HONGLIAN

General Doctor®

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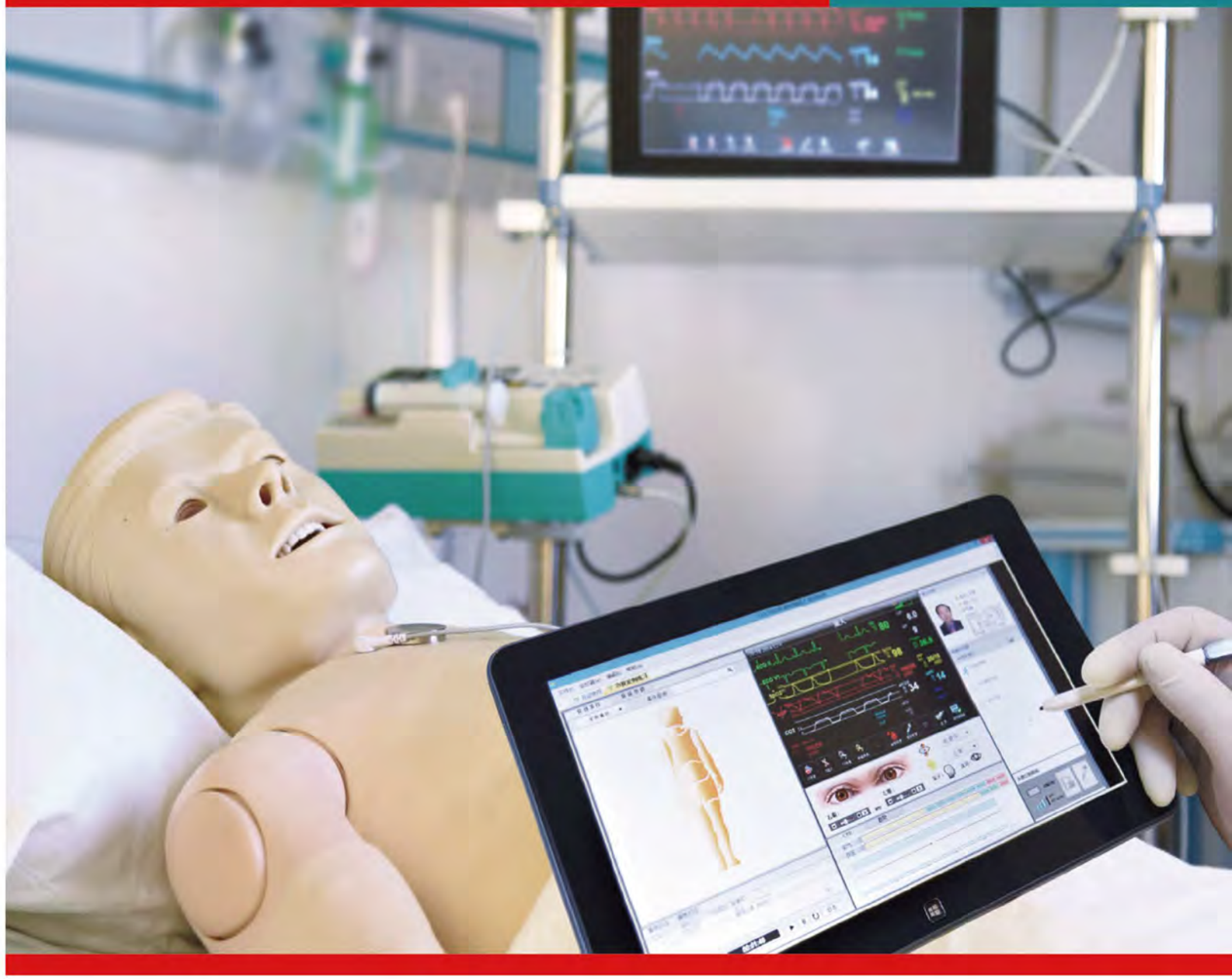
General Doctor®

MEDICAL HUMAN MODEL

PRODUCT CATALOG

2021-2023

SHANGHAI HONGLIAN MEDICAL TECH GROUP



HONGLIAN Shanghai Honglian Medical Tech Group

MEDICAL MODEL AND LABORATORY EQUIPMENT

Dear All Customers:

It is my honour that you know "Honglian" and read my following introduction.

Shanghai Honglian Medical Instrument Dev. Co., Ltd was established in 1993. After more than 20 years business endeavors with ten famous national universities and academic institutes, Honglian has developed to a high-tech enterprise with her own research and development, production, sales and service system. The marketing center located in Shanghai North Bund covers 1200 square meters and the production base was just moved to the Jinshan high-tech developing area which covers more than four thousand square meters. The company annual sales have more than 105 million, and "General Doctor" has become well-known in the industry and also renowned in international market.

In order to maintain the product competiveness in the international arena, Honglian has invested substantial cost in the research and development of medical education software, digital network and many other independent core technologies; which achieved a major breakthrough in the mold and material production process. For the first time, the product standard and quality achieves world strong opponents. Meanwhile, the company core technology development has made great progress, more than a dozen of product parameters have been examined and verified by authorities and become the industry standard-setting; of which a number of designs and functions have reached international first-class level that truly achieved the primary goal base on domestic and towards world.

In 2002, Honglian were authenticated by British MoDi Company with ISO9001-2000; in 2006, she won the CE certificate for quality; in 2008, she passed the Environmental Management System GB/T24001-2004-ISO14001:2004 standard. Also in 2008 and 2010, Honglian jointed hands with Red Cross and provided emergency training products for Beijing Olympic Games and Shanghai Expo.

The General Doctor product covers 10 series and more than 1000 species, e.g.: medical emergency, diagnosis, clinic, nursing, OB/GYN, pediatric department, anatomy, multimedia, traditional Chinese medicine, stomatology and specimen section. In particular, based on the high quality, Honglian have won the bids of Chinese Red Cross and UNFPA many times in recent three years; therefore, Honglian is the stable supplier for them.

More, Honglian was laurelled as the exclusive supplier and the training centre of medical skills and examination by Chinese Ministry of Health and Ministry of Education last year.

Since the establishment of International Trade Department in 2005, she has exported products to more than 93 countries, such as USA, Germany, Holland, Belgium, Japan, Korea, Ukraine, etc. The annual export amount has reached more than USD3, 000,000 with a fast growth rate of 64% every year. What is more, the brand "General Doctor" has been recognized by more and more foreign customers in international market and wins honor for China.

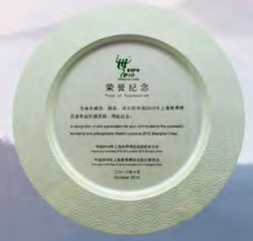
In future, Honglian will run true to form and supply the higher quality product and the pure-hearted service with you hand in hand to develop tomorrow together. Your support and good ideas to Honglian will be highly appreciated and expected.

Yours Faithfully,

President

COMPANY HONOR

We always take reputation as life of enterprise and consicder innovation as driving force of company development. From the first medal by Red Cross Society of China to the first ISO9001-2000 Certificate by Moody International, to Plate of Appreciation by 2010 Shanghai World Expo, we have been awarded numerous great honors since the year of establishment.



VISTAL TRAINING ROOM FOR MODERN MEDICAL EDUCATION

Nurse Station

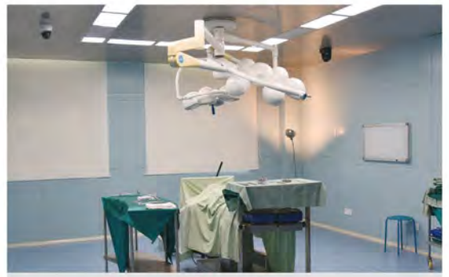
Training Room Corridor

ICU

Simulative Ward

Midwifery Room

Neonatal Bathing Room



Operation Room

Anatomy Exhibitio Room

Surgical Nursing Training Room

Multimedia Care Demonstration Room

Medical Examination Room

Pediatric Nursing Training Room

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General Doctor®

Super Simulated Human Series

General Doctor 10000 (Emergency)

It has the body shape and appearance of an Asian adult. The system is wirelessly controlled by computer. There is built-in lithium battery for power supply and respiratory system. Chest rise and falls could be seen during respiration and nose-wing could sense the airflow. It could be collocated with medical equipment like actual respirator, ECG monitor, 12-lead electrocardiography, defibrillation pacing monitor, etc. It achieves man-machine interaction, which supports inquiry training. It is available to set up conversation, operation process, video recording and replay.

Wireless Network Tablet Control

Simulated Human Full Physiological Drive

Actual ECG Monitoring

Features Vital signs simulation

- Neck rigidity examinationcorrect head position test,ventilation available/intubation not available，ventlation notavailable/intubation not available, lingual edema,pharyngeal obstruction, laryngismus, neck activities weaken,locked jaws.
- Variable lung compliance, airway resistance, right primary bronchi ventilation.

Blinks of Both Eyes Real Light Refiex

Weep and Sweat

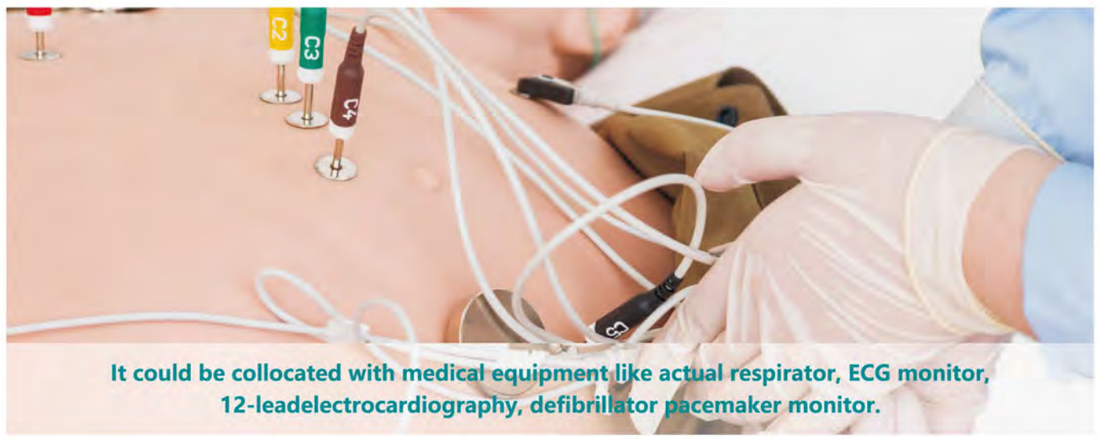
Pulses of Neck Artery, Femoral Artery,Brachialartery,Radial Artery,Dorsalis Pedis Artery,Popliteal Artery,Etc

Simulate Different Degrees of Cyanosis

Auscultation of Cardiac Sound, RespiratorySound, Bowel Sound, etc

Oppenheim Syndrome Examination,Babinskisyndrome Examination,Knee Reflex Syndrome Examination

Actual medial equipment



It could be collocated with medical equipment like actual respirator, ECG monitor, 12-leadelectrocardiography, defibrillator pacemaker monitor.

Product Application Range

Infusion Pump

Injection Pump

Defibrillators

Nursing | Emergency | Pharmacology | Internal

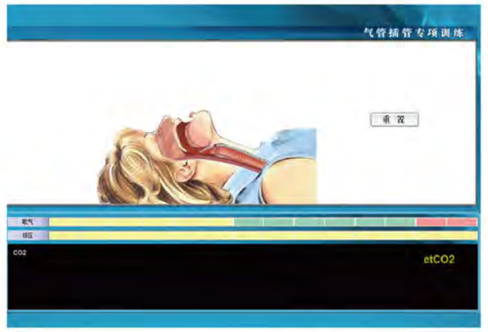
It is able to improve and cultivate practical clinical skills and clinical comprehensive diagnostic thinking of medical students. It stimulates the enthusiasm and potential of medical students as well, making them command practical regulars of clinical diagnosis based on clinical knowledge.

1.Emergency Medicine, Critical Care Medicine Application

Comprehensive emergency teamwork training

Actual defibrillation, pacing, ECG monitoring data synchronizing

- Standard oral and nasal tracheal intubation, graphic display on computer interface and voice prompts of error information. Simulated human will show corresponding vital signs changes, which supports auscultation to detect the trachea cannula position, which is able to simulate unilateral and bilateral airway obstruction, lingual edema, laryngeal edema, etc.



Trachea cannula,software real-time monitors intubation position

- Multiple oxygen supply methods, oxygen saturation will change after supplying the oxygen based on case of illness.

2.Internal Medicine Application

- Simulated human could perform respiratory medicine, department of cardiology, department of gastroenterology, nephrology department, neurology and frequently-occurring and rare diseases of metabolic system, simulated human will show relevant pathophysiological reactions with treatment.

- Treatment of pneumothorax puncture and hydropneumothorax drainage, paracentesis pericardii, tension pneumothorax.

3.Pharmacology Application

- It is available to conduct blood pressure measurement on left arm while venipuncture training, infusion and blood collection could be carried out on right arm. Needed items could be examined on the basis of condition. System will automatically show the result of laboratory examination of current case of illness.

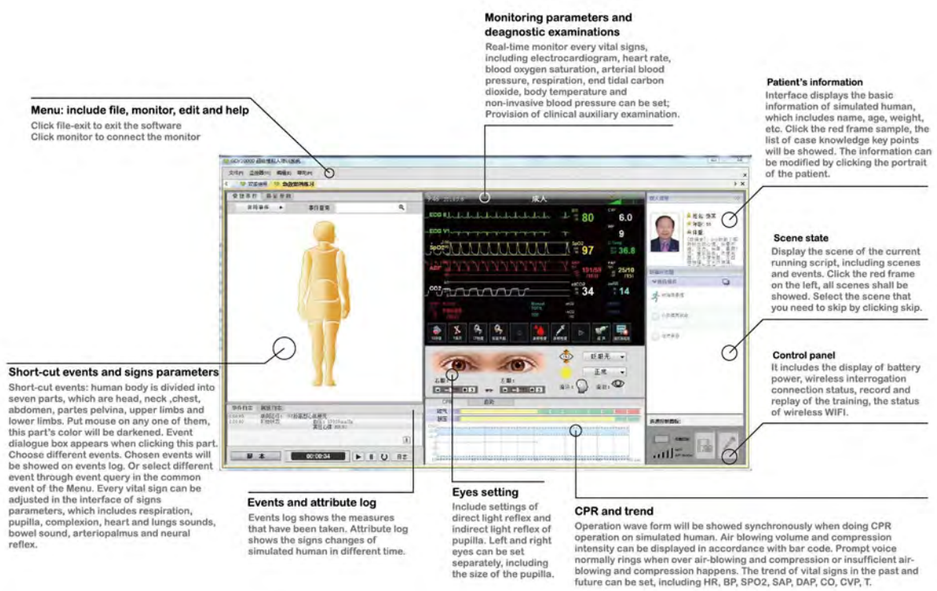
- System can identify nearly one hundred common drugs, which could be added limitlessly via non-contact drug identification system. After applying drugs, it is able to identify various drugs and its concentration and doses, simulated human will show corresponding vital signs changes. If operator applies drug improperly, simulated human will automatically respond accordingly, and observe a series of clinical data record like effects of drug.

4.Nursing Application

- It is applicable for multiple nursing skills, like gastric lavage, aspiration of sputum, catheterization, nasal feeding, coloclyster, etc. The simulated human shows corresponding physiological reaction to each operation. Its abdominal skin could be opened, which is easily to clean and change. It is available to conduct multiple trauma assessments and nursing like disinfection, cleaning, dressing change, hemostasia, bandage, etc.

5.System Training Software

- Computer central control unit or PAD control. It is available to simulate cases of each system, including circulation system, breathing system endocrine system, digestive systemand nervous system .



General Doctor®

COMPREHEHNSIVE OBSTERTRICS TRAINING SYSTEM

GD/F5700(3G)

Product Description:

The most advanced obstetrics teaching system worldwide. All the communication modules are integrated into it. It is 3G wirelessly controlled, providing real vital signs simulation, cultivating clinical diagnostic thinking and teamwork spirit of medical students with delivery and emergency cases.

It provides typical dystocia cases, including normal delivery, cord around neck delivery, breech delivery, pre-eclampsia, caesarean, omphaloproptosis, premature delivery, potential antepartum and postpartum hemorrhage, etc., guiding obstetrics staff to identify different stages of labor, abnormal process of clinical diagnosis through partogram and give proper treatment; it is available to give treatment via clinical fetal monitoring to diagnose fetal distress in time; training for neonatal nursing and first-aid.

Computer 3G wireless control

Physiological drive, simulate various delivery

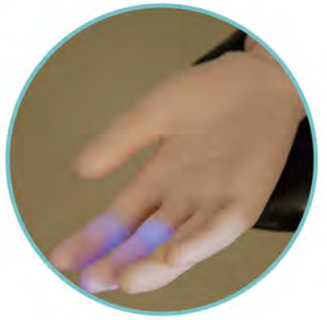
Vital signs real-time monitoring

Vital Signs Simulation:

Pupil supports indirect and direct light reflex

Actual weeping, sweating, autonomous respiration, wireless two-way radio

Various types of cyanosis, pale complexion



Various types of cyanosis, pale complexion

It supports multiple pulse, autonomous respiration, obvious chest rise and falls, multiple types of cardiopulmonary sound auscultation

Drug identification system, vital signs of puerpera will change in according to different medication

Actual(Simulated) Medical Equipment:

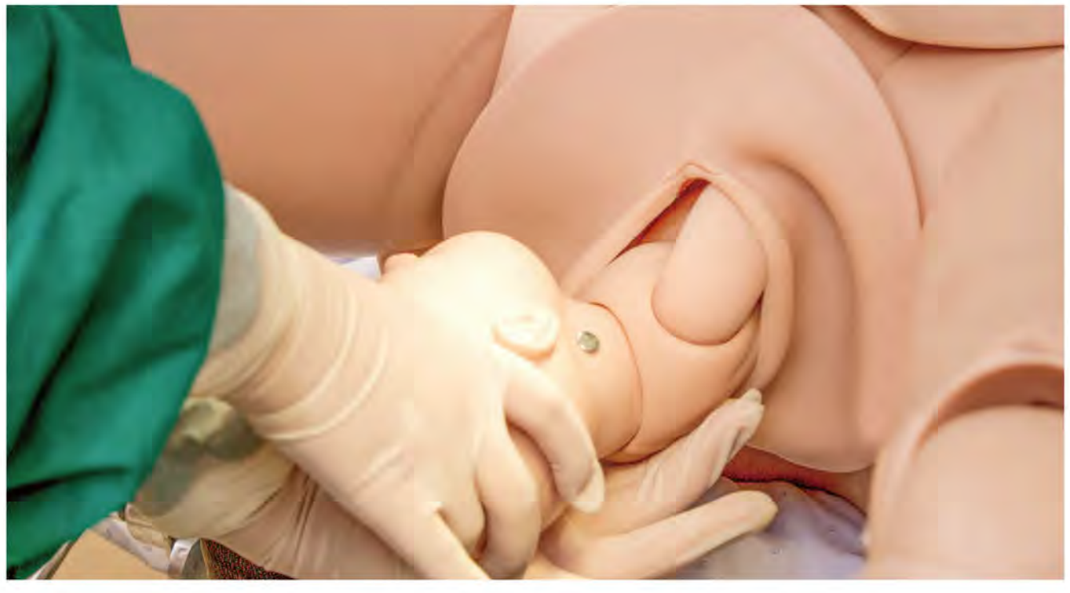
ECG monitor

Simulated defibrillator

Blood oxygen monitoring

1.Prenatal： prenatal examination: fetal heart sound auscultation, four maneuver of Leopold, ultrasonic examination, vital signs monitoring, uterine contraction evaluation.

2.Labor：



Delivery: it supports the demonstration of labor mechanism of occiput left anterior position, along with automatic uterine contraction, including engagement, descending, flexion, internal rotation, extension, reset, external rotation, fetal shoulder and fetal disengagement. Delivery speed could be adjusted. Fetal head descends when contraction is happening, and it retract slightly during the interval. It could simulate common delivery methods, including normal delivery, breech delivery, placenta praevia, omphaloproptosis, fetal extractor assisted delivery, external version, simulated cesarean, shoulder dystocia, etc.

- Simulate various situation like colporrhagia, postpartum hemorrhage, abnormal amniotic fluid.
- Uterine contraction and fetal heart rate: uterine contraction and intermission could be adjusted through self-arrangement, uterine contraction
- intensity changes on the basis of labor stages; fetal heart rate curve could be set up in accordingly.
- It could simulate airway obstruction and ARDS performance.
- Vital signs monitoring: blood oxygen, blood pressure and ECG monitoring, supporting Intrauterine monitoring.
- Intrauterine monitoring: real-time monitoring uterine contraction curve and FHR curve changes.
  Software control the position of fetal head descending, coordinating with modules of antenatal cervix and birth canal connection change to measure descending of fetal head and palace opening status.

Normal delivery

Shoulder dystocia

Cord around neck

Breech delivery

3.Postpartum:

postpartum uterine massage; episiotomy and suture; suture and nursing of median incision, left lateral incision, right lateral incision; simulated practice of various clinical nursing operation of gravida; catheterization, venous transfusion, blood collection, blood pressure measurement, etc.

4.Puerpera first-aid：

- Cardiopulmonary resuscitation, simulated defibrillation, pace making and trachea cannula training when vital signs disappear before, during and after delivery.
- Simulate ECG monitoring: provide vital signs parameters like 12-lead ECG, heart rate, blood oxygen saturation, respiration, carbon dioxide, blood pressure, etc. (simulated human autonomously produces physiological electrical signal, which could be connected with actual clinical equipment).
- Intravenous injection of opisthenar and arm; intramuscular injection of deltoids and lateral femur.
- It could simulate ruddy, central, peripheral and mixed cyanosis as well as pale state.

5.Simulated human of neonatal first-aid:

- It supports neonatal scalp venipuncture and head venipuncture, back-streaming of blood will occur
- Nursing function: eye cleaning fluid, neonatal cleaning and bandage are available
- It is available to conduct training like neonatal CPR training, organ intubation, aspiration of sputum, gastric lavage, umbilical cord nursing, umbilical vein catheterization
- It supports ventilation methods, including mouth-to-mouth, nose-to-nose, simple respirator to mouth

Super Intelligent Newborn Baby

GD/ACLS3400

Product Introduction:

The world leading & man-machine interactive Neonatal ACLS Training System, is a wireless intelligent comprehensive simulator designed for the neonatal, with precise anatomical structure and obvious anatomic landmarks. The simulation system can be operated and freely controlled via wireless tablets, to simulate an entirely realistic emergency scene. Meanwhile, the system can truly simulate all related physical signs of emergency cases, such as artery pulse, heart rhythm and cardiopulmonary auscultatory sounds.

The simulator can complete the teaching function without extra power supply as it is powered by built-in lithium battery. It can also realize autonomous respiration with chest heaving without external air source or air compressor as it is embedded with a respiration system. The simulator can set various respiratory modes, connect with all kinds of medical equipment such as real clinical defibrillator and ECG monitor, and is suitable for treatment operations in many transition environments.

The system has various ECGs built-in, which can match with multi-parameter ECG monitors to realize simulated electrocardiograph monitoring

Executive standard: The Year 2015 AHA Standard Guide of CPR & ECG

I. Simulation of Physical Signs

1. Simulate blink; can control opening, closing and movement of oral area.
2. Simulate various kinds of artery pulse and clinical common respiratory modes.
3. Can simulate various cyanosis: mixed cyanosis, central cyanosis, peripheral cyanosis.
4. Can simulate muscular tension in various degrees, convulsion, reflection, spontaneous motion, and limp body.
5. Give Apgar marks.
6. Can simulate left/right bronchial obstruction and main airway obstruction, and the lung compliance can be adjusted.
7. Can simulate convulsion and different conditions of muscular tensions.

II. Training of Clinical Skills:

1. Airway management technologies: can perform trachea cannula via mouth and nose, to take in oxygen and absorb sputum.
2. CPR training assessment: supports various ventilation methods like mouth-to-mouth, mouth-to-nose, simple respirator to mouth and trachea cannula; can perform PETCO2.
3. Real ECG monitoring: built-in ECG induction system, matches with self-contained ECG monitor, to realize electrocardiograph monitoring.
4. Can check the intubation position of umbilical veins, and display correct operation or misjudgment.
5. Training of pneumothorax puncture & extraction and infusion of pleural effusion.
6. Auscultatory sound: including heart sound, breath sound and bowel sound; among them, normal heart sound and breath sound can be adjusted via the heart rate and respiratory rate on the monitor.

FEATURES

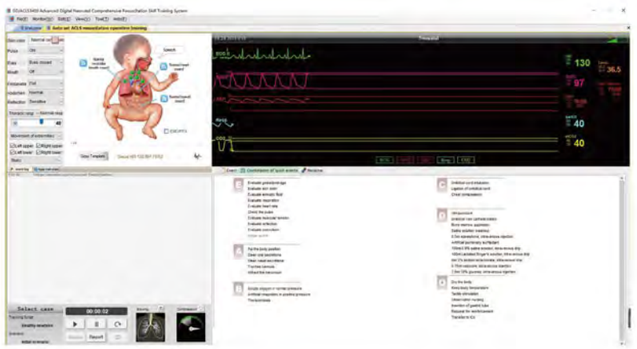
III. Basic Nursing Training:

1. Basic nursing: Skin nursing (like bath, clothing changing), cleaning and bandage training, diaper changing, cold & heat therapy and so on.
2. Nasogastric tube: can insert stomach tube, as the software can detect the position of the tube, but there is no liquid on stomach so it cannot detect via auscultation and extract gastric fluid.
3. Vein puncture injection: vein puncture on left and right arms, scalp vein puncture and so on, with highly emulational veins and hand feeling; there is obvious sense of falling with correct puncture.
4. Can simulate the filling degrees of different blood capillary.
5. Marrow puncture: can perform tibial puncture with outflow of simulated marrow, can inject medicine or infusion.
6. Umbilical cord nursing: can perform ligation of the umbilical cord and umbilical venous cannula infusion.
7. Trainings of blood pressure measurement.
8. Can monitor urethral catherization.
9. It is equipped with wireless stethoscope to perform auscultation trainings.
10. The simulator is equipped with emulational fontanelle that can simulate raised and sunken scene

IV. System Software

Software: It includes 5 parts: System course-ware, Skill training, System script operation, System settings and Script edit, as the software focuses on the combination of class teaching and clinical practice, to train the thinking ability clinical diagnosis and operational process of emergency.

This script editor supports setting up required operation items by users themselves, with combining use of single operation and multiple operations. Events are operations like pulse-check, CPR, and drug administration. Also, users can custom the time boundary of operation, as well as re-edit events to perform according to state of illness.



Emergency Training Manikin

AHA (American Heart Association)
2015 Updated Guideline for CPR and ECC

Highlight of The 2015 AHA Guidelines Update for CPR and ECC

Component	Adults and Adolescents	Children (Age 1 Year to Puberty)	Infant (Age Less Than 1 Year, Excluding Newborns)
Scene safety	Make sure the environment is safe for rescuers and victim		
Recognition of cardiac arrest	Check for responsiveness No breathing or only gasping(ie, no normal breathing) No definite pulse felt within 10 seconds (Breathing and pulse check can be performed simultaneously in less than 10 seconds)		
Activation of emergency response system	If you are alone with no mobile phone, leave the victim to active the emergency response system and get the AED before beginning CPR Otherwise, send someone and begin CPR immediately; use the AED as soon as it is available	***Witnessed collapse*** Follow steps for adults and adolescents on the left ***Unwitnessed collapse*** Give 2 minutes of CPR Leave the victim to activate the emergency response system and get the AED Return to the child or infant and resume CPR; use the AED as soon as it is available	
Compression-ventilation ratio without advanced airway	***1 or 2 rescuers*** 30:2	***1 rescuer*** 30:2 ***2 or more rescuers*** 15:2	
Compression-ventilation ratio with advanced airway	Continues compressions at a rate of 100-120/min Give 1 breath every 6 seconds(10 breaths/min)		
Compression rate	100-120/min		
Compression depth	At least 2 inches(5 cm)*	At least one third AP diameter of chest About 2 inches(5 cm)	At least one third AP diameter of chest About 1½ inches(4 cm)
Hand placement	2 hands on the lower half of the breastbone(sternum)	2 hands or 1 hand(optional for very small child)on the lower half of the breastbone(sternum)	***1 rescuer*** 2 fingers in the center of the chest, just below the nipple line ***2 or more rescuers*** 2 thumb-encircling hands in the center of the chest, just below the nipple line
Chest recoil	Allow full recoil of chest after each compression; do not lean on the chest after each compression		
Minimizing interruptions	Limit interruptions in chest compressions to less than 10 seconds		

ACLS Training System Optional Instruments

OPTIONAL ACCESSORIES

GD/AED99F

Automatic External Defibrillation Simulator

GD/J880

Simulative Cardiac Defibrillating Pacer

GD/J115

Simulative Multi-Parameter ECG Montior

Real Cardiac Defibrillating Pacemarker

GD/J880	Simulative Cardiac defillating pacer	1、LCD display, energy selection range: 1J-360J; 2、Can save user's cost for buying real defibrillating pacer, while achieving the same operation effect as the real one; 3、Three-in-one function: defibrillation, pacing, ECG monitoring;	GD/ACLS8000C、GD/ACLS8000D、GD/F56、GD/ACLS10750+、GD/FT532、GD/FT534、GD/FT537、GD/H1200、
	Real AED	Realize real AED	GD/10000、GD/ACLS8000C、GD/ACLS8000D GD/ACLS1600、GD/ACLS1500、GD/ACLS1400、GD/ACLS155、GD/ACLS145、
GD/AED99F	Automatic External Defibrillation Simulator	1、Provide electrode button; 2、English voice prompts; 3、Automatic cardiac rhythm detection and analyze if defibrillation is needed;	GD/ACLS8000C、GD/ACLS10800、GD/ACLS8000D、GD/H1200、
	Real ECG Monitor	Realize real ECG monitoring	GD/10000、GD/ACLS8000C、GD/ACL S8000D、GD/ACLS1600、GD/ACLS1500、GD/ACLS1400、
GD/J115	Simulative Multiparameter ECG Monitor	LCD screen provides 12-lead ECG, saturation of blood oxygen, breath, CO2, BP (arterial blood pressure, central venous pressure, pulmonary arterial pressure, non-invasive blood pressure), cardiac output, etc;	GD/10000、GD/ACLS8000C、GD/ACLS8000D、GD/ACLS1600、GD/ACLS1500、GD/ACLS1400、GD/H1200、GD/F56、
GD/J110-4	Advanced Trauma Limb Modules	1、Simulate limbs trauma and burn skin replacement; 2、Simulate wound washing, disinfection, stop bleeding, bandaging of the wound; fixation and moving of patient; 3、Simulate open fracture and fragmentation treatment of various body sites; 4、Wound type: open fracture of right hand, laceration wound of soft tissue, bone tissue exposure, metal pricking wound in right thigh, open fracture of right foot, amputation trauma of right little finger, I, II, III degree burn of left forearm;	BLS10700

Comprehensive Emergency Training System

ITEM NO : **GD/ACLS8000D**

GD/ACLS8000D is a more complete comprehensive emergency skills training system basing on GD/ACLS8000C. Besides of all the functions of GD/ACLS8000C, the product focuses on the expansion of hospital emergency training. It can act multiple arterial pulse examination, spontaneous respiration, common clinical puncture training and auxiliary examination and vividly simulate all the related pre-hospital and hospital body signs, treatment measures and auxiliary examination of emergency patients.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

★ This sign indicates that the functions can be run only when the manikin is used with the optional accessories

Head and neck:

1. Vital signs simulation: pupil observation, LCD pupil display with CSTN pseudo-color, 65K color, RGB; diameter range: 1-6mm; simulate different pupil states: normal, mydriasis and miosis, etc; simulate carotid artery, femoral artery and radial artery pulse, vivid reproduction of patient moaning, coughing and vomiting sound;
2. Respiration mode: normal breath, sighing breath, Cheyne-stokes breath, Kussmaul-kien respiration and Biot's respiration;
3. Realistic spontaneous breathing: can observe chest movement while breathing; breath frequency and depth can be adjusted;
4. Airway management: standard oral intubation, tracheotomy; open airway by head tilt and jaw thrust; audible warning feedback if there is pressure on the teeth; detect intubation position via auscultation; simulate locked jaw, lingual edema, pharyngeal edema, laryngospasm, unilateral and bilateral pulmonary obstruction, airway obstruction, etc;

Model	Connection	Pupil	Pupil to light reflection
GD/ACLS8000D	Wired connection	LCD pupil	No
GD/ACLS8000D.100	wireless connection	LCD pupil	Yes

Chest and abdomen:

1. CPR operation training: provide multiple ventilation ways: mouth to mouth, mouth to nose,BVM to mouth; electronic monitoring of airway open, inflation times, frequency, volume and compression times, frequency, position and depth; automatic judgment of the ratio of artificial respiration and chest compression; real-time data display, English voice prompts during the entire process; after successful rescue, pupil state change to normal and restore carotid pulse and spontaneous breathing;

★ Real defibrillation and pacing: can be used with different kinds of defibrillating pacer to achieve real defibrillation and pacing;

★ Simulative defibrillation and pacing: multimedia animation displays the operation process of medical defibrillator; used with GD/J880 simulative defibrillating pacer to achieve defibrillation and pacing; defibrillation energy is selectable, the max energy is 360J;

★ Real AED: Can be used with different types of AED to achieve real AED operation;

★ Simulative AED: multimedia animation displays AED operation process; be used with GD/AED99F automatic external defibrillation machine to achieve AED training; English voice prompts during the entire process; providing electrode button; automatic heart rhythm detection and analyze if the defibrillation is needed;

★ Real ECG monitoring: supporting different manufacturers and types of ECG monitor, which can achieve real ECG monitoring;

★ Simulative ECG monitoring: Monitor blood oxygen with finger-piece blood detecting head; simulative ECG monitoring can be achieved while using with GD/J115 simulative multi-parameter ECG monitor; available of thousands of ECG; the LCD screen of simulative multi-parameter monitor (only for training use) displays 12-lead ECG, saturation of blood oxygen, breath, CO2, BP(arterial BP, central venous pressure, pulmonary arterial pressure, non-invasive BP), cardiac output, etc;

2. Auscultation: Provides dozens of sounds, including normal heart sound, abnormal heart sound, normal breath sound, abnormal breath sound, normal bowel sound, abnormal bowel sound;
3. Puncture: thoracic puncture;

Limbs:

BP measurement yenipuncture and vastus lateralis intramuscular injection; highly realistic arm vein; a discernable "pop" can be felt when entering the veins and blood flash back indicating proper insertion; skin and blood vessel is replaceable;

Software:

1. Simulative injection pump/infusion pump usage: Multimedia animation shows the operation procedures of injection pump and infusion pump; drugs can be selected while operation;
2. Training and examination supporting ECG, emergency scenes, cases, CPR training and examination.
3. Emergency scenes script training /assessment: Dozens of emergency scenes are available, covering VF, Pulseless VT, Pulseless electrocardio activity, ventricular asystole, acute coronary syndrome, Bradycardia, unstable tachycardia, stable tachycardia, acute stroke and other cardiac emergency cases; these will help physicians practice emergency operation procedures of different cardiac diseases.
4. Provide multiple drug treatment and typical auxiliary examination, chest x-ray, ultrasound ECG and 12-lead ECG, etc;
5. Script/cases editing: Provide multiple common cases; the animation vividly reproduces the real emergency scenes; emergency cases can be edited by user self; pathogenetic condition changes and students operation process will be recorded in the software;
6. Operate PETCO2:confirm tracheal intubation position and monitor the validity of resuscitation operation

Components:

Hardware

1. ACLS Adult Manikin
2. GD/HS7 Simulative BP Measuring Unit
3. BVM, auscultator, laryngoscope, tracheal cannula, transfusion set, medical air compressor

Software

1. ACLS Training Software V2.0
2. ACLS Script editing software V2.0

Optional accessories:

1. Real Cardiac Defibrillating Pacer
2. GD/J880 Simulative Cardiac Defibrillating Pacer
3. Real AED
4. GD/AED99F Automatic External Defibrillation Simulator
5. Real ECG Monitor
6. GD/J115 Simulative Multi-parameter ECG Monitor
7. Computer / Laptop

Comprehensive Emergency Training System

ITEM NO : **GD/ACLS8000C**

GD/ACLS8000C is the world leading man-machine interaction ACLS training simulation system, can simulate real emergency scenes and all the related signs of emergency patient, such as: pupil states, artery pulse, heart rhythm, heart and lung auscultation sound, etc.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

★ This sign indicates that the functions can be run only when the manikin is used with the optional accessories;

Head and neck:

1. Vital signs simulation: pupil observation, LCD pupil display with CSTN pseudo-color, 65K color, RGB; diameter range: 1-6mm; simulate different pupil states: normal, mydriasis and miosis, etc; spontaneous carotid artery pulse, vivid reproduction of patient moaning, coughing and vomiting sound;
2. Respiration mode: normal breath, sighing breath, Cheyne-stokes breath, Kussmaul-kien respiration and Biot's respiration;
3. Airway management: standard oral intubation, tracheotomy; open airway by head tilt and jaw thrust; audible warning feedback if there is pressure on the teeth; detect intubation position via auscultation;

Chest and abdomen:

1. CPR operation training: provide multiple ventilation ways: mouth to mouth, mouth to nose, BVM to mouth; electronic monitoring of airway open, inflation times, frequency, volume and compression times, frequency, position and depth; automatic judgment of artificial respiration and chest compression ratio; real-time data display, English voice prompts during the entire process; after successful rescue, pupil state change to normal and restore spontaneous carotid pulse;

★ Real defibrillation and pacing ★ Simulative defibrillation and pacing ★ Real AED ★ Simulative AED ★ Real ECG monitoring ★ Simulative ECG monitoring

2. Auscultation: Provides dozens of sounds, including normal heart sound, abnormal heart sound, normal breath sound, abnormal breath sound, normal bowel sound, abnormal bowel sound;

Model	Connection	Pupil	Pupil to light reflection
GD/ACLS8000C	Wired connection	LCD pupil	No
GD/ACLS8000C.100	wireless connection	LCD pupil	Yes

Limbs:

■ BP measurement, venipuncture and vastus lateralis intramuscular injection; highly realistic arm vein; a discernable "pop" can be felt when entering the veins and blood flash back indicating proper insertion; skin and blood vessel is replaceable;

Software:

1. Simulative injection pump/infusion pump usage: Multimedia animation shows the operation procedures of injection pump and infusion pump; drugs can be selected while operation;
2. Training and examination supporting ECG, emergency scenes, cases, CPR training and examination.
3. Emergency scenes script training /assessment: Dozens of emergency scenes are available, covering VF, Pulseless VT, Pulseless electrocardio activity, ventricular asystole, acute coronary syndrome, Bradycardia, unstable tachycardia, stable tachycardia, acute stroke and other cardiac emergency cases; these will help physicians practice emergency operation procedures of different cardiac diseases.
4. Provide multiple drug treatment and typical auxiliary examination, chest x-ray, ultrasound ECG and 12-lead ECG, etc; Drugs can be added by user-self.
5. Script/cases editing: Provide multiple common cases; the animation vividly reproduces the real emergency scenes; emergency cases can be edited by user self; pathogenetic condition changes and students operation process will be recorded in the software;
6. Operate PETCO2: confirm tracheal intubation position and monitor the validity of resuscitation operation

Components:

Hardware

1. ACLS Full-body manikin
2. GD/HS7 BP Measuring Unit
3. ACLS functional connector.
4. Laryngoscope
5. Tracheal cannula
6. Transfusion set
7. BVM
8. Auscultator

Software

1. ACLS Training Software V2.0
2. ACLS Script editing software V2.0

Optional accessories:

1. Real Cardiac Defibrillating Pacer
2. GD/J880 Simulative Cardiac Defibrillating Pacer
3. Real AED
4. GD/AED99F Automatic External Defibrillation Simulator
5. Real ECG Monitor
6. GD/J115 Simulative Multi-parameter ECG Monitor
7. Computer / Laptop

Comprehensive Child Emergency Skills Training Manikin

ITEM NO : **GD/ACLS1600**

GD/ACLS1600 is the world leading man-machine interaction child ACLS training simulation system, can simulate real emergency scenes and all the related signs of emergency patient, such as: pupil states, artery pulse, heart rhythm, heart and lung auscultation sound, etc. All the clinical emergency measures such as defibrillation, pacing, CPR, drug therapy, etc, and real clinical emergency instrument can be acted on the system. The manikin would show different vital signs change according to different rescue measures. Open case editing function allows lecturer edit required emergency cases according to clinical practice and teaching requirement for students' training use. Interactive internet features can implement whole students teaching; lecturer can acquire students' operation data easily and timely give correction and guidance.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

★ This sign indicates that the functions can be run only when the manikin is used with the optional accessories

Head and neck:

1. Pupil observation, one side is normal, the other side is dilated; the Flash animation displays light reaction and diameter changes of pupils;
2. Simulate airway foreign obstruction: foreign body obstruction in pharynx, main airway obstruction;
3. There's carotid (pulse) with the five-year-old child.
4. Respiration mode: Normal breath, oligopnea, tachypnea, superficial respiration, excessive respiration, Kussmaul' s respiration, Cheyne-stokes respiration, meningitic breathing, sighing breath, irregular gasping, breathing holding;
5. Voice: including crying, laughing, moaning, coughing, gasping and all kinds of complaints, etc;
6. Airway management: realistic mouth, nose, tongue, gum, throat, esophagus, epiglottis, trachea (the diameter of the simulative airway: 9mm); can practice tracheal intubation via mouth, sputum suction; simulate airway foreign body obstruction conditions(pharyngeal and main airway obstruction); can practice tracheal incision; only right lung ventilation due to excessive intubation position;

Chest and abdomen:

1. Manikin organs include: bilateral lungs, stomach, bladder, rectum, bilateral lungs ventilation, liquid can be infused and drained out from bladder and rectum;
2. Simulate spontaneous breathing, chest rise; can perform bilateral, left side , right side chest rise;
3. Bilateral puncture decompression and puncture effusion can be performed;
4. Femoral artery pulse
5. Auscultatory sound: including heart sound, respiratory sound, bowel sound; and the normal heart sound and respiratory sound can be adjusted according to the heart rate and respiratory frequency;

6. Gastric intubation: can perform gastric lavage, gastrointestinal decompression operation;
7. Vital signs monitor: ECG, heart rate, respiratory frequency, BP, body temperature, saturation of blood oxygen, end-tidal partial pressure of CO2, etc; the flash can simulate spasm condition;
8. Simulate skin color: normal, central cyanosis, peripheral cyanosis, mixed cyanosis, pale;
9. Urethral catheterization: can change male/female perineum to practice male/female catheterization;
10. CPR: Support multiple ventilation ways: mouth to mouth, mouth to nose, BVM to mouth; electronic monitoring of airway open, inflation times, frequency, volume and compression times, frequency, position and depth; automatic judgment of artificial respiration and chest compression ratio; English voice prompts during the entire process;
11. AED, defibrillation and pacing: multimedia animation displays AED and defibrillation process;

★ Real defibrillation and pacing: Achieve real defibrillation and pacing by using with real defibrillating pacer(prepared by user-self);

Limbs:

1. Manual BP measuring arm can simulate BP measurement with Korotkff sound;
2. Venous puncture/transfusion: arm vein, femoral vein, dorsal vein of foot
3. Skin care
4. Intramuscular injection: bilateral deltoid , bilateral vastus lateralis;
5. Bone marrow puncture: tibia with obvious body surface symbol, effusion of simulative bone marrow indicates proper puncture operation;

Software:

1. Provide various kinds of drug and multiple administration ways: i.v. drops, i.v., hypo., intramuscular injection, anal plug, injection pump transfusion pump, etc; general dose and usage of each drug is preset; some drugs exist pharmacodynamic physiological reaction;
2. Provide all kinds of auxiliary examination: biochemical report, CT, ultrasound, ECG, etc;
3. Training and examination, ECG identification training, CPR training and examination are available in the system;
4. Simulative cases training and assessment: Provide various clinical cases script
5. Perform PETCO2: confirm tracheal intubation position and monitor the effectiveness of resuscitation operation

GD/ACLS1600A Standard components:

1. Intelligent ACLS Five-year-old Child Manikin
2. GD/HS7 BP Training Equipment
3. Heart and Lung Auscultation Simulator Set
4. GD/XD1000C ECG Generator
5. GD/CC999C Defibrillator Converter
6. BVM, Stethoscope, Laryngoscope, Tracheotomy tube, Infusion set.
7. Emergency System Controller
8. Medical Air Compressor

GD/ACLS1600B Standard components:

1. Intelligent ACLS One-year-old Child Manikin
2. GD/HS7 BP Training Equipment
3. Heart and Lung Auscultation Simulator Set
4. GD/XD1000C ECG Generator
5. GD/CC999C Defibrillator Converter
6. BVM, Stethoscope, Laryngoscope, Tracheotomy tube, Infusion set.
7. Emergency System Controller
8. Medical Air Compressor

Comprehensive Infant Emergency Skills Training Manikin

ITEM NO : **GD/ACLS1500**

GD/ACLS1500 is the world leading man-machine interaction infant ACLS training simulation system, can simulate real emergency scenes and all the related signs of emergency patient, such as: pupil states, artery pulse, heart rhythm, heart and lung auscultation sound, etc. All the clinical emergency measures such as defibrillation, pacing, CPR, drug therapy, etc, and real clinical emergency instrument can be acted on the system. The manikin would show different vital signs change according to different rescue measures. Open case editing function allows lecturer edit required emergency cases according to clinical practice and teaching requirement for students' training use. Interactive internet features can implement whole students teaching; lecturer can acquire students' operation data easily and timely give correction and guidance.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

★ This sign indicates that the functions can be run only when the manikin is used with the optional accessories

Head and neck:

1. Normal, dilated pupil;
2. Airway management: realistic mouth, nose, tongue, gum, throat, esophagus, epiglottis, trachea, tracheal ring ; can practice tracheal intubation via mouth or nose, sputum suction; oxygen inhaling; allow monitoring airway intubation, show correct and wrong intubation; there is prompt for wrong tracheal intubation; only right chest rise can be observed due to excessive intubation position;
3. Gastric intubation: detect tube position via auscultation; inserting gastric tube for gastrointestinal decompression, nasal feeding, gastric lavage, etc;
4. Respiration mode: normal breath, meningitic breathing, irregular gasping, breathing holding, respiration ceases;

Chest and abdomen:

1. Pneumothorax puncture extraction, pleural effusion extraction training;
2. Auscultation sound: include heart sound, breath sound, bowel sound, of which the normal heart sound and breath sound can be adjusted according to the monitor HR and respiratory rate;
3. CPR training: Support multiple ventilation ways: mouth to mouth, mouth to nose, BVM to mouth; can monitor inflation times and frequency, compression time, frequency and depth; judge the ratio of artificial breathing and chest compression;

★ Real defibrillation and pacing: Achieve real defibrillation and pacing by using with real defibrillating pacer(prepared by user-self);
★ ECG monitoring: Be used with real ECG monitor (prepared by user-self) to realize ECG monitoring;
★ Simulative ECG monitoring should be used with GD/J115 multi-parameter simulation of ECG to achieve the function of monitoring ECG.

Limbs:

1. Venous transfusion/puncture, arm veins include and Scalp vein includes.
2. Bone marrow puncture: Effusion of simulative bone marrow prompts proper tibial puncture; can inject into drugs and practice transfusion;
3. BP measurement training
4. Realistic infant manikin with height 50cm, body weight 3kgs; limb joint: bend, rotate, upper and lower movement;

Software:

1. Vital signs monitoring: spontaneous breath; simulate femoral artery, umbilical artery pulse; heart rate, cardiac rhythm, crying, hiccupping, BP, saturation of blood oxygen, ABP, mixed cyanosis, central cyanosis, peripheral cyanosis;
2. large numbers of questions, ECG, emergency scenes and cases are available in the system;
3. Infant ACLS emergency script editor is used to edit infant emergency cases and simulate emergency scenes;
4. Infant ACLS emergency script training software
5. Vital signs of manikin; recording operation log;
6. Wireless connection between manikin and the simulative system;
7. Perform PETCO2: confirm tracheal intubation position and monitor the effectiveness of resuscitation operation

Standard components:

1. Intelligent ACLS Baby Manikin
2. GD/HS7 BP Training Equipment
3. Heart and Lung Auscultation Simulator Set
4. GD/XD1000I ECG Generator
5. GD/CC999I Defibrillator Converter
6. BVM, Stethoscope, Laryngoscope, Tracheotomy tube, Infusion set.
7. Emergency System Controller
8. Medical Air Compressor

Optional accessories:

1. Computer / Laptop

Comprehensive Neonate Emergency Skills Training Manikin

ITEM NO : **GD/ACLS1400**

GD/ACLS1400 is the world leading man-machine interaction infant ACLS training simulation system, can simulate real emergency scenes and all the related signs of emergency patient, such as: pupil states, artery pulse, heart rhythm, heart and lung auscultation sound, etc. All the clinical emergency measures such as defibrillation, pacing, CPR, drug therapy, etc, and real clinical emergency instrument can be acted on the system. The manikin would show different vital signs change according to different rescue measures. Open case editing function allows lecturer edit required emergency cases according to clinical practice and teaching requirement for students' training use. Interactive internet features can implement whole students teaching; lecturer can acquire students' operation data easily and timely give correction and guidance.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

★ This sign indicates that the functions can be run only when the manikin is used with the optional accessories

Head and neck:

1. Normal, dilated pupil;
2. Airway management: realistic mouth, nose, tongue, gum, throat, esophagus, epiglottis, trachea, tracheal ring ; can practice tracheal intubation via mouth or nose, sputum suction; oxygen inhaling; may monitor airway intubation and umbilical vein catheterization, show correct and wrong intubation; there is prompt for wrong tracheal intubation; only right chest rise can be observed due to excessive intubation position;
3. Gastric intubation: detect tube position via auscultation; inserting gastric tube for gastrointestinal decompression, nasal feeding, gastric lavage, etc;

Chest and abdomen:

1. Pneumothorax puncture extraction, pleural effusion extraction training;
2. Auscultation sound: include heart sound, breath sound, bowel sound, of which the normal heart sound and breath sound can be adjusted according to the monitor HR and respiratory rate;
3. CPR training: Support multiple ventilation ways: mouth to mouth, mouth to nose, BVM to mouth; can monitor inflation times and frequency, compression time, frequency and depth; judge the ratio of artificial breathing and chest compression;

★ Real defibrillation and pacing: Achieve real defibrillation and pacing by using with real defibrillating pacer(prepared by user-self);

★ ECG monitoring: Be used with real ECG monitor (prepared by user-self) to realize ECG monitoring;

★ Simulative ECG monitoring should be used with GD/J115 multi-parameter simulation of ECG to achieve the function of monitoring ECG.

Limbs:

1. Venous transfusion/puncture, arm veins include and Scalp vein includes.
2. Umbilical care: Practice ligature of umbilical cord, umbilical vein catheterization;
3. Bone marrow puncture: Effusion of simulative bone marrow prompts proper tibial puncture; can inject into drugs and practice transfusion;
4. BP measurement training

Software:

1. Vital signs monitoring: spontaneous breath; simulate femoral artery, umbilical artery pulse; heart rate, cardiac rhythm, crying, hiccupping, BP, saturation of blood oxygen, ABP, mixed cyanosis, central cyanosis, peripheral cyanosis, amniotic fluid, muscular tension, convulsion, reflection, spontaneous movement and general paralysis; can perform Apgar score;
2. ECG, emergency scenes and cases are available in the system;
3. Neonatal ACLS emergency script editor is used to edit neonatal emergency cases and simulate emergency scenes;
4. Neonatal ACLS emergency script training software
5. Perform PETCO2: confirm tracheal intubation position and monitor the effectiveness of resuscitation operation

Standard components:

1. Intelligent ACLS Neonate Manikin
2. GD/HS7 BP Training Equipment
3. Heart and Lung Auscultation Simulator Set
4. GD/XD1000N ECG Generator
5. GD/CC999N Defibrillator Converter
6. BVM, Stethoscope, Laryngoscope, Tracheotomy tube, Infusion set.
7. Emergency System Controller
8. Medical Air Compresso

Optional accessories: Computer / Laptop

ACLS Child Training Manikin

ITEM NO : **GD/ACLS165**

GD/ACLS165 provides child ACLS(Advanced Cardiac Life Support) comprehensive emergency skills training, which is suitable for hospitals, Medical colleges and Medical schools emergency simulation operation. The manikin is designed according to five-year-old child anatomical and physiological characteristics, adopting imported environmental material.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

1. Vital signs simulation: bilateral pupils observation: normal and dilated; femoral artery pulse; can simulate carotid pulse;
2. Airway Management: Real mouth, nose, gums, throat, esophagus, epiglottis, trachea; it can be do intubation and suction through mouth.
3. Venipuncture/transfusion: arm vein, femoral vein, dorsal vein of foot
4. Intramuscular injection: bilateral deltoid, bilateral vastus lateralis
5. Subcutaneous injection: lateral subcutaneous injection of thigh
6. Bone marrow puncture: tibia with obvious body surface symbol, effusion of simulative bone marrow indicates proper puncture operation;
7. Gastric intubation: Allows gastric lavage, gastrointestinal decompression; detect tube position via abdominal auscultation; removing the gastric liquid prompts successful intubation;
8. Urethral catheterization: replaceable male/female perineum allows male/female catheterization;
9. Ileum, rectum and bladder stoma nursing
10. CPR: Support multiple ventilation ways: mouth to mouth, mouth to nose, BVM to mouth; electronic monitoring of airway open, inflation times, frequency, volume and compression times, frequency, position and depth; automatic judgment of artificial respiration and chest compression ratio; English voice prompts during the entire process;
11. ECG monitoring: can perform ECG monitoring; 20 kinds of ECG are available;
12. Heart and Lung Auscultation: It can do auscultation and recognize hundreds of sound such as normal and abnormal heart sound, breath sound, bowel sound and vascular murmur with manikin.
13. Real defibrillation and pacing: can perform real defibrillation and pacing by using with the real defibrillating pacer (should be prepared by yourself)

GD/ACLS165A Standard components:

1. Intelligent ACLS Five-year-old Child Manikin
2. GD/HS7 BP Training Equipment
3. GD/Z970C Heart and Lung Auscultation Simulator Set
4. GD/XD1000C ECG Generator
5. GD/CC999C Defibrillator Converter
6. CPR Displayer
7. BVM, Stethoscope, Laryngoscope, Tracheotomy tube, Infusion set.

GD/ACLS165B Standard components:

1. Intelligent ACLS One-year-old Child Manikin
2. GD/HS7 BP Training Equipment
3. GD/Z970C Heart and Lung Auscultation Simulator Set
4. GD/XD1000C ECG Generator
5. GD/CC999C Defibrillator Converter
6. CPR Displayer
7. BVM, Stethoscope, Laryngoscope, Tracheotomy tube, Infusion set.

ACLS Infant Training Manikin

ITEM NO : **GD/ACLS155**

GD/ACLS155 provides infant ACLS(Advanced Cardiac Life Support) comprehensive emergency skills training, which is suitable for hospitals, Medical colleges and Medical schools emergency simulation operation. The manikin is designed according to neonatal anatomical and physiological characteristics, adopting imported environmental material.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

1. Vital signs simulation: bilateral pupil observation: dilated and normal; simulate femoral artery, brachial artery and radial artery pulse;
2. Airway Management: Real mouth, nose, gums, throat, esophagus, epiglottis, trachea; it can be do intubation and suction through mouth.
3. Venous transfusion/puncture, arm veins include and Scalp vein includes.
4. Gastric intubation: detect tube position by means of auscultation; can practice gastrointestinal decompression, nasal feeding, gastric lavage, etc;
5. Bone marrow puncture: practice tibial puncture; outflow of simulative bone marrow shows proper puncture operation; drug liquid can be injected into and can practice transfusion operation;
6. CPR: Support multiple ventilation ways: mouth to mouth, mouth to nose, BVM to mouth; electronic monitoring of airway open, inflation times, frequency, volume and compression times, frequency, position and depth; automatic judgment of artificial respiration and chest compression ratio; real-time data display, English voice prompts during the entire process;
7. ECG monitoring: can perform ECG monitoring; 20 kinds of ECG are available;
8. Heart and Lung Auscultation: It can do auscultation and recognize hundreds of sound such as normal and abnormal heart sound, breath sound, bowel sound and vascular murmur with manikin.
9. Real defibrillation and pacing: can perform real defibrillation and pacing by using with the real defibrillating pacer (should be prepared by yourself)
10. Urethral Catheterization;
11. Llem,rectum and bladder stoma nursing.

Standard components:

1. Intelligent ACL Neonate Manikin
2. GD/HS7 BP Training Equipment
3. GD/Z970I Heart and Lung Auscultation Simulator Set
4. GD/XD1000I ECG Generator
5. GD/CC999I Defibrillator Convertor
6. CPR Displayer
7. BVM, Stethoscope, Laryngoscope, Tracheotomy tube, Infusion set.

ACLS Neonate Training Manikin

ITEM NO : **GD/ACLS145**

The system provides comprehensive neonatal ACLS emergency skills training. The manikin is designed according to neonatal anatomic structure and physiological characters, made of imported environmental material. This simple and practical ACLS training tool provides CPR, tracheal intubation, real and simulative defibrillation and pacing, ECG study and assessment and other emergency ways, which applies to major hospitals, medical schools and sanitation schools simulative emergency operation.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

1. Vital signs simulation: bilateral pupil observation: dilated and normal; simulate carotid artery, femoral artery, brachial artery and umbilical artery pulse;
2. Airway Management: Real mouth, nose, gums, throat, esophagus, epiglottis, trachea; it can be do intubation and suction through mouth.
3. CPR operation training: provide multiple ventilation ways: mouth to mouth, mouth to nose, BVM to mouth; electronic monitoring of airway open, inflation times, frequency, volume and compression times, frequency, position and depth; automatic judgment of artificial respiration and chest compression ratio; real-time data display, English voice prompts during the entire process;
4. AED: simulate AED, English voice during the entire process; provide electrode button; automatic heart rhythm detection and analyze if the defibrillation is needed;
5. ECG monitoring: can perform ECG monitoring; 20 kinds of ECG are available;
6. Real defibrillation and pacing: can perform real defibrillation and pacing by using with the real defibrillating pacer (should be prepared by yourself)
7. Heart and Lung Auscultation: It can do auscultation and recognize hundreds of sound such as normal and abnormal heart sound, breath sound, bowel sound and vascular murmur with manikin.

Standard components:

1. Intelligent ACLS Neonate Manikin
2. GD/HS7 BP Training Equipment
3. GD/Z970N Heart and Lung Auscultation Simulator Set
4. GD/XD1000N ECG Generator
5. GD/CC999N Defibrillator Convertor
6. CPR Displayer
7. BVM, Stethoscope, Laryngoscope, Tracheotomy tube, Infusion set.

The Function Descriptions of Different ALS、BLS and CPR Manikins

(the different functions and guidelines for your reference and choice)

Type of Products	Features	Page
GD/ACLS10800	Trachea Cannula+Simulative Defibrillation+CPR+IV Arm+BP Measurement+Assessment	P18
GD/ALS10750	Trachea Cannula+CPR+IV Arm+Result Printing+Assessment	P19
GD/ALS10750+	Trachea Cannula+CPR+IV Arm+Result Printing+Assessment+ECG Monitoring+Real/Simulative Defibrillation	P19
GD/BLS10700	Computer and Software Controlled:CPR+Real Defibrillation+Limb Trauma+Assessment	P20
GD/BLS10600	Computer and Software Controlled:CPR+Simulative AED Defibrillation	P21
GD/CPR10500	Computer and Software Controlled:CPR+Assessment	P21
GD/CPR10500W	Computer and Software Controlled:CPR+Assessment+Wireless Control	P21
GD/CPR10400	Large LCD Screen Displayer Controlled:CPR+Voice Prompt+Operation Frequency Prompt+Result Printing+Assessment+RF Remote Controller+Tactile Sensing	P22-23
GD/CPR10400-C	Large LCD Screen Displayer Controlled:CPR+Voice Prompt+Operation Frequency Prompt+Result Printing+Assessment+RF Remote Controller+Tactile Sensing+Student Information Management+Student IC Card	P22-23
GD/CPR10450	Large LCD Screen Displayer Controlled:CPR+Result Printing+Voice Prompt+Assessment+Tactile Sensing+LCD Remote Controller+Operation Replay+Wireless Control	P22-23
GD/CPR10300	Electronic Code Display Controlled:CPR+Voice Prompt+Operation Frequency Prompt+Result Printing+Assessment+RF Remote Controller+Tactile Sensing	P24-25
GD/CPR10300-C	Electronic Code Display Controlled:CPR+Voice Prompt+Operation Frequency Prompt+Result Printing+Assessment+RF Remote Control+Tactile Sensing+Student Information Management Software+Student IC Card	P24-25
GD/CPR10350	Large LCD Screen Displayer Controlled:CPR+Result Printing+Voice Prompt+Assessment+Tactile Sensing+LCD Remote Controller+Operation Replay+Wireless Control	P24-25
GD/CPR10280	Electronic Code Display Controlled:CPR+Operation Frequency Prompt+Result Printing+Assessment+RF Remote Controller+Tactile Sensing+Digital Indicator Light Display	P29
GD/CPR10200 (Half/Full)	Electronic Code Display Controlled:CPR+Operation Frequency Prompt+Digital Indicator Light Display	P30
GD/CPR10200N	Electronic Code Display Controlled:CPR+Operation Frequency Prompt+Wireless Control+Digital Indicator Light Display	P30
GD/CPR10180 (Half/Full)	Electronic Code Display Controlled:CPR+Operation Frequency Prompt+Digital Indicator Light Display	P31
GD/CPR10180N	Electronic Code Display Controlled: CPR+Wireless Control+Voice Prompt	P31
GD/CPR10175	Electronic Light Display:CPR	P32
GD/CPR10170	CPR+Alarm Prompt	P32
GD/CPR169	CPR	P33
GD/CPR169+	CPR+Obstruction	P33
GD/CPR145	CPR	P33
GD/CPR145+	CPR+Obstruction	P33
GD/CPR10160	Electronic Code Display Controlled:CPR+Operation Frequency Prompt+Digital Indicator Light Display	P36
GD/CPR10160W	Electronic Code Display Controlled: CPR+Assessment+Wireless Control	P36
GD/CPR10150	Electronic Code Display Controlled:CPR+Operation Frequency Prompt+Digital Indicator Light Display	P36
GD/CPR10150W	Electronic Code Display Controlled: CPR+Assessment+Wireless Control	

ACLS Adult Training Manikin

ITEM NO : **GD/ACLS10800**

GD/ACLS10800 provides ACLS(Advanced Cardiac Life Support) comprehensive emergency skills training, which is suitable for hospitals, Medical colleges and Medical schools emergency simulation operation. The product adopts imported environmental material. The system consists of manikin, large-screen colored display, simulative AED, remote controller, can act a serial of emergency means, such as: CPR, tracheal intubation, etc. It provides a simple and practical ACLS training tool for emergency physicians.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

1. Bilateral pupils contrast observation: normal, mydriasis, simulate carotid pulse.
2. Airway management: standard oral intubation supporting open airway by head tilt and jaw thrust, there is alarm warning if pressure is exerted on teeth.
3. CPR: can be artificial respiration and chest compressions,Operation type: one or more training, full English prompts, the standard open airway, instantaneous displaying graphics of data, statistics report sound directions related to CPR.
4. Simulating of a patient: the changes of pupils and carotid; the sounds of respiratory, moan, cough and vomit; more than 16 kinds of rhythm (access to 3/4 lead ECG monitoring); unilateral or bilateral bronchial obstruction; laryngospasm simulation.
5. Intravenous infusion and blood pressure measure training.
6. Pre-hospital emergency evaluation module
7. Medicine box: coordinate with emergency operation

Standard components:

1. ACLS computer screen
2. ACLS full-body manikin
3. Infrared remote controller
4. GD/HS7 Advanced BP Measuring Unit
5. Airway management component
6. Simulation of drug delivery devices

Optional accessories:

GD/AED99F Automatic External Defibrillation Simulator

Alternative accessories:

1. Trauma modules of limbs

ALS Training Manikin

ITEM NO : **GD/ALS10750**

GD/ALS10750 provides ACLS emergency skills training, its main function is CPR and airway management. The main modules consist of full-body manikin, large-screen LCD display. It provides a simple and practical ACLS training tool.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

1. Bilateral pupils contrast observation: normal, mydriasis, simulate carotid pulse.
2. Airway management: standard nasal intubation, tracheotomy intubation, supporting to head tilt and Jaw thrust, audible feedback if pressure exerted on the teeth during intubation.
3. CPR: instantaneous displaying graphics of data, statistic report, sound directions related to CPR, result printing, automatic scoring system
4. Pre-hospital emergency evaluation module
5. Arm injection

Standard components:

1. ALS Computer monitor
2. Full-body manikin
3. Laryngoscope

Alternative accessories:

1. Trauma modules of limbs

Advanced ALS Training Manikin

ITEM NO : **GD/ALS10750+**

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

1. GD/ALS10750+ is upgraded from GD/ALS10750; in addition to all the functions and configurations of BLS750, it has extra features of ECG monitoring and defibrillation and pacing training.
2. ECG simulator: more than 10 kinds of heart rhythm can be chosen, users can set the manikin heart rhythm change by themselves;
3. Defibrillation and pacing training: manikin can get heart rhythm from ECG simulator; and it can be connected with real clinical monitor, perform defibrillation and pacing training by using clinical defibrillation and pacing instrument; and the manikin' s heart rhythm would make corresponding physiological responses;
4. Components: in addition to all the components of GD/ALS750,it has extra ECG simulator
5. ECG monitoring: can perform ECG monitoring; 20 kinds of ECG are available;
6. Real defibrillation and pacing: can perform real defibrillation and pacing by using with the real defibrillating pacer (should be prepared by yourself)
7. Pre-hospital emergency evaluation modules
8. Arm injection

Standard components:

1. ALS component computer monitor
2. Full-body manikin
3. GD/XD1000A ECG generator
4. GD/CC999A Defibrillator Converter

Optional accessories:

1. GD/J880 Simulative Cardiac Defibrillating Pacer
2. Real defibrillator and pacemaker.
3. Trauma modules of limbs.

CPR and AED Training Manikin

ITEM NO : **GD/BLS10700**

The system provides BLS (Basic Life Support) multimedia courseware teaching, operation process training and assessment.Vividly simulate BLS first-aid procedures.It is applicable for CPR training organization, hospitals, Medical colleges and Medical School for BLS training.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

System Functions:

1. Vital signs simulation: pupil changes and carotid pulse;
2. Airway open training: standard airway open operation ;
3. CPR training: CPR training is designed according to 2015 international CPR guideline; can perform CPR and external cardiac compresion,English voice prompts during the entire process; standard airway open, real-time operation curve display, voice prompts of wrong compression and inflation, data statistics, result printing, available of trainging and test mode;
4. Simulate heart rhythm can occur corresponding physiological changes.
5. Script editor: the system provides multiple emergency cases, and support users self-editting emergency cases;
6. Can perform multi-media courseware teaching, can also attach to projector to play;
7. GD/J110-4 Advanced Limb Trauma Module
   1) Simulate limbs trauma and burm skin replacement;
   2) Simulate wound washing, disinfection, stop bleeding, bandaging of the wound; fixation and moving of patient;
   3) Simulate open fracture and fragmentation treatment of various body sites
   4) Wound type: open fracture of right hand, laceration wound of soft tissue, bone tissue exposure, metal pricking wound in right thigh,open fracture of right foot, amputation trauma of right little finger, I, II, III degree burm of left forearm;

Standard components:

1. BLS full-body manikin
2. GD/J110-4 Advanced Trauma Limb Modules
3. Software
4. GD/AED99E Automatic External Defibrillation Simulator

Optional accessories:

1. Computer/ Laptop

CPR and AED Training Manikin

ITEM NO : **GD/BLS10600**

The system provides BLS (Basic Life Support) multimedia courseware teaching, operation process training and assessment. The system consists of basic emergency application software, full-body manikin, simulative AED; it can simulate pupil changes, carotid artery pulse, CPR training, AED defibrillation, case editing and multimedia courseware teaching. It is applicable for CPR training organization, hospitals, Medical colleges and Medical School for BLS training.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

1. Vital signs simulation: pupil changes and carotid pulse
2. Simulate airway opening
3. CPR: instantaneous graphics displaying of data, statistic report, training evaluation for one or more person, optional sounds related to CPR.
4. AED defibrillation: adopt GD/AED99E automatic external defibrillation Simulator , provide electrode patch.
5. Script editor: the system provides multiple emergency cases.
6. Available standalone version and online interactive version.

Standard components:

1. BLS full-body manikin
2. GD/AED99E Automatic external defibrillation simulator
3. Software

Optional accessories:

1. Computer / Laptop

CPR Training Manikin

ITEM NO : **GD/CPR10500**

The system provides CPR multimedia courseware teaching, operation process training and assessment. The system consists of CPR application software, full-body manikin, limbs trauma modules; it can simulate pupil changes, carotid artery pulse, CPR training and assessment, multimedia courseware teaching and limbs trauma. It is applicable for CPR training organization, hospitals, Medical colleges and Medical School for CPR training.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Features:

1. Vital signs simulation: pupil changes and carotid pulse
2. Simulate airway opening
3. CPR: instantaneous graphics displaying of data, statistic report, training evaluation for one or more person, optional sounds related to CPR.

ITEM NO. :	Software	Wireless Control
GD/CPR10500	√	
GD/CPR10500W	√	√

Standard components:

1. Full-body manikin
2. Software

Optional accessories:

1. GD/J110-4 Advanced Trauma Limbs Modules
2. Computer / Laptop

Advanced CPR Training Manikin

ITEM NO : **GD/CPR10400, GD/CPR10450**

GD/CPR10400

ITEM NO :	Monitor	Print	Standard Setting	RF Controller	Touch Sensitive	Recorder	Wireless Control
GD/CPR10400	✓	✓	◆	✓	✓		
GD/CPR10450	✓	✓	✓	★	✓	✓	✓
GD/CPR10400N	✓	✓	◆	✓	✓		✓

★ Touch Type Colour LCD RF Remote Controller

◆ Connected to external computer to set different CPR standards

Recorder: rescue process playback

Standard setting: available switchover among different CPR standard

Wireless Control: Can be switched between wireless and wired functions according to practical needs

Touch Type Colour LCD
RF Remote Controller

Result Printing

RF Controller

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

CPR manikin features:

1. Clear anatomic characteristic, realistic touch feeling and lifelike skin color, vivid appearance;
2. Simulate vital signs:
   - ◆ Initial state: manikin pupils are dilated, no carotid pulse;
   - ◆ During the compression operation, there is passive pulse of carotid pulse , and the pulse rate is in line with compression rate;
   - ◆ After successful rescue, the manikin pupils return to normal and get spontaneous carotid pulse;
3. Provide consciousness judgment, emergency call, pulse examination, breath examination and foreign body clearance operation;
4. Can perform artificial breathing and cardiac compression, airway open;
5. Three operation modes: CPR training, simulating assessment and actual assessment
   - ◆ Mode I: CPR training, can perform compression and inflation
   - ◆ Mode II: Simulating assessment, during the rated period complete 5 cycles CPR operation basing on 2015 international CPR standard, with compression and inflation ratio: 30:2;
   - ◆ Mode III: Actual assessment, during the setting period, complete the pre-set assessment standard according to the 2015 international CPR standard; teachers can set operating time, cycle number, compression and inflation ratio, correct compression no., correct inflation no., and the accuracy rate of compression and inflation;

CPR LED screen:

1. Electronic monitoring: Monitor airway open and compression site; show the correct No. and wrong No. of artificial breath and external cardiac compression;
2. Voice prompt: English voice prompt during the training and assessment operation; voice can be closed or open, volume can be adjusted;
3. Indicators show inflation volume, correct inflation volume: 500ml—600ml ;
   - ◆ Insufficient inflation volume, yellow indicator
   - ◆ Proper inflation volume, green indicator
   - ◆ Excessive inflation volume, red indicator
4. Indicators show compression depth:
   - ◆ Insufficient compression depth, yellow indicator;
   - ◆ Proper compression depth, green indicator
   - ◆ Excessive compression depth, red indicator;
5. Operation time can be set in second;
6. Operation rate: 100-120 times/ min
7. Power: 110-240V, 24V output powder via manostat

Printer:

1. Available synchronous printing while operation
2. Print after the operation
3. The content of result sheet covers operation mode, consciousness judgment, emergency call, pulse examination, breath examination, foreign body clearance, inflation and compression number every operation cycle, correct/wrong compression, reason for wrong compression ,correct/wrong inflation, reason for incorrect inflation, time setting, operation time, assessment evaluation;

RF Remote controller:

RF remote controller: teacher can control CPR operation, pupil changes, pulse activity, print and other functions by using remote controller; can also record conscious judgment, emergency call, pulse examination, breath examination, and foreign body clearance.

Material:

The model is molded under high temperature by means of stainless mould, with face skin, neck skin, chest skin and hair made of imported material. It features durability, non-deformation and easy assembly and disassembly.

Advanced CPR Training Manikin

ITEM NO : GD/CPR10300, GD/CPR10350

ITEM NO :	Monitor	Print	Student Card Management	RF Controller	Touch Sensitive	Recorder	Wireless Control	Standard Setting
GD/CPR10300	✓	✓		✓	✓			◆
GD/CPR10350	✓	✓		★	✓	✓	✓	✓
GD/CPR10300N	✓	✓		★	✓		✓	◆
GD/CPR10300C	✓	✓	✓	✓	✓			◆

★ Touch Type Colour LCD RF Remote Controller

◆ Connected to external computer to set different CPR standards

Recorder: rescue process playback

Standard setting: available switchover among different CPR standard

Touch Type Colour LCD RF Remote Controller

Result Printing

Student Card Management

RF Controller

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

CPR manikin features:

1. Clear anatomic characteristic, realistic touch feeling and lifelike skin color, vivid appearance;
2. Simulate vital signs:
   - ◆ Initial state: manikin pupils are dilated, no carotid pulse;
   - ◆ During the compression operation, there is passive pulse of carotid pulse , and the pulse rate is in line with compression rate;
   - ◆ After successful rescue, the manikin pupils return to normal and get spontaneous carotid pulse;
3. Provide consciousness judgment, emergency call, pulse examination, breath examination and foreign body clearance operation;
4. Can perform artificial breathing and cardiac compression, airway open;
5. Three operation modes: CPR training, simulating assessment and actual assessment
   - ◆ Mode I: CPR training, can perform compression and inflation
   - ◆ Mode II: Simulating assessment, during the rated period complete 5 cycles CPR operation basing on 2015 international CPR standard, with compression and inflation ratio: 30:2;
   - ◆ Mode III: Actual assessment, during the setting period, complete the pre-set assessment standard according to the 2015 international CPR standard; teachers can set operating time, cycle number, compression and inflation ratio, correct compression no., correct inflation no., and the accuracy rate of compression and inflation;

CPR LED screen:

1. Electronic monitoring: Monitor airway open and compression site; show the correct No. and wrong No. of artificial breath and external cardiac compression;
2. Voice prompt: English voice prompt during the training and assessment operation; voice can be closed or open, volume can be adjusted;
3. Indicators show inflation volume, correct inflation volume: 500ml—600ml;
   - ◆ Insufficient inflation volume, yellow indicator
   - ◆ Proper inflation volume, green indicator
   - ◆ Excessive inflation volume, red indicator
4. Indicators show compression depth:
   - ◆ Insufficient compression depth, yellow indicator;
   - ◆ Proper compression depth, green indicator
   - ◆ Excessive compression depth, red indicator;
5. Operation time can be set in second;
6. Operation rate: 100-120 times/ min
7. Power: 110－240V, 24V output powder via manostat

Printer:

1. Available synchronous printing while operation
2. Print after the operation
3. The content of result sheet covers operation mode, consciousness judgment, emergency call, pulse examination, breath examination, foreign body clearance, inflation and compression number every operation cycle, correct/wrong compression times, reason for wrong compression ,correct/wrong inflation times, reason for incorrect inflation, time setting, operation time, assessment evaluation;

RF Remote controller:

RF remote controller: teacher can control CPR operation, pupil changes, pulse activity, print and other functions by using remote controller; can also record conscious judgment, emergency call, pulse examination, breath examination, and foreign body clearance.

Material:

The model is molded under high temperature by means of stainless mould, with face skin, neck skin, chest skin and hair made of imported material. It features durability, non-deformation and easy assembly and disassembly.

Emergency Training Manikin

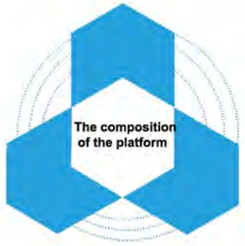
High Intelligent (Cloud Terminal) Cardiopulmonary Resuscitation Self-help Assessment Systematic Platform

ITEM NO：**GD/CPR580**

The system platform

1. Server
1.1 Terminal Management
1.2 Exam Management
1.3 Statistical Management
1.4 Basic Management

2. Monitoring terminal
2.1 Test Monitoring
2.2 practice monitoring



Training and assessment the terminal

1.Combination training and assessment
2. Independent training

Mobile phone system login side

1. CPR Exam
2. CPP Exercises
3. QCPR Exercises
4. Result Inquiry

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

- High intelligent cardiopulmonary resuscitation self-help assessment and training cloud platform that is fully compatible to 2015AHA standard. It realizes one-teacher monitoring while nearly 100 students' procedures and skills practice and examination. There is no mutual influence between students taking the examination and practicing. Service system can simultaneously monitor 100 simulated humans when training and taking examinations.
- The platform supports CPR skills training. It provides procedures training of verification of safe environment, calling for 120, assessment, etc. It is also available to appraise and examine the position placement, compression skills and humanistic cares of students.
- The whole system (simulated human, mobile device, monitoring platform) is wireless connected. Students can scan QR code to register the platform via mobile devices (system supports mobiles and pads of IOS and Android). The platform automatically pushes the examination position to students' mobile devices in accordance with using status of simulated human. Students go for assigned simulated human to train or assess in accordance with information pushed. After training and examination, the platform will push the script to students' mobile device. Teachers can check and print the examination results of all the students by monitoring platform. (Word and Excel printing supported)
- System offers QCPR training, CPR training and CPR examination. Training mode, students can finish the training of procedure via mobile devices and platform, simultaneously observing the real-time training status; in the examination mode, teachers can customize assessment standard of the platform, simultaneously observing the examination procedure of all the students. For instance, which cycle operation the student is proceeding. Which step of the single cycle operation (C, A, B) and detailed process execution status. It is also available for students to observe any student's assessment status, like real-time compression curve, blowing curve, airway opening of simulated human, whether conduct consciousness judgment, whether dial an emergency call, etc.
- It is applicable for students to collect the statistics, helping teachers to find out common problems of students. In this way, to improve teaching quality.

Server & Exam Training Monitoring Terminal

System login interface

Terminal management & 1.1.1 terminal information

Statistical management(all student performance statistics,indicidual student performance statistics

Student training, the monitoring screen before assessment

Score settings

Student information management

Handheld Terminals for trainee Login Training

1. CPR Exam

In the first time, students should register their account firstly

Login their account

Click on the "start exam" to enter the examination process

In accordance with the process of examination

Scores can be worked out by the system statistics

2. CPR exercise

Mobile phone browser scan the platform two-dimensional code and come into the system

Click "Start Exercise"to enter the training process

Students log on their own account

In accordance with the process of training

Scores can be worked out by the system statistics

High Intelligent (Cloud Terminal) CPR Simulated Human

ITEM NO : **GD/CPR20480**

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

- It is available to connect simulated human through wireless or wire connection. Under wireless mode, it is able to connect simulated human through tablet computer or scanning QR code. There is no need to install any software on mobile terminal, platforms like Windows, ISO or Andriod all work. The batteries are built in simulated human, which is convenient to transfer the "patient", which is not limited to the field.
- Functions of CPR whole body simulated human: there is built-in lithium battery in simulated human, which is applicable for outdoor CPR training and examination.
- Teacher can manage the transcript of students, transcript could be exported and printed.
- During training mode, it is able to perform procedure training, including judging the environmental safety, dial an emergency call, take foreign body out from the mouth, pulse evaluation time. During the whole training procedure, it synchronously shows compression, air blowing, circulation counts and operation log of students. Error messages including compression interruption time, excessive compression, insufficient compression, multiple compression, few compression, insufficient rebound, wrong compression position, fast air blowing, blowing to stomach, repeatedly air blowing, few air blowing, etc. When the training is over, system will automatically give data statistics and transcript.
- Simulated human is connected through wireless method. There is built-in lithium battery. Its working hour is not less than 6 hours. It can display vital signs and operation state like the normal pupil and dilated one; pulses; oral foreign body; lift head and jaws consciousness judgement, etc.
- During examination mode, user could set up examination parameters by themselves, including examination time, compression interruption time, compression frequency, compression accuracy, air blowing accuracy, air blowing time, pulses evaluation time, etc. During the examination, system synchronously shows operation curves of simulated human, operation data statistics and operation log. Teacher could evaluate humanistic care, position of simulated human, compression techniques of students. When the examination is over, system will automatically judge whether the operation is qualified, and give the data statistics of the whole CPR procedure and transcript. Teacher can comment on students ' overall operation and input on transcript.

Emergency Training Manikin

Advanced CPR Training Manikin

ITEM NO : **GD/CPR10280**

ITEM NO :	Monitor	RF Controlle	Print	Tactile Sensing
GD/CPR10280	✓	✓	✓	✓
GD/CPR10280 (Half)	✓	✓	✓	✓

GD/CPR10280

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

CPR manikin features:

1. Clear anatomic characteristic, realistic touch feeling and lifelike skin color, vivid appearance;
2. Simulate vital signs:
   - ◆ Initial state: manikin pupils are dilated, no carotid pulse;
   - ◆ During the compression operation, there is passive pulse of carotid pulse , and the pulse rate is in line with compression rate;
   - ◆ After successful rescue, the manikin pupils return to normal and get spontaneous carotid pulse;
3. Provide consciousness judgment, emergency call, pulse examination, breath examination and foreign body clearance operation;
4. Can perform artificial breathing and cardiac compression, airway open;
5. Three operation modes: CPR training, simulating assessment and actual assessment
   - ◆ Mode I: CPR training, can perform compression and inflation
   - ◆ Mode II: Simulating assessment, during the rated period complete 5 cycles CPR operation basing on 2015 international CPR standard, with compression and inflation ratio: 30:2;
   - ◆ Mode III: Actual assessment, during the setting period, complete the pre-set assessment rules according to the 2015 international CPR standard;

CPR screen features:

1. Electronic monitoring: Monitor airway open and compression site; show the correct No. and wrong No. of artificial breath and external cardiac compression;
2. Voice prompt: English voice prompt during the training and assessment operation; voice can be closed or open, volume can be adjusted;
3. Indicators show inflation volume, correct inflation volume: 500ml—600ml;
   - ◆ Insufficient inflation volume, yellow indicator
   - ◆ Proper inflation volume, green indicator
   - ◆ Excessive inflation volume, red indicator
4. Indicators show compression depth: correct compression depth: 5-6cm
   - ◆ Insufficient compression depth, yellow indicator;
   - ◆ Proper compression depth, green indicator
   - ◆ Excessive compression depth, red indicator;
5. Operation time can be set in second;
6. Operation rate: 100-120times/ min
7. Power: 110−240V, 24V output powder via manostat

Printer:

1. Available synchronous printing while operation
2. Print after the operation is finished
3. The content of result sheet covers operation mode, consciousness judgment, emergency call, pulse examination, breath examination, foreign body clearance, inflation and compression number every operation cycle, correct/wrong compression times, reason for wrong compression ,correct/wrong inflation times, reason for incorrect inflation, time setting, operation time, assessment evaluation;

Advanced CPR Training Manikin

ITEM NO : **GD/CPR10200**

ITEM NO :	Monitor	Wireless Control
GD/CPR10200(full-body)	✓	
GD/CPR10200(half-body)	✓	
GD/CPR10200N	✓	✓

★ Wireless Control: Can be switched between wireless and wired functions according to practical needs

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

CPR manikin features:

1. Clear anatomic characteristic, realistic touch feeling and lifelike skin color, vivid appearance;
2. Simulate vital signs:
   - ◆ Pupil state: contrast observation of pupils, one is dilated, the other one is contracted;
3. Open airway, the airway indicator will turn green;
4. Can perform artificial breathing and external cardiac compression

CPR screen features:

1. Available CPR training;
2. Electronic monitoring of compression site;
3. Indicators show inflation volume, correct inflation volume: 500ml—600ml ;
   - ◆ Insufficient inflation volume, yellow indicator
   - ◆ Proper inflation volume, green indicator
   - ◆ Excessive inflation volume, red indicator
4. Indicators show compression depth: correct compression depth: 5-6cm
   - ◆ Insufficient compression depth, yellow indicator;
   - ◆ Proper compression depth, green indicator
5. Operation rate: 100-120times/ min ;
6. Operation cycle: 2 valid inflation after 30 valid compression, 5 cycles;
7. Power: 110−240V, 6V output powder via manostat; or use 4pcs #1 battery;

Material:

■ The model is molded under high temperature by means of stainless mould, with face skin, neck skin, chest skin and hair made of imported material. It features durability, non-deformation and easy assembly and disassembly.

Standard components:

■ CPR manikin ■ CPR displayer

Advanced CPR Training Manikin

ITEM NO : **GD/CPR10180**

ITEM NO :	Monitor	Wireless Control
GD/CPR10180(Full-body)	✓	
GD/CPR10180(Half-body)	✓	
GD/CPR10180N	✓	✓

★ Wireless Control: Can be switched between wireless and wired functions according to practical needs

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

CPR manikin features:

1. Clear anatomic characteristic, realistic touch feeling and lifelike skin color, vivid appearance;
2. Simulate vital signs:
   - ◆ Pupil state: contrast observation of pupils, one is dilated, the other one is contracted;
   - ◆ Carotid pulse response: squeeze the rubber ball to simulate carotid pulse;
3. Open airway, the airway indicator will turn green;
4. Can perform artificial breathing and external cardiac compression

CPR screen features:

1. Available CPR training;
2. Electronic monitoring of compression site;
3. Indicators show inflation volume, correct inflation volume: 500ml—600ml ;
   - ◆ Insufficient inflation volume, yellow indicator
   - ◆ Proper inflation volume, green indicator
   - ◆ Excessive inflation volume, red indicator
4. Indicators show compression depth: correct compression depth: 5-6cm
   - ◆ Insufficient compression depth, yellow indicator;
   - ◆ Proper compression depth, green indicator
   - ◆ Excessive compression depth,blue indicator;
5. Operation rate: 100-120times/ min;
6. Operation cycle: 2 valid inflation after 30 valid compression, 5 cycles;
7. Power: 110−240V, 6V output powder via manostat; or use 4pcs #1 battery;

Material:

■ The model is molded under high temperature by means of stainless mould, with face skin, neck skin, chest skin and hair made of imported material. It features durability, non-deformation and easy assembly and disassembly.

Advanced Half-body CPR Training Manikin

ITEM NO : **GD/CPR10175**

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

CPR manikin features:

1. Can perform airway open
2. Can perform artificial breathing and external cardiac compression
3. While performing artificial aspiration, judge inflation volume by chest rise;
4. External chest compression, correct compression depth:5-6cm
   - ◆ Correct compression site, yellow indicator
   - ◆ Proper compression depth, green indicator
   - ◆ Excessive compression depth, red indicator
5. Operation frequency: 100-120 times/ min, with “tick” sound
6. Power: 9V battery

Half-body CPR Training Manikin

ITEM NO : **GD/CPR10170**

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

CPR manikin features:

1. Can perform airway open
2. Can perform artificial breathing and external cardiac compression
3. While performing artificial aspiration, judge inflation volume by chest rise;
4. External chest compression, correct compression depth:5-6cm
   - ◆ Correct compression site, prompt correct buzzing sound
   - ◆ Excessive compression site, prompt alarming buzzing sound
5. Operation frequency: 100-120 times/ min, with “tick” sound
6. Power: 9V battery

Half-body CPR Training Manikin

ITEM NO : **GD/CPR169**
GD/CPR169+(CPR and Obstruction)

ITEM NO. :	CPR	Obstruction	Monitor
CPR169	√		√
CPR169+	√	√	√

Features:

1. Provide CPR operation practice;
2. Inflation: multiple ventilation ways, mouth to mouth, bag valve-mask to mouth, mechanical ventilation; the chest will rise when the ventilation is performed properly;
3. External chest compression: the manikin features important anatomical landmarks, can effectively teach and practice external chest compression; it includes rib cage, jugular notch, sternum and xiphoid process;
4. Can simulate carotid pulse. The instructor can vary the intensity and rate of the carotid pulse by the strength applied to the bulb;
5. Can practice the techniques of abdominal thrust, for the removal of airway foreign body obstruction;
6. Individual MOUTH/ NOSE piece, replaceable; the manikin comes with 3 pcs MOUTH/ NOSE piece;
7. Power: DC power supply

Adult Obstruction Model

ITEM NO : **GD/CPR145**
GD/CPR145+(CPR and Obstruction)

ITEM NO. :	CPR	Obstruction
GD/CPR145	√	
GD/CPR145+	√	√

The product can operate adult Heimlich maneuver.
The Simulate manikin is designed according to the anatomy and physiological characteristics and fit for first aid for foreign body in the airway.

Features:

1. Simulation of normal airway obstruction
2. Simulation of airway opening and chest compression
3. Simulation of the chest expansion when the airway is empty
4. Simulation of suffocation, foreign body obstruction in airway

Simple Cardiopulmonary Resuscitation Simulated Human

ITEM NO : GD/CPR166

Execution standard: 2015 America Heart Association (AHA) International Standard Guide for CPR & ECG

Features:

- Half-length simulated human. It has obvious anatomical features. It is portablewith its small size;
- IInclude two training modes: adult and children;
- It is available to conduct training and teaching of airway opening, ventilation- and chest compression; ups and downs of chest could be observed when conducting ventilation; there is voice prompt when compression is correct.

CPR and Intubation Training Manikin(Adult)

ITEM NO : GD/J158

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

The model is adult upper body with clear anatomical landmarks (costal arch, xiphoid), easy to operate positioning. The facial skin, neck skin, chest skin, hair are all made of imported thermoplastic elastomer mixed plastic material, made of stainless steel mold, the injection molding machine injection pressure from high temperature. It has realistic touch feeling, unified color, realistic shape, nice appearance, high durability easy disassembly and replacement features.

Features:

1. Pupil response: Bilateral pupils contrast observation;
2. Carotid artery response: pinching pressure the ball to simulate carotid pulse;
3. Chest compressions;
4. Standard airway open;
5. Feasible three ways to open the airway: lift jaw with head back, lft the head and neck, lift jaw by hands;
6. Mouth resuscitation and ventilator-assisted breathing, effective artificial respiration has visible chest rise;
7. Simulate laryngeal mask airway and composite cannula can be inserted into the air way;
8. Verify endotracheal intubation is correct or not: a catheter inserted into the trachea, lungs will swell (plastic bladder) when inflated; if the catheter is inserted by mistake esophagus, stomach will swell when inflated (plastic pouch). Observed pulmonary respiration;
9. Artificial ventilation;
10. Oral intubation and esophageal intubation;
11. Open the airway and practise from resuscitator bag to breathing mask or from resuscitator bag to the cannula;
12. Respiratory tract is simple and can be replaced;
13. Easy to carry, suitable for field training

Model	CPR and Tracheal Intubation	Electronic alarm	CPR controller
J158-A	√		
J158-B	√	√	
J158-C	√		√

CPR and Intubation Training Manikin(the Elderly)

ITEM NO : GD/J159

Model	CPR and Tracheal Intubation	Electronic alarm	CPR controller
J159-A	√		
J159-B	√	√	
J159-C	√		√

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

The model is adult upper body with clear anatomical landmarks (costal arch, xiphoid), easy to operate positioning. The facial skin, neck skin, chest skin, hair are all made of imported thermoplastic elastomer mixed plastic material, made of stainless steel mold, the injection molding machine injection pressure from high temperature. It has realistic touch feeling, unified color, realistic shape, nice appearance, high durability, easy disassembly and replacement features.

Features:

1. Pupil response: Bilateral pupils contrast observation;
2. Carotid artery response: pinching pressure the ball to simulate carotid pulse;
3. Chest compressions;
4. Standard airway open;
5. Feasible three ways to open the airway: lift jaw with head back, lift the head and neck, lift jaw by hands;
6. Mouth resuscitation and ventilator-assisted breathing, effective artificial respiration has visible chest rise;
7. Simulate laryngeal mask airway and composite cannula can be inserted into the air way;
8. Verify endotracheal intubation is correct or not: a catheter inserted into the trachea, lungs will swell (plastic bladder) when inflated; if the catheter is inserted by mistake esophagus, stomach will swell when inflated (plastic pouch). 9.Observed pulmonary respiration;
10. Artificial ventilation;
11. Oral intubation and esophageal intubation;
12. Open the airway and practise from resuscitator bag to breathing mask or from resuscitator bag to the cannula;
13. Respiratory tract is simple and can be replaced;
14. Easy to carry, suitable for field training.

Child CPR Training Manikin

ITEM NO : GD/CPR10160

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

CPR manikin features:

1. Clear anatomic characteristic, realistic touch feeling and lifelike skin color, vivid appearance;
2. Simulate vital signs: squeeze the rubber ball to simulate carotid artery pulse;
3. Can perform artificial respiratory and extracardial compression;
4. Operation mode: CPR training, can perform compression and inflation;

CPR screen functions:

1. Indicators show inflation volume,correct inflation volume:150m-200ml; When the inflation volume is proper or excessive,indicators will accordingly be green or red
2. Operation frequency: 100-120times/ min
3. Ratio of compression and artificial respiratory: 30:2/single or15:2/double
4. Operation cycle: after 2 valid inflation, then 5 cycles CPR opera-tion according to the ratio of compression and infation 30:2 or 15:25.Power: 110- 240V, 6V output powder via manostat; or use 4pcs #1battery for field training

ITEM NO. :	CPR	Wireless Control
GD/CPR10160	√	
GD/CPR10160W	√	√

Infant CPR Training Manikin

ITEM NO : GD/CPR10150

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

CPR manikin features:

1. Clear anatomic characteristic, realistic touch feeling and lifelike skin color, vivid appearance;
2. Simulate vital signs: squeeze the rubber ball to simulate brachial artery pulse;
3. Can perform artificial respiratory, extracardial compression and airway open;
4. Operation mode: CPR training, can perform compression and inflation;

CPR screen functions:

1. Indicators show inflation volume, correct inflation volume: 150ml-200ml
   - When the inflation volume is proper or excessive, indicators will accordingly be green or red .
2. Indicators show compression depth: correct compression depth: at least 4cm
   - When the compression depth is proper or excessive, indicators will accordingly be green or red
3. Operation frequency: 100-120times/ min
4. Ratio of compression and artificial respiratory: 30:2/single or 15:2/double
5. Operation cycle: after 2 valid infation, then 5 cycles CPR operation according to the ratio of compression and inflation 30:2 or 15:2
6. Power: 110- 240V, 6V output powder via manostat; or use 4pcs #1 battery for field training

ITEM NO. :	CPR	Wireless Control
GD/CPR10150	√	
GD/CPR10150W	√	√

★ Wireless Control: Can be switched between wireless and wired functions according to practical needs

Mobile Interactive Infant Manikin

ITEM NO : GD/CPR20150

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

1. It is available to connect simulated human through scanning QR code with mobile terminal, which means there is no need to install any app on mobile terminal which could be mobile phone or tablet computer. It is available for both IOS or Android platform.
2. There is built-in lithium battery in simulated human, which supports outdoor CPR training or examination.
3. Operation process will be guided though voice prompt all the way during training mode. It is available to show compression,air blowing, circulation count and error message simultaneously. Error message includes compression interval, excessive compression, insufficient compression,too many times of compression, too little times of compression, insufficient rebound, wrong compression position, air blowing is too fast, blowing to stomach, blowing for several times, blowing for few times.
4. User could set up examination parameter of their own accord during examination mode, including examination duration, compression interruption time, compression frequency, compression accuracy, air blowing accuracy, fast air blowing, etc.
5. Check brachial artery reaction: pinch the rubber ball with one hand to simulate brachial artery pulses.

Mobile Interactive Child CPR Training Manikin

ITEM NO : GD/CPR20160

Implement Standards: American Heart Association (AHA) 2015 International Cardiopulmonary Resuscitation (CPR) & Cardiovascular Emergency (ECC) Guidelines:

Features:

1. The manikin can be wirelessly connected by scanning the QR code on the mobile terminal, and the mobile terminal does not need to install software. The mobile phone can be selected from a mobile phone or a tablet, and the IOS or Android platform is not limited.
2. Simulated people built-in lithium battery, can carry out cardiopulmonary resuscitation training or assessment outdoors.
3. In the training mode, the operation flow is guided by the whole voice. The press, blow, number of cycles, and error prompts can be displayed simultaneously. Error prompts include press break time, excessive press, small press, multiple presses, low presses, insufficient rebound, incorrect press position, too fast blowing, blowing into the stomach, blowing multiple times, blowing less times.
4. Assessment mode users can set their own assessment parameters, including assessment time, compression interruption time, compression frequency, compression accuracy, blowing accuracy, blowing too fast. After the assessment, the system can automatically judge whether the operation is qualified, and give the statistics of the whole cardiopulmonary resuscitation assessment process.
5. check the brachial artery reaction: hand pinch pressure ball, simulate the radial artery beat.

Infant Obstruction Model

ITEM NO : **GD/CPR140**

The product is designed for practicing Heimlich maneuver. The manikin is designed according to infant anatomic and physiological characteristics and suitable for airway foreign body emergency. Airway foreign body is common in infant and children. Infant and children due to immature epiglottal cartilage and unsound function, it is easy to inhale the contents into trachea, if they speak, cry , laugh and do active activities with contents in the mouth, it would cause airway obstruction and choking.

1) Back blow method: let patient ride and pronate on the rescuer 's arm with head lower than trunk, fix head and put his arm on rescuer 's thigh, then blow patient back forcefully 4-6 times with the other hand, so that a sudden increase in airway pressure can help loosen and discharge the foreign body.
2) Chest-thrust method: Let patient in supine position and hold in rescuer's arm, with head a little lower than trunk; press the middle part between two nipples 4-6times with two fingers. When necessary, the two methods can be interchangeably used until the foreign body is discharged or patient loss consciousness.

Features:
1. Artificial respiration and external chest compression;
2. Simulation of natural airway;
3. Airway opening and chest compression;
4. Chest rise when airway opened;
5. Simulation of foreign-body airway obstruction.

Neonate Intubation Training Model

ITEM NO : **GD/J15**

Features:
1. Realistic anatomy of neonate
2. Oral and nasal intubation
3. Lifelike material
4. Directly observe the expansion of lungs and stomach by insufflating air into the tube and stomach so as to verify if the tube position is right.

Infant Airway Management Model

ITEM NO : **GD/J10**

Features:
1. Realistic anatomy: tongue, cavum oris, pharynx, larynx, chordae vocals, trachea
2. Oral and nasal intubation
3. Lifelike material
4. Simulate head tilt to operate conveniently
5 Directly observe the expansion of lungs and stomach by insufflating air into the tube and stomach so as to verify if the tube position is right.

Child Tracheal Intubation Model

ITEM NO : **GD/J16**

Features:
1. Realistic anatomical structure of child mouth, pharynx, trachea
2. Tracheal intubation via mouth and nose
3. Head and neck of the child can be backward in order to open airway
4. Test intubation by inhaling method

Tracheostomy Simulator

ITEM NO : **GD/J58**

Features:
1. Trachea anatomy is standard; trachea is touchable.
2. Simulate dorsal position and neck extending
3. Percutaneous tracheostomy, including various incision: longitudinal incision, transverse incision, crisscross incision, U shape and inverted-U shape incision
4. Cricothyrotomy endotracheal intubation

Arm Haemorrhage Amputated Module

ITEM NO : **GD/J108-1**

1. Allow to infuse simulative blood and imitate certain arterial pressure;
2. Allow to have hemostasis and bandaging after bleeding and for amputated limbs.

Thigh Haemorrhage Amputated Module

ITEM NO : **GD/J108-2**

1. Allow to infuse simulative blood and have certain arterial pressure;
2. Allow to have haemorrhage and bandaging after bleeding and for amputated limbs.

Interactive Limbs Hemorrhage Emergency Care Training System

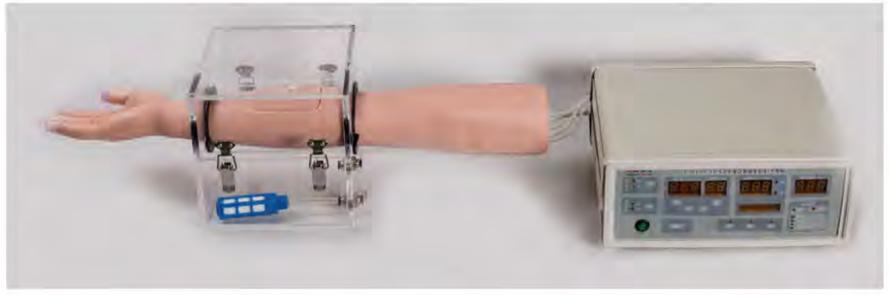
ITEM NO : **GD/J109**

ITEM NO :	Name	ICB Controlling	Software System Controlling
GD/J109-Ⅰ	Interactive upper and lower limbs hemorrhage emergency care training system (stand-alone version)	✓	
GD/J109-Ⅰ.100	Interactive upper limbs hemorrhage emergency care training system (stand-alone version)	✓	
GD/J109-Ⅰ.200	Interactive lower limbs hemorrhage emergency care training system (stand-alone version)	✓	
GD/J109-Ⅱ	Interactive upper and lower limbs hemorrhage emergency care training system (PC version)		✓
GD/J109-Ⅱ.100	Interactive upper limbs hemorrhage emergency care training system (PC version)		✓
GD/J109-Ⅱ.200	Interactive lower limbs hemorrhage emergency care training system (PC version)		✓

Bandaging and Hemostasis are one of the important measures for emergency on scene. Timely and correct bandaging can achieve hemostasis by compression, infection reduction, wounds protection, pain relief and fixation of dressings and splint. Reversely, wrong bandaging will lead to bad consequences such as haemorrhage increasing, infection exaerbation, new hurt and sequelae. The smart haemorrhage arm model developed by our company provides simulation exercise on treating arm arterial and venous bleeding for medical workers. It is an ideal product for all the medical colleges to have hemostasis and bandaging test.

Features:

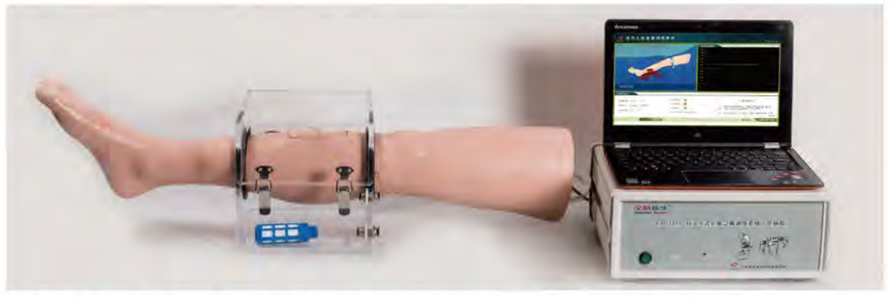
1. Simulate standard upper and lower limbs of Asian adults with accurate anatomical structure, which makes skills training more vivid;
2. Infuse simulated blood to imitate various arm traumatic bleeding conditions, freely set different environmental script and train how to make environmental evaluation and traumatic condition judgement rapidly;
3. Simulate humans to sense different hemostasis pressure and accordingly produce different effects, and the pressure changes will be synchronously shown on the monitor



GD/J109-Ⅰ.100 Interactive upper limbs hemorrhage emergency care training system (stand-alone version)

GD/J109-Ⅱ.100 Interactive upper limbs hemorrhage emergency care training system (PC version)

GD/J109-Ⅰ.200 Interactive lower limbs hemorrhage emergency care training system (stand-alone version)



GD/J109-Ⅱ.200 Interactive lower limbs hemorrhage emergency care training system (PC version)

Craniocerebral Trauma Model

ITEM NO : GD/J120

- Craniocerebral trauma includes various craniocerebral injury, fracture lesion could be palpated, including fractured skull, type I & III bilateral transverse fracture of maxilla; nasal bone fracture; bilateral jaw bone fracture; C-6 vertebrae fracture; unequal pupils; hematotympanum; trachea is offset from its original position.

Movable Interactive Trachea Cannula Model

ITEM NO : GD/J65

- Simulated human is the upper body of a male adult. There is built-in lithium battery, which could be used for outdoor training. External attachment could be connected with simulated human via wireless mode.
- External attachment could be tablet computer or computer. Scan QR code or Input the address in browser to connect simulated human, there is no need to install any apps in external equipment.
- During training mode, system will automatically score in according to the operator's behavior. During examination mode, teachers comment and score for each operation procedure. It is available to set up the grading parameter, add or delete operation steps, adjust operation orders and set up value of each step, result export.
- System could detect angle of head-back position, application status of laryngoscope, inserting depth of trachea cannula, ventilatory capacity and ventilation interval. It is also available to synchronously show dynamics oftracheal insertion, insertion position and ventilation curves of student. It is able to review the whole operationprocedure of trachea cannula via operation log, learning about the mistakes made that students made from the operation result.
- System supports training and examination of common errors during trachea cannula: if operation procedure is wrong, poor preparation of apparatus, wrong angle of head-up, inserting too deep of trachea, trachea inserts into bronchus, trachea inserts into esophagus; teeth are overstressed during intubation; laryngoscope is used for a long time; ventilation capacity, wrong ventilation interval, operation duration is too long; humanistic care is not qualified.
- If trachea cannula position is correct, it is available to observe chest rise and falls of simulated human during ventilation. Intubation position could be judged via stethoscope. If trachea cannula inserts into bronchus, unilateral chest rise and falls could be seen during ventilation.

Advanced Trauma Simulator

ITEM NO : GD/J110

Features :

1. Washing, disinfection, hemostasia, enswathement, etc.
2. Open fracture, truncation trauma

Features :

1. Facial burn: Ⅰ, Ⅱ, Ⅲ degree
2. Laceration in forehead
3. The wound in jaw
4. Opened clavicular fracture and contusion wound on the chest
5. The wound in abdomen with small intension evisceration
6. Opened humerus fracture of right upper arm
7. Opened fracture of right hand (including parenchyma laceration, fracture and bone tissue exposure)
8. Gun wound in the right palm
9. Opened fracture of right thighbone
10. Compound femur fracture of left thigh
11. Metal pricking wound in right thigh
12. Opened tibia fracture of right leg
13. Opened fracture of right foot with truncating trauma on small phalanx
14. Burns in left forearm: Ⅰ, Ⅱ, Ⅲ degree
15. Truncating trauma on left thigh
16. Closed tibia fracture of right leg and contusion wounds in left ankle and foot.

Advanced Trauma Accessories

ITEM NO : GD/J110-16

Features:

1. Facial burn: I , II and III degree
2. Laceration in forehead
3. The wound in jaw
4. Open clavicular fracture in, and contusion wound on the chest
5. Wound in abdomen with small intestine evisceration
6. Open humerus fracture of the right upper arm
7. Open fracture in the right hand (including parenchyma laceration, tissue and bone tissue exposure)

Advanced Trauma Accessories

ITEM NO : GD/J110-4

Advanced trauma accessories of limbs, interchangeable with limbs of other human body simulators.

Standard Patient for External Fixation Training Simulation in First Aid of Limb Fracture

ITEM NO : GD/J112

Features:

1. Made of imported silicone rubber material after injection molding. Can simulate trauma of head and limbs closed fracture.
2. Can help students understand fracture symptoms such as deformity, bone fricative and abnormal movements and carry out diagnosis and treatment. Can help the trainee master cleaning, disinfection, binding up, fracture reduction and fixation and handling operation of fracture trauma in practice. Has great clinical significance in surgical trauma emergency skill training.
3. Vivid fracture trauma simulation. Modular accessories can be replaced conveniently. One of ideal products for surgical trauma emergency rescue skills training.
4. Suitable for practice training in medical colleges, nursing colleges and training teaching in clinical popularization among primary level health departments.

Airway Management Model

ITEM NO : GD/J55

Features:

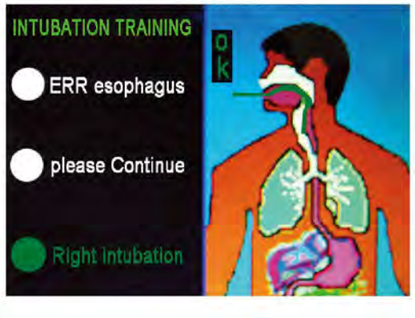
1. Anatomically accurate full sized mouth, tongue, airway, and esophagus. Perfect for placement of endotracheal tubes
2. Oral intubation
3. Oral, nasal suction
4. Soft neck with cricocartilage permits classic Sellick maneuver needed to provide a better view of the vocal cords
5. Palpate and have carotid pulse;
6. Allow to observe lungs respiratory movement and have breath sounds auscultation

Airway Management Model

ITEM NO : GD/J55+

Features:

1. The product is upgraded from GD/J55, with all the functions of GD/J55;
2. Be equipped with LCD display, electronic monitoring of different positions of tracheal intubation
3. Cricoid compression monitoring function



Airway Intubation Simulator

ITEM NO : GD/J50

Features:

1. Accurate anatomical marks
2. Oral cavity intubation
3. It allows observing the suction position from side face so as to instruct correct method of the intubation skill.
4. Wrong operation, stomach inflation or laryngoscope compressing the teeth will activate warning prompting.

Electronic Tracheal Intubation Simulator

ITEM NO : GD/J5S

Features:

1. Accurate anatomical marks
2. Oral cavity intubation
3. Wrong operation, stomach inflation or laryngoscop compressing the teeth will activate warning prompting
4. One proper pupil and another my driasis

CPR Press Plate

- To avoid some factors that affect the quality and effectiveness of CPR press.
- It can help to fix the cervical spine while operating CPR on patients with cervical injury.
- The weave on the plate prevents the patient from sliding during CPR.
- It is made of high-density polyethylene plastic, the surface is hard, one end down into a cup just to keep the patient leaning back.

Disposable CPR Training Barrier Disinfection Mask

To make artificial respiration training during CPR operation process, everyone must take one mask to prevent cross-infection of bacteria. The PVC material is made of double-layer sterile dust cloth, with saliva isolation and air filter dust performance characteristics.

AED Simulator and CPR Manikin Set

ITEM NO : GD/AED99D+

This manikin is suitable for BLS (Basic Life support) and AED (Automated External Defibrillator) training.

Features of GD/AED99D+:

1. Opening or closing the cover will turn on/off AED instrument.
2. Simulate first-aid procedure; GD/AED99D (only for training use) has not high tension shock motion.
3. Automatically check the position of electrode pad.
4. There are 9 internal scripts, simulating different conditions.
5. Simulate: touch the patient' s body when conducting AED; the position of electrode pad is wrong or right; it is need to defibrillate or not; machine has trouble; the electricity is low.
6. Electricity management function: The system automatically checks the batteries electricity. When the electricity is low, there will be sound indicating. During the interval of two times, system will enter saving power mode. If there isn' t operation in 3 minutes, system wil enter waiting mode.
7. Lithium battery

Features of half-body CPR manikin:

1. Simulate airway opening
2. External breast compression: sound prompting
3. Artificial respiration: observe the fluctuation of chest (Inhalation standard: =500/600ml-1000ml=)
4. Operation frequency: 100 times per minute (the latest international standard)
5. Operation mode: exercise mode

AED Simulator

ITEM NO : GD/AED99D

GD/AED99D consists of host, battery cassette, training used electrode patch and remote controller. It is suitable for Medical Schools, Nursing College, Occupational Health Schools and Hospital to carry out BLS training. Be familiar with BLS emergency process and steps, master AED using method.

1. Open the cover to turn on AED, close the cover to turn off AED. Single bond defibrillation operation function.
2. Simulate AED working procedures in emergency field, without high tension shock defibrillation, voice prompts during the entire process.
3. Available of English and Chinese voice prompts, volume can be adjusted
4. Built-in 9 scenes, can simulate different scenarios of emergency situation, can pause the process at any time and continue to BLS;
5. Trouble simulation functions, can be chosen via remote controller; including touch patient body, wrong patch position, do not require defibrillation, require defibrillation, machine troubles, low battery during defibrillation process;
6. Battery management function, the system will automatically check battery capacity, if the battery is low, there will be voice prompt;
7. Can be used with manikin of any factories and types.

The product can be used with manikins of any types and factories.

General Doctor®

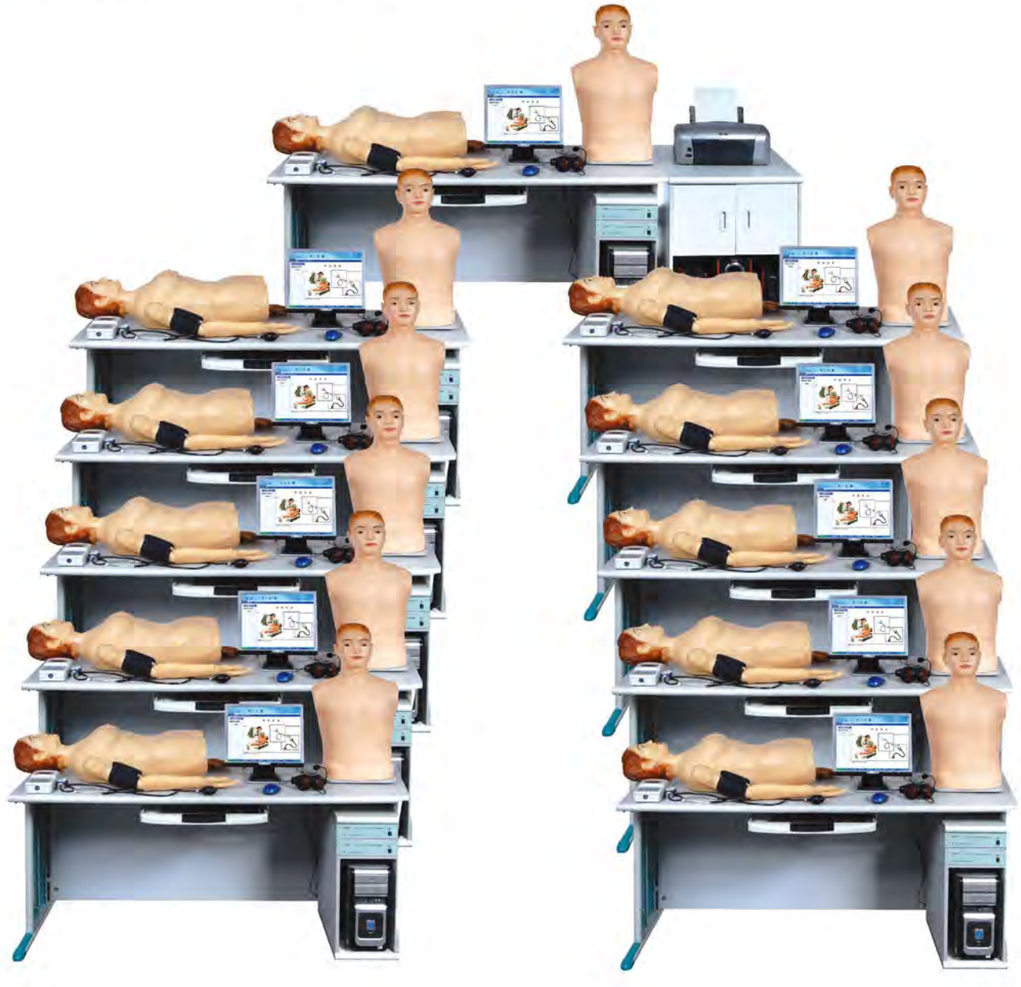
Physical Examination Training Sinulator

GD Series High Intelligent and Digital Network of Physical Diagnosis Teaching System

(Cardiopulmonary auscultation and palpation, abdominal auscultation and palpation, breast palpation and blood pressure measurement)

GD series products have been used by many famous medical schools and hundreds of hospitals. Adopted more than 200 experts and professors' valuable experience and advice, our project team have been able to redevelop GD/TCZ9600 products. The newest GD/TCZ9900 series products are developed according to the seventh edition of the latest nationwide medical colleges and universities unified textbook "Diagnostics "with the latest technology by eight experts and professors who come from the Medical College of Shanghai Fudan University, Shanghai Jiaotong University, Tongji University, the Secondary Military Medical University and other institutions. All the simulative effects and performances have been greatly improved.

The products system consists of GD/TCZ9900A, GD/TCZ9900B, GD/TCZ9900C and GD/TCZ9900D. The products include software, cardiopulmonary auscultation and palpation manikin, abdominal palpation and auscultation manikin, blood pressure measurement arm, system controller, and etc.



Features of manikin:

The body cavity is made of imported PVC material injected through stainless steel mold , simulative skin is made of imported plastic material casted by carving steel mold in high temperature, with features of anti-high temperature and low temperature(+60℃ ～ -40℃), non-deformation and invariable flexibility.

Half-body standard erect male manikin is for chest cardiopulmonary auscultation and palpation, rotatable and easy disassembly and maintenance.

The auscultation manikin adopts RFID so that cardiopneumatic sounds would not be distorted; with audio mixing technology, auscultation signs can be realistically reproduced. Three auscultation ways: voice box, ear phone and manikin.

The large half-body supine female manikin is for abdominal palpation and auscultation.

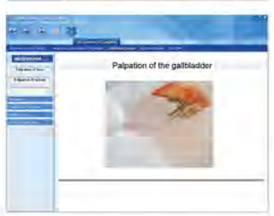
The simulated patient can display slow abdominal breathing, abdomen may intumesce when inspiration, and subside when expiration. Subphrenic organs move up and down with breathing. With tenderness and rebound tenderness, when touch the pain spot, painful crying and respiratory depression would occur.

Hard ware		Features
Chest cardio -pulnatary auscultation and palpation manikin	Heart auscultation	● Vividly reproduce nearly a hundred species, including auscultation of heart rate, cardiac rhythm, changes of heart sound, additional heart sound, murmurs, pericardial rub, heart sound conduction and rare heart disease
	Lung auscultation	● Break through the limitation of fewer auscultation parts, successfully implement whole lung auscultation, and much closer to reality; provide more than 70 kinds of respiratory sound auscultation, eg: normal respiratory sound, abnormal respiratory sound and additional sound;
	Identification of auscultation(heart)	● Integrated of 11 kinds of triple rhythm, teachers and students can choose any two kinds of heart sound to make a comparison; meanwhile it can also make comparisons for the easily confusing heart sound. Two kinds of contrasting heart sound can respectively appear on the corresponding parts of manikin to strengthen the learning effect.
	Identification of auscultation(lung)	● A dozen of respiratory sound is chosen for identification, two kinds of easily confusing sound can be heard respectively in the left and right lung of the simulated patient,
	Heart palpation	● Apical pulse and tremor

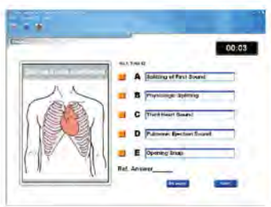
Hard ware		Features
Abdominal palpation and auscultatio n manikin	Palpation of liver	● Automatically and even abdominal breathing of manikin, different size and texture of the liver can be touched. The intumescent liver can reach to one finger, two fingers or four fingers of the subcostal. The liver texture is soft as touching lip, median as touching nasal tip and hard as touching forehead
	Palpation of spleen	● According to the palpation content, manikin would automatically show corresponding physical signs and even abdominal breathing, can touch different size of spleen. The intumescent spleen can reach to one finger, two fingers or four fingers of the subcostal. For the large spleen can touch the splenic impression
	Palpation of gallbladder	● Normal gallbladder and cystic enlargement palpation; cystic mass of the enlarged gallbladder ● For the tenderness examination, if it is positive, the manikin would have pain crying; for Murphy sign examination, the simulated patient would have pain crying and suddenly hold breathing if it is positive
	Comprehensive physical signs palpation	● Dozens of common united signs of liver, gallbladder and spleen are designed in accordance with the anatomical and pathologic physiology features of abdominal organs, to strengthen the understanding of the links of organs.
	Tenderness and rebound tenderness	● Tenderness sites: gastric ulcer, duodenal ulcer, pancreatitis, appendicitis, sigmoiditis ● Rebound tenderness: necrotizing pancreatitis and purulent appendicitis ● Simulated patient would have pain crying if the palpation is correct
	Palpation of Breast	● Identify the size and site of common benign tumor, malignant tumor, lymph follicle and lobular hyperplasia
	Auscultation of abdomen	● Support auscultation of normal bowel sound, increased bowel sound, bowel sound disappeared ● Support auscultation of vascular murmur of renal artery stenosis
	BP measurement	● The model is an adult right arm with obvious body surface signs and accurate anatomical positions, which can provide arterial blood pressure measurement by using real blood-pressure meter and auscultator ● With Korotkoff Gap sound, volume can be adjusted ● Systolic pressure, diastolic pressure and pulse frequency can be set separately; unit of BP is mmHg; LED screen display

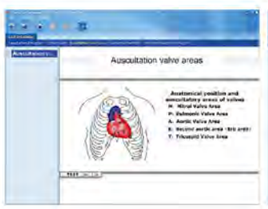
Multimedia Teaching System Software

Applying multimedia technology, the software produces more than 160 synchronous multimedia animated cartoons, more than 80 copies of video data, more than 130 pieces of phonocardiogram, respirophonograms and a large number of anatomical images and ECG, which are combined together effectively. Students can observe heartbeat and valve activity as in real patient, at the same time they can hear heart sound and respiratory sound collecting from the clinic, on the corresponding sites of the simulated patient. Realistically reproduce the anatomical characteristics of liver, spleen and gallbladder; vividly describe the key points of liver, spleen and gallbladder palpation. With pictures and text, interactive control with manikin, so that theory and practice can be closely integrated. Multimedia intelligent examination questions highlight the advanced teaching method of repeated practice and intensive training.The system is available for LAN teaching, group synchronous teaching, students self-practice and review, talkback between teacher and students; it can be connectd to video showing platform or large screen TV for group teaching.



Software	Functions	Features
Chest auscultation and palpation software	Heart	● Explain knowledge of cardiac anatomy, auscultatory valve areas, generating mechanism of heart sound, auscultation site, auscultatory characteristic and noise generating mechanism, etc ● Choose heart sound type and auscultation way ● Vividly reproduce nearly a hundred of heart sound, eg: normal heart sound, extraheart sound, pericardial friction rub, murmurs , heart sound conduction, rare heart disease, etc
	Lung auscultation	● Explain knowledge of anatomy of lungs, alveolar structure and function, generating mechanism of respiratory sound, auscultation site, auscultatory characteristic, etc ● Choose respiratory sound of different ages(adult, child and old people) ● Vividly reproduce more than 70 kinds of respiratory sound, eg: normal respiratory sound, abnormal respiratory sound, additionall sound and pleural friction rubs, etc
	Identification auscultation	● Identification auscultation of easily confusing heart sound and respiratory sound with diagrams; any two groups can be choose ;
	Mode option for heart sound auscultation	● According to the teaching need and study progress, two different auscultation conditions of monotony auscultation and cardiopulmonary mixing sound auscultation can be chosen ● Auscultator volume can be adjusted ● PA (public address) auscultation: Putting auscultator on the different parts of manikin, it would carry out PA auscultation for the corresponding heart sound and respiratory sound, which is convenient for all members' synchronous teaching
Abdominal palpation and auscultation software	Palpation of abdomen	● Explain abdominal mark, abdominal areas, abdominal palpation method, remarks of abdominal palpation
	Palpation of liver	● Elaborate anatomy of liver, body surface projection, one hand palpation and bimanual palpation, palpation mechanism, palpation method, common errors of liver palpation, palpation content and clinical significance, etc ● Master the key point of liver palpation method, normal and abnormal palpation content, brief pathogenesis and clinical characteristic;
	Palpation of spleen	● Elaborate anatomy of spleen, palpation mechanism, palpation method, key points of skills, testing of enlarged spleen, palpation content and clinical significance, etc ● Master the key points of spleen palpation, measure the three lines of splenomegaly, briefly introduce the pathogenesis and clinical characteristic;
	Palpation of gallbladder	● Elaborate the anatomical characteristic of extrahepatic bile duct, anatomy of gallbladder, palpation mechanism, palpation method, Murphy sign examination method and common mistakes, difference between Murphy sign and gallbladder tenderness, briefly introduce the pathogenesis and clinical characteristic ● Master palpation mechanism, gallbladder enlargement palpation, Murphy sign and gallbladder tenderness, clinical significance;
	Integrated physical signs	● Totally dozens of kinds, divided into hepatauxe, splenauxe, gallbladder enlarged; liver, spleen and gallbladder are all big, and with size and texture changes
	Tenderness and rebound tenderness	● Tenderness: gastric ulcer, duodenal ulcer, pancreatitis, appendicitis, sigmoiditis; ● Rebound tenderness: necrotizing pancreatitis and purulent appendicitis
	Abdominal auscultation	● Explain the generation mechanism of bowel sound and vascular murmur ● Provide auscultation of normal bowel sound, increased bowel sound, bowel sound disappeared and vascular murmur of renal artery stenosis
	Palpation of breast	● Explain the theoretical knowledge of breast palpation method, palpation content, and judgment of the result ● Distinguish the size and site of common benign tumor of the breast, malignant tumor, lymph follicle and lobular hyperplasia





Physical Diagnosis Skills Training System

(Auscultation and palpation of cardiopulmonary and abdomen, blood pressure measurement)

ITEM NO : GD/TCZ9900A

The palpation and auscultation of heart, lungs and abdomen, blood pressure measurements can be carried out on this product.

Features:

Local area network teaching, fully software-based settings, exit the teaching system, you can enter other software systems. The system provides a variety of teaching methods, including all synchronous teaching, students practice and review, teachers and students call intercom, online exam through network connection (Randomly generate exam questions or choose a teacher-generated exam), Class management, result inquiry, result print, connection to video demonstrate platform or the big screen television teaching and so on. It is easy to maintain and easy to upgrade the system. The student machine is equipped with two auscultation manikins for two students' auscultation training at the same time, which is more economical and practical.

System Configuration:

Teacher console system

1.Auscultation Simulator	1pc
2.Palpation simulator	1pc
3.Laptop	1pc
4.Software CD	1pc
5.Headphone	1pc
6.Stethoscope	1pc
7.Controller	1pc
8.Electronic blood pressure measuring instrument	1pc
9.User manual	1pc

Teacher console system

Student operation system(TTC)

1.Auscultation Simulator	2pcs
2.Palpation simulator	1pc
3.Laptop	1pc
4.Software CD	1pc
5.Headphone	2pcs
6.Stethoscope	2pcs
7.Controller	1pc
8.Electronic blood pressure measuring instrument	1pc
9.User manual	1pc

Note: Choose depend on your needs and the number of student console is unlimited.

Student operation system

Physical Examination Training Simulator

Physical Diagnosis Skills Training System

(Auscultation and palpation of cardiopulmonary and abdomen, blood pressure measurement)

ITEM NO : GD/TCZ9900B

The palpation and auscultation of heart, lungs and abdomen, blood pressure measurements can be carried out on this product.

Features:

Local area network teaching, fully software-based settings, exit the teaching system, you can enter other software systems. The system provides a variety of teaching methods, including all synchronous teaching, students practice and review, teachers and students call intercom, online exam through network connection (Randomly generate exam questions or choose a teacher-generated exam), Class management, result inquiry, result print, connection to video demonstrate platform or the big screen television teaching and so on. It is easy to maintain and easy to upgrade the system.

System Configuration:

Teacher console system

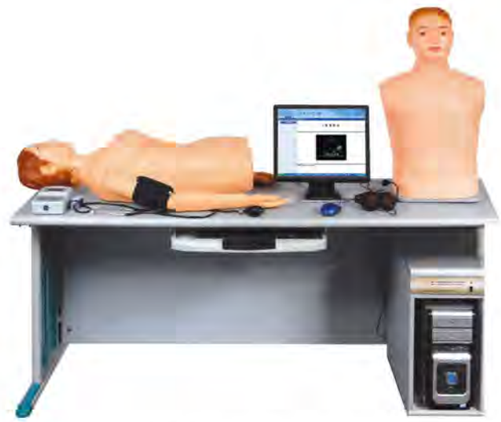
1.Auscultation Simulator	1pc
2.Palpation simulator	1pc
3.Laptop	1pc
4.Software CD	1pc
5.Headphone	1pc
6.Stethoscope	1pc
7.Controller	1pc
8.Electronic blood pressure measuring instrument	1pc
9.User manual	1pc

Teacher console system

Student operation system

1.Auscultation Simulator	1pc
2.Palpation simulator	1pc
3.Laptop	1pc
4.Software CD	1pc
5.Headphone	1pc
6.Stethoscope	1pc
7.Controller	1pc
8.Electronic blood pressure measuring instrument	1pc
9.User manual	1pc

Note: Choose depend on your needs and the number of student console is unlimited.



Student operation system

Physical Diagnosis Skills Training System

(Abdominal palpation and auscultation, blood pressure measurement)

ITEM NO : GD/TCZ9900C

The palpation and auscultation of abdomen, blood pressure measurements can be carried out on this product.

Features:

Local area network teaching, fully software-based settings, exit the teaching system, you can enter other software systems. The system provides a variety of teaching methods, including all synchronous teaching, students practice and review, teachers and students call intercom, online exam through network connection (Randomly generate exam questions or choose a teacher-generated exam), Class management, result inquiry, result print, connection to video demonstrate platform or the big screen television teaching and so on. It is easy to maintain and easy to upgrade the system.

System Configuration:

Teacher console system

1.Palpation simulator	1pc
2.Laptop	1pc
3.Software CD	1pc
4.Controller	1pc
5.Electronic blood pressure measuring instrument	1pc
6.User manual	1pc

Teacher console system

Student operation system

1.Palpation simulator	1pc
2.Laptop	1pc
3.Software CD	1pc
4.Controller	1pc
5.Electronic blood pressure measuring instrument	1pc
6.User manual	1pc

Note: Choose depend on your needs and the number of student console is unlimited.

Student operation system

Physical Diagnosis Skills Training System

(Cardiopulmonary auscultation and palpation)

ITEM NO : GD/TCZ9900D

The auscultation of heart and lungs can be carried out on this product.

Features:

Local area network teaching, fully software-based settings, exit the teaching system, you can enter other software systems. The system provides a variety of teaching methods, including all synchronous teaching, students practice and review, teachers and students call intercom, online exam through network connection (Randomly generate exam questions or choose a The auscultation of heart and lungs teacher-generated exam), Class management, result inquiry, result print, connection to video demonstrate platform or the big screen television teaching and so on. It is easy to maintain and easy to upgrade the system. The student machine is equipped with two auscultation manikins for two students' auscultation training at the same time, which is more economical and practical.

System Configuration:

Teacher console system

1.Auscultation Simulator	1pc
2.Laptop	1pc
3.Software CD	1pc
4.Headphone	1pc
5.Stethoscope	1pc
6.Controller	1pc
7.User manual	1pc

Teacher console system

Student operation system(TTC)

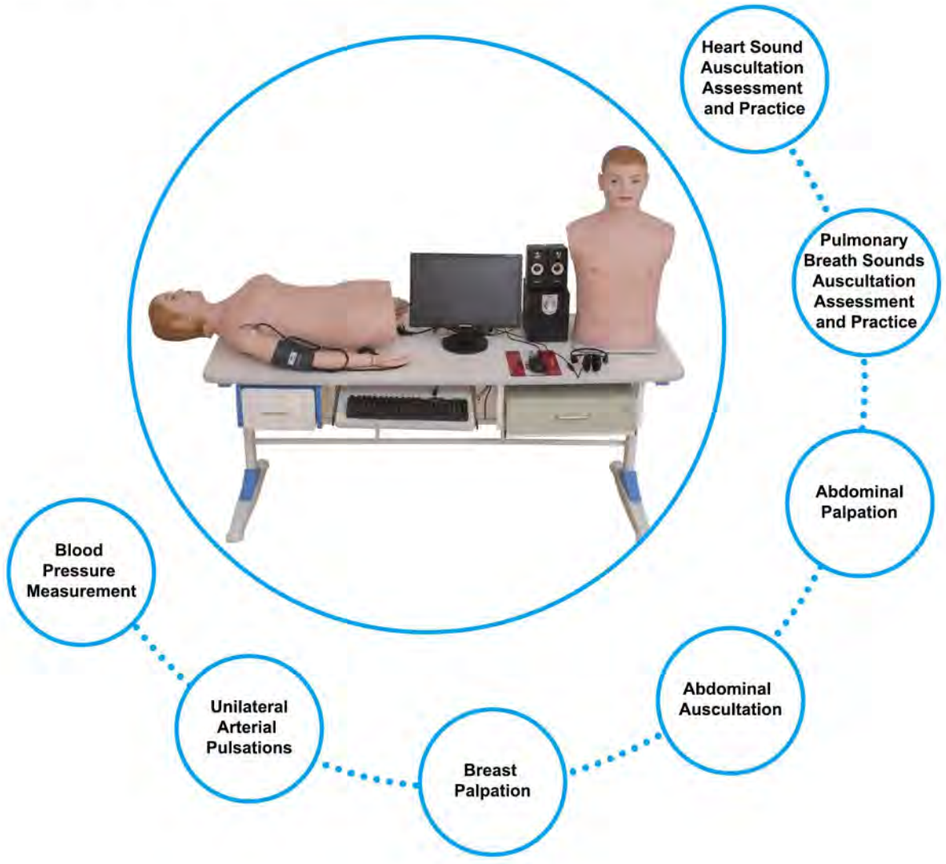
1.Auscultation Simulator	2pcs
2.Laptop	1pc
3.Software CD	1pc
4.Headphone	2pcs
5.Stethoscope	2pcs
6.Controller	1pc
7.User manual	1pc

Note: Choose depend on your needs and the number of student console is unlimited.

Student operation system

High Intelligent Digital Network Physical Examination Teaching System(Double Auscultation of Cardiopulmonary, Abdominal Palpation and Auscultation, Blood Pressure Measurement)

ITEM NO : GD/TCZ9920



- The model is made of imported PVC material through casting by stainless steel, which is light and tough. Simulated skin is made of imported plastic cement material through high temperature casting by engraved steel mold. It is high and low temperature tolerant, in-deformable and flexible.
- Abdominal respiration will display on simulated patient's abdomen. Diaphragm rises to lower abdomen when inhaling while subsiding naturally when exhaling. Sub phrenic organs go ups and downs with respiration.
- There are tenderness and rebound tenderness. The simulated human will show signs like letting out a wrenching cry when touching the pain points and respiratory depression.
- Each palpation sign shift lasts for about 30 seconds. Liver enlarges, 7 cm under the rib. It is available to show different combinations of liver, spleen and cholecystic enlargement. Lumps and nodules could be palpated.
- It is applicable for auscultation of normal bowel sounds; active bowel sounds and vascular murmur of stenosis of renal artery.

Function of abdominal palpation

1.L iver palpation; spleen palpation; cholecystic palpation; general palpation of liver, cholecyst and spleen.
2.Common disease tenderness and bound tenderness: it is available to palpate diseases tenderness of gastric ulcer, duodenal ulcer, pancreatitis, appendicitis, sigmoiditis, etc.
3.Abdominal auscultation function: it is available to conduct auscultation of normal bowel sounds; increased bowel sounds and vascular murmur of stenosis of renal artery.

Basic auscultation

1.Hear part: including heart anatomy, theoretical knowledge interpretation of auscultation valve areas and auscultation of normal sounds, extra cardiac sounds, murmurs and rare heart diseases, etc.
2.It is available to conduct auscultation identification of cardiac murmur transmission.
3.It is available to conduct cardiac sound auscultation only or mixed auscultation of cardiac and respiratory sounds which is more close to clinical operation.
4.Lungs part: including lungs anatomy, theoretical knowledge interpretation of pulmonary alveoli structures and functions and auscultation of respiratory sounds, including normal respiratory sounds, abnormal respira tory sounds, extra sounds and pleural friction sounds of adult and children.

Auscultation identification

1.Heart part: it gathers 11 kinds of triple rhythms. Lecturers and students could choose two cardiac sounds to compare, making teaching more interactive. Meanwhile, compare with other confusing cardiac sounds. There are two comparative cardiac sounds on corresponding areas, which is helpful to strengthen learning effect.
2.Lungs part: carefully select a dozen of respiratory sounds identification and illustrate with diagrams. Two confusing sounds could be auscultated on bilateral lungs of simulated patient. Comparison is more direct and the it is effective.

- Teachers could add self-prepared extra auscultation sounds in system database on the basis of teaching demands, meanwhile, adding course-ware for teaching.

- Review function: students can log in system platform to review the course contents and conduct corresponding practice.

Auscultation Unit

ITEM NO : GD/Z960

GD/Z960 series can auscultate and identify hundreds of voice, including 5types. And each type includes single version and multiuser version; and the multiuser version is available for a group of 20 persons teaching;

Item No.	Description	Features
GD/Z960	Combined Cardiopulmonary Auscultation Unit	Including: normal and abnormal heart sound, breathing sound, bowel sound and vascular murmur; for adult, child, infant or neonate, each includes more than 20 species;
GD/Z960N	Neonatal Cardiopulmonary Auscultation Unit	36 kinds of neonatal normal and abnormal heart sound, breathing sound, bowel sound and vascular sound;
GD/Z960I	Infant Cardiopulmonary Auscultation Unit	141 kinds of infant normal and abnormal heart sound, breathing sound, bowel sound and vascular sound;
GD/Z960C	Child Cardiopulmonary Auscultation Unit	152 kinds of child normal and abnormal heart sound, breathing sound, bowel sound and vascular sound;
GD/Z960A	Adult Cardiopulmonary Auscultation Unit	110 kinds of adult normal and abnormal heart sound, breathing sound, bowel sound and vascular sound;

Configuration: Auscultation unit, auscultation distributor, auscultator

Auscultation Manikin

ITEM NO : GD/Z970

GD/Z970N	Neonatal Auscultation Manikin	Offer 13 kinds of heart sounds, 9 breathing sound, 3 bowel sounds. 4 heart sound auscultation areas, 14 breathing sound auscultation areas, 2 bowel sound auscultation areas;	Neonatal auscultation manikin, auscultator, auscultation control box
GD/Z970I	Infant Auscultation Manikin	139 kind in total, among which,there are 108 heart sounds , 25 breathing sounds, 5 bowel sounds, 1 vascular murmur;	Infant auscultation manikin, auscultator, auscultation control box
GD/Z970C	Child Auscultation Manikin	153 kinds in total, among which, there are 113 heart sounds, 31 breathing sounds, 5 bowel sounds, 4 vascular murmurs;	Child auscultation manikin, auscultator, auscultation control box

Auscultation, Palpation & BP Measurement Manikin

ITEM NO : GD/Z980B

Functions:

- Abdominal palpation: liver, spleen, gallbladder palpation and 27 syndromes of liver, spleen, gallbladder. Tenderness and rebound palpation of the common diseases.
- Liver palpation: touch different sizes, texture of the liver. feel Hepatomegaly under the ribs to be 1 finger, 2 fingers or 4 fingers. Liver soft like touch lips, Medium hardness like touching the tip of the nose, hardness like touching the forehead. The palpation of normal, different hepatomegaly and different liver texture.
- Spleen palpation: simulated patient will show corresponding signs with spleen palpation content selected. It is available to palpate different levels of spleen enlargement. Mild enlarged spleen could be palpated during right arm reclining. Splenic notch could be palpated for bigger spleen.
- Cholecystic palpation: it is available to conduct palpation of normal or cystic enlargement. Simulated human will let out a cry of "ouch" when conducting cholecyst tenderness positive examination; he will let out a cry of "ouch" and suddenly holds his breath when conducting Murphy sign positive examination.
- General palpation of liver, cholecyst and spleen: general palpation of liver, cholecyst and spleen.
- Common disease tenderness and bound tenderness: it is available to palpate diseases tenderness of gastric ulcer, duodenal ulcer, pancreatitis, appendicitis, sigmoiditis, etc.
- Simulated human will let out a cry of "ouch" when touch the correct.

Breast palpation:

Differentiate and compare the sizes and positions of lumps of common benign tumor and malignanttumor, lymph gland node, lobular hyperplasia of galactophore.

Blood pressure measurement:

Its physical characteristics are obvious and anatomical position is precise, which could be used to measure blood pressure.

- In the blood pressure measuring arm, the blood pressure can be measured with a real blood pressure monitor and a stethoscope.
- It has KorotkoffGap tone and pressure values are displayed in dynamic mmHg.
- Systolic and diastolic blood pressure can be set separately.
- According to teaching requirments, systolic blood pressure, diastolic blood pressure and pulse rate values can be adjusted.
- Blood pressure settings can be accurate to 1 mmHg (1mmHG).
- The volume level can be adjusted.
- Blood pressure training device has LCD display.

Auscultation Manikin

ITEM NO : **GD/Z990**

Functions:

1. Half-body male manikin
2. Rotatable, convenient to maintenance and delivery
3. Patent technology design: resonance cavity structure principle makes cardiopulmonary sound fully save and keep tone

Functions:

1. Over 80 kind of Hi-fi auscultatory sounds
2. Auto-display auscultatory sound
3. Remote controlled auscultatory sound

Abdominal Palpation Manikin

ITEM NO : **GD/Z980A**

Functions:

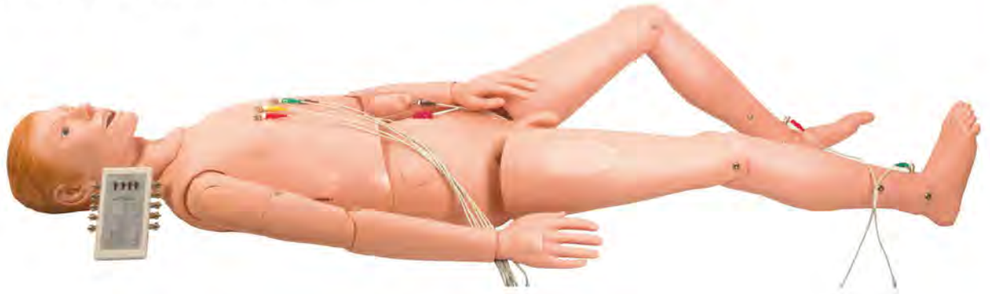
1. Remote controlled teaching
2. Elective palpation positions and experience of different symptoms
3. Palpation: liver palpation, spleen palpation, gallbladder palpation and syntheses palpation frequent disease , tenderness and rebound tenderness

ECG Simulated Manikin

ITEM NO : **GD/ZXD190**

Functions:

1. Made with high technology, flexible and elastic skin, with marks of the auscultatory site, anti-aging, anti-high temperature and low temp sturdiness and durability, adopting advanced makeup art technology to make the manikin beautiful and vivid as true person;
2. Controlled by micro-computer; a variety of normal and abnormal ECG signals are stored in the manikin; each ECG signal is showe analog-to-digital code.
3. Connect with the common ECG or ECG monitor when using, and connect the lead wire of the ECG machine to the relevant parts of limbs and chest respectively.
4. For teaching practice and assessment, operate the code button on the manikin panel and input the ECG code according to your need, then ECG waveform will be automatically described via the ECG machine and monitor.
5. Realistic waveform and adjustable heart rate .



Cardiopulmonary Auscultation Trainer（Vest）

ITEM NO : **GD/TZ9**

The model collects most common clinical pathological cardiopulmonary and normal sounds.

Functions:

1. Collected most common clinical pathological heart sounds and lung sounds.
2. Suitable for wearing, and it can be worn on the manikin or students. Teachers can choose different pathological cardiopulmonary sounds
3. by auscultation controller to help the students to diagnose by comparison.
4. Auscultation points of heart sounds & lung sounds are equipped in the front chest, back & midaxillary line, of the vest.
5. Choose different heart sounds and lung sounds by controller to process the auscultation practice.

ECG Simulated Teaching System

ITEM NO : **GD/ZXD1900**

Features:

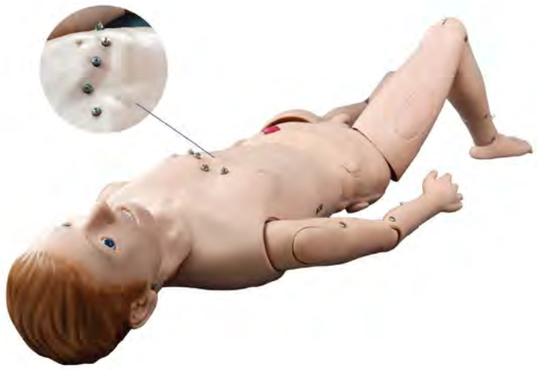
1. Basic theory teaching of ECG
2. Measuring and analysis of normal electrocardiogram
3. Common clinical ECG diagnosis , ECG characteristic, clinical analysis prompts
4. Simulate various kinds of clinical real patients' ECG
5. All students teaching function: the teaching content in the teacher's computer can be sent to all the students' computer, teacher's computer can control all the students' computers and operate all the theoretical study and manikin operation;
6. Local area network teaching, friendly interface, interactive teaching, teaching counseling, with two modes of unity teaching and free study
7. Make ECG teaching much closer to clinical practice, greatly enhance students' interest in studying and significantly improve teaching effect

System Configuration:

Hardware: ECG manikin, electrocardio lead wire

Software: LAN application software of teacher computer V1.0

LAN application software of students' computer V1.0



Medical teaching auscultation system

ITEM NO : **GD/SP60**

Features:

1. The product includes 1 SP medical stethoscope and 2 auscultation labels.
2. medical education stethoscope appearance with real medical electronic stethoscope, and with LCD screen, auscultation effect is real, the volume can be adjusted. The stethoscope has a built-in detachable lithium battery that can be charged using the micro-usb charging cable. The medical stethoscope has a total of 122 sound sources with heart, lung and abdomen.
3. The medical stethoscope includes two usage modes: SP mode and sound source list mode.
4. When using, the auscultation label can be attached to the SP body surface or the inner surface of the garment without any marks. When the stethoscope is in contact with the corresponding anatomical location, the correspond-ing case auscultation tone can be heard within the stethoscope.
5. in the SP mode, subdivided into training mode (real-time display of auscultation location and auscultation name) and test mode. In the sound source list mode, the stethoscope does not have to touch the auscultation label, and the auscultation sound in the stethoscope can be played randomly, sequentially, and cyclically.

General Doctor®

Clinical Skills Training Simulator

Advanced Comprehensive Puncture Simulator

ITEM NO : **GD/L260A**

Comprehensive puncture and percussion examination skills training are the important part of "Multimedia integrated clinical skills training laboratory system", which is the important subject of national education science "Tenth Five-Year Plan". The simulative standard patient is a young man simulator, which is prostrate, supine position, head leans to left side, with flexible and durable material and obvious signs of bones, clavicle, costal bone, intercostal space, bellybutton, articulation of pubis, anterior superior iliac spine, sternocleidomastoid muscle, crural ligament, all these tissues are in accordance with real human anatomical position and can be touched according to anatomical knowledge and find the correct needle point. The system consists of host computer and manikin.

Realistic Manikin:

1. Automatically pulse of carotid artery and femoral artery
2. Percussion: aeropleura position and extent, liver border of dullness , shifting dullness in abdomen
3. Liver puncture septic surgery operation, patient may groan;
4. Replaceable bone marrow puncture modules
5. Voice prompts for correct and wrong puncture

Convenient and flexible console:

1. Convenient to move, simple fixation and stable
2. Manikin's body position can be changed easily, supine position, sitting position, semi-sitting position and right arm reclining, etc
3. Select button on the control desk, with body contour, instruct the needle site
4. Liver puncture: can choose breath holding prompts to limit the puncture time, puncturing during the breath holding time is correct

Realistic simulation of operation process, provide 11 kinds of operation and puncture training

1. Sterile operation
2. Right internal jugular vein puncture
3. Right subclavian vein puncture
4. Right femoral vein puncture
5. Left aeropleura puncture
6. Left pleural effusion puncture
7. Liver puncture septic
8. Abdominal puncture
9. Pericardial chamber puncture
10. Intracardiac injection
11. Anterior superior iliac spine bone marrow puncture

Comprehensive Puncture Simulator (Anteverted Sitting Position)

ITEM NO : **GD/L260B**

The product is designed for improving medical workers' thoracic and lumbar puncture skills. It provides repeated practice without bring suffering to patients, to achieve the purpose of proficient and rapid completion of the operation.

Features:

1. The manikin backward sits in the armchair , arms put on the edge of the chair back, and head puts in the forearm
2. Distinct body surface symbols, can touch armpit, the seventh cervical vertebra, thoracic vertebra, bladebone, costal bone, intercostal space and lumbar
3. Thoracic puncture and lumbar puncture
4. Thoracic puncture:

- Various puncture site: the seventh to ninth intercostal puncture of infrascapular line and the fifth to sixth intercostal puncture of axillary midline;
- When needle penetrates through the partial pleura, needle resistance disappears, connect the syringe and extract the pleural effusion

5. Lumbar puncture

- Realistic simulated waist anatomical structure with skin and subcutaneous tissue
- Touch feeling as in human body when the spinal type needle penetrates into all layers of organization
- A feeling of "pop" can be felt when the puncture is correct, collect cerebrospinal fluid and measure pressure of cerebrospinal fluid in the special cases
- With a part of the lumbar spine skeleton model, help understand the structure and function of the waist
- One of the puncture modules can directly observe the anatomical characteristic of the lumbar spine skeleton and directly see the spinal type needle position
- Can realize two people on the operation of lumbar puncture
- Wireless remote control operation mode,
  English voice prompts for correct and wrong operation during the entire process.

IV Torso Simulator

ITEM NO : **GD/L69A**

Features:

1. Internal jugular artery, carotid, subclavian vein, femoral artery and vein
2. Puncture training of internal jugular vein, subclavian vein and femoral vein
3. Long cannula catheterization training
4. Simulative carotid and femoral artery pulse
5. Subclavian anatomy structure
6. Femoral anatomy structure

High-intelligent Lumbar Puncture Simulated Human

ITEM NO : **GD/L260C**

- Simulated human stays in lateral position, lumbar anatomic structure is precise, sign marker is obvious: waist and legs are movable, system could automatically simulate human to adjust to puncture or stretch position in according to clinical requests, which is applicable for lumbar puncture, epidural block, lumbar anesthesia, caudal nerve block, sacral nerve block and lumbar sympathetic nerve block.
- The product includes movable trolley, which is easily moved, maintained and storage for accessories; it could automatically inject and evacuate liquid for system; it is designed with modules, lumbar puncture module is easily replaced.
- It is divided into two modes, which are training and examination modes. During training, operator could real-time observe the needle inserting position and puncture depth; during examination, indications of needle inserting position and puncture depth will automatically conceal. After the examination, needle inserting position and puncture depth indications show again.
- It is available to simulate the real clinical situation of lumbar puncture; there is resistance when inserting to ligamentum flavum; there is no resistance when puncturing ligamentum flavum; there is negative pressure when needle inserts into cavum epidurale; simulated cerebrospinal fluid flows out when inserting to cavum subarachnoidale.
- Cavum subarachnoidale pressure could be set up as various value on the basis of tightly hold and stretching position; there is an alarming prompt when wrong puncture occurs.

Lumbar Puncture Manikin

ITEM NO : **GD/L68A.100**

- Simulated human stays in lateral position. Its waist and legs are lifelike with realistic touch. It is available to adjust the body to arcuate shape and legs are movable, which is applicable for real situation of lumbar puncture. When inserting the needle to ligamentum flavum, there is resistance while there is no resistance after penetrating ligamentum flavum. When inserting to cavum epidurale, negative pressure will appear. Simulated cerebrospinal fluid will flow out when inserting to cavum subarachnoidale.
- Applicable for: lumbar puncture, epidural block, lumbar anesthesia, caudal nerve block, sacral nerve block and lumbar sympathetic nerve block.

Central Venous Puncture Simulator

ITEM NO : **GD/L69B**

The cervicular veins are filled with red simulative blood for internal jugular vein and subclavical vein puncturing use. Squeeze bulb can simulate carotid artery pulse. With accurate anatomy, palpation is exactly the same as on a patient. Replacing of the internal tubing and skin is extremely easy.

Features:

1. Cervical anatomical landmarks are quite clear and indicate structures of the sternal notch, clavicle, right cervical ribs, sternocleidomastoid and etc.
2. Venous system in the deep part of left neck consists of common carotid artery, internal jugular vein, external jugular vein, subclavical vein and brachiocephalic vein.
3. Internal jugular vein puncture and cannulation can be exercised.
4. Subclavical vein puncture and cannulation can be exercised.
5. Carotid artery pulse can be simulated.
6. The skin and veins can be replaced and students will feel an apparent “POP” when the needle has been thrust into the vein.
7. The heart floating swan-ganz intubation can be exercised.

PICC Line

ITEM NO : **GD/L69C**

The model is suitable for central venipuncture of internal carotid vein and subclavical vein and peripheric venipuncture (arm veins) of cephalic vein. The cervical veins and arm veins can be filled with simulative blood.

Features:

1. The model is a simulative right half of adult torso with right arm. There are apparent anatomical marks: clavicle, suprasternal notch, sternocleidomastoid muscle, pectoralis major muscle, ribs and deltoid muscle.
2. Lifelike veins: superior vena cava, internal jugular vein, subclavical vein, cephalic vein, basilic vein and median cubital vein, etc.
3. With apparent anatomical marks, the model can be used to train puncture and catheterization of internal carotid vein, subclavical vein, cephalic vein and heart catheterization.
4. The skin and veins can be replaced. Students will feel an apparent “POP” when puncture needle has been thrust into the veins.
5. The heart floating swan-ganz intubation can be exercised.

PICC for Neonate

ITEM NO : **GD/L69D**

Designed according to the physiological and anatomical characteristic of neonate, made of imported plastic material, soft and elastic skin, easy to clean, and provide technology of inserting into central vein catheter via peripheral vein.

Features:

1. Transparent chest wall and made of special material, perspective effect of bilateral venous channel
2. Correct anatomical position: basilic vein, cephalic vein, jugular vein, subclavian vein and superior vena
3. Direct observation of rib and heart, measure the correct inserted length of catheter
4 Transparent part of the superior vena and visible of the ductal position in the case of correct catheterization, or the catheter is invisible;
5. Exercise of standard venous catheterization position

Venous Intervention Simulator

ITEM NO : **GD/L61**

Features:

1. Adult's upper body, realistic morphology and true texture.
2. Standard puncture position and obvious marks on body surface, easy for location.
3. vein catheterization
   * Median cubital vein, internal jugular vein and subclavian vein all allow venous puncture practice. And there's backflow of blood for proper puncture;
   * Can simulate difficult intubation;
4. Chemotherapy pump
   * Show the path and operation method of embedding chemotherapy pump internally;
   * Clearly react all the possible abnormal conditions caused by the pump in the body: chemotherapy pump incline, shifting and rolling over;
   * Available exercise on touching where to place the internal chemotherapy pump;
   * Practice in disinfection before administration and injection;
   * Equipped with three different thoracic muscle modules to simulate shallow, moderate and deep embedment of chemotherapy pump;
5. Show the path and method of subcutaneously central vein catheterization.
6. Allow operation such as medicine transfusion, fluid infusion, blood specimen collection, heparinization and nutrition supply treatment, etc.

PICC Intervention Simulator

ITEM NO : **GD/L69E**

Features:

1. Adult' s upper body made from special material, and the internal anatomical structure is distinct;
2. Transparent cyclic system: cephalic vein, basilic vein, jugular vein, subclavian vein, precava and heart; the whole process of the catheter entering precava can be seen.
3. Demonstration and practice of central and peripheral venipuncture can be done;
4. Osseous landmarks are distinct, which is good for practice in measuring the length of the intubated catheter.

Abdominocentesis Simulator

ITEM NO : **GD/L261**

Features:

1. The simulator is made from imported material of high quality with soft texture, true feeling and realistic appearance.
2. Correct anatomical location: there's clavicle, clavicular acromial end, clavicular sternal end, sternocleidomastoid clavicular head, sternocleidomastoid sterna head, rib, intercostals space, suprasternal fossa, midclavicular line, anterior axillary line, midaxillary line, anterior superior spine, iliac crest, umbilicus and inguinal ligament, which are all obviously felt.
3. Abdominal shifting dullness percussion and puncture are both available, and there's obvious "pop" feeling for successful puncture, and simulative coeliac hydrops can be extracted.

Advanced Bone Marrow Puncture Simulator

ITEM NO : **GD/L262**

Features:

1. Simulate patient in horizontal position with soft texture, true feeling and realistic appearance;
2. Correct anatomical landmarks: suprasternal notch, episternal superior border, anterior superior spine and other landmarks can all be distinctly felt, which is easy for puncture location.
3. Available puncture training in anterior superior spine and episternum, and there will be a "pop" feeling when piercing simulative marrow cavity is done and bone marrow can be extracted.

Liver Abscess Puncture Simulator

ITEM NO : **GD/L263**

Features:

1. Simulate patient in horizontal and semi-supine positions with soft texture, true feeling and realistic appearance;
2. Correct anatomical location: such as clavicle, armpit and intercostal space of all the ribs and so on, which can be obviously felt and is easy for puncture location.
3. Liver abscess puncture: find the pressure points around the liver, and there's an obvious "pop" feeling for successful puncture, and the simulative liver pus can be extracted.

Pericardial Puncture and Endocardial Injection Simulator

ITEM NO : **GD/L264**

Features:

1. Simulation model in inclining clinostatism with soft texture, true feeling and realistic appearance;
2. Accurate anatomical positions: such as sternum, xiphoid process, ribs, and intercostal space and so on, which can be obviously felt.
3. Puncture training in pericardial area and inferior to the junction of xiphoid process and the 7th costicartilage is available, and when the puncture needle enters pericardial cavity, there will be liquid with negative pressure.

Pneumothorax Simulator

ITEM NO : **GD/L66**

The model is a half torso of an adult male. With lifelike shape and realistic chest anatomy, the model provides a practical training tool for clinical teaching. It is suitable for medical college, nursing school and clinical workers to demonstrate and exercise pneumothorax treating.

Features:

1. Anatomy structure: clavicle, suprasternal notch, angle of sternum, cervical rib and spatia intercostalia.
2. Use pneumothorax needle to exercise decompression of ten sion pneumothorax.
3. The lung bag can be used repeatedly. Thrust into the vein.
4. puncture site: The second intercostals puncture of bilateral subclavian central line, the fifth intercostals of aillary line.

Pleural Drainage Simulator

ITEM NO : **GD/L67**

This manikin is an ideal teaching aid of pneumothorax decompression and closed chest drainage of hydropneumothorax.

1. Pneumothorax decompression, closed chest drainage of hydrop neumothorax and drainage tube care after operation can be practiced.
2. There are two visual windows in right thorax to show each layer of anatomical structures.
3. Pneumothorax decompression training, closed drainage of hydro pneumothorax training and thoracocentesis training in the left thorax.
4. The color, volume and viscosity of the drainage solution can be regulated.
5. The puncture cushion and drainage wounds cushion can be replaced.

Peritoneal Dialysis Simulator

ITEM NO : **GD/L64**

The simulator is designed to introduce the essentials of Continuous Ambulatory Peritoneal Dialysis (CAPD) procedures and care to patients, students, and nurses. The realistic torso offers a lifelike method to demonstrate and practice peritoneal dialysis.

Lower Extremity Adult Bone Marrow Puncture Model

ITEM NO : **GD/L65**

Features:

1. Simulate the standard adult patient, and can simulate the lateral position of the patient's right lower extremity.
2. With accurate anatomical position and obvious body surface landmarks, marks like right tibia, fibula, right knee and right ankle are obvious and touchable, which is easy for puncture positioning.
3. Can perform the operation training of puncture on right tibia tuberosity and right anterior tibial, and can feel the falling after successful puncture, then extract model fluid.
4. The Tibia bone marrow puncture assembly units are replaceable.

Lumbar Puncture Simulator

ITEM NO : **GD/L68A**

Features:

1. In order to facilitate observing the shape of lumbar, the place of the L1 and L2 is uncovered.
2. L3, L4, L5 spinous process and sacrococcyx are the functional positions for puncturing. Clear marks on these parts facilitate to skills training, including lumbar anesthesia, epidural anesthesia and caudal anesthesia.
3. The exercise process can be operated in sitting position or lateral position. thrust into the vein.

Advanced Infant Lumbar Puncture Simulator

ITEM NO : **GD/L68B**

Features:

1. Life size infant, side lying on the lamina dura bed, head bend to the chest, bend knees to the abdomen and low back bend, both hands hold knees, also can simulate sitting position
2. Accurate bone markers: obvious interspace of spinous process and posterior superior iliac spine
3. Puncture position: 3-4 lumbar intervertebral space
4. Realistic touch feeling and a characteristic of "pop" can be felt when needle penetrates into veins, outflow of simulated cerebrospinal fluid proves correct puncture position
5. With spare canalis spinalis and puncture needle

Child Bone Marrow Puncture Simulator

ITEM NO : **GD/L65A**

This product is produced to help intraosseous infusion training.
With femoral venipuncture simulator, femoral venipuncture can be simulated too.

Features:

1. There are realistic anatomy of whirbone and shinbone.
2. If intraosseous puncture is succeeded, you can feel a "pop" And liquid return can be obtained.
3. The puncture structure can be replaced. There are 10 sets of puncture bone supplied with the model.

Infant Bone Marrow Simulator

ITEM NO : **GD/L65B**

Features:

1. Provide infant legs tibia puncture operation and realistic sense of needle; there is an obvious feeling when needle penetrates into veins and outflow of simulated bone marrow
2. Recovery of pinhole on facies ossea
3 Provide four side puncture of the tibial rod

Child Femoral Vein and Femoral Artery Puncture Manikin

ITEM NO : GD/L65C

Features:

1. Pediatric femoral vein and femoral artery puncture teaching and operation training.
2. The femoral artery pulsation was simulated with rubber balloon, femoral pulse was touched at the thigh, and femoral vein position was punctured at the medial position of the pulsating position.
3. Femoral vein and femoral artery puncture, injection, blood, transfusion, blood transfusion and other trainings.

Gastroscope & ERCP Training Model

ITEM NO : GD/LV47

Features:

1.Full anatomical structure,including esophagus,cardia,gastral cavity,pylorus,superior part of duodenum,descending part of duodenum,horizontal part of duodenum and ascending part of duodenum,etc.
2.Gastroscopic images are clear,accurate and highly realistic
3.Offer multiple lesion of common gastrointestinal tract.
4.Available exercise on instrumental operation such as esophagoscope,gastroscope and duodenoscope,etc.
5.Available exercise on ERCP operation

Bronchial Endoscope Training Model

ITEM NO : GD/LV48

1.The model shows the upper half body of adult with realistic morphology and true feeling.
2.Nasal cavity is roomy and soft;trachea and bronchial tree are of elasticity and suppleness,which extremely decreases the possibility of instrumental injury
3.Available hyposokinesis and swing to the left and to the right,which is easy to put the body position for operation.
4.If incorrect operation leads excessive pressure on the teech,there will be voice prompt with alarm
5.Put a stethoscope in lung auscultation area to fix the position of duct.
6.Fiberoptic bronchoscopy
7.Rigid bronchoscopy
8.Optic fiberscope guide to nasal cavity
9.Tracheal intubation via mouth

Knee Arthroscopy Model

ITEM NO : GD/LV75

Features:

1.The model shows adult's knee including skin,muscle,femur,tibia,fibula,patella,fat pad of patella,anterior cruciate ligament(ACL)and posterior cruciate ligament(PCL),medial meniscus and lateral meniscus,and complete knee joint cavity.
2.Fimly mounted on the table.
3.Support various arthroscopic operation exercise
4.The model can be disassembled to make explanation for knee joint function.9.Tracheal intubation via mouth

Wrist Arthroscopy Model

ITEM NO : GD/LV76

Features:

The model shows right palm including skin, muscle, radius, ulna, carpal, wrist articular disc and intraarticular ligament.

1. Support arthroscopic operation exercise of various surgical methods; two paths: dorsal face of radius and dorsal face of ulna.
2. All kinds of injured wrist models:
   *oval injury *radial laceration injury
   *central injury *total injury
3. Removable model and replaceable ligament can be used for explanation of wrist function.

Shoulder Arthroscopy Model

ITEM NO : GD/LV77

Features:

The model shows right shoulder joint including skin, shoulder rotator muscle group and muscle tendon, etc. And it has articular capsule enclosed with complete ligaments.

1. Support arthroscopic operation exercise of various surgical methods, and available operating position:
1). shoulder joint
2). Bicipital muscle of arm
2. The model can be disassembled to make explanation of shoulder joint function.

Ankle Injection Simulator

ITEM NO : GD/L78

Features:

1. With features of foot and ankle anatomical structure .Obvious marks on body surface for positioning in palpation training.
2. Injection training practice can be done in soft tissues of different foot and ankle parts or in articular cavity.
3. Control box with intelligent evaluation system, and the indicator lights will display correspondingly when operating correctly or injuring nerves.

Wrist Injection Simulator

ITEM NO : GD/L79

Features:

1.With features of hand and wrist anatomical structure .Obvious marks on body surface for positioning in palpation training.
2.Injection training practice can be done in tendon sheath of different hand and wrist parts or in articular cavity.
3.Control box with intelligent evaluation system, and the indicator lights will display correspondingly when operating correctly or injuring nerves.

Electronic Shoulder Joint Intracavitary Injection Simulator

ITEM NO : **GD/L70**

Features:

1. Standard anatomical structure, scapula, clavicle, humerus, deltoid, biceps muscle of arm and important ligament of shoulder joint, train palpation technology of shoulder puncture positioning
2. Standard position study for puncture and injection
3. Six different parts for puncture and injection
   1) Cavity of shoulder joint(anterior aspect)
   2) Cavity of shoulder joint(rear aspect)
   3) Subacromial bursitis
   4) Acromioclavicular joint
   5) Mecistocephalic tendinous sheath of biceps muscle of arm
   6) Suprascapular nerve block
4. Intelligent evaluation system: The green light on the control box will indicate correct puncture site.
5. Skin surface can be washed by subs

Electronic Elbow Joint Intracavitary Injection Simulator

ITEM NO : **GD/L71**

Features:

1. Standard anatomical structure with internal condyle of humerus, external condyle of humerus, cubital nerve, ulna, radial bone and cavity of elbow joint
2. Therapy site of golf elbow and tennis elbow
3. Right arm elbow bend and can rotate along a fixed axis
4. Yellow light indicates correct pressure pain point, green light on the control box indicates correct puncture site, red light indicates wrong puncture site when the needle inserts into the cubital nerve of the rear internal condyle of humerus
5. Used for therapy training of soft tissue intra-articular injection for elbow injury and inflammation

Electronic Knee Joint Intracavitary Injection Simulator

ITEM NO : **GD/L72**

Made of imported polymer materials, clear layers of skin and muscle, with integrated knee anatomical structure, and manifest body surface symbols

Features:

1. Can puncture repeatedly, standard puncture sites facilitate to acupuncture and there is realistic feeling when needle inserts into veins
2. A single valve can inject simulated liquid of bursa mucosa into bursa mucosa repeatedly
3. Automatic sealing of bursa mucosa
4. Skin surface can be cleaned by suds

Advanced Rectal Touch Examination Simulator

ITEM NO : **GD/LV39**

Digital rectal examination is the most necessary and simple examination method for BPH and rectal neoplasms. The model features clear anatomy structure of anus, rectum and prostate, vivid appearance, realistic touch feeling, easy replacement of prostate and rectum connection parts.

Features:

1. Prostate palpation:
   1. Normal prostate: chestnuts size, can touch sulcus of prostate;
   2. BPH: I degree of hyperplasia, egg size, shallow of sulcus of prostate;
   3. BPH: II degree of prostatic hyperplasia, duck egg size, absent of sulcus of prostate;
   4. BPH: III degree of prostatic hyperplasia, severe prostatic enlargement, regular surface and hard texture, goose' egg size, cannot touch the bottom of the prostate;
2. Rectum palpation:
   1. Normal rectum
   2. Rectum polyps: Most is solitary, with peduncular polyp;
   3. Early rectum cancer: Palpable of tumor nodules on rectal wall surface, hard texture;
   4. advanced rectum cancer: Little big tumor nodules are palpable on rectal wall surface, with uneven surface, hard texture, the late development stage of rectum cancer;

Prostate Examination Simulator

ITEM NO : **GD/L63**

Features:

Basing on different degrees of prostate carcinoma, we design four interchangeable prostates:

1. Benign, slightly enlarged, but normal prostate gland simulates benign stage.
2. Prostate with two discreet, hard nodules (one is at left lobe; the other is at right lobe) simulate beginning stage.
3. Prostate with easily palpable large mass simulate intermediate stage. The small nodule has increased in size and has become an external hard mass on the surface of the gland.
4. Prostate with malignant invasive cancer simulate terminal stage. This gland is totally replaced with carcinoma. The entire gland will feel hard and irregular.

Testis Examination Model

ITEM NO : GD/L59

Features:

Of realistic appearance and authentic feeling;

1. Available exercise on palpation of testicular cancer;
2. Demonstrate goitre lesion of different developmental stages.

Pitting Edema Model

ITEM NO : GD/LV25

Features:

■ The depressed edema model allows students to practice repeatedly.

■ When inspecting, use your fingers to press on the area skin such as the malleolus medialis and the anterior tibial area. If there is a depression, it is a depressed edema or dominant edema. After the finger is released, the depression will take a few seconds to resolve. This product is one of the most important ways for students to train clinical examination to diagnose edema.

■ Common causes of the depressed edema :

(1) cardiogenic edema;

(2) renal edema;

(3) toxic edema in pregnancy, etc.

Advanced Surgical Suture Arm

ITEM NO : GD/LV1

Features:

1. With features of lifelike shape and realistic touch, the model suitable for cutting and suturing exercise.
2. With wonderful elasticity and flexility of skin, each models can be used for hundreds of times.
3. Be equipped with incision and suture instrument, suture needle and lines .

Advanced Surgical Suture Leg

ITEM NO : GD/LV2

Features:

1. With features of lifelike shape and realistic touch, the model suitable for cutting and suturing exercise.
2. With wonderful elasticity and flexility of skin, each model can be used for hundreds of times.
3. Be equipped with incision and suture instrument, suture needle and lines .

Advanced Suture Training Kit

ITEM NO : GD/LV3

Features:

1. Combined special surgical suture training module and matching tool kit, the model is the best tool for beginners to improve their surgical suture skill.
2. With wonderful elasticity and flexility of skin, each model can be used for hundreds of times.
3. The modules can be replaced.
4. There are one instruction disc and one set of surgical instruments in the kit.
5. The model provides a practical tool for suturing training of clinical surgery and is one of the most common teaching tools.

GD/LV3-1
Suture Training Piece

GD/LV3-2
Suture Training Piece (Wearable)

Local Anesthesia Training Kit

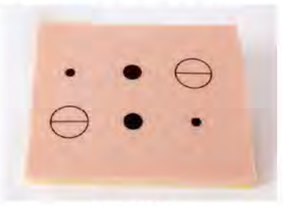
ITEM NO : GD/LV4

Features:

Provide a skin anesthesia training piece and a ring infiltration anesthesia training piece.

GD/LV4-1 Three kinds of surface markers represent various minor operation areas.

GD/LV4-2 Ring configuration is suitable for local anaethsia of finger and toe.



GD/LV4-1

GD/LV4-2

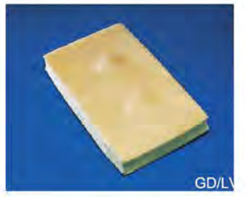
Multi-functional Minor Operation Kit

ITEM NO : GD/LV5

Features:

1. Three kinds of skin modules: sebaceous gland resection module, lipoma resection module and common skin diseases management module.
2. Each module consists of three pathological changes: skin tag, nevus and seborrheic keratosis.
3. And these pathological changes can be resected.

GD/L



GD/L

GD/L

Nails Extracting Training Kit

ITEM NO : **GD/LV6**

Features:

Provide one stand and three finger tips.
The finger tips can be replaced.

GD/LV6-1 Nails Extracting
Training Pieces

Intestinal Anastomosis Simulator

ITEM NO : **GD/LV7**

Features:

1. Two types: 30mm and 20mm diameter.
2. With serous layer and mucous layer, the intestinal canal can be used to exercise all kinds of anastomosis

Superficial Knotting Training Simulator

ITEM NO : **GD/LV61**

Features:

1. The model is economical and durable with some simulated vessels whose tension is adjustable.
2. Superficial knotting training and assessment can be performed.
3. Open space makes it possible for teacher to judge objectively whether the operation is correct or not.

Vessels Ligation Simulator

ITEM NO : **GD/LV60**

Features:

1. The simulator is economical and durable,and the skin module features clear layering and tissue tension of real skin.
2. Used for training and assessment of vessels separation, abscission and ligation.

Tendon Repair Training Model

ITEM NO : **GD/LV62**

Features:

1.The model is a multi-fold enlarged finger showing the stratified flexor tendon.

2.The model can be bent at any angle.

3.A non-slip suture fixed base can facilitate the suture of the flexor tendon, tendon edge correction, subcutaneous suture tendon and other exercises

Advanced Ear Irrigation Simulator

ITEM NO : **GD/LV40**

Features:

1. The model can be used to wash the ear canal, and to avoid the danger of flushing the patients directly.
2. The model can be firmly fixed on the desktop, easy to use.

Surgical Knotting Training Simulator

ITEM NO : **GD/LV8**

Features:

1. The material is transparent plexiglass. So instruction and training can be observed directly.
2. Almost all kinds of surgical knotting methods can be performed on this model.
3. Simulative veins can be replaced.

Vascular Ligation Hemostasis Kit

ITEM NO : **GD/LV8-1**

Features:

The product is constructed with skin and subcutaneous tissue, with clear layer, realistic tissue tension and elasticity. It can perform skin incision, angiodiastasis, knotting, ligation, stop bleeding, trimming, suture, taking out stitches, etc. Each model comes with coarse and fine blood vessels for repeated angiodiastasis, ligation and stop bleeding practice. Each module can be replaced after damaged. It is the best practice way for beginners to improve surgical suturing skills.

Multifunction Electronic Knotting Training Simulator

ITEM NO : **GD/LV8-2**

Features:

1. Unique knotting training design, made from transparent materials, and three different types of cylinders constitute various knotting training spaces;
2. Unique magnetic force system to imitate different tissue tension;
3. The simulated blood vessel filled with simulative blood is of high resilience, and strong sense of reality while operation and it is easy for replacement;
4. Special groove setting, which is easy to install, replace and carry about;
5. Available to practise knotting methods: knotting with single hand, knotting with both hands, knotting with instruments;
6. Available to practise knot types: single knot, square knot, triple knot and surgical knot, and identification false knot, slip knot;
7. Allow to simulate multiple knotting conditions: knotting in surgical small incision, knotting in deep abdominal cavity and pelvic cavity and angularly knotting in deep large incision, etc.

Deep-tension Knotting Training Simulator

ITEM NO : **GD/LV8-3**

Features:

Unique knotting training design, and five different types of cylinders constitute various knotting training spaces.

1. Available to practise knotting methods: knotting with single hand, knotting with both hands, knotting with instruments;
2. Available to practise knot types: single knot, square knot, triple knot and surgical knot, and identification false knot, slip knot;
3. Allow to simulate multiple knotting conditions: knotting in surgical small incision, knotting in deep abdominal cavity and pelvic cavity and angularly knotting in deep large incision, etc.

Deep Tension Knotting Trainer (With Base)

ITEM NO : **GD/LV8-3+**

Features:

1. Made by transparency organic glass.
2. Various knotting training spaces formed by 5 different types of cylinder.
3. Can practice multiple methods of knotting, such as single-hand knot, two-hand knot, instrument knot and so on.
4. Can practice various types of knotting, such as single knot, square knot, triple knot or surgical knot, as well as distinguish fake knot and slip knot.
5. Simulate various knot scenes with 5 different types of cylinder, such as in abdominal cavity or in deep of pelvic cavity, and there is angle knot in deep of big cut and knot in surgical small cut.
6. The simulated vessel is realistic and flexible, can practice the vessel ligation and stich cutting operation.

New Knotting Training Simulator

ITEM NO : **GD/LV8-4**

Main Features:

1. Made from transparent materials, and different types of cylinders constitute various knotting training spaces;
2. Unique installation method design makes it easyly to replace cylinders and save spaces effectively;
3. Methods available to practise knotting: knotting with single hand, knotting with both hands, knotting with instruments;
4. Methods available to practise knotting: single knot, square knot, triple knot and surgical knot, and identification false knot, slip knot;
5. Allow to simulate multiple knotting conditions: knotting in surgical small incision, knotting in deep abdominal cavity and pelvic cavity and angularly knotting in deep large incision, etc.

Electronic Deep Knotting Simulator

ITEM NO : **GD/LV8-5**

Main functions:

1. Unique knotting training design, made from transparent materials, and two different types of cylinders constitute various knotting training spaces;
2. Unique tension system to imitate different tissue tension, and equipped with warning system;
3. The simulated blood vessel filled with simulative blood is of high resilience, and strong sense of reality while operation and it is easy for replacement;
4. Allow to simulate multiple knotting conditions and practise different knotting methods.

Comprehensive Surgical Training Kit

ITEM NO : **GD/LV9**

The model provides trainings of incision, suturing and ligaturing of skin, blood vessel, intestinal canal and deep tissue

Features:

1. Skin module- surgical incision, suturing, ligaturing, ligature cutting and dermal suture out of skin
2. Intestinal canal module- two types of 20mm and 30mm diameter, practice ring clamp, discussion, anastomosis, ligaturing and cutting of intestinal canal
3. Blood vessel module- practice ring clamp, cutting and ligaturing of blood vessel
4. Deep ligature module- practice deep ligaturing in the narrow space
5. Small size, portable, replaceable modules

Vein Incision Kit

ITEM NO : **GD/LV9-1**

Features:

The model is constructed with simulative leg model and great saphenous vein incision model, consisted of skin and subcutaneous tissue with clear layer, realistic tissue tension and elasticity. The leg model is made of imported PVC material, with its skin made of flexible silicone material and internal filled with foam. There is a 14.4x3.9cm groove above the medial malleolus of leg model to place great saphenous vein incision module, with its internal embedded simulative blood vessel which simulate great saphenous vein running design. The module blood vessels can be easily replaced. The model is one of the most commonly used teaching aids for clinical great saphenous vein incision operation.

Comprehensive Surgery Skills Training Kit

ITEM NO : **GD/LV10**

Features:

1. Suture training modules 10sets
2. Intestinal canal (30mm; 20mm) 5 pieces of each
3. Vessels 10 pieces
4. Surgical knotting training model 1set
5. Adult suture leg 1set
6. Adult suture arm 1set
7. Suture instruments 2sets
8. Instruction CD
9. scalpel, suture needle 2 sets of each
10. Portable aluminum box 1 box

Surgical Suturing and Bandaging Display Simulator

ITEM NO : GD/LV18

The simulator provides commonly used surgical incisions, which simulate all kinds of female thoracic and abdominal incisions, tube drains and amputation stump. Students can practice wounds treatments of washing, disinfecting, changing dressing, bandaging and etc. The skin is dry, soft and flexible, allowing the bandages to adhere better.

Features:

1. Thyroidectomy
2. Mid-sternal split - with two chests tube drains
3. Right mastectomy - with simulated drain
4. Right cholecystectomyn - with simulated T-tube
5. Laparotomy
6. Appendectomy
7. Left colostomy
8. Right ileostomy
9. Abdominal Hysterectomy (transverse incision)
10. Left nephrectomy (thoraco-abdominal incision)
11. Right nephrectomy (oblique incision)
12. Laminectomy
13. Sacral decubitus ulcer - stage 2
14. Right thigh amputation stump
15. Bromidrosis surgery incision of right underarm (transverse suture)
16. Incision of gathered breast (radial pattern or arc incision)
17. Catheter drainage of pneumothorax
18. Suprapublic cystostomy
19. Excision of indirect inguinal hernia
20. Incision of femoral artery punction

Head Model for Debridement and Suturing Training

ITEM NO : GD/LV18B

Features:

1. It is made of imported PVC plastic material by casting techniques through mould, which is durable.
2. It is lifelike with rational structures.
3. Regular local cleaning and disinfection is good for practice and improvement of students' operation skills.
4. It is available to conduct wound suture operation practice after debridement. (Suture instruments shall be self-provides).
5. Once the debridement and suture is conducted properly, which is good for the improvement of surgery success ratio while decrease the complications of surgery.

Preoperative Aseptic Operation Training Simulator

ITEM NO : GD/LV19A

With good flexibility, elasticity and lifelike texture, the model provides a good training aid for aseptic skill.
The model can be used repeatedly.

Features:

1. Disinfection skill training
2. Abdominal wall anatomy: skin, subcutaneous tissue, abdominal muscle and peritoneal membrane.

Model for Preoperative Aseptic Manipulation (Full Length)

ITEM NO : GD/LV19B

Features:

1.It is made of silicone.It is firm,durable and not deform after cleaning and disinfection.

2.Standard simulated full-length body. Body surface symbol is precise. Its appearance is lifelike.

3.The skin is soft and flexible, which texture is lifelike. It supports disinfection and draping operation training.

4.The best practice method and environment to improve basic surgery operation skills.

Abdominal Cutting & Suturing Kit

ITEM NO : GD/LV20

With good flexibility, elasticity and lifelike texture, the model provides a good training aid for abdominal cutting and suturing skill. It can be used repeatedly and replaced when damaged.

Features:

1. Abdominal cutting and suturing training
2. Abdominal wall anatomy: skin, subcutaneous tissue, abdominal muscle and peritoneal membrane. The abdominal wall pad can be used repeatedly.
3. Inflate the balloon in peritoneal cavity and the abdominal wall will be under tension. The aim for the trainee is to enter the peritoneal cavity and close it again without bursting the balloon.
   The purpose is to prevent the trainee from injuring the bowels when opening and closing the belly.

Ophthalmic Suture Practice Model

ITEM NO : GD/LV20B

Features:

1. It is made of imported PVC plastic material through casting by mould, which is durable.
2. It is lifelike and easy to operate; which structure is reasonable.
3. It supports operation practice like regular local cleaning and disinfection and wound suture after debridement (suture instruments shall be self-provided by clients).
4. Practice of ophthalmic suture could improve suture skills and decrease the risk of surgery complications.

Advanced Liver and Lung Tumor Radiofrequency Ablation Model (Female)

ITEM NO : GD/LV191

Features:

1. Liver tumor radiofrequency ablation function:
   This model can perform the operation training of silicone prosthesis liver tumor radiofrequency ablation under the guide of CT or MRI.
   This model has the body structure of female, with accurate anatomical position and having the anatomical characteristics of breast and abdomen. Standardly simulate the irregular wedge-shape of the liver, with the falciform ligament on diaphragmatic surface that separates the liver into left and right lobe. There are totally 5 tumor-like samples in the liver, 2 left lobes and 3 right lobes, to make it convenient for radiofrequency ablation.
2. Lung tumor radiofrequency ablation function:
   This model has the body structure of female, having the anatomical characteristics of lung structure on both sides of the breast, and can perform the operation training of lung tumor radiofrequency ablation. There are 4 silicone prosthesis tumors in each lobe of lung, and 8 silicone prosthesis tumors in total.

Under the guide of CT or MRI, simulate the supine position of the patient, insert the radiofrequency needle into silicone prosthesis tumor through the skin, microelectrodes on the needle point spread in shape of the umbrella and distribute radiofrequency current to make charged particles in surrounding tissues to shake in high speed and generate heat by friction, and then result in the coagulation necrosis of cells around the electrode.

Advanced Liver and Lung Tumor Radiofrequency Ablation Model (Male)

ITEM NO : GD/LV190

Features:

1. Liver tumor radiofrequency ablation function:
   This model can perform the operation under the guide of CT or MRI, the position of liver is obvious in CT or MRI, the silicone prosthesis liver tumors at the left and right lobe of liver can be located correctly, facilitate the performance of radiofrequency ablation. This model has the body structure of male, having the anatomical characteristics of breast and abdomen. Standardly simulate the irregular wedge-shape of the liver, with the falciform ligament on diaphragmatic surface that separates the liver into left and right lobe. There are totally 5 tumor-like samples in the liver, 2 left lobes and 3 right lobes, and can perform the silicone prosthesis liver tumor radiofrequency ablation
2. Lung tumor radiofrequency ablation function:
   This model has the body structure of male, having the anatomical characteristics of lung structure on both sides of the breast, and can perform the operation training of lung tumor radiofrequency ablation.

The model has perfect structure of 2 lungs in the thorax under skin, with accurate anatomical position and complete structure of 2 lungs in the thorax. There are 4 silicone prosthesis tumors in each lobe of lung, and 8 silicone prosthesis tumors in total.

Under the guide of CT or MRI, simulate the supine position of the patient, insert the radiofrequency needle into silicone prosthesis tumor through the skin, microelectrodes on the needle point spread in shape of the umbrella and distribute radiofrequency current to make charged particles in surrounding tissues to shake in high speed and generate heat by friction, and then result in the coagulation necrosis of cells around the electrode.

Training Model for Anastomosis of Bowel

ITEM NO : GD/LV21

Features:

1.It provides a simulated abdomen model with a little part of small intestine which diameter is 30mm.It simulates intestinal stratification structure,which has accidental membrane,muscular layer and mucous layer.

2.It is available to conduct the training of anastomosis of bowel.It is applicable for practice of various intestinal canal surgery.

3.Simulated intestinal canal is equipped with stuctures like caul,intestine and simulated blood vessels.

Advanced Trochar Training Simulator

ITEM NO : GD/LV11

Features:

1. Be used for insertion and puncture exercise of abdominal wall trochar
2. Obvious anatomical layer, elastic skin and realistic touch feeling; realistic resistance feeling can be felt as needle penetrate into the skin, and characteristic of "pop" can be felt when needle has been penetrated into the skin
3. Observe the whole insertion process of trochar through the transparent base
4. Insertion with various types of trochar

Advanced Low-set Bandaging Simulator

ITEM NO : GD/LV12

Features:

1. Simulate leg amputation patients, right leg cut off below the knee, left leg cut off in the middle of thigh
2. Convenient and reasonable model design, bandages can bypass the buttocks and wrap to the ridge level of the iliac
3. Circular bandage, spiral bandage, serpiginous bandage,figure of eight bandage
4. Demonstrate the fixing method of the two broken end after wrapping the bandage
5. One piece of bandage and one piece of sling

Advanced Bandaging Model of Superior Position

ITEM NO : GD/LV13

The model is made of special material, which is soft and elastic.

Features:

1. Simulate and neck, chest and upper limb amputation patient, right arm cut off from the wrist, left hand cut off from the elbow
2. Provide many kinds of bandaging method: circular bandage, spiral bandage, serpiginous bandage, figure of eight bandage, capelineban-dage, masklike bandage, monocular bandage
3. Demonstrate the fixing method of the two broken end after wrapping the bandage
4. Keep arms a litle external rotation to facilitate the bandaging5. One piece of bandage and one piece of sling

Advanced Ocular Inspection Simulator of Retinopathy

ITEM NO : GD/LV14

Replacement of different eyeground diseases, slide simulates common clinical oculopathy, including:

Features:

1. normal retina
2. senile retinal macular degeneration (left side)
3. central retinal vein obstruction (occlusion) (left side)
4. Hypertensive retinopathy(Retinal exudation, hemorrhage)(right side)
5. Severe ocular contusion(Secondary macular degeneration, atrophy, Disc color (right side)
6. edema of optic disk (Optic head edema) (right side)
7. Optic disc depression (right side)
8. optic atrophy (Optic disc pale, the border is still clear) (right side)
9. Leukemia retinopathy(Preretinalhemorrhage)(right side)
10. Diabetic retinopathy simplex
Ⅰ. Hemangiomas appear and small bleeding points(right side)
11. Diabetic retinopathy simplex
Ⅱ. A large number of yellow-white hard exudate and bleeding spots(right side)
12. Diabetic retinopathy simplex
Ⅲ. Catton-wool spot and bleeding spots(right side)
13. Proliferative diabetic retinopathy
Ⅳ. Appears vitreous hemorrhage or new vessels (right side)
14. Proliferative diabetic retinopathy
Ⅴ. New vessels and fiber proliferation(right side)
15. Proliferative diabetic retinopathy
Ⅵ. New vessels and fibrovascular retinal detachment
(right side)

- Realistic affection, easy to replace and operate
- In favor of repeated contrast observation
- Provides 15 kinds of retinopathy accessories

Mobile Interactive Intraocular Pressure Measurement Model

ITEM NO : GD/LV15

Features:

1.The product is applicable for training and examination of intraocular pressure measurement with Schiotz ophthalmotonometer. It supports trainings of intraocular pressure measurement techniques, measåurement weight changes and meter inspection skills.
2.It is able to wirelessly connect the model via QR code scanning through mobile terminal. No need to install any software on mobile terminal which could be mobile and tablet. It supports both ISO or Android platform. Users could separately set up left and right intraocular pressure via mobile terminal, intraocular pressure ranges from 0 to 128mmHg, set the precision as 1mmHg.
3.There is built-in lithium battery, which is applicable for training and examination of outdoor intraocular pressure measurement.

Advanced Ear Examination Model (25 Lesions)

ITEM NO : GD/LV16-2

Features:

1. It is made of imported thermoplastic elastomer plastic material, which is durable.
2. External auricle, external auditory canal, eardrum and so on are similar to human anatomic structure. It is lifelike and easy to operate.
3. It is available to examine through otoscope.
4. The product provides normal eardrum parts and ones with lesions (otoscope 25 lesions)
   1) Normal membrane
   2) Membrane congestion
   3) Otopiesis
   4) Mild membrane perforation
   5) Severe membrane perforation
   6) Traumatic perforation of membrane
   7) Early hyperemia of acute otitis media
   8) Exudate of acute otitis media
   9) Grommet insertion
   10) Otitis media suppurativa
   11) Eardrum sclerosis and tympanosclerosis
   12) Tympanosclerosis and crescent sclerosis
   13) Cholesteatoma
   14) Exostosis
   15) Central perforation of tympanic membrane
   16) Traumatic perforation of tympanic membrane
   17) Severe perforation of tympanic membrane
   18) Complete perforation of tympanic membrane
   19) Cholesteatoma in the rear of tympanum
   20) Attic cholesteatoma associated with bone destruction
   21) Cystiform tympanic cholesteatoma behind the malleus
   22) Attic cholesteatoma associated with bone destruction. Complete tympanosclerosis
   23) Attic mesotympanum is destructed, epithelials of cholesteatoma can be seen.
   24) Cholesteatoma pocket reaches external auditory canal in attic area
   25) Cholesterol granuloma accompanied by inflammatory polyp generating, leading to membrane evagination

Advance Ear Inspection Simulator (14 Lesions)

ITEM NO : GD/LV16-1

Simulation of right ear, standard intra-aural examination site

Features:

1. Accurate anatomical structure of auricle, external auditory canal, tympanic membrane
2. Ear lesion examination via otoscope
3. Provide 14 kinds of ear lesion components for conveniently replacing
4. Include:
   1) Normal membrane
   2) Membrane congestion
   3) Otopiesis
   4) Mild membrane perforation
   5) Severe membrane perforation
   6) Traumatic perforation of membrane
   7) Early hyperemia of acute otitis media
   8) Exudate of acute otitis media
   9) Grommet insertion
   10) Otitis media suppurativa
   11) Eardrum sclerosis and tympanosclerosis
   12) Tympanosclerosis and crescent sclerosis
   13) Cholesteatoma
   14) Exostosis

Lacrimal Irrigation Model

ITEM NO : GD/LV31

The lacrimal irrigation model is designed to help clinical staff and teachers teach, and to familiarize themselves with the lacrimal irrigation operation. The product is a male upper body model, made of polymer materials, environmentally friendly and non-polluting. The skin is soft, has tension and elasticity, and feels real. The lacrimal anatomy is accurate and can simulate normal lacrimal irrigation operations, training and assessment. It is suitable for teaching and trianing in higher medical colleges, nursing colleges, vocational health technology colleges, hospitals and etc.

Features:

1.The model is male upper body model with correct sitting position,vivid image,soft and flexible skin tissue.

2.The model has normal lacrimal anatomical deconstruction, including lacrimal canal, lacrimal duct,and nasolacrimal duct.The canaliculus can be changed according to the actual needs of the operation,as the angle of the needle is inserted.

3.Simulate the lacrimal irrigation operation,when the flushing operation is correct,the liquid flows out from the nasal cavity or the oral cavity. According to the training and assessment needs, the simulated pus can be added to the simulated lacrimal canal to perform the flushing operation training after the lacrimal passage obstruction.

Thyroid Examination Training Model

ITEM NO : GD/LV51

Features:

1.The model is an upper body of male, which has correct sitting operation position. It is lifelike with soft and supple skin tissue.

2.The model features structure of anatomical position of normal thyroid, including thyroid cartilage, trachea, lateral lobe of thyroid gland and isthmus of thyroid gland.

3.Soft tissue (thyroid) could be touched on right side of lateral lobe of thyroid gland, nodules of 15-20 mm, hard texture, slightly fixed, surface is comparatively smooth.

Upper Frontal Sinus Puncture Training Model

ITEM NO : GD/LV50

Features:

1. The model is upper body of male, which has correct sitting operation position. It is lifelike with high fidelity. Its skin tissue is soft and supple.
2. The model has normal nasal cavity and antrum maxillae structure, which is applicable for antrum maxillae puncture operation training.
3. It supports practice of antrum maxillae rinse operation. If it is correctly operated, liquid will flow out from nasal cavity. It is able to add simulated pus (Please prepare liquid detergent as alternative) to flow out from nasal cavity.

Throat Examination Model

ITEM NO : GD/LV52

Features:

1. The model is a simulated patient of upper body. Pharynx and larynx structures could be clearly observed.
2. Use spatula to conduct indirect laryngoscope operation, laryngology examination raining.
3. Carcinomatous mass of 2cm could be seen above the cartilago epiglottica.
4. There is built-in light sensor, using spatula or indirect laryngology examination to check lesions. When operation is correct, there is light irradiation, electroic display will be lit up and buzz apears.

Sigmoscope Examination Simulator

ITEM NO : GD/LV30

Features:

1. Be able to observe the contours of large intestine and the inner struature of intestinal cavity;
2. Can observe intestinal hypertrophic colonic polyp and canceration through sigmoscope; can identify benign or malignant pathological change;
3. The large intestine model is mounted on the base plate;
4. Provide multiple intestinal diseases for diagnosis and can practice intestinal photography;

Advanced Nasal Hemorrhage Simulator

ITEM NO : GD/LV17

Features:

1. Simulate an adult head and neck
2. Accurate anatomic structure with nasal cavity and nasal septum
3. Simulate all clinical symptoms of epistaxis and train students' ability to deal with contingency
4. Provide trainings of simple hemostasis, cauterization and nasal packing
5. Green light indicates successful hemostasis
6. Can control the speed and amount of bleeding

Surface Vascular Ligation Hemostasis Model

ITEM NO : GD/L60-1

Features:

1. The product has skin, subcutaneous tissue, which is lifelike with clear layers.
2. It is available to practice basic operation of ligature and hemostasis for superficial hemorrhagic spot.
3. Training of various manipulative and instrumental tie methods.
4. It supports repetitive practice and simulated modules could be replaced.

Advanced Ear Diagnostic Simulator

ITEM NO : GD/LV41

Features:

1. Normal auricle
2. Injury of auricle
3. Benign tumor of auricle
4. Malignant tumor of auricle
5. Normal tympanic membrane
6. Tympanic membrane hyperemia
7. Retracted tympanic membrane
8. Small tympanic membrane perforation
9. Whole tympanic membrane perforation
10. Traumatic perforation of tympanic membrane
11. Dry central perforation of the posterior
12. Myringotomy with insertion of tube
13. Bullous myringitis
14. Herpes blisters on the tympanic membrane
15. Eardrum Tympanosclerosis
16. Tympanosclerosis crescentic sclerosis plaques
17. Serous otitis media effusion
18. Congestive early acute otitis media
19. Acute otitis media
20. Purulent otitis media
21. Chronic suppurative otitis media
22. Pearl-tumor
23. Foreign body in ear
24. Ear washing and drops

General Doctor®

Nursing Skills Training Simulator

Online Version of Nursing Skills Training System

ITEM NO : **GD/H1200**

GD/H1200 is designed according to the latest nursing curriculum for clinical nursing training. The system consists of a full-body male manikin, vital signs simulator, multi-parameters simulative monitor and computer.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

System features:

★ This sign indicates that the functions can be run only when the manikin is used with the optional accessories;

ICU care:

1. Airway management: standard oral and nasal intubation, tracheotomy; open airway by head tilt and jaw thrust; audible warning feedback if there is pressure on the teeth; detect intubation position via auscultation; simulate locked jaw, lingual edema, pharyngeal edema, laryngospasm, unilateral and bilateral pulmonary obstruction, airway obstruction, etc;
2. CPR operation training: provide multiple ventilation ways: mouth to mouth, mouth to nose, BVM to mouth; electronic monitoring of airway open, inflation times, frequency, volume and compression times, frequency, position and depth; automatic judgment of artificial respiration and chest compression ratio; real-time data display, English voice prompts during the entire process; after successful rescue, pupil state change to normal and restore carotid pulse

★ Real defibrillation and pacing
★ Simulative defibrillation and pacing
★ Real AED
★ Simulative AED
★ Real ECG monitoring
★ Simulate ECG monitoring

Vital signs simulation:

1. Vital signs simulation: pupil observation, LCD pupil display with CSTN pseudo-color, 65K color, RGB; diameter range: 1-7mm; simulate different pupil states: normal, mydriasis and myosis, etc; carotid artery pulse, vivid reproduction of patient moaning, coughing and vomiting sound;
2. Respiration mode: normal breath, sighing breath, Cheyne-stokes breath, Kussmaul-kien respiration and Biot' s respiration;
3. Realistic spontaneous breathing; chest rise while breathing, breathing frequency and depth can be adjusted;
4. Auscultation: Provides dozens of sounds, including normal heart sound, abnormal heart sound, normal breath sound, abnormal breath sound, normal bowel sound, abnormal bowel sound;

Model	Connection	Pupil	Pupil to light reflection
GD/H1200	Wired connection	LCD pupil	No
GD/H1200.100	wireless connection	LCD pupil	Yes

Basic care:

1. Puncture: thoracic puncture, bone marrow puncture;
2. BP measurement, venipuncture and vastus lateralis intramuscular injection; highly realistic arm vein; a discernable "pop" can be felt when entering the veins and blood flash back indicating proper insertion; skin and blood vessel is replaceable;
3. Hair washing and combing, face washing, ear irrigation and drops, mouth care, artificial teeth care, sputum suction, oxygen inhalation, oral and nasal feeding, gastric lavage, gastrointestinal decompression, enema, stoma drainage, male/female urethral catheterization, male/female bladder irrigation;

Software:

1. Simulative injection pump/infusion pump usage: Multimedia animation shows the operation procedures of injection pump and infusion pump; drugs can be selected while operation;
2. Nursing scenes script training/assessment: The software comes with dozens of nursing scenes, covering medical department, surgical department, Emergency, ICU patient care, and it provides nursing operation test via interactive multimedia courseware; the software provides multiple drug treatment and typical auxiliary examination, chest X-ray, ultra-sound ECG, 12 lead ECG, etc;
3. Script/cases editing: Provide multiple common cases; the animation vividly reproduces the real emergency scenes; emergency cases can be edited by user self; pathogenetic condition changes and students operation process will be recorded in the software
4. Detect PETCO2: Confirm tube position and Monitor the effectiveness of CPR

Standard configuration:

Hardware:

1. ACLS adult manikin
2. GD/HS7 Simulative BP Measuring Unit
3. BVM, auscultator, laryngoscope, tracheal cannula, transfusion set, medical air compressor

Software:

1. ACLS Training software V2.0
2. ACLS Script editing software V2.0

Nursing Skills Training Simulator

Advanced Nursing Manikin

ITEM NO : **GD/H128**

The system is designed according to the latest nursing curriculum for clinical nursing training. The system consists of a full-body male manikin, vital signs simulator, non-invasive simulator, with basic nursing and advanced nursing, including: non-invasive BP, auscultation heart sound, respiration sound, bowel sound, simulate carotid artery pulse, etc.

Features of ECG simulator:

GD/SM900 Vital signs simulator includes “Auscultation, ECG teaching special chest skin”, “Auscultation abdominal skin”, vital signs simulator, simulative electronic auscultator, DC9V external power adapter, etc.

1. 17 kinds of ECG (e.g.: sinus heart rhythm, unifocal PVC, coupled PVC, atrial flutter, etc)
2. 17 kinds of patient voice (e.g.: cough, vomit, etc)
3. 42 kinds of common heart sound (e.g.: common heart sound, sinus tachycardia, ventricular septal defect, etc)
4. 24 kinds of respiration sound (e.g.: bronchovesicular breathing sound, egophony, coarse rales, etc)
5. 4 kinds of bowel sound (e.g.: normal bowel sound, decreased bowel sound, blood murmur, etc)
6. Large-screen LCD display, vivid and direct-viewing user interface, easy to operate;
7. Auscultation part adopts simulative electronic auscultator and RFID labeling technique;
8. Volume is divided into 5 levels, each can be adjusted individually
9. For auscultation teaching, can connect to voice box, can also connect earphone to play the designated auscultation sound; external voice box and earphone are optional accessories.
10. Flexible power supply choice for SM 900:DC9V external power adapter or 6pcs #5 battery;
11. Power saving function: If there is no keying operation within 30 seconds, the LCD backlight would turn off; re-keying operation would turn on backlight;

Advanced Nursing Manikin

ITEM NO : **GD/H126**

The system is designed according to the latest nursing curriculum for clinical nursing training. It includes full-body male manikin, non-invasive BP measurement trainer, snap-in chest skin, with basic nursing and advanced nursing features.

Basic nursing features:

1. Using a wet towel to wipe the face
2. Eye irrigation and administration
3. Pupil observation: Direct contrast of normal and dilated mydriasis
4. Oral cavity nursing, artificial teeth care
5. Airway management: oral, nasal and tracheal intubation, incision of trachea care, sputum suction, oxygen inhaling;
6. Oral and nasal feeding, gastric lavage Injection: Arm venous injection, blood drawing, subcutaneous injection of deltoid muscle, vastus lateralis injection, buttocks intramuscular injection;
7. Puncture: hydropneumothorax puncture, pneumothorax puncture
8. Enema, male/female urethral catheterization, male/female bladder irrigation
9. Stoma drainage: colostomy, ileostomy stoma
10. Holistic nursing: washing, cold and hot therapy
11. Flexible limbs joints, can bend, rotation, upper and lower move ment

Advanced nursing features:

1. Simulate locked jaw, stiff neck, airway obstruction, carotid artery pulse, radial artery pulse, pneumothorax
2. BP measurement features:

1) Can use real BP gauge and auscultator to measure BP
2) With korotkoff Gap voice, volume can be adjusted
3) Systolic pressure and diastolic pressure can be set separately
4) Can adjust systolic and diastolic pressure values and pulse frequency according to teaching requirement;
5) LCD display

3. CPR features: Support multiple ventilation ways, such as mouth to mouth,mouth to nose, bag respirator to mouth; electronic display of inflation volume, compression site and depth;

Advanced Nursing Manikin

ITEM NO : **GD/H125**

This manikin is the up-graded edition of GD/H120A. Except all functions of GD/H120A, is also has functions of blood pressure measurement and the carotid artery pulse.

Trauma Nursing Manikin

ITEM NO : **GD/H111**

Features:

1. All functions of GD/H120A are reserved.
2. Traumas consists of:

1) Facial burn: Ⅰ, Ⅱ, Ⅲ degree.
2) Laceration in forehead.
3) The wound in jaw.
4) Opened clavicular fracture and contusion wound on the chest.
5) The wound in abdomen with small intension evisceration.
6) Opened humerus fracture of right upper arm
7) Opened fracture of right hand (including parenchyma laceration, fracture and bone tissue exposure).
8) Gun wound in the right palm
9) Opened fracture of right thighbone
10) Compound femur fracture of left thigh
11) Metal pricking wound in right thigh
12) Opened tibia fracture of right leg
13) Opened fracture of right foot with truncating trauma on small phalanx
14) Burns in left forearm: Ⅰ, Ⅱ, Ⅲ degree.
15) Truncating trauma on left thigh
16) Closed tibia fracture of right leg and contusion wounds in left ankle and foot.
17) Chest wall section and suture incision
18) Abdomen wall section and suture incision
19) Thigh section and suture incision
20) Tear of the thigh skin
21) Infective ulcer of thigh
22) Foot sphacelus, decubitus ulcers of first, second, third toes and heelstick
23) Amputation stump of upper arm
24) Amputation stump of leg

Advanced Trauma Accessories

ITEM NO : **GD/H111-20**

Features:

1. The model consists of 20 modules, which simulate most kinds of wounds of body, including burn, laceration, contusion, opened fracture, gun wound and etc.
2. This model is vivid and all parts have good touch.
3. It is suitable for first-aid training of surgical trauma, and can be used to simulate bleeding, hemostasis, washing, disinfection, enswathing of the wound.

Nursing Manikin (Male)

ITEM NO : **GD/H120A**

This manikin is upgraded from GD/H100S.

Features:

1. Hair and face wipe
2. Eye and ear washing and administering
3. Mouth cavity and artificial teeth care
4. Endotracheal intubation
5. Sputum suction
6. Oxygen inhaling
7. Oral and nasal feeding
8. Gastrolavage
9. Main organs in thoracic cavity
10. Venipuncture, injection, blood transfusion (Arm)
11. Deltoid subcutaneous injection
12. Vastus lateralis injection
13. Thoracic cavity, liver, bone marrow and lumbar puncture
14. Enema
15. Female urethral catheterization
16. Male urethral catheterization
17. Female bladder irrigation
18. Male bladder irrigation
19. Ostomy
20. Buttocks intramuscular injection
21. Main organs in abdominal cavity
22. Holistic nursing care: sponge bath, replacing clothes, cold and heat therapy.
23. Limbs joints: bend rotation and upper or lower movement
24. Trauma evaluation and care: washing, disinfection, enswathing of the wound, hemostasis and bandaging.

Trauma assessment and nursing: disinfection, cleaning, dressing change, hemostasis, bandaging

1. Chest wall incision suture trauma nursing care
2. Abdominal wall incision suture trauma nursing care
3. Thigh trauma incision suture trauma nursing care
4. Thigh skin laceration trauma nursing care
5. Thigh infection ulcer nursing care
6. Foot sphacelus, the first, second and third toe and heel decubitus ulcer nursing care
7. Upper arm amputation trauma nursing care
8. Crus amputation trauma nursing care

Nursing Manikin (Female)

ITEM NO : **GD/H120B**

This manikin is upgraded from GD/H100S.

Features:

1. Hair and face wipe, hair combing (with artificial hair)
2. Eye and ear washing and administering
3. Mouth cavity and artificial teeth care
4. Endotracheal intubation
5. Sputum suction
6. Oxygen inhaling
7. Oral and nasal feeding
8. Gastrolavage
9. Breast care and inspection
10. Venipuncture, injection, blood transfusion (Arm)
11. Deltoid subcutaneous injection
12. Vastus lateralis injection
13. Thoracic cavity, liver, bone marrow and lumbar puncture
14. Enema
15. Female / male urethral catheterization
16. Female / male bladder irrigation
17. Ostomy
18. Buttocks intramuscular injection
19. Main organs in abdominal cavity
20. Holistic nursing care: sponge bath, replacing clothes, cold and heat therapy.
21. Limbs joints: bend, rotation and upper or lower movement

Basic Nursing Manikin

ITEM NO : **GD/H100S**

Features:

1. Hair and face wipe
2. Eye and ear washing and administering
3. Mouth cavity and artificial teeth care
4. Endotracheal intubation
5. Sputum suction
6. Oxygen inhaling
7. Oral and nasal feeding
8. Gastrolavage
9. Main organs in thoracic cavity
10. Venipuncture, injection, blood transfusion (Arm)
11. Deltoid subcutaneous injection
12. Vastus lateralis injection
13. Thoracic cavity, liver, bone mar row and lum bar puncture
14. Enema
15. Female urethral catheterization
16. Male urethral catheterization
17. Female bladder irrigation
18. Male bladder irrigation
19. Ostomy
20. Buttocks intramuscular injection
21. Main organs in abdominal cavity
22. Holistic nursing care: sponge bath, replacing clothes

Multi-functional Nursing Manikin (Female)

ITEM NO : **GD/H2**

Features:

1. Hair and face wipe
2. Mouth cavity care
3. Endotracheal intubation
4. Oxygen inhaling
5. Nasal feeding
6. Gastrolavage
7. Intracardiac injection
8. Closed chest cardiac resuscitation
9. Pneumothorax
10. Breast care
11. Liver puncture
12. Thorax Puncture
13. Bone marrow puncture
14. Lumbar puncture
15. Deltoid subcutaneous injection
16. Venipuncture injection
17. Blood transfusion (Arm)
18. Vastus lateralis injection
19. Female urethral catheterization
20. Female bladder irrigation
21. Buttocks intramuscular injection

Full-functional Elderly Nursing & CPR Manikin (Male)

ITEM NO : **GD/H228**

Description:

This set of model is designed according to the physiological characteristics of the elderly male, which adds the elderly CPR training function on the basis of meeting clinical care skill training. The full set product is composed of the whole body elderly male simulated human and NIBP simulator.

Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC

Basic Care Function Content:

- Hair and face wipe, comparative observation of pupils, cleaning the ears and dropping medicine, oral and denture care.
- Tracheal intubation, tracheal incision care, sputum suction, oxygen inhalation, mouth and nasal feeding, gastric lavage.
- Arm venepuncture, injection, infusion (transfusion), deltoid muscle hypodermic injection, lateral femur muscle and buttock muscles injection.
- Pleural cavity, spinal marrow, lumbar puncture, enema, male/female catheterization, male/female bladder irrigation.
- Male examination of prostate, fistulization drainage, and colostomy.
- The whole nursing: scrub, wear and change clothes, heat and cold therapy, NIBP measurement, comparison of large area sacrum fester and cancer lump, wrinkled skin comparison.
- Life-like limbs joints, can simulate anchylosis, body trunk can bend forward, and can sit in a wheelchair.

CPR Function:

- Cardiopulmonary resuscitation (CPR) simple type first-aid training function, has signs of life, trismus and heaving chest functions.
- It supports orotracheal intubation.

Nursing Skills Training Simulator

Full-functional Elderly Nursing Manikin(Male)

ITEM NO : GD/H220A

The manikin is designed according to the physiological characteristic of old male people for the basic clinical nursing training. The product consists of full-body male elderly manikin and non-invasive blood pressure simulator; with about 50 kinds of nursing functions; made of imported PVC material, fine quality, environmental protection, realistic shape as human, easily washable, these help nursing workers understand and care for old people when they are working.
H228 is upgraded of H220A. Except for all functions of GD/H220A, CPR training can be performed.

Basic nursing functions:

1. Hair and face wipe
2. Eye and ear washing and administering
3. Removal and insertion of hearing aid
4. Mouth cavity and artificial teeth care
5. Endotracheal intubation
6. Replaced female genital
7. Sputum suction
8. Oxygen inhaling
9. Oral and nasal feeding
10. Gastrolavage
11. Venipuncture, injection, transfusion(arm)
12. Deltoid subcutaneous injection
13. Vastus lateralis injection
14. Thoracic cavity, liver, bone marrow and lumbar puncture
15. Enema
16. Male/female urethral catheterization
17. Male/female bladder injection
18. Male prostate examination(with foreskin)
19. Stoma drainage
20. Colostomy
21. Buttocks intramuscular injection
22. Large area of sacral ulcer
23. The elderly wrinkles
24. Holistic nursing : sponge bath, replacing clothes,cold and hot therapy
25. Realistic limbs joint, truck may lean forward, can sit it the wheelchair
    1) Truck- rotation, flexibility
    2) Neck- rotation, flexibility, lateral curvature
    3) Shoulder and buttock- endoduction, abduction, rotation, flexibility
    4) Elbow-internal rotation, external rotation
    5) Knee- internal rotation, external rotation
    6) Wrist-internal rotation, flexibility, stretching, bending
    7) Ankle- introversion, eversion, endoduction, abduction
26. Non-invasive blood pressure measurement
    1) Systolic and diastolic pressure may be set individually in steps of 1mmHg
    2) Systolic pressure 70-230 mmHg diastolic pressure 40-140 Hg
    3) Korotkoff sound volume in three steps, 1-3
27. Diabetes foot nursing

Full-functional Elderly Nursing Manikin (Female)

ITEM NO : GD/H220B

The manikin is designed according to the physiological characteristic of female old people for basic clinical nursing training. The product consists of full-body female elderly manikin and non-invasive blood pressure simulator; with about 50 kinds of nursing functions, made of imported PVC material, fine quality, environmental protection, realistic shape as human, easily washable; these help nursing workers understand and care for old people during the nursing process.

Basic nursing functions:

1. Hair and face wipe
2. Eye and ear washing and administering
3. Removal and insertion of hearing aid
4. Oral cavity and artificial teeth care
5. Endotracheal intubation, automatically monitor whether the tracheal intubation is correct or not through sensor, support auscultation to detect intubation site
6. Incision of trachea nursing
7. Sputum suction
8. Oxygen inhaling
9. Oral and nasal feeding
10. Gastrolavage
11. Venipuncture, injection , transfusion(arm)
12. Deltoid subcutaneous injection
13. Vastus lateralis injection
14. Thoracic cavity, lumbar puncture
15. Breast nursing, mammary gland examination
16. Enema
17. Male/female urethral catheterization
18. Male/female bladder irrigation
19. Stoma drainage
20. Colostomy
21. Buttocks intramuscular injection
22. Large area of sacral ulcer
23. Cleavage lines contrast
24. Holistic nursing: sponge bath, replacing clothes,cold and hot therapy
25. Realistic limbs joint, truck may lean forward, can sit it the wheelchair
    1) Truck- rotation, flexibility
    2) Neck- rotation, flexibility, lateral curvature
    3) Shoulder and buttock- endoduction, abduction, rotation, flexibility
    4) Elbow-internal rotation, external rotation,
    5) Knee- internal rotation, external rotation
    6) Wrist-internal rotation, flexibility, stretching, bending
    7) Ankle- introversion, eversion, endoduction, abduction
26. Non-invasive blood pressure measurement
    1) Systolic and diastolic pressure may be set individually in steps of 1mmHg
    2) Systolic pressure 70-230 mmHg, diastolic pressure 40-140 Hg
27. Diabetes foot nursing

Hemodialysis Simulated Human

ITEM NO : **GD/HS2000**

GD/HS2000 Hemodialysis Simulated Human

GD/JH2000 Hemodialysis Arms

Features:

The product, on the basis of H120A, updates and adds Hemodialysis arm, which should first of all build arteriovenous fistula vascular access according to the Hemodialysis to touch vascular tremor. It adopts blood bump puncture to connect the arm model, simulates the establishment of blood circulation pathway, and uses the puncture needle to puncture related blood vessel to carry out the vessel operation training.

- The product possesses all functions of H120A.
- Hemodialysis simulates arms, presses the handball to simulate the pulse of radial artery and to touch vascular tremor after establishing arteriovenous fistula pathway.
- Simulate blood circulation pathway: connect the Hemodialysis arm with blood bump, fluid reservoir, and two sets of vessel puncture equipment, to carry out the vessel operation training.

Wearable Elderly Action Simulation Suit

ITEM NO : **GD/H230**

Modern society is gradually entering the elderly age, so experiencing of old people's life is beneficial for understanding old people's physiological and psychological ideas, so as to achieve more scientific clinical care for elderly patients.

Features:

1. Designed basing on the physiological changes of old people, fine and environmental material, washable;
2. Be able to wear "Simulated Elderly Action Suit" to experience old people's life and the aging feeling of the specific part of the body, and provides better understanding for old people's feeling.
3. Adjustable cured angle of the back and body

Hemiparesis Nursing Simulation Suit

ITEM NO : **GD/H240**

Through experiencing patients' life, for example, the inconvenience of hemiparalysis patient caused by cerebrovascular disease and cerebral trauma, to understand the physiological and psychological ideas so as to provide more scientific clinical care for hemiparalysis patient.

Features:

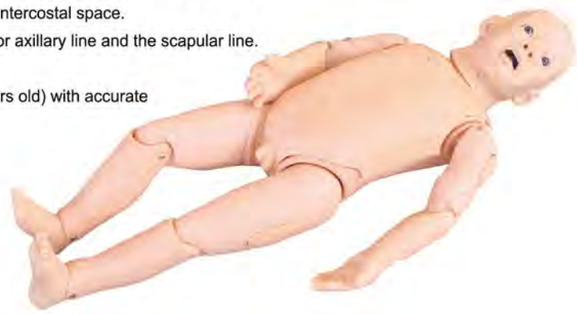
1. Designed according to the physiological changes of hemiparalysis patient, fine and environmental material, washable
2. Experience left-right hemiparalysis
3. Stiff joints because of fixation by the restriction device, tightness of rubber band can be adjusted
4. Trainer can experience the importance of crutches
5. Shoes are designed for old and disabled people, portable and antiskid

Child Thoracocentesis Training Simulator

ITEM NO : **GD/H167**

Features:

1. Mainly used for child thoracocentesis training. Can perform standard thoracocentesis operation.
2. Obvious marks on the body surface. Can touch the ribs and intercostal space.
3. Can perform pleural effusion puncture in the bilateral posterior axillary line and the scapular line.
4. Correct puncture operation can extract pleural effusion.
5. Made of high quality mixed rubber. Size of a real child (3 years old) with accurate anatomic structure, vivid and soft.
6. Convenient to clean. Can be used repeatedly.



Child Enema Training Simulator

ITEM NO : GD/H161

Features:

1. Mainly used for child enema skill training. Can perform standard enema operation.
2. Made of high quality mixed rubber. Same size as a real child (3 years old) with accurate anatomic structure, vivid and soft. Can display standard enema position.
3. Convenient to clean. Can be used repeatedly.

Child Nasogastric Intubation Training Simulator

ITEM NO : GD/H166

Features:

1. Mainly used for child nasogastric intubation training. Can perform standard nasogastric intubation operation.
2. Made of high quality mixed rubber. Size of a real child (3 years old) with accurate anatomic structure, vivid and soft. Can display standard nasogastric intubation position.
3. Can be used continuously and repeatedly in training teaching.

Model of Pediatric Urethral Catheterization

ITEM NO : GD/H169

Features:

Dorsal position is applied in pediatric urethral catheterization. Proper catheter shall be selected in according to ages. It is available to conduct standard pediatric urethral catheterization training.It is made of high-quality mixed gum on the basis of features of three-year-old child. The appearance is lifelike with soft texture. It is as large as life. It is available to demonstrate and operate pediatric urethral catheterization repetitively.The model is easy for cleaning.

Child Abdominocentesis Training Simulator

ITEM NO : GD/H168

Features:

1. Mainly used for child abdominocentesis training.
2. Made of high quality mixed rubber. Vivid and soft. Feels like real child (3 years old).
3. Can feel obvious empty feeling when puncturing correctly into abdominal cavity.
4. The puncture part can be used repeatedly without any leakage.

Model of Care of Babies with Down's Syndrome

ITEM NO : GD/H135

Features:

Model of care of babies with Down's Syndrome has Down's Syndrome, which is trisomy 21syndrome. It is also called mongolian idiocy. It is a disease caused by abnormality of chromosome. It simulates the facial features of dementia and vital signs, including ocular hyper-telorism, allophthalmia, low nasion, flat nose, thick tongue, flat head, short and small fingers, large space between the first and second toe, short height, etc. It is available to conduct training of basic baby care operation.The baby's appearance is cute with beautiful clothes, which cultivates students to understand and accept disabled children in study.

Nursing Baby

ITEM NO : GD/H130

Features:

1. Head, neck and limbs can be moved freely. The chest skin can be replaced.
2. Cephalic venipuncture
3. Umbilical venipuncture
4. Oral and nasal intubation nursing
5. Care of gastrolavage, enema and urethral catheterization
6. Ostomy
7. Deltoid subcutaneous injection and buttocks intramuscular injection
8. Holistic nursing care: sponge bath, replacing clothes, lactation and diaper changing

Advanced Infantile Jaundice Nursing Model

ITEM NO : GD/HT106

Features:

- It is made of polymer material. Its appearance and texture is lifelike.
- Infantile jaundice nursing model has skin yellowness and icteric sclera. It can be used to identify the severity of jaundice.
- It is available to conduct infant basic nursing operation training:
  1) Practice infant regular physical examination; measurement of body weight, chest, abdominal and head circumference;
  2) Infant holding, wrap-up and diaper changes;
  3) Sponge bath, facial features cleaning, skin nursing;
- It will cultivate care and love of students and broaden their knowledge of jaundice during the procedure of taking care of sick infants.

Infantile Malnutrition Nursing Model

ITEM NO : GD/HT108

Features:

- It is made of polymer material. Its appearance and texture is lifelike.
- Infantile malnutrition nursing model has features like big head, thin limbs,weight loss, short stature, etc. The infant is 10-month old. Its height is 67cm. Its weight is 6.7 KG. Comparing with common 10-month infant, there is a great gap.
- It is available to conduct infantile basic nursing operation training.
  1) practice infant regular physical examination; measurement of body weight, chest, abdominal and head circumference;
  2) Infant holding, wrap-up and diaper changes;
  3) sponge bath, facial features cleaning, skin nursing;
- It is available to cultivate comprehension and patient of students when taking care of sick infants.

Advanced Neonatal Umbilical Cord Nursing Model

ITEM NO : GD/H132

Features:

1. Female newborn systemic model, moveable head and limbs
2. Realistic umbilical cord with umbilical vein and artery
3. Umbilical cord ligation and nursing, realistic touch feeling, the enough length of umbilical cord can be used continually;
4. Neonatal basic nursing: lactation, sponge washing, wearing clothes, changing diapers

Advanced Child Nursing Manikin(Three-year old)

ITEM NO : **GD/FT333**

Features:

1. Operations of child care: full body bandage exercise, changing clothes, eye washing and administering, mouth cavity care
2. Airway management: realistic mouth, nose, tongue, gum, pharynx, larynx, esophagus, epiglottis, trachea and tracheal ring, can practice tracheal intubation, sputum suction, oxygen inhaling
3. Oral and nasal feeding
4. Gastrolavage
5. Venipuncture, injection, transfusion (Arm). There is an obvious feeling when needle penetrates into vein. And blood flash back indicates proper insertion.
6. Intramuscular injection in bilateral deltoid, bilateral vastus lateralis.
7. Enema, placement of rectal suppository
8. Urethral catheterization
9. Holistic care: sponge bath, replacing clothes, cold and heat therapy
10. Limbs joints: Bend, rotation, upper and lower movement.
11. The stoma of ileum and colon nursing
12. Puncture of tibia bone marrow

New Basic Nursing Model

ITEM NO : **GD/H7**

Features:

1. Oxygen inhaling
2. Nasal feeding
3. Gastrolavage
4. Duodenal drainage
5. Esophagus and stomach bottom double balloon compression
6. Arm injection
7. Subcutaneous injection
8. Intravenous injection
9. Venous transfusion
10. Veinpuncture
11. Male urethral catheterization
12. Male bladder irrigation
13. A drainage gauze can be placed in fistula of the wound dressing
14. Femoral vein puncture and femoral artery puncture
15. Buttocks intramuscular injection
16. Enema
17. Female urethral catheterization
18. Female bladder irrigation

Full Functional Neonatal Nursing Manikin

Features: " ■ ● ◆" represents product function

Model No.	Function	Features	Standard Components
GD/FT335	Nursing,CPR	■	Manikin, CPR monitor
GD/FT435	Nursing,CPR, Auscultation	■ ●	Manikin, CPR monitor, Auscultation simulator set
GD/FT535	Nursing,CPR, Auscultation, defibrillation and pacing, ECG	■ ● ◆	Manikin, CPR monitor, Auscultation simulator set, defibrillator, ECG generator,

Main features:

- ■ General care: change diapers, change clothes, mouth care, cold and hot therapy, bandaging;
- ■ Venous transfusion/puncture, arm veins include and Scalp vein includes.
- ■ Umbilical cord care: ligature of umbilical cord, umbilical venous intubation and transfusion;
- ■ Gastric intubation: detect tube position by means of auscultation; can practice gastrointestinal decompression, nasal feeding, gastric lavage, etc;
- ■ Bone marrow puncture: practice tibial puncture; outflow of simulative bone marrow shows proper puncture operation; drug liquid can be injected into and can practice transfusion operation;
- ■ CPR operation training: Supporting multiple breathing ways by mouth to mouth, mouth to nose and simple respirator to mouth; electronically monitor compression, frequency and volume of blowing, compression times, frequency and depth, blowing and compression can be training separately, assessment model training .
- ● Auscultation: the heart sound, the breathing sound, the bowel sound .
- ◆ Defibrillating and pacing: simulating the defibrillation and pacing, can be used with different real defibrillator and pacemaker to achieve the real defibrillation and pacing
- ◆ ECG: simulating ECG, can be used with different real ECG to achieve the real ECG.

Full Functional Infant Nursing Manikin

Features: " ■ ● ◆" represents product function

Model No.	Function	Features	Standard Components
GD/FT337	Nursing,CPR	■	Manikin, CPR monitor
GD/FT437	Nursing,CPR, Auscultation	■ ●	Manikin, CPR monitor, Auscultation simulator set
GD/FT537	Nursing,CPR, Auscultation, defibrillation and pacing, ECG	■ ● ◆	Manikin, CPR monitor, Auscultation simulator set, defibrillator, ECG generator,

- ■ Holistic care:diaper changing,wear and replace clothes,mouth care,cold and hot therapy,bandaging;
- ■ Venous transfusion/puncture,arm veins include and scalp vein includes;
- ■ Gastric intubation:detect tube position by means of auscultation;can practice gastrointestinal decompression,nasal feeding,gastric lavage,etc;
- ■ Bone marrow puncture:practice tibial puncture;outflow of simulative bone marrow shows proper puncture operation;drug liquid can be injected into and can practice transfusion operation;
- ■ CPR operation training:support multiple ventilation ways:mouth to mouth,mouth to nose,BVM to mouth;electronic monitoring of inflation frequency, volume,compression number,frequency and depth;can only practice inflation or compression,assessment model training;
- ● Auscultation:the heart sound,the breathing sound the bowel sound;
- ◆ Defibrillating and pacing:simulating the defibrillation and pacing,can be used with different real defibrillator and pacemaker to achieve the real defibrillation and pacing.
- ◆ ECG:simulating ECG,can be used with different real ECG to achieve the real ECG.

Full Functional One-year-old Child Nursing Manikin

Features: " ■ ● ◆" represents product function

Model No.	Function	Features	Standard Components
GD/FT332	Nursing,CPR	■	Manikin, CPR monitor
GD/FT432	Nursing,CPR, Auscultation	■ ●	Manikin, CPR monitor, Auscultation simulator set
GD/FT532	Nursing,CPR, Auscultation, defibrillation and pacing, ECG	■ ● ◆	Manikin, CPR monitor, Auscultation simulator set, defibrillator, ECG generator,

- ■ General care:skin care(e.g:wear and change clothes),mouth care,ear irrigation,bandaging training,changing diapers,cold and hot therapy;
- ■ Venous puncture/transfusion:dorsal vein of hand,femoral vein,dorsal vein of foot;
- ■ Intramuscular injection:bilateral deltoids bilateral vastus lateralis;
- ■ Subcutaneous injection:the subcutaneous of lateral thigh;
- ■ Bone marrow puncture:distinct body marks;practice tibial puncture;outflow of simulative bone marrow shows proper puncture operation;
- ■ Gastric intubation:detect tube position by means of abdominal auscultation;can practice gastrointestinal decompression,gastric lavage,etc; aspiration of gastric fluid indicates proper intubation;
- ■ Urethral catheterization: replaceable male/female perineum,practice male/female urethral catheterization;
- ■ Leum,rectum,bladder stoma care;
- ■ CPR operation training:support multiple ventilation ways:mouth to mouth,mouth to nose,BVM to mouth;electronic monitoring of inflation frequency,volume,compression number,frequency and depth;can only practice inflation or compression;
- ● Auscultation:the heart sound,the breathing sound,the bowel sound;
- ◆ Defibrillating and pacing:simulating the defibrillation and pacing,can be used with different real defibrillator and pacemaker to achieve the real defibrillation and pacing;
- ◆ ECG:simulating ECG,can be used with different real ECG to achieve the real ECG.

Full Functional Five-year-old Child Nursing Manikin

Features: " ■ ● ◆" represents product function

Model No.	Function	Features	Standard Components
GD/FT334	Nursing,CPR	■	Manikin, CPR monitor
GD/FT434	Nursing,CPR, Auscultation	■ ●	Manikin, CPR monitor, Auscultation simulator set
GD/FT534	Nursing,CPR, Auscultation, defibrillation and pacing, ECG	■ ● ◆	Manikin, CPR monitor, Auscultation simulator set, defibrillator, ECG generator,

- ■ General care:skin care(e.g:wear and change clothes),mouth care,ear irrigation,bandaging training,changing diapers,cold and hot therapy;
- ■ Venous puncture/transfusion:dorsal vein of hand,femoral vein,dorsal vein of foot;
- ■ Intramuscular injection:bilateral deltoids bilateral vastus lateralis;
- ■ Subcutaneous injection:the subcutaneous of lateral thigh;
- ■ Bone marrow puncture:distinct body marks;practice tibial puncture;outflow of simulative bone marrow shows proper puncture operation;
- ■ Gastric intubation:detect tube position by means of abdominal auscultation;can practice gastrointestinal decompression,gastric lavage,etc; aspiration of gastric fluid indicates proper intubation;
- ■ Urethral catheterization: replaceable male/female perineum,practice male/female urethral catheterization;
- ■ Leum,rectum,bladder stoma care;
- ■ CPR operation training:support multiple ventilation ways:mouth to mouth,mouth to nose,BVM to mouth;electronic monitoring of inflation frequency,volume,compression number,frequency and depth;can only practice inflation or compression;
- ● Auscultation:the heart sound,the breathing sound,the bowel sound;
- ◆ Defibrillating and pacing:simulating the defibrillation and pacing,can be used with different real defibrillator and pacemaker to achieve the real defibrillation and pacing;
- ◆ ECG:simulating ECG,can be used with different real ECG to achieve the real ECG.

Transparent Gastric Lavage Simulator with Warnings

ITEM NO : GD/H7-1

Main function:

1. The simulator can demonstrate gastric lavage, oxygen inhalation, nasogastric gavage, tracheotomy nursing and double air sac compression of esophagus and stomach fundus, etc ;
2. Replica of standard adult upper half body; thorax with anatomical structure marks; demonstrate operational process visually through the transparent chest shell.
3. Comes with lamplight warning system and allow to demonstrate function of duodenum drainage.
4. Pupils contrast demonstration

Advanced Basic Nursing Manikin

ITEM NO : GD/H70

Features:

Model using imported materials, skin soft, feel real, flexible joints, all kinds of nursing procedures can be performed

1. Face washing
2. Eye and ear washing and administering
3. Mouth cavity care
4. Oxygen inhaling
5. Endotracheal intubation
6. Oral and nasal feeding
7. Gastrolavage
8. Oral and nasal intubation
9. Deltoid subcutaneous injection
10. Vein injection
11. Vein blood transfusion
12. Enema
13. Vein puncture
14. Female urethral catheterization
15. Male urethral catheterization
16. Female bladder irrigation
17. Male bladder irrigation
18. Ostomy
19. Buttocks intramuscular injection

Nasogastric Feeding & Tracheal Intubation Simulator

ITEM NO : GD/H70-1

Features:

1. Hair and face washing
2. Eye and ear washing and administering
3. Mouth cavity care
4. Endotracheal intubation
5. Oxygen inhaling
6. Nasogastric intubation
7. Sputum suction
8. Oral and nasal cavity intubation
9. Carotid artery pulse

Nasogastric Feeding & Tracheal Care Simulator

ITEM NO : **GD/H81**

The model simulates a male adult upper body structure, with anatomical structure of nasal cavity, oral cavity, teeth, tongue, uvula, reply, vocal cord, trachea, bronchi, lungs, esophagus, stomach, liver, diaphragmatic muscle, and small intestine. The simulator is made of imported material with realistic touch feeling, and the stomach is made of high intensity transparent material, which is convenient to observe.helper for pediatric nursing teaching and training.

Features:

1. Open chest wall skin to expose thoracic viscera and organs, such as stomach and lung, can examine if the operation is correct;
2. Insertion of gastric tube through mouth or nose: nasal feeding, gastrolavage, haemostasis and gastroscopy operation, simulated gastric fluid can be extracted when the operation is correct;
3. Endotracheal intubation via mouth or nose: Sputum suction and oxygen inhaling, etc
4. Postoperative care for incision of tracheal
5. Manually generated carotid arterial pulse
6. LCD display :different pupil states:normal.dilated. needle tip type.

Parenteral Alimentation Nursing Simulator

ITEM NO : **GD/H72**

The model is used for patient's parenteral alimentation treatment and care through central vein intubation, provides trainings of central vein intubation, related disinfection, puncture and fixing operation.

Features:

Simulate normal adult male size accurate and real anatomical structure translucent design is conducive for sterical observation of internal skeleton, blood vessel, heart and part of lungs

2. Transparent design for clear observation of internal jugular vein and subclavian venous channel
3. Cutaneous covering in the puncture site of right side chest;
4. The heart part can be opened to see the tricuspid valve with red marker

1.

Sengstaken-Blakemore Tube Training Simulator

ITEM NO : **GD/H82**

Features:

1.Transparent chest wall to have viscera in the thoracic cavity exposed such as stomach and lung; check whether the operation is correct.

2.Compression hemostasis via Sengstaken-Blakemore tube can be trained with an open window, through which the whole process of stomach fundus compression hernostasis can be completely demonstrated.

3.Allow to operate nasal feeding, gastric lavage and stomachoscopy; simulative stomach juice can be extracted when the operation is correct; the liquid in the digestive tract can be excreted after the whole training session.

4.Available postoperative care of tracheotomy and mouth care.

Child Transparent Gastric Lavage Model

ITEM NO : **GD/H83**

Features:

1.It has the half-transparent body; the whole operation process can be can be observed.

2.It can insert the nasogastric gastric tube to input nutrition.

3.gastric lavage training for first-aid

Multi-functional Transparent Gastric Lavage Simulator

ITEM NO : **GD/H80**

The model simulates a male adult upper body structure, with anatomical structure of nasal cavity, oral cavity, teeth, tongue, uvula, reply, vocal cord, trachea, lungs, esophagus, stomach, liver and small intestine. The simulator is made of imported material with realistic touch feeling, and the stomach is made of high intensity transparent material, which is convenient to observe, can directly observe the realistic organs and structures of chest cavity and abdominal cavity and the gastric lavage process.helper for pediatric nursing teaching and training.

Features:

1. Transparent chest wall,visible of external organs.such as stomach and lung, can examine if the operation is correct;
2. Insertion of gastric tube through mouth or nose: nasal feeding, gastrolavage, haemostasis and gastroscopy operation, simulated gastric fluid can be extracted when the operation is correct; After finishing operation, the fluid in the digestive tract can be eliminated from body
3. Endotracheal intubation via mouth or nose: Sputum suction and oxygen inhaling, etc
4. Postoperative care for incision of tracheal and oral cavity care
5. Manually generated carotid arterial pulse
6. Can be placed in many postures, such as supine position, left-laterial position, sitting position, etc
7. LCD display :different pupil states:normal.dilated. needle tip type.

Swallow Mechanism Simulator

ITEM NO : **GD/H88**

Features:

1. The mechanism of swallow
2. The causes of mistaking swallow
3. Correct posture of eating
4. The relationship between the angle of neck and mistaking swallow
5. Emergency rescue for mistaking swallow
6. Swallow training with oral cavity care
7. Intubation feeding
8. Internal absorption of oral cavity

Advanced Suction Training Simulator

ITEM NO : **GD/H85**

Features:

1. Suction tube can be inserted into nasal cavity and oral cavity, and simulated sputum can be suctioned.
2. Suction tube and Yanken tube can be inserted into trachea and bronchia through nasal cavity or oral cavity. And trainers can observe the interior operation and simulate intubation and suction.
3. Suction tube can be inserted into trachea and bronchia through tracheotomy cannula. And trainers can observe the interior operation and simulate intubation and suction.
4. By taking off one half of the face, the intubating position can be confirmed, and the anatomical structures of nasal cavity, pharynx, oral cavity and cervix can be learned. The trainers can exercise suction skill under straight observation, and improve the effectiveness of the training.
5. The simulating sputum can be put into nasal, oral cavity and trachea, which can enhance the lifelike feel of the suction training.

Adult Tracheotomy Care Simulator

ITEM NO : **GD/H23**

Features:

1. Precise anatomy: pharynx, epiglottis, trachea, esophagus, position of tracheotomy, cricoid and left, right bronchial trees
2. Tracheotomy care
3. Sputum suction
4. Suction via oral cavity
5. Clean and care of tracheal cannula

Child Tracheotomy Care Simulator

ITEM NO : **GD/H24**

Features:

1. Precise anatomy: pharynx, epiglottis, trachea, esophagus, position of tracheotomy, cricoid and left, right bronchial trees
2. Tracheotomy care
3. Sputum suction
4. Suction via oral cavity
5. Clean and care of tracheal cannula

Electronic Catheterization & Enema Training Simulator

ITEM NO : **GD/H27**

Features:

1. Male urethral catheterization: Lift the penis, simulating extending the urethra bend (curvatura prepubica). Gently introduce the catheter into the meatus and slowly advance it through the urethra (through cavernous body of urethra, membranous urethra and prostatic urethra). If the operation is correct, the green light will power on. Advance the catheter about 18-20cm and the red light will power on. The return of urine into the collection tubing signifies that the catheter is in the proper position.
2. Female urethral catheterization: Gently introduce the catheter into the meatus and slowly advance it proximally 4cm through the urethra. The catheter will arrive at bladder and the red light will power on. The return of urine into the collection tubing signifies that the catheter is in the proper position.
3. Enema: Introduce the catheter into the anus and advance it about 10cm through the anal canal.

Catheterization Simulator(Male)

ITEM NO : **GD/H28E**

Features:

1. Simulate real urethral catheterization operation training, realistic genitalia can carry out real urethral catheterization and genital care operation;
2. Fixed on bracket, can be operated on table;
3. With water-proof shorts which can be worn outside of clothes to operate, suitable for a group of two students to practice

Catheterization Training Simulator(Female)

ITEM NO : **GD/H28F**

Features:

1. Simulate real urethral catheterization operation training, realistic genitalia can carry out real urethral catheterization and genital care operation;
2. Fixed on bracket, can be operated on table;
3. With water-proof shorts which can be worn outside of clothes to operate, suitable for a group of two students to practice

Catheterization Training Simulator(Male)

ITEM NO : **GD/H17E**

Features:

1. General urethral catheterization process can be operated.
2. There are resistance when advance the catheter through mucosal fold, bulb of urethra and intraurethral sphincter.

Catheterization Training Simulator(Female)

ITEM NO : **GD/H17F**

Features:

1. General urethral catheterization process can be operated.
2. There are resistance when advance the catheter through urethral sphincter.

Transparent Catheterization Simulator(Male)

ITEM NO : **GD/H16E**

Features:

1. We design this simulator basing on the normal human anatomy.
2. The external genitalia are lifelike. Students can observe the organs in the pelvis, such as bladder, rectum.
3. The whole catheterization process can be seen because of the transparent abdominal wall.
4. The resistance will be felt when intubating, just as in real human. The external genitalia can be replaced.

Transparent Catheterization Simulator(Female)

ITEM NO : **GD/H16F**

Features:

1. We design this simulator basing on normal human anatomy.
2. The external genitalia are lifelike. Students can observe the organs in the pelvis, such as bladder, uterus and rectum.
3. The whole catheterization process can be seen because of the transparent abdominal wall.
4. The resistance will be felt when intubating, just as in real human. The external genitalia can be replaced.

Catheterization Simulator(Male)

ITEM NO : **GD/H18E**

Features:

1. Male internal genitalia and external genitalia
2. The students can directly observe catheterization process.

Catheterization Simulator(Female)

ITEM NO : **GD/H18F**

Features:

1. Female internal genitalia and external genitalia
2. The students can directly observe catheterization process.

Bladder Puncture Simulator(Male)

ITEM NO : **GD/H29E**

Features:

1. Accurate anatomical structure, obvious signs of bone, with foreskin for male;
2. Bladder washout and puncture operation
3. Bladder can be replaced, can inject fluid into bladder to achieve the state of filling;
4. Confirm the filling of bladder by percussion, puncture training can be repeated, realistic puncture resistance as in real human, there is obvious feeling when the puncture is correct;

Bladder Puncture Simulator(Female)

ITEM NO : **GD/H29F**

Features:

1. Accurate anatomical structure, obvious signs of bone, exposure of female urethra;
2. Bladder washout and puncture operation
3. Bladder can be replaced, can inject fluid into bladder to achieve the state of filling;
4. Confirm the filling of bladder by percussion, puncture training can be repeated, realistic puncture resistance as in real human, there is obvious feeling when the puncture is correct;

Wearable Artificial Defecation Simulator

ITEM NO : **GD/H37**

Simulate sidelying posture:

1. Wearable design and suitable for a group of two students to exercise
2. Made of imported material, soft skin , real operation process
3. With cloth elastic, length and tightness can be adjusted

Enema and Assisted Defecation Training Simulator

ITEM NO : **GD/H35**

Features:

1. Simulate bed patient and old people, who can defecate by themselves.
2. The abdominal wall can be opened so as to directly observe the operation.
3. Disassembly and washing is very simple.

Ostomy Care Simulator

ITEM NO : **GD/H38**

The model is designed to help introduce the essentials of ostomy care. The anatomy of latero-abdominal median incision, colostomy, ileostomy are carefully reproduced to provide lifelike functions and appearanc

Features:

1. The anatomy of colostomy and ileostomy are carefully reproduced to provide lifelike functions and appearance. The model can be operated in erect position or side-lying position.
2. Intubation feeding can be actually operated in the ileostomy.
3. Ostomy care can be operated in the colostomy, including excretion of synthetic stool, irrigation and stool bag care.

Size:38cm x 38cm x 26cm

Decubitus Ulcer Care Simulator

ITEM NO : **GD/H90E**

Features:

1. 4 stages of ulceration
2. Decubitus ulcer kinds: sinus, fistula, corruption scab, infection, bone exposure, eschar, suturing incision, Herpes and Monilia infection.
3. Incision washing, evaluation and measurement

Stage Decubitus Ulcer Care Simulator

ITEM NO : **GD/H90F**

Features:

1. 4 pieces of module of various stages
2. The students can wear the model.

Variola Lesion Modules

ITEM NO : **GD/H91**

Features:

1. Comes with six pieces of simulated pygal skin, which separately illustrate classifications of decubitus and demonstrate symptoms of congestion ruddy period, inflammation infiltration period, mild ulcer period and necrotic ulcer period;
2. Available evaluation on decubitus of different stages, length and depth measurement of wound, treatment and nursing.

Intradermal Injection Arm

ITEM NO : **GD/HS12**

Features:

There are eight positions for intradermal injection.

Decubitus Evolution Model

ITEM NO : **GD/H90D**

Features:

1. The model shows cutaneous reaction after smallpox virus infection which reveals variola characters of different clinical phases.
2. Demonstrate symptoms of prodromal stage, skin eruption period and scab period.

Diabetic Foot Nursing Simulator

ITEM NO : **GD/HS19**

Features:

1. Designed for nursing of foot pathological changes caused by diabetes
2. No.1,2,3 invasive trauma with minor foot infection
3. Display severe foot diseases, such as toe amputation, Charcot foot and gangrene, etc
4. Soft and elastic model material, bendable toes

Intradermal Injection Wrap

ITEM NO : **GD/HSP**

Features:

1. There're dozens of intradermal injection points for exercise on the ring wrap, which is easy to wrap around the manikin arm.
2. The angle of inserting needle can be 5°, and there will be a real hillock on the skin. The hillock is extremely close to the negative result of skin test, and it will disappear after liquid extraction.

Blood Sugar Collection Arm

ITEM NO : GD/HS18

Features:

1. The model is the right front arm, with accurate anatomical position and obvious body surface landmarks, marks like right hand, right fingers, right wrist and right front arm are obvious and touchable.
2. The simulated fingertip blood collection site on the right finger and the injury marks on right wrist are obvious, and can collect blood on right finger tips.
3. Can perform the compression hemostasis operation training on blood collection sites on right fingertips.

IV Arm

ITEM NO : GD/HS1

Features:

Lifelike arm reproduction with multi-vein system designed for peripheral intravenous therapy.

Multi-functional IV Arm

ITEM NO : GD/HS2

Features:

1. Lifelike arm reproduction with multi-vein system designed for peripheral intravenous therapy.
2. Deltoid intramuscular injection.

Full-functional IV Arm

ITEM NO : GD/HS3

Features:

1. The peristaltic pump can simulate blood circulation.
2. Lifelike arm reproduction with multi-vein system designed for peripheral intravenous therapy and deltoid intramuscular injection.

STD Examination Model

ITEM NO : GD/H92

Features:

1.The model is a pelvis of adult male. Penius in perineal region is lifelike with high fidelity and real feeling. It is made of polymer material, which is environment-friendly and pollution-free.

2.There are several neoplasms of different sizes on penius coronary groove, which has bright red color that could be used to judge cauliflower excrescence examination. meatus urinarius is red and swollen. Suppurative excreta flows out when squeezing. It is applicable for practice of smear gonorrhea examination.It has functions of male urethral catheterization and bladder rinsing.

Advanced Arterial Circulatory System

ITEM NO : GD/HS5D

Features:

1. There is built-in lithium battery in system, which is applicable for outdoor training and examination. It is almost compatible with all commercial arterial arms from different factories.
2. There is built-in blood storage space in system, so no need to attach simulated blood bag.
3. System could simulate arterial blood circulation. There are pulses when palpating the artery. Blood backstreaming occurs during puncture.
4. There is built-in “intelligent button” , which has different functions under different circumstances. And it is simple to operate.
5. It is available to conduct “one-touch” to quickly inject liquid, clean and evacuate. Pulses speed could be adjusted.

Advanced Venous Circulation System

ITEM NO : GD/HS5J

Features:

1. There is built-in lithium battery in system, which is applicable for outdoor training and examination. It is almost compatible with all commercial venous arms from different factories.
2. There is built-in blood storage space in system, so no need to attach simulated blood bag.
3. System could simulate venous blood circulation. There are pulses when palpating the artery. Blood backstreaming occurs during puncture.
4. There is built-in “intelligent button” , which has different functions under different circumstances. And it is simple to operate.
5. It is available to conduct “one-touch” to quickly inject liquid, clean and evacuate. Pulses speed could be adjusted.

Full-Featured High Simulation Infusion Arm

ITEM NO : GD/HS221

Features:

1. Anatomic landmark is obvious. There are multiple veins systems, like cephalic vein, basilic vein and venae mediana antebrachii distribute on arms.
2. It has actual blood circulation function produced by hemodynamics. Blood output speed could be adjusted accordingly. The upper limbs could be rotated 180°. It supports intravenous injection, infusion (blood transfusion), drawing blood, intramuscular injection on deltoids.
3. Hemodynamics controlling installation has built-in batteries. So no need to attach external power, which is portble.
4. It is available to conduct “one-touch” to quickly inject liquid, clean and evacuate. Pulses speed could be adjusted.

Electronic Veinpuncture Arm

ITEM NO : GD/HS5N

Features:

1.With reasonable structure, realistic operation and durability, the model provides a good training tool of injection, hemospasia and blood transfusion.

2.The model can be used repeatedly and the vein and skin can be readily replaced when damaged.

3.The alarm instrument will indicate whether the operation is correct.

IV Hand

ITEM NO : GD/HS5M

Features:

1.With reasonable structure, realistic operation and durability,the model provides a good training tool of injection,hemospasia and blood transfusion.

2.The model can be used repeatedly and the vein and skin can be readily replaced when damaged.

IV Elbow

ITEM NO : GD/HS5G

Features:

1.With reasonable structure, realistic operation and durability, the model provides a good training tool of injection, hemospasia and blood transfusion.

2.The model can be used repeatedly and the vein and skin can be readily replaced when damaged.

Elder Veinpuncture Arm

ITEM NO : GD/HS13

Features:

1.Simulate Asian elderly male right arm, elbow joint is slightly external rotation,thin skin, not very clear blood vessel;

2.Fine anatomical structure, with cephalic vein, basilic vein, medial cubital vein;all vessels can puncture;

3.Provide training of punctuation, infusion and haemospasia, etc. Punctureresistance can be felt during puncturing, there is obvious feeling when needle penetrates into the vein, and simulated blood flash back indicates correct puncture.

Intravenous Transfusion Leg

ITEM NO : GD/HS16

Features:

1. Simulate Asian adult left lower limb, slightly external abduction and rotation, highly simulated skin, fine skintexture, soft and elastic;
2. Accurate anatomical structure, great saphenous vein,superficial vein of interfeminium, superficial vein of lateralfemoris, small saphenous vein, dorsal venous network offoot, all blood vessel can puncture;
3. Provide exercise of blood vessel puncture, transfusion and haemospasia. Puncture resistance can be felt during puncturing, there is obvious feeling when needle penetratesinto the blood vessel, and simulated blood flash backindicates successful puncture.

Intravenous Transfusion Hand & Elbow

ITEM NO : GD/HS42

The product combines lightweight, fine details and convenience together. This self-contained trainer is packaged in aplastic case that can be converted into a work station. It is an ideal way to teach venous puncture technology.

Features:

1. The arm skin is made of imported material, life-like vein in the skin surface is visible and palpable
2. Veins are accessible at the antecubital fossa and along the forearm,making it possible to practice veinpuncture at any of the common sites
3. When puncturing through skin and veins, the skin will roll as you palpate the vein. A realistic flashback will be observed when the needle is accuratelyinserted into the veins. Under common use, a hundred of puncture can beoperated.
4. Can perform IVS and introduce over veins

Neonate Scalp Veinpuncture Simulatol

ITEM NO : GD/HS6E

Features:

1.The model has main veins of the scalp, including venae temporales superficiales vein and venae frontales, and can be used to infusion, injection and phlebotomy.

2.There is obvious feeling when needle penetrates into the veins.Blood fash back indicates proper insertion.

3.These operations won' t cause leaks.

Rotary Infant Veinpuncture Head

ITEM NO : GD/HS6G

Features:

1.The model shows cutaneous reaction after smallpox virus infection, which reveals variola characters of different clinical phases.

2.Demonstrate symptoms of prodromal stage, skin eruption period and scab period.

Infant Veinpuncture Head

ITEM NO : **GD/HS6F**

Features:

1. The model represents whole infant head and necks. It consists of main cephalic veins, including venae temporales superficiales, venae frontales, vena supraorbitalis, superior sagittal sinus and etc. You can exercise scalp venipuncture, hemospasia and superior sagittal sinus puncture.
2. There is obvious feeling when needle penetrates into the veins. Blood flashback indicates proper insertion.
3. These operations won' t cause leaks.

Infant Veinpuncture Leg

ITEM NO : **GD/HS34**

Simulate infant right leg and design the skeleton, skin, muscle and blood vessel according to the anatomical characteristic of infant leg. The model is life size and made of imported plastic material.

Features:

1. There is obvious feeling when needle penetrates into the vein. And blood flash back indicates proper insertion.
2. Provide trainings of instep veinpuncture, great saphenous veinpuncture, small saphenous veinpuncture.

Advanced Infant Access Simulator

ITEM NO : **GD/HS9**

This simulator permits instruction and training in the skills associated with injection, infusion and metachysis. The venous system consists of scalp vein, left and right arm veins, femoral vein, great saphenous vein, small saphenous vein and umbilical vein.

Features:

1. Scalp vein (brow scalp veins, superficial temporal veins) puncture, venous injection, infusion and metachysis
2. The median basilic vein on the right and left arm
3. Right leg - femoral vein
4. Right leg - great saphenous and small saphenous veins
5. Umbilical vein

Pediatric Veinpuncture Arm

ITEM NO : **GD/HS32**

Features:

1.The model consists of simulated pediatric arm model . with realistic blood flow and real operation;

2.Life size of pediatric left arm, made of imported thermoplastic material, soft skin, and with obvious osteal identification marker;

3.Bendable back of hand, provide training of opisthenar venipuncture, haemospasia and transfusion. There is obvious feeling when needle penetrates into veins. And blood flash back indicates proper insertion.

4.With basement support, beautiful and convenient.

Young Child Veinpuncture Arm Simulator

ITEM NO : **GD/HS33**

Life size of infant left arm, made of imported thermoplastic material, soft skin and have obvious osteal identification marker;

Features:

1.Bendable back of hand, provide training of opisthenar veinpuncture, haemospasia and transfusion.

2.There is obvious feeling when needle penetrates into the vein. And blood flash back indicates proper insertion.

Child IV Arm

ITEM NO : **GD/HS8**

Features:

1.Simulate the arm of child (4 years old).

2.Lifelike arm reproduction with multi-vein system designed for peripheral intravenous therapy.

IV Injection Kit

ITEM NO : **GD/HS14E**

Features:

1. This model is a wearable set.
2. The simulator can be used in injection training, infusion training, blood transfusion and hemospasia training.
3. 5 pieces inclueded in the kit.

IV Injection Kit

ITEM NO : **GD/HS14F**

Features:

The skin is realistic and the needle hole is not apparent.

Rotatable Radial Artery Puncture Arm

ITEM NO : **GD/HS4F**

The model can simulate artery haemospasia, artery injection and artery transfusion under the simulative arterial blood pressure. It can be rotated through mechanical device, which can move the damaged artery and avoid vascular leakage after puncturation. So the operation training can be repeated. This model is suitable for medical college, nursing academy, health school and clinic workers to teach and exercise artery puncture. Rotate the radial artery if the simulative arterial blood is damaged. Wrist skin and blood vessel can be replaced if they are damaged. The model is made from imported PVC plastic material and stainless steel model which is injected through high temperature, with features of reasonable structure, realistic operation, solid and durable, sterilization and cleaning of non-deformation.

Features:

1.Radial artery arm model, provide trainings of artery haemospasia, artery injection and transfusion, etc
2.Squeeze the air ball to simulate the arteriopalmus and real arterial blood pressure;
3.There is obvious feeling when needle penetrates into the artery, and blood fash back indicates proper insertion;
4.The damaged radial artery site can be rotated through mechanical device;

Artery Puncture Arm

ITEM NO : **GD/HS4E**

Features:

1.It can puncture the vascular system of the radial artery and ulnar artery in the arm.
2.Inflated by the balloon, it can provide arterial pressure and arterial pulsation.
3.Simulated blood return, skin and arteries can be replaced.
4.The upper limb can be rotated 180 degrees to facilitate simulation puncture practice.
5.Deltoid intramuscular injection.

Artery Puncture Hand

ITEM NO : **GD/HS4G**

Life size of left arm, made of imported thermoplastic material, soft skin and have obvious osteal identification marker;

Features:

1.Consist of simulative hand model and electronic blood circulation device, real blood flow, radial artery palpation, realistic touching feling;
2.Pulsation speed and strength can be adjusted;
3.Designed according to the anatomy of Asian male adult left wrist, made of impor thermoplastic material with soft skin and obvious signs of bone;
4.Palm upward, radial artery puncture, haemospasia, infusion, there is obvious feling when needle penetrates into the artery and blood fash back indicates proper insertion, unclear pinpoint after repeated puncture;
5.With transparent basement support, beautiful and convenient;

Child Arterial Injection Arm

ITEM NO : **GD/HS36**

Features:

1.Made according to the infant left forearm and life size, with obvious osteal identification marker.
2.Simulating radial artery pulse by pulse bulb manually, and confirm the injection site.
3.Providing trainings of radial artery puncture, haemospasia, and transfusion.There is obvious feeling when needle penetrates into the vein. And blood flash back indicates proper insertion.
4.Fixed on the clear basement support and can be operated on the table, convenient and beautiful.

Infant Artery Puncture Arm

ITEM NO : **GD/HS37**

Life size of infant left arm and obvious osteal identification marker

Features:

1. Simulate radial artery pulse by pulse bulb manually, and confirm the injection site;
2. Provide trainings of Radial artery puncture, haemospasia, transfusion; there is obvious feeling when needle penetrates into the vein, and blood flash back indicates accurate insertion.

Full-functional Vein Injection Arm

ITEM NO : **GD/HS39**

Com lete Vein uncture Arm:

1.venous access:Cephalic vein,Basilic vein,Median antebrachial vein,Dorsal venous net work.

2.This revolutionary training arm provides complete venous access for IV therapy and phlebotomy, plus sites for intramuscular and intradermal injections.An extensive 8-line vascular system alows students to practice venipuncture at all primary and secondary locations,including starting IVS and introducing OVER the Needle IV Catheters. The venous system simplifes setup with only one extermal fuid bagsupplying artificial blood to all veins simultaneously. The dorsal surface of the hand includes injectable metacarpal, digital, and thumb veins.The antecubital fossa includes the median cephalic, median basilic, and median cubital veins. Veinpuncture can also be performed alongthe basilica, cephalic, accessory cephalic and median antebrachial veins. Intramuscular injection may be performed in the deltoid muscleand intradermal injection sites are located in the upper arm. Intramuscular injections into the deltoid muscle are enhanced by the sof,ifelike skin and by the natural bony landmarks in the region. Intradermal injections using disilled water will create characteristic skin weltsat designated sites on the upper arm.

3.The realism of the Advanced Veinpuncture and Injection Arm is truly amazing. The soft, fexible fingers are molded separately with extreme attention paid to every detail-right down to the fingerprints! Flexion of the wrist helps students develop manipulation skills. The replaceable skin rolls as the veins are palpated, and a discemable“pop" is felt when entering the veins. The molding process reproduces the fine details of the skin to make the arm look and feel alive. Valves in the veins can be seen and palpated on the skin surface.

4.Simulated veins and skins are completely replaceable to keep this training arm looking and working like new. Under normal use, hundreds of injections may be performed before the veins or skins need to be replaced. Complete replacement kits are available and easy to use.

Electronic Intramuscular Injection Buttocks

ITEM NO : **GD/HS10A**

Features:

1. The model can be worn on.
2. Alarming sounds indicate whether the injection is correct.

Nursing Skills Training Simulator

Transparent Contrastive Intramuscular Injection Buttocks

ITEM NO : **GD/HS10B**

Features:

1.The transparent left side of the model shows internal structure including bones, muscles, nerves and veins, facilitating to compare left side with right side and avoiding damaging the nerves and veins.

2.Correct intramuscular injection sites can be palpated.

3.A buzzer and red color flashing light will warn students if the needle position is incorrect.

Contrastive Intramuscular Injection Buttocks

ITEM NO : **GD/HS10C**

Features:

1.Structure of left gluteal: osteal marks, gluteal muscules, ischiadic nerve and veins

2.Left gluteal can be taken off. So it is easy to observe intermal structure and make sure position of ischiadic nerve and veins.

3.Gluteal intramuscular injection training

Intramuscular Injection Buttocks

ITEM NO : **GD/HS10D**

Features:

1. There' s a mark to show the right position for injection.
2. The inject pad can be taken out for replacement.

Wearable Intramuscular Injection Upper-arm

ITEM NO : **GD/HS20E**

Features:

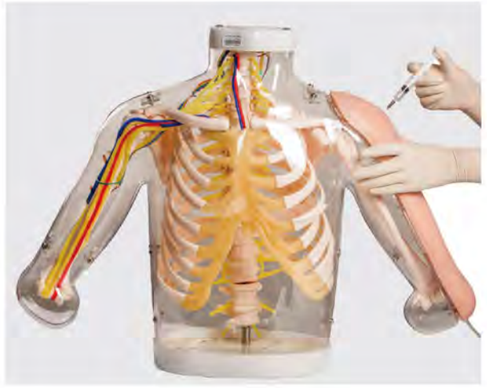
1. The simulator is wearable.
2. Red light and sound will alarm if injection is too deep or the position is wrong.

Transparent Contrastive Intramuscular Injection System

ITEM NO : **GD/HS20F**

Features:

1. The right upper-arm is transparent and nerve and vessels can be seen.
2. Red light and sound will alarm if injection is too deep or the position is wrong.
3. If needle touch the nerve, the indicating light will turn on and alarming sound will appear.
4. If the injection position is right, the green light will turn on.



Intramuscular Injection Kit

ITEM NO : **GD/HS18E**

Features:

1. The model is divided into three layers: skin, subcutis and muscle.
2. With features of lifelike shape, realistic touch and it is suitable for three kinds of injection hypodermic injection intramuscular injection and intracutaneous injection.
3. Available of liquid injection, drain the liquid after using.

Intramuscular Injection Training Kit

ITEM NO : **GD/HS18F**

Features:

1. The model is divided into three layers: skin, subcutis and muscle.
2. Wearable design makes it a convenient simulator for training.

Insulin Injection Pad

ITEM NO : **GD/HS17**

Features:

The pad is made of imported plastic material with soft and elastic skin and cloth elastic can be worn on the specific site of the patient for self-injection of insulin drug, such as: abdomen, thigh, upper arm, etc. The length and tightness can be adjusted. And the thickness of the pad is suitable for different specifications of injection syringe. The hard plate in the back would prevent wearing situation of pad.

BP Measurement Arm

ITEM NO : **GD/HS7**

Features:

1. The model is suitable for medical college, nursing academy, health school and clinic workers to teach and exercise blood pressure skills.
2. This product can be used as stand-alone, or cooperated with other products.

Dental Care Simulator

ITEM NO : **GD/H11**

Features:

The model can be used for the training of tooth brushing, dental floss ca

Adult Mouth Model with Full Teeth

ITEM NO : **GD/H11-1**

Features:

1. It can be separated into two parts: skin and mouth with all teeth.
2. Show tongue and adult full teeth, 32 teeth in all.
3. It is available to perform functional activities of opening and closing the mouth.

General Doctor®

Maternal and Infant Training Simulator

Obstetrics Skills Training System

ITEM NO : GD/F56

The simulator upgrades from GD/F55. Its system is developed according to the standardization training syllabus of the newest house staff and combined with requirement of clinical skills operation in gynaecology and obstetrics. It includes multiple subjects such as gynaecology, obstetrics, paediatrics, emergency treatment and nursing, which can be divided into puerpera and neonatus system. These two large scale systems cover first-aid knowledge points of the entire labor process, basic nursing, postpartum nursing care and BLS of infant and Mother, ACLS and PLS. It provides classical dystocia cases, e.g, normal labor, cord around neck delivery, breech dystocia, preeclampsia, caesarean birth, prolapse of umbilical cord, premature birth and potential hemorrhage before, during and after delivery, which instructs obstetrical workers to identificate different natal stages through partogram, diagnose abnormal labor stages in clinic and deal with it properly; to diagnose fetal distress in time by clinical fetal monitoring and handle it; and to train nursing care and emergency treatment for neonates. The software can self-edit clinical cases, simulate real clinical environment and cultivate students' ability in clinical diagnosis and team cooperation for labor and emergency cases.

Main functions of gravida delivery manikin:

Emergency treatment:

1. Standard airway management function: available orotracheal intubation and real-time display of intubation position on the computer;
2. Venipuncture: arm venous transfusion, deltoid subcutaneous injection, intramuscular injection of lateral thigh and deltoid;
3. Simulative drug treatment system provides multiple ways of drug administration; can make user-defined addition, medicine modification and drug list saving; and all kinds of drug effects cause physiological reaction;
4. CPR: there' s chest rise during insufflation; computer monitors compression position, compression depth and inflating volume; real-time graphical display of data; have statistic reports when the operation is over; can perform training and assessment for individuals and several persons together; English voice prompts during the entire process;
5. Simulate defibrillation and pace-making: show the operation procedure of medical defibrillator by multi-media animation; when it is used with simulative defibrillating handle, defibrillation and pace-making can be achieved; defibrillation energy is selectable, and the max energy is 360J;

Vital signs simulation:

1. Real-time monitoring changes of UC and FHR curves
2. Simulate all kinds of maternity chief complaint; moan, cough and vomit sounds and real spontaneous respiration authentically reproduces actual scenes of delivery room;
3. Carotid pulse and simulate variety airway obstruction;
4. Fetal heart sound auscultation,the heart rate can be adjusted;
5. Equipped with highly simulated cervix;
6. Simulate the autonomic breath, nose and mouth with airflow;
7. Simulate varieties breath models;
8. Hundreds of gravida's cardiopulmonary sound and bowel sound auscultation.

★ Simulative ECG monitoring: use finger-clamped SpO2 sensor to monitor SpO2; simulative ECG monitoring can be achieved when it is used with GD/J115, simulative multi-parameter ECG monitor. LCD simulative multi-parameter ECG monitor can provide 12-lead electrocardiogram, saturation of blood oxygen, breath, CO2, BP (arterial BP, central venous pressure, pulmonary arterial pressure, non-invasive BP), cardiac output, etc.; show the chest radiogram, ultrasonic cardiogram and 12-lead ECG synchronously; save hundreds of ECG internally, which can be used for training and assessment;

Simulate the whole process from expectant, parturition to postpartum nursing:

1. Type-B ultrasonic testing: provide dozens of clinical type-B ultrasound images; observe fetal physiological activities by type-B ultrasonic testing and judge whether placenta is normal;
2. Delivery: automatically demonstrate the delivery mechanism of left occiput anterior with spontaneous UC, engagement, descending, flexion, internal rotation, extension, restoration, external rotation, fetal shoulder and fetal delivery, and the delivery speed can be adjusted according to teaching requirements; air pump simulate UC of different intensity and duration; simulate delivery mechanism, there' s uterine contraction during the first stage of labor; descent is discontinuous: fetal head descent during UC and a little retraction during the intervals; after cervix dilates totally, the second stage of labor begins;
3. The descending position of fetal head is controlled by the software; coordinate modules of antenatal cervical changes and birth canal relation changes to know the conditions of fetal head descent and cervical dilation;
4. Simulate normal delivery, breech delivery and shoulder dystocia;
5. Four common maneuver can be used to solve shoulder dystocia: McRobert's Maneuver, suprapubic pressurization, shoulder rotation, knee-elbow supine position or combined maneuver;
6. Equipped with lifting "soft pad" for practicing Leopold maneuver;
7. Equipped with modules of antepartum cervical changes and birth canal relation changes, which can be fitted to maternal manikin for training:
   Stage 1: no dilation of cervix; cervical canal does not disappear; the position relation between fetal head and ischial spine place is -5;
   Stage 2: 2cm cervical dilation; 50% of cervical canal disappears; the position relation between fetal head and ischial spine place is -4;
   Stage 3: 4cm cervical dilation; cervical canal completely disappears; the position relation between fetal head and ischial spine place is -3;
   Stage 4: 5cm cervical dilation; cervical canal completely disappears; the position relation between fetal head and ischial spine place is 0;
   Stage 5: 7cm cervical dilation; cervical canal completely disappears; the position relation between fetal head and ischial spine place is +2;
   Stage 6: 10cm cervical dilation; cervical canal completely disappears; the position relation between fetal head and ischial spine place is +5;
8. Simulate multiple placenta positions, placenta fragments residual;
9. Perineum suture modules for practice, and there' re three incision positions: left inferior, median and right inferior;
10. Uterine massage postpartum 48 hours, great postpartum hemorrhage;
11. Puerpera nursing care (binding up, combing, overall cleaning, etc.)

Neonatal function:

1. Venipuncture: Neonatal scalp and arm venous punctures are available, and there' s a "pop" feeling and back flow of blood for successful venipuncture;
2. Nursing: washing eyes and drop administration; neonatal cleaning and binding up;
3. Neonatal CPR Training;
4. Have trachea cannula via mouth and nose to make sputum suction and gastric lavage;
5. Baby' s umbilical cord nursing;
6. Support multiple ventilation modes such as mouth to mouth, mouth to nose, and BVM to mouth and so on;
7. Artificial respiration;
8. Extracardial compression

System configuration:

1. Gravida manikin (for delivery and adult first aid)
2. Neonatal manikin (for first aid and nursing care)
3. Fetal manikin (for delivery)
4. Other auxiliary set

★ The mark shows that only when it used with optional accessories can some functions be realized.

Other optional accessories:

Model No.	Optional Accessory	Achievable Function
GD/AED99F	Automatic external defibrillator	Provide electrode button; English voice prompts during the entire process; Detect cardiac rhythm automatically and analyze if defibrillation is needed
GD/J115	Simulative multi-parameter ECG monitor	LCD screen ; Touch screen operation; Provide 12-lead ECG, saturation of blood oxygen, respiration rate, CO2 at the end of expiration, BP (arterial BP, central venous pressure, pulmonary arterial pressure, non-invasive BP) and cardiac output, etc.
Others	Real cardiac defibrillation pace-maker	Realize real defibrillation and pace-making in clinic
	Camera	Connected with local area network, features real-time colored video monitoring of every on-line student operating maneuver and process, which is easy for teachers to know about students' training and examination condition
	Computer	Connect to the system, install the software and achieve intelligent operation
	Computer control console	To place computer
	Stainless steel control console	To put the defibrillator or other devices
	Rescue operation console	To place the manikin

Maternal and Neonatal Delivery Emergency Simulator

ITEM NO : **GD/F55**

Features:

System components:

1. Gravida manikin(for delivery and adult first aid)
2. Neonatal manikin(for first aid and nursing care)
3. Fetal manikin(for delivery)
4. Other auxiliary set

Maternal manikin features:

(1) The mechanical gear device is equipped with two mechanical adapters for connecting simulative delivery fetus; fetus and adapter, the adapter and adapter, adapter and gear device are all fixed with elastic clamp device. There are system protective limit switches on both top and lower end of the gear device.
(2) The delivery process and fetus heart sound controller can suspend, initialize, start and continue the delivery process; delivery speed is adjustable according to requirement, have 1-4 steps;
(3) Fetal heart sound auscultation: can set fetal heart sound frequency and volume, heart rate is adjustable between"80-180";
(4) Can simulate head birth, breech delivery, narrow birth canal, cord around neck, fore-lying placenta, etc;
(5) With highly simulative cervix
(6) Equipped with lifting "Soft pad" for practicing Leopold maneuver;
(7) Equipped with antepartum cervical change and birth canal change modules, which can be fitted to maternal manikin for training;
Stage 1: no dilation of cervix; cervical canal does not disappear; the position relation between fetal head and ischial spine place is -5;
Stage 2: 2 cm cervical dilation; disappear 50% of cervical canal; the position relation between fetal head and ischial spine place is -4;
Stage 3: 4cm cervical dilation; cervical canal completely disappear; the position relation between fetal head and ischial spine place is - 3;
Stage 4: 5cm cervical dilation; cervical canal completely disappear; the position relation between fetal head and ischial spine place is 0;
Stage 5: 7cm cervical dilation; cervical canal completely disappear; the position relation between fetal head and ischial spine place is +2;
Stage 6:10cm cervical dilation; cervical canal completely disappear; the position relation between fetal head and ischial spine place is +5;
(8) Can measure fetal head descent and cervical dilation
(9) Can simulate multiple placenta position
(10) Can set venous channel in maternal arm for giving administration and nutrition
(11) Vulvar suture practice modules, including left lower, medial and right lower three incision position;
(12) Tracheal intubation training
(13) Manually simulate carotid artery pulse
(14) CPR training: artificial respiration and heart compassion available, electronic monitoring operation date and a voice prompt chest rise when inflation can be observed obviously. Electronic monitoring of inflation volume, times, frequency and compassion position, frequency and depth

Neonatal manikin features:

1)Nursing features: eye irigation and drops, neonatal washing and bandaging;
2)Oral and nasal intubation, infant sputum suction, tracheal intu bation and gastric lavage;
3)Infant umbilical cord nursing, scalp vein puncture, arm venous puncture, there is obvious feeling for venous puncture, and blood fash back indicated correct puncture;
4)Neonatal CPR:
Support multiple ventilation ways: mouth to mouth, mouth to nose, bag respirator to mouth; Can act artificial respiration; Can act external compression

Components:

- Advanced Delivery and Maternal and Neonatal Emergency
- Simulator (Matermal)
- Neonatal simulator (for deliver use)
- Neonatal Emergency and Nursing model
- Automated delivery and fetal heart sound controller
- Adult CPR electronic display
- BP Measurement Trainer
- Elasticity Cervix
- Cervix examination modules 5pcst
- Suture perineum mode! 3pcst
- 48 hours postpartum uterus
- Wooden Stethoscope, use for fetus heart
- Normal placenta (1 set)
- Residual placenta chipping (1set)
- Neonatal airway cannual
- Blood pressure Meter (with cuff)
- Stethoscope
- Talcum powder

Maternal manikin CPR training:

- Maternal manikin CPR training:
  Complying with AHA (American Heart Association) 2015 emergency guideline for CPR, can act artificial respiration and external compression;electronic monitoring of operation datas with voice prompt; can
- observe obvious chest rise while inflation;
  Electronic monitoring of inflation volume, frequency and compression site, frequency and depth;
  1) Inflation volume excessive: red bar
  2) Inflation volume correct: green bar
  3) Inflation volume Insufficient: yellow bar
  4) Infation into stomach -Stomach indicator turns to red
  5) Compression depth excessive: red bar
  6) Compression depth correct: green bar
  7) Compression depth Insufficient: yellow bar

Childbirth Simulator

ITEM NO : GD/F52

Features:

1.Demonstrate the whole process of delivery;
2.Demonstrate the fetus, umbilical cord and placenta of vacuum-assisted delivery, flexible fetal joint, and multiple normal and abnormal positions of fetal delivery can be showed;
3.Can practise and master the comprehensive skills of normal labor, abnormal labor (dystocia), midwifery and perineum protection.
4.Available training of multiple pregnancy (twin pregnancy)

Component:
A (Matrix For Delivery Demonstration)
B (Fetus For Demonstration) X 2

B Fetus For DemonstrationX 2

A Matrix For Delivery Demonstration

Advanced Childbirth Simulator

ITEM NO : GD/F53

Features:

1.Demonstrate the fetus, umbilical cord and placenta of vacuum-assisted delivery, flexible fetal joint, and multiple normal and abnormal positions of fetal delivery can be showed;
2.Equipped with manual delivery mechanical parts; with the help of hands, the whole delivery process, including engagement descending, flexion, internal rotation, extension, restoration, external rotation and fetal delivery can be showed;
3.Can practise and master the comprehensive skills of normal labor, abnormal labor (dystocia), midwifery and perineum protection;

Component:
C Matrix For Manual Delivery Demonstration
B Fetus For Demonstration

C Matrix For Manual Delivery Demonstration

B Fetus For Demonstration

Advanced Childbirth Simulator

ITEM NO : GD/F54

Features:

1.Demonstrate the fetus, umbilical cord and placenta of vacuum-assisted delivery, flexible fetal joint, and multiple normal and abnormal positions of fetal delivery can be showed;
2.Equipped with manual delivery mechanical parts; by manual , the whole delivery process, including engagement, descending, flexion, internal rotation, extension, restoration, external rotation and fetal delivery, can be showed;
3.Can practise and master the comprehensive skills of normal labor, abnormal labor (dystocia), midwifery and perineum protection;
4.Equipped with soft elevated cushion for L eopold Maneuver practice;
5.Equipped with models for cervical and vaginal examination practice before and at birth;

Component:
B (Fetus For Demonstration) + C (Matrix For Manual Delivery Demonstration) +
D (Cervical Changes Models) + E (Lifting Soft Pad For Leopold Maneuver Practice)

B Fetus For Demonstration

C Matrix For Manual Delivery Demonstration

D Cervical Changes Models

E Lifting“Soft Pad”For Leopold Maneuver Practice

Pelvis Measurement Simulator

ITEM NO : **GD/F22**

Features:

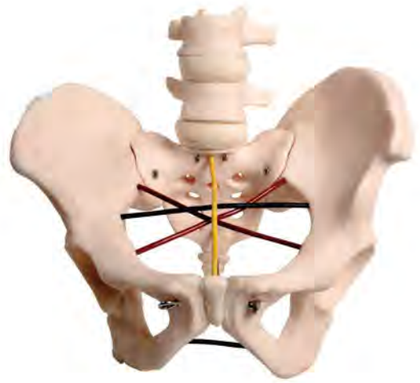
1. An adult female simulator with flexible articulation, which has all kinds of body position for pelvic measurement.
2. Obvious anatomic landmark, which is easy for operating location.
3. Hypogastrium equipped with a transparent window, through which skill points in the wholeprocess of internal pelvimetry can be seen.
4. Internal pelvimetry
5. External pelvimetry

Pelvimetry Demonstration Model

ITEM NO : **GD/F24**

Features:

1. An adult pelvic model, life size, with accurate anatomical structure.
2. Show three planes of pelvic cavity: a) pelvic inlet plane b) pelvic midplane c) pelvic outlet plane
3. Consists of structures of hip bone, sacrum, sacral promontory, coccyx, ischial spine, ischial tuberosity, sacroiliac joint, iliopubic eminence, pubic symphysis and the 4th and 5th lumbar vertebrae, etc.



Leopold's Maneuvers, Anal and Vaginal Examination Simulator

ITEM NO : **GD/FW3**

Features:

1. The simulation model is made from good material with vivid appearance, soft and elastic texture and realistic feeling.
2. Allow to aerate the abdomen to adjust upheaval, and have Leopold's maneuvers training and assessment.
3. Allow to have vaginal and anal examination to ascertain the fetal position.
4. Pelvic measurement.

Maternity Examination Simulator

ITEM NO : **GD/FW2**

Features:

1.Can practice palpation, embryo heart sound auscultation, pelvic measurerhent and mammary nursing training.
2.In order to simply the using and management, through external ball can give intrauterine injection of air,adjusting the inflating volume can make it become the most close state of human body.
3.Inner positioned simulative bone can practice the pelvimetry and abrome measurement.
4.Using computer clip to control the voice synthesizer can hear the real cardiac sound, cardiac sound speed andvolume can be adjusted any time.
5.Available the wood and stethoscope to practice cardiac sound, cardiac sound can also be heard from thespeaker on the board.

Maternity Examination Simulator

ITEM NO : **GD/FW1**

Features:

Except the function of cardiac sound auscultation, other functions are same with GD/FW2.

Prenatal Cervical Change Model

ITEM NO : **GD/F20G**

Features:

1. Six labor stations selected to represent conditions of the cervix and vagina prior to labor, during labor, and at birth.
2. Equipped with antepartum cervical change and birth canal change modules, which can be fted to matemal manikin for training;

Stage 1: no dilation of cervix; cervical canal does not disappear; the position relation between fetal head and ischial spine place is -5;
Stage 2: 2 cm cervical diation; disappear 50% of cervical canal; the position relation between fetal head and ischial spine place is 4;
Stage 3: 4cm cerical dilation; cervical canal complelely disappear; the position relaion between fetal head and ischial spine place is - 3;
Stage 4: 5cm cervical dilation; cervical canal complelely disappear; the position relaion between fetal head and ischial spine place is 0;
Stage 5: 7cm cervical dilation; cervical canal complelely disappear; the position relaion between fetal head and ischial spine place is +2;
Stage 6:10cm cervical dilation; cervical canal completely disappear; the position relation belween fetal head and ischial spine place is +5;

Childbirth Skills Training Simulator

ITEM NO : GD/F20

This model consists of pelvic cavity, fetus (with umbilical cord and placenta), cervix check model (cervix change | of antepartum), perineum cutting and suturing training simulator and etc. With lifelike shape, cervix check and childbirth procedure can be operated. Trainees can simulate proper childbirth procedure, assisted delivery, perineum protecting and episiotomy.

Features:

1. Cervix check modl:Size of cervical ora, effacement of cervical canal andthe position of fetal head corresponding to the plane of ischial spine can be checked.
2. Fetus model:The skin is soft and fontanel is visible. Vacuum extraction, umbilical cord ligation and placenta expulsion can be exercised.
3. Childbith model:The model consists of transparent abdominal wall and lfelike skin. Simulate normal or dfficult labors, assisted delivery and perineum protecting.
4. Perineum cutting and suturing training simulator:The simulator can be used repeatedly. One set of the simulator consists of three components; separately simulate the right posterior incision, left posterior incision or median incision.

Advanced Wearable Gravida Simulator

ITEM NO : GD/F21

Features:

1. The model is applicable to male adult, unmarried female, student and premarital education and leaming;
2. 13kgs abdominal weight can realistically simulate 40weeks of pregnancy; can also simulate different weeks of pregnancy via adjusting the liquid in the uterine cavity;
3. Wearable design, can carry out four maneuvers of Leopold, breast nursing and other prenatal diagnosis;
4. Wear it and experience chest distress, lumbago, urinary frequency and other physiological state because of hysterauxesis during gestation period; can also experience pregnant women' all kinds of inconvenience;
5. Inject warm water into uterus to simulate amniotic fluid, can also measure uterus height and abdominal circumference;

Advanced Fundus of Uterus Examinationand Evaluation Simulator

ITEM NO : GD/F31

Features:

1. With normal physiological changes of the postpartum women, provide assessment of postpartum fundus of uterus and massage skills training;
2. Hip joint is movable and can be placed correct body position.
3. Realistic anatomical landmark of united bones of toes;
4. Interchangeable Uterus:
   - Normal uterus
   - Postpartum uterus of the first hour
   - Postpartum uterus of the second day
   - Postpartum uterus of the second week
   - Callous uterus with good contraction
   - Soft uterus without good contraction
5. Expansion of vaginal orifice
6. Easy to separate the labium minus and expose the vagina,
7. Lear energy of cunnus

Vacuum Delivery Simulator

ITEM NO : GD/F8

Features:

1. Can demonstrate all the standard delivery procedures.
2. Consistent with the real pelvic verity size and with main anatomical marks.
3. Fetus model: the skin is soft and fontanel is visible, vacuum extraction can be exercised.
4. Flexible fetus joints fetal position through transformation demonstrate a variety of normal and abnormal position of childbirth.

Difficult Labor Simulator

ITEM NO : GD/F4

Features:

1. Can demonstrate strate all the situation of abnormal birth.
2. Inflatable demonstrate the narrow of the pelvis.
3. Simulate the abnormal fetal position, can process presentation dystocia.

Manual Delivery Mechanism Demonstration Simulator

ITEM NO : **GD/F6**

Features:

1. Vertical section model, designed in accordance with the human physiological anatomy structure.
2. Accurate anatomic marks, obvious outine of uterus and bony pelvis.
3. Delivery mechanical parts demonstrate the whole delivery process, including engagement, descending, flexion, internal rotation, extension, restoration, external rotation and shoulder delivery.
4. Simulation birth canal skin, simulate the real delivery situation.
5. The fetal skin is soft and fontanel is visible.

Pelvis with Fetal Heads Model

ITEM NO : **GD/F23**

Features:

1. Consist of a female pelvis and two fetal heads;
2. Two fetal heads: one is full-term, the other is premature;
3. Each crania! sutures and anterior and posterior fontanels are palpable on fetal skul;
4. Fetal heads are fixed on flexible shaft through the pelvis;
5. Can observe the position relation of the fetus and pelvis during delivery;
6. Intuitionally demonstrate the bith process of engagement, descending, flexion, intermal rotation, extension, restoration, external rotation and fetal delivery;
7. Can demonstrate forceps and vacuum assisted deliveries.

Episiotomy Training Simulator

ITEM NO : **GD/F3A**

Features:

1. This model is designed for practice of perineum cutting and suturing.
2. The main structure of the simulator is a perineum, which is made of simulative foam, and the inner muscle is soft PVC. The simulator is mounted on a plastic framework.
3. There are two handles in the back and bottom of the simulator to adjust tension of the perineum.
4. Right posterior incision, left posterior incision or median incision can be selected to exercise perineum cutting and suturing.

Vulva Suturing Training Simulator

ITEM NO : **GD/F3B**

Features:

Right posterior incision, left posterior incision or median incision can be selected to exercise perineum cutting and suturing.

Amniocentesis Model

ITEM NO : **GD/F50**

Features:

1. Simulate the standard supine position of the patient.
2. With accurate anatomical position and obvious body surface landmarks, marks like navel and anterior superior spine are obvious and touchable, which is easy for puncture positioning.
3. Can perform the operation training of amniocentesis through the abdominal wall, and can feel the falling after successful puncture, then extract model fluid.

Vaginal Culdocentesis Simulator

ITEM NO : **GD/F51**

The model consists of cortex, fxed abdominal visceral organs, uterus, uterine-rectal concave haematodocha, vagina, rectal water sac and the stand. The cortex is used as the cover of the whole model; the devices used in belly are to fx functional visceral organs on their own actual locations. And four parts (uterine rectal concave water sac, rectal water sac, uterus and vagina) are inlayed into the device. The stand can hold the whole model and keep its breech up, which makes operation simple. The uterine-rectal concave haematodocha and rectal water sac are of cystic structure where to connect two drainage tubes to have liquid infused into.

Features:

1. The simulation model is made from advanced materials with correct anatomical positions, soft and elastic skin, lrue feling and real pathological tssue;
2. Penetrate into median fornix posterior, which is 1 cm inferior to the joint of cervix and vagina mucosa, parallel to cervical canal with a No.7 puncture needle, and light red liquid extraction means successful centesis;
3. If punclure isn' t operated according to the conventions, e.g. if the operator pierces into the rectum, there will be yellow liquid extraction, which shows puncture failure;
4. If operator doesn' t insert the needle according lo the convention but pierces bilterally without destination, it will hurt surrounding organs, which shows puncture failure.

Gynecological Examination Simulator

ITEM NO : **GD/F30P**

Features:

This is an adult female torso with simulated abdomen and pelvis can demonstrate the following:

- ●Palpation of normal uterus
- ●Bi-manual pelvic and tri-manual pelvic examination
- ●Examine the normal cervix via vaginoscope and coplposcope
- ●Place and remove the IUD
- ●Pregnant uterus and postpartum uterus examination
- ●Observe the uterus, ovaries, fallopian, round ligament and other anatomy structure of pelvic
- ●Anteposition and retroposition of uterus can be adjusted
- ●Pelvic measurement

Advanced Gynecological Training Simulator

ITEM NO : **GD/F35**

Features:

I. Include all the functions of GD/F30s (gynecological examination simulator).Incducing bimanual and tri-manual gynecologic examination for changes of normal, abnormal uteri and accessories; vaginal speculum or electronic colposcopy for nomal and abnomal cervical changes.
2. Hysteroscopy for changes of normal and abnormal uterine cavity.
3. Visualized laparoscopy to observe the structure of uteni, accessories and round ligaments .
4. Palpation for pregnant utenus and postpartum uterus models.
5. Vagina is dilated. With vaginal speculum, training of placing and taking out contraceptive device such as female condoms, contraceptive sponge, vaginal diaphragm (cervical cap) and others is available.
6. Transparent uterine antetheca for observing the process of placing and taking out IUD.
7. Replaceable cervical and uterine models.

The components:

Normal and abnormal uterus and accessory models (for bimanual and tri-manual examination)

1.Normal uteri and accessories (transparent uterine antetheca in the gynecological examination model): IUD can be placed and taken out;
2. Normal uterus with proper retroflexion;
3. Fibroid;
4. Uterus with right salpingitis;
5. Uterus with left salpingitis;
6. Uterus with obvious anteversion and anteflexion;
7. Uterus with deformity and right salpingitis;
8. Uterus with right ovarian cyst.

Palpation for pregnant and postpartum uterine models

1. Early pregnancy uterus: 6- 8 weeks;
2. Early pregnancy uterus: 10-12 weeks;
3. Pregnant uterus: 20 weeks;
4. Postpartum uterus: 48 hours.

Normal and abnomal cervix models (for vaginal speculum and electronic colposcopy)

1. Normal cervix;
2. Chronic cervicitis with cervical erosion;
3. Cervical avulsion;
4. Cervical polyp;
5. Cervical infammation with Nabothian cyst;
6. Acute suppurative cericitis;
7. Cervical adenocarcinoma.

Normal and abnormal uterus models (for hysteroscopy)

1. Normal uterus;
2. Endometrial polyp;
3. Endometial hyperplasia;
4. Fibroid;
5. Early endometrial cancer;
6. Late endometrial cancer (progressive) accompanied with hydrops or empyema in the left accessony;
7. Uterine fundus cancer.

Gynecological Examination Simulator

ITEM NO : **GD/F30S**

Features:

This is an adult female torso with simulated abdomen and pelvis, can demonstrate the following:

- Palpation examination of normal and various abnormal uterus
- Bi-manual pelvic and tri-manual pelvic examination
- Examine the normal cervix via vaginoscope and coplposcope
- Macroscopic observation normal and various abnomal lesions cervical
- Place and remove the IUD
- Observe the size and location of diaphragm
- Observe the uterus ovaries fallopian, round ligament and other anatomy structure of pelvic

Breast Examination Simulator

ITEM NO : **GD/F7A**

Features:

1. Natural lifelike female breast model can practice the inspection and palpation of breast.
2. Wearable structure design can better breast self-examination training.
3. Each part of the breast tumor:
- Malignant tumor: hard, fxed, iregular surface
- Benign tumor: relatively soft, smooth surface
- A hard frontal lymph nodules
- Strip type lobular hyperplasia
4. The change of nipple and skin:
- The sag of nipple and skin

Advanced Inspection and Palpation of Breast Simulator

ITEM NO : **GD/F7B**

Features:

1. Contains various common typical signs of breast tumor, specially designed for clinical diagnosis
2. Good quality import material
3. Different area provide different simulative characteristics can sufficiently meet the teaching requirement
4. The model provides the fllowing pathological:
- Nodule: malignant tumor: hard, fixed, iregular surface
- Benign tumor: relatively soft, smooth, surface
- Lymph metastases: armpit and neck can touch the hard lymphnodules sagging
- The change of nipper: sagging nipple has burst and blood liquid flow out
- The charge of skin: sagging skin, orange peel appearance

Breast Examination and Postoperative Care of Mammectomy

ITEM NO : **GD/F7E**

Features:

The model could be laid flat on table for teaching demonstration. It also could be hung in front of the chest. Conduct breast lumps palpation by stting or dorsal position. Lumps of benign and malignant tumor are put into each side of mammary tissue to make | palpation more convenient. It is available to identify comparatively and make a definite | diagnosis through position, size, texture, and features like moving or fixed on the basis of palpation. The model is very useful for differential diagnosis of benign lump and malignant tumor of breast. Moreover, it is available to perform postoperative care of mammectomy of one side.

Fetal Development Model

ITEM NO : **GD/FT336**

Features:

1. Be placed in the beautiful rigid box, divided into 9 different process of embryo development: 20 days, 26days, 35days, 7- 8 weeks, 63 days, 13 weeks, 15weeks, 5 months, 7 months
2. Videos vividly describe the embryonic development, the magical process of embryonic growth and reveal the mysteries of life

Breast Examination Simulator

ITEM NO : GD/F7C

Features:

1. Simulale a female upper body with moderate size breast, be made of imported material, soft skin and realistic louch feeling
2. Can be tiled on the desktop to demonstrate teaching
3. With cloth elastic and can be worm in front of breast for self- examination, adjustable length and tightness
4. Breast tumor and typical features:

1) Hyperplasia of mammary glands
2) Slick fninge of the benign tumor and movable;
3) Lots of dffrent size and hardness malignant tumor in mammary glands
4) Melaslasis of malignant tumor and lymph, intumesce and accretion of absorbent gland in left arm pit and clavicula
5) Sagging breasts
6) Tangerine peicarp-like changes of skin
7) Suffusion of one side mamilla

Operation Model for Mammary Abscess Examination

ITEM NO : GD/F7D

Breast model displays lesion:

1. Gathered breast: there is lump in one breast, which is located at upper outer quadrant. Skin hyperemia occurs on the surface of the skin, which is pink with soft texture. It is movable and fiuctuation occurs. There is fester when conducting puncture. Its size is 3*3 cm.
2. Subareolar abscess is locates at lower inner quadrant. Skin hyperemia occurs on the suface of the skin, which is pink with soft texture. It is movable and fuctuation 0ccurs. There is fester when conducting puncture. Its size is 2*2 cm.

Model size: common size

Material: imported high quality thermoplastic complex gums material.

24/30 Weeks Premature Infant Simulator

ITEM NO : GD/FT331A / FT331B

Features:

1. With physiological features of preterm infant: Under 2500 grams in weight, less than 47cm in body length, soft skin with bright red, thin epidermis and visible of blood vessel, loose and wrinkling facial skin, fabby cenvical muscle, hypotonia of imbs, hypertichosis lanuginose, soft ear conch, unclear areola mammae, lttle dermatoglyphic patterns of sole, retained testicle of male infant, and labium majus can not cover labium minus for female; Can observe the physiologic icterus
2. Bregmatic Palpation for preterm infant, broad seam of bones of cranium, large fontanel and soft finge of fontanel
3. Cleaning and bathing exercise of preterm infant in the incubator
4. Sputum suction and nasal feeding practice

High Intelligent Infant Simulator

ITEM NO : GD/FT330

Features:

1. The infant simulator is made of imported thermoplastic, with features of high and low temperature resistant, non-deformation, flexible and water-proof and realistic shape.
2. Totally three sets of nursing and care procedures which are suitable for most of the babies' anxiety. Baby would show the anxiety feling. such as noisiness, and crying from time to time. Leamers can take correct nursing accordingly

3. The whole procedure would take continuously for 48 hours. And in every 48 hours, there will be 25-27 times of care process accurs from time to time, and each time would last 5 to 30 minutes. During these times, students should focus on caring for their "children". And the total caring time within the 48 hours for the students is 7 hours.
4. Provide a set of key. Students will use the key to let the noisy and disturbing baby quiet down without intemupting the whole simulating procedure. And students must make correct judgment for baby crying so as to solve the problem wifth the correct key. what is so-called one key for one lock. If you use the wrong key, the baby would continue crying.
5. One "Emergency Key" is used to make baby quiet down when students can not make correnct judgment and take correct nursing for baby cnying because of without the whole simulating device.
6. The control box would remind teachers and students of their wrong nursing way.

Infant Nursing Simulator(male/female)

ITEM NO : GD/FT13

Features:

1. Realistic fontanels, coronal suture and parietal suture
2. Place nasal and oral gastric tubes
3. Rectal temperature measurement
4. Umbilicus nursing
5. Realistic testiculus in the scrotum
6. Training of bathing, lactation, enema,cord nursing

Term Fetus

ITEM NO : GD/FT1

Newborn Baby with Visible Umbilical Cord

ITEM NO : GD/FT2

Newborn Baby Without Umbilical Cord

EM NO : GD/FT3

One-Month Baby

ITEM NO : GD/FT4

Transparent Curettage Simulator

ITEM NO : GD/FT32

This model is designed for learners to learn arfificial abortion curettage in clinical practice. It allows beginners to learn the anatomy of obstetrics and gynecology, and practice dilation, curettage, urethral catheterization and other related operation. And it is useful for classroom teaching.

Features:

1. Transparent casing, solid, beautiful and visible of the pelvic internal structure, operation steps can be observed if they are correct
2. Good fexibility of vagina, vaginal speculum can be used, soft and elastic uterine material, realistic shape
3. Soft touching feling of genitals, simulation shape, correct structure of the labia majora, labia minora, urethra, vagina
4. Realistic internal anatomical structure: utenus, fllopian tube, ovary, bladder, ureter
5. Uterine dilator and curet can be inserted into cervix
6. With basement support and can fix the utenus in the right position
7. Transparent curettage demonstration model: anteversion position ,horizontal position, and retroversion position
8. Equipped with curettage residue

Advanced Artificial Abortion Simulated Uterus

ITEM NO : GD/FT33A

This model is designed for students to learn artificial abortion curettage in clinical practice. It includes three modules: horizontal position utenus, anteversion uterus of 6-7weeks pregnancy, and retroversion utenus of 6-7 pregnancy.

Features:

1. Imported material, soft and elastic, realistic shape
2. Three pregnant uterus can be open and add to simulated gestation sac
3. Uterine dilator and curet can be inserted into cervix; can simulate curettage operation and the simulated gestation sac can be scraped
4. With basement support and can fx the uterus in the right position

Female Contraception Simulator

ITEM NO : GD/FT33B

Features:

1. Accurate anatomical structure: soft abdominal wall, uterus, accessories, etc
2. Designed for female contraception and skills operation
3. The transparent part can help to observe the placement of intrauterine anticonceptive device, and operators can observe if the steps are correct
4. Indicate three different position of uterus; anteversion position, horizontal position, and retroversion position
5. Practice bimanual examination techniques, placing and removing the vaginal diaphragm, intrauterine anticonceptive device and foam sponge anticonceptive device

Male Condom Simulator

ITEM NO : GD/F5M

Features:

1. Lifelike model is used to demonstrate the use of condoms.
2. An erect penis, 12 pcs condoms, syringe.
3. Simulate ejaculation operation process.

Advanced IUD Training Simulator

ITEM NO : GD/F5L

Features:

This model is designed based on real anatomy of female genitalia, it used to instruct or train the insertion and remove IUD.Display the following anatomic structure:bladder, labia majora, vagina, tailbone,pubic bone, labia minora, uterus rectum

IUD Training Simulator

ITEM NO : GD/F5N

Features:

1. Basing on real anatomy of female genitalia, we designed this model for instructing or training of insertion or removal IUD.
2. The uterus is in coronal section and covered with transparent plastic window. So students can directly observe whole insertion or removal process.

IUD Training Simula

ITEM NO : GD/F9F

Features:

The model accurately shows uterine laterial section and internal structure of the internal genital, clearly observe IUD insertion and placement process.

Female Contraception Practice Simulator

ITEM NO : GD/F9B

Features:

1. Imported material, high-quality and environmental protection.
2. Simulate anteversion uterus, fallopian tubes, labium, vagina and transparent abdominal wall cover in the pelvic cavity.
3. Expansion of vagina, the use of vaginal speculum, operation of female condom, contraceptive sponge and cervical cap.

Subcutaneous Embedded Contraception Simulator

ITEM NO : GD/F9D

Features:

1. Imported material, realistic touching feeling, simulate deltoid muscle
2. Be mounted on the base plate, practice subcutaneous embed and removing of contraceptive material

Subcutaneous Embedded Contraception Arm

ITEM NO : GD/F9C

Features:

1. Imported material, realistic model, simulating left upper arm and lampros layer, and be mounted on the base plate
2. Exercise of subcutaneous embed and dislodging contraceptive material
3. Skin can be fixed
4. Standby skin and 12 pcs insertion tube, can be replaced

IUD Training Simulator

ITEM NO : GD/F9E

Features:

The model accurately shows uterine laterial section, with transparent membrane covering on the model, can clearly observe IUD insertion and placement process

Vasoligation Training Simulator

ITEM NO : GD/F9G

Features:

1. Accurate anatomic structure. Can touch the vas deferens on the upper end of the testis
2. Training practice can be done in the classic way: to cut off or ligate the vas deferens to block the output of sperm and ensure sterilization
3. Training practice can also be done as per new technology : No Scalpel Vasectomy (NSV), to block the output of sperm and ensure sterilization
4. Provide easily replaceable genital parts (including two pieces of testis and mobile scrotal skin and two pieces of vas deferens. Can be used repeatedly in training practice

General Doctor®

Human Systems Anatomical Model

Human Body Muscles With Internal Qrgans

ITEM NO : GD/A10001(170cm)

Features:

The model is placed on the base plate, consists of male head, neck, torso and upper and lower limbs; comparative display of skin,muscles, thoracic cavity, abdominal cavity and pelvic cavity, etc; can be dissected into 28 parts; 240 positions are displayed;

Size: Life size

Material: Imported PVC and paint color matching by computer, advanced color painting

Dual Sex Torso:20-Part

ITEM NO : GD/A10002

Features:

1. This life-size, sexless torso is appropriate for any human anatomy course. All of the major organ systems are represented with great attention and accuracy to detail.
2. Structures are numbered and identified on the accompanying key.
3. The head is open, exposing one half of the brain. The neck is dissected ventrally to expose neural and vascular structures. The thorax and abdomen are completely open, affording an unrestricted view of the internal organs and structures.

Size:Life size

Material:Advanced PVC and paint

Dual Sex Torso With Open Back:32-Part

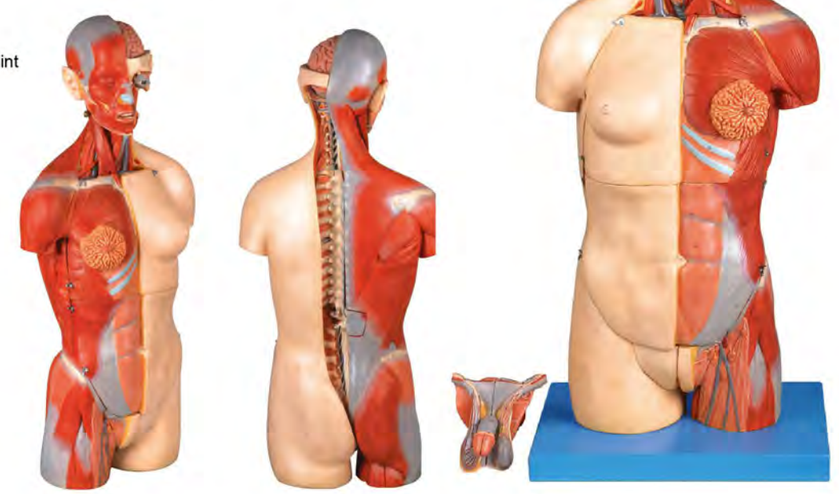
ITEM NO : GD/A10003

Features:

1. This sexless, life-size torso is accurate in all of its detailing.
2. Anatomical structures of the major body systems are numbered an identified on the accompany key. The head is sectioned to expose one half of the brain.
3. The neck is dissected through the ventral surface to show muscular, neural, vascular, and glandular structures. The thorax and abdomen are completely open, for an unrestricted view of the internal organs and associated structures.
4. The back is dissected, revealing the muscular layers, vertebral column, spinal cord, and nerve branches.

Size:Life size

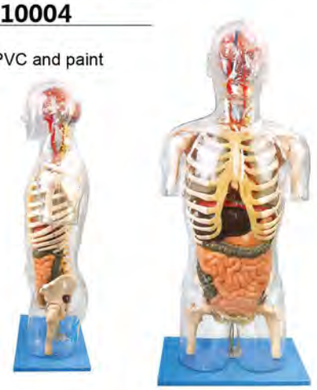
Material:Advanced PVC and paint



Transparent Torso with Internal Organs

ITEM NO : GD/A10004

Material: Advanced PVC and paint



Transparent Torso with Main Neural and Vascular Structures

ITEM NO : GD/A10005

Material: Advanced PVC and paint

Transparent Half Body with Bones & Muscle Model

ITEM NO : GD/A10006

Features:

Put the model on the placode, showing main bones and muscles of upper body. It shows indication signs of 50 parts.

Size: Life size

Material: imported PVC material, imported paint, computer color matching, advanced painting

Nasal, Oral, Pharynx and Larynx Cavities

ITEM NO : GD/A13001

Features:

1. A. model of the respiratory system, including the oral, nasal cavities, pharynx and larynx.
2. The upper respiratory tract is dissected into two pieces along the medial sagittal plane.
3. Ten parts and 113 positions are displayed.

Size: Two times of Life size

Material: Advanced PVC and paint

Sexual Exchange Body and Head and Neck Model

ITEM NO : GD/A10007

Features:

Put the model on the placode, showing structures like main muscle, body, head and neck as well as viscera, etc. It shows indication signs of 300 parts.

Material: imported PVC material, imported paint, computer color matching, advanced painting

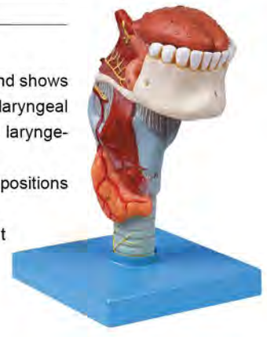
Larynx With Tongue and Teeth

ITEM NO : GD/A13003

Features:

1. This modei consists of 5 parts and shows the anatomical structure of laryngeal cartilages, laryngeal muscles, and laryngeal cavity.
2. All parts are in life size and 55 positions are displayed.

Maternial:Advanced PVC and paint



Larynx,Trachea and Bronchial Tree Model

ITEM NO : GD/A13006

Features:

1. A life size model sectioned longitudinally to reveal details of in-ternal structures, including larynx, trachea, lefl and right main bronchus, segmental bronchi, etc.
2. 50 positions are displayed.

Size:L ife size

Material:Advanced PVC and paint

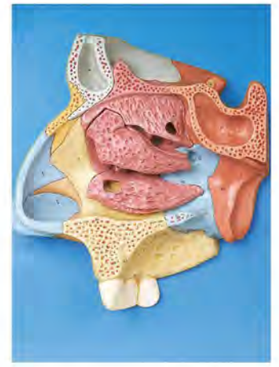
Median Sagittal Section of Nasal Cavity

ITEM NO : GD/A13002

Features:

1. Nasal cavity is magnified.
2. The upper respiratory tract is sectioned along the medial sagittal plane.

Material:Advanced PVC and paint



Functional Model of Larynx

ITEM NO : GD/A13005

Features:

1. This model shows the anatomical structure of lanyngeal carfilages, aryngeal muscles, and laryngeal cavitly.
2. Criooarylenold joint can be moved, simulaling opened or closed glottis.
3. 24 posilions are displayed.

Size:Three times of Life size,

Material:Advanced PVC and paint

Larynx

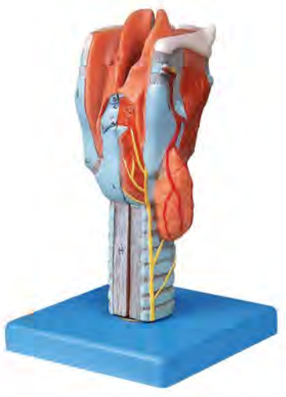
ITEM NO : GD/A13004

Features:

1. A life-size model sectioned longitudinally to reveal details of internal structures, including laryngeal cartilages, laryngeal muscles, laryngeal cavity, muscle, vessels, nerves, and thyroid gland.
2. The model consists of 2 parts and 33 positions are displayed.

Sze:life size

Malaial:Advanced PVC and paint

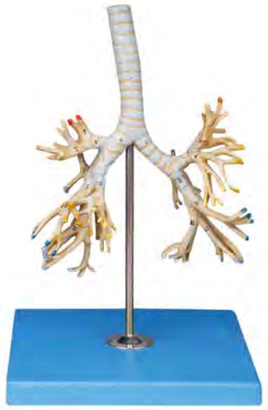


Bronchial Tree

ITEM NO : GD/A13007

Features:

1.The model shows trachea, left and right main bronchi, lobular bronchi and segmental bronchi.
2.26 parts are displayed.
Size:L ife size
Material:Advanced PVC and paint



Transparent Lung Segment Model

ITEM NO : GD/A13009

Features:

The rodel shows 10 lungsegments of the left and right lungs.

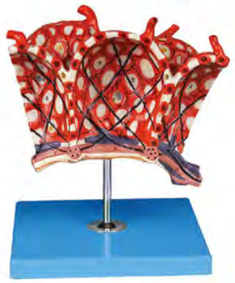
Size:Magnified
Material:Advanced PVC and paint

Lobule and Alveolus of Lung

ITEM NO : GD/A13011

Features:

1. This unit consists of Lobule model and Alveolus model.
2. GD/A1301 1/1: Magnfied lobule shows terminal bronchiole, respiratory bronchiole, alveolar epithelium, etc. 25 positions are displayed.
3. GD/A13011/2: Magnified alveolus shows alveolus, alveolar epithelium, alveolar saccules, alveolar ducts and alveolar capillary. 10 parts are displayed.
Size;Magnified



GD/A11301/2

GD/A11301/1

Mediastinum Model

ITEM NO : GD/A13014

Features:

This model consists of 3 parts: sternum, thymus and mediastinum.
Size:Life size
Material:Advanced PVC and paint

Larynx,Heart and Lung

ITEM NO : GD/A13012

Features:

1.The model consists of larynx, lung, heart and blood vessels.
2.70 positions are displayed.

Size:3/4 Times of Life size
Material:Advanced PVC and paint

Respiratory System Model

ITEM NO : GD/A13008

Features:

Material :imported PVC materials, imported paint
Size: natural size

Lung Segments Model

ITEM NO : GD/A13010

Features:

1. The model shows 10 lung segments of the left and right lungs.
Size:Life size.
Material:Advanced PVC and paint

Thoracic Cavity Model

ITEM NO : GD/A13016

Features:

1. Separated in 17 parts and mounted on a base.
2. 110 positions are displayed.

Electric Human Respiratory System Model

ITEM NO : GD/A13015

Features:

Luminescence display respiratory system
Material: Advanced PVC and paint

Human Systems Anatomical Model

Transparent Lung,Trachea and Bronchial Tree with Heart

ITEM NO : GD/A13013

Features:

1.The model consists of heart, great vessels (aorta, superior vena caval), tracheobronchial tree and mediastinum.
2.57 positions are displayed.
Material:Advanced PVC and paint

Circulatory System Model

ITEM NO : GD/A16001

Features:

1. Introduce main arteries and veins of the body.
2. 81 positions are displayed.
Size:1/2 time of Life size,
Material:Advanced PVC and paint

Magnified Artery and Vein Model

ITEM NO : GD/A16002

Features:

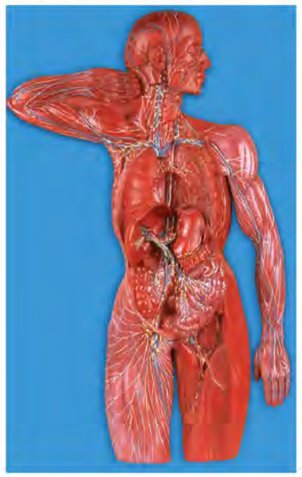
1. The model shows magnified artery and vein.
2. 23 positions are displayed.
Material:Advanced PVC and paint

Lymphatic System

ITEM NO : GD/A16011

Features:

1. The model indicates the structure of the lymphatic system.
2. 23 positions are displayed.
Material:Advanced PVC and paint



Adult Heart Model

ITEM NO : GD/A16006

Features:

1. The model shows aortic arch, coronal section of atrium and ventricle.
2. 48 positions are displayed.
Material:Advanced PVC and paint

Adult Heart Model

ITEM NO : GD/A16007

Features:

1.The model shows aortic arch, coronal section of atrium and ventricle, right auricle and left atrium.
2.25 positions are displayed.
Size:1.5 times of Life size
Material:Advanced PVC and paint

Electric Heart Conduction System Model

ITEM NO : GD/A16007/1

Features:

Demonstrate heart conduction system

Child Heart Model

ITEM NO : GD/A16008

Features:

1. The model shows the coronal section of atrium and ventricle.
2. 25 positions are displayed.
Size:Two times of Life size
Material:Advanced PVC and paint

Microcomputer Body Cardiac Circle and Systemic and Pulmonary Circulation Demo Instrument

ITEM NO : GD/A16005/2

Features:

Demonstrate human body circulation, pulmonary circulation and cardiac impulse
Size: Natural size

Electric Model of Blood Circulation

ITEM NO : GD/A16003

Features:

Simulate cardiac cycle, greater and lesser circulations.

Human Systems Anatomical Model

Electric Compensatory Circulation of Portal Vein Model

ITEM NO : GD/A16010

Features:
Demonstrate compensatory circulation in normal condition and obstruction condition.

Electric Heart Beat and Blood Circulation Model

ITEM NO : GD/A16004

Features:
The model demonstrates cardiac cycle and blood circulation.

Fetus Heart Model

ITEM NO : GD/A16023

Features:
1.The model is composed of right atrium, right ventricle, left atrium and left ventricle. Show structures like the atrium, ventricle, mitral valve, tricuspid valve, aortic valve, pulmonary valve, and coronary artery, as well as the fetus blood circulation and direction.
2.Having 23 structure indication marks.
Material: imported PVC material, imported paint, computer color matching, advanced painting

Transparent Heart Coronary Artery Model

ITEM NO : GD/A16021

Features:
1.The transparent heart coronary artery model is composed of right atrium, right ventricle, left atrium and left ventricle. Show structures like the atrium, ventricle, mitral valve, tricuspid valve, aortic valve, pulmonary valve, and coronary artery.
2.Having 23 structure indication marks.
Size: Natural size
Material: imported PVC material, imported paint, computer color matching, advanced painting

Adult Heart Anatomy Model

ITEM NO : GD/A16022

Features:
1.The model is composed of right atrium, right ventricle, left atrium and left ventricle. Show structures like the atrium, ventricle, mitral valve, tricuspid valve, aortic valve, pulmonary valve, and coronary artery.
2.Having 43 structure indication marks.
Size: Natural size
Material: imported PVC material, imported paint, computer color matching, advanced painting

Adult Heart Structure Model

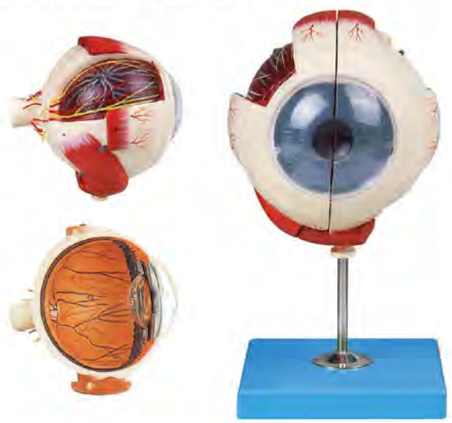
ITEM NO : GD/A16024

Features:
1.The model is composed of right atrium, right ventricle, left atrium and left ventricle. Show structures like the atrium, ventricle, mitral valve, tricuspid valve, aortic valve, pulmonary valve, and coronary artery.
2.Having 29 structure indication marks.
Material: imported PVC material, imported paint, computer color matching, advanced painting

Eyeball

ITEM NO : GD/A17101

Features:
1. The model can be dissected on the longitudinal plane to show internal details.
2. Dissected into two parts. 28 positions are displayed.
Size: Five times of Life size
Material:Advanced PVC and paint



Bypass Artery Heart Model

ITEM NO : GD/A16025

Features:
1.The model is composed of right atrium, right ventricle, left atrium and left ventricle. Show the atrium, ventricle, mitral valve, tricuspid valve, aortic valve, pulmonary valve, heart conduction system and coronary artery, aorta-coronary bypass artery and so on.
2.Having 32 structure indication marks.
Size: Natural size
Material: imported PVC material, imported paint, computer color matching, advanced painting

Eyeball

ITEM NO : GD/A17102

Features:
1. The model can be dissected on the horizontal plane to show intemal details.
2. Dissected into three parts
Size:Five times of Life size
Matenial:Advanced PVC and paint

Eyeball

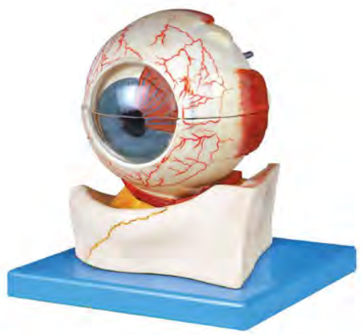
ITEM NO : GD/A17103

Features:

1. The model can be dissected on the horizontal plane to show internal details.
2. Cornea, iris, lens, and vitreous body can be removed.
3. Mounted on base.
4. Dissected into seven parts. 31 positions are displayed.

Size:Five times of Life size

Material:Advanced PVC and paint



Eyeball with Part of Orbit

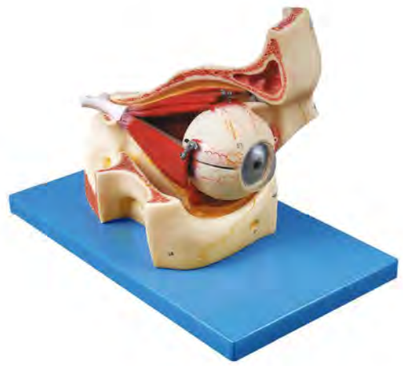
ITEM NO : GD/A17104

Features:

1. The eyeball is dissected horizontally including optic nerve entering base of the skull and ocular muscles.
2. Dissected into 10 parts. 50 positions are displayed.

Size:Three times of Life size

Material:Advanced PVC and paint



Magnified Eyeball Demonstration Model

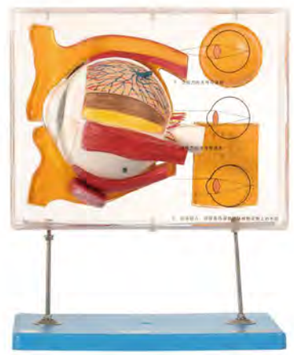
ITEM NO : GD/A17106

Features:

Anatomy of eyeball and imaging demonstration.

Material: imported PVC materials, imported paint

Size: magnified



Pupilla Adjustment Model(Light-operated)

ITEM NO : GD/A17107

Features:

Photoelectriccell-operated adjustment of pupilla changes.

Material: imported PVC materials, imported paint

Size: magnified

Human Systems Anatomical Model

Eyeball and Orbit with Vessels and Nerves

ITEM NO : GD/A17105

Features:

1. Consists of nine parts, including orbit, eyeball wall, sclerotic, choroids, retina, vitreous body, extraocular muscles, etc.
2. 97 positions are displayed.

Material:Advanced PVC and paint

Oculopathy Model

ITEM NO : GD/A17110

Features:

Imported PVC material and paint, color matching by computer, advanced color painting. 20 pieces one set.

Eyeball Instrument

ITEM NO : GD/A17108

Features:

Demonstrate function of eyeball imaging

Size: put model on substrate.

Material: imported PVC materials, imported paint

Electric Model of Pupilla Light Reaction

ITEM NO : GD/A17109

Features:

Demonstrate optic nerve, optic chiasm, conduction of oculomotor nerve injury and normal pupilla light reaction.

Ear Anatomy

ITEM NO : GD/A17201

Features:

1. Three times life-size model shows the external, middle, and inner ear.
2. Removable parts include: eardrum, incus, stapes, cochlea and labyrinth with vestibular and cochlear nerves.
3. Mounted on base.
4. 6 parts and 30 positions are displayed.

Size:Three times of Life size
Material:Advanced PVC and paint

Enlarged Ear

ITEM NO : GD/A17202

Features:

1. Four times life-size model shows the external, middle, and inner ear.
2. Removable parts include: auricle, external auditory meatus, eardrum, tympanic membrane, auditory ossicle, labyrinth, etc.
3. 8 parts and 58 positions are displayed.

Size:Four times of Life size
Material:Advanced PVC and paint

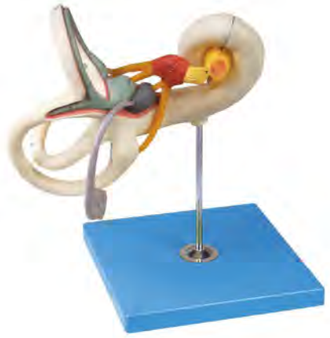
Labyrinth Model

ITEM NO : GD/A17205

Features:

1. The superior semicircular canal and vestibule are open, showing the saccule and utricle.
2. 25 positions are displayed.

Size:18 times of Life size
Material:Advanced PVC and paint



Inner Ear,Auditory Ossicle and Tympanic Membrane

ITEM NO : GD/A17204

Features:

1. Consists of three parts: inner ear, auditory ossicle and tympanic membrane.
2. 20 positions are displayed.

Size:Four times of Life size
Material:
Advanced PVC and paint

Auditory Ossicle Model

ITEM NO : GD/A17203

Features:

1. Consists of three parts: malleus, incus, stapes.
2. 11 positions are displayed.

Size:19 times of Life size
Material:Advanced PVC and paint

Ear Auditory Adjustment Model(Voice Control

ITEM NO : GD/A17206

Features:

1. Acoustic and electric control, display ear auditory change and regulation
2. Material: imported PVC ,imported paint
3. Size: enlarged

Neuron Model

ITEM NO : GD/A18001

Features:

1. Consists of two parts, including neuron body and neuron fiber.
2. Shows neuraxon hillock, dendritic arbor, neurofilament, etc.
3. 15 positions are displayed.

Size:2500 times of Life size
Material:Advanced PVC and paint

Nerve Endings Synapses Model

ITEM NO : GD/A18002

Features:

1. Shows neuraxon, presynaptic membrane, synaptic vesicle, mitochondrion,neurofilament, etc.
2. 9 positions are displayed.

Size:120,000 times of Life size
Material:Advanced PVC and paint

Skeletal Muscle Fiber with Motor End-plate

ITEM NO : GD/A18003

Features:

1. Inner membrane of skeletal muscle fiber, nucleus of fibroblast, nucleus of muscle cell, actin filament, myofibrilla, neuraxon, end-plate, presynaptic membrane, postsynaptic membrane, etc.
2. 19 positions are displayed.

Size:4000 times of Life size
Material:Advanced PVC and paint

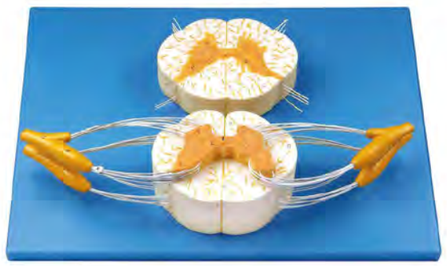
Spinal Cord with Nerve Branches

ITEM NO : GD/A18103

Features:

1. Shows anatomy of spinal cord and nerves.
2. 21 positions are displayed.
3. Five times life size.

Size:Five times of Life size
Dimansional model of spinal cord
Plane model of spinal cord
Material:Advanced PVC and paint



Fifth Cervial Vertebra with Spinal Cord and Nerve

ITEM NO : GD/A18104

Features:

1. Fifth cervical vertebra with spinal artery, spinal vein, spinal nerve, etc.
2. 40 positions are displayed.

Size:Seven times of Life size
Material:Advanced PVC and paint

Cervial Vertebra with Spinal Cord

ITEM NO : GD/A18105

Features:

1. Cervical vertebra, spinal artery, spinal vein, spinal nerve, etc.
2. 21 positions are displayed.

Material:Advanced PVC and paint

Nervous System

ITEM NO : GD/A18101

Features:

1. Shows the structure of central nerves, peripheral nerves, including spinal nerves radiated from central system to other parts of body.
2. 33 positions are displayed.

Size:1/2 Life size
Material:Advanced PVC and paint

Spinal Cord and Spinal Nerves in the Spinal Canal

ITEM NO : GD/A18102

Features:

1. Shows brain, cerebral nerves, spinal cord and spinal nerves.
2. 47 positions are displayed.

Size:1/2 Life size,
Material:Advanced PVC and paint

Thoracic Vertebra with Spinal Cord

ITEM NO : GD/A18106

Features:

1. Shows spinal nerves, spinal ganglion and spinal cord in cross-section.
2. 22 positions are displayed.

Material:Advanced PVC and paint

Lumbar Vertebra with Spinal Cord and Cauda Equina Nerve

ITEM NO : GD/A18107

Features:

1. Lumbosacral enlargement, couns medullaris, terminal thread, cauda equine nerve, lumbar nerve, etc.
2. 11 positions are displayed.

Material:Advanced PVC and paint

Mouth,Nose,Pharynx and Larynx with Vessels and Nerves

ITEM NO : GD/A18108

Features:

1. The model shows the interior parts of the cavity of mouth and pharynx with network of vessels san trigeminal nerve.
2. 51 positions are displayed.

Size:Life size
Material:Advanced PVC and paint

Nerves and Vessels in the Facial Skull

ITEM NO : GD/A18109

Features:

1. The model shows the muscles, nerves, vessels, trigeminal nerve and facial nerve.
2. 100 positions are displayed.

Material:Advanced PVC and paint

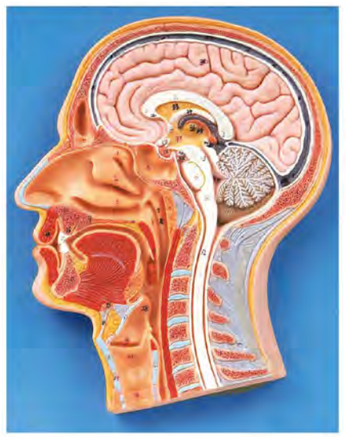
Median Section of the Head

ITEM NO : GD/A18202

Features:

1. 53 positions are displayed.

Material:Advanced PVC and paint



Brain

ITEM NO : GD/A18201

Features:

1. The model consists of 8 parts, such as the sagittal section of brain, hemicerebrum, cerebellum, brainstem, etc. and shows the structure of hemicerebrum, interbrain, cerebellum, midbrain and brain bridge, medulla.
2. 98 positions are displayed.

Size: life size
Material: Advanced PVC and paint with import paint.

Human Systems Anatomical Model

Sympathetic Nervous System

ITEM NO : GD/A18110

Features:

1. The model shows the outlook of automatic nervous system, including sympathetic nervous system and parasympathetic nervous system. The sympathetic one shows in yellow color and parasympathetic one in white.
2. 53 positions are displayed.

Size: 2/3 life size
Material: Advanced PVC and painted with import paint.

Brain

ITEM NO : GD/A18203

Features:

1. Separated into 15 parts such as:
   Cerebral hemisphere
   Temporal and occipital lobes with limbic system
   Cerebellum
   Frontal lobe
   Corpus callosum
   Brainstem
   Corpus striatum
   Insula
   Nucleus lentiformis (left)
   Internal capsule (right)
   Ventricles of the brain
   58 positions are displayed.

Size: life size
Material: Advanced PVC and paint

Brain Lobe Model

ITEM NO : GD/A18204

Features:

Size: life size
Material: Advanced PVC and paint

Functional Localization of Cerebral Cortex

ITEM NO : GD/A18205

Features:

Size: life size
Material: Advanced PVC and paint

Functional Zones of Cerebral Cortex

ITEM NO : GD/A18206

Features:

Size: life size

Material:

Advanced PVC and paint

Ventricle and Basal Nuclei Model

ITEM NO : GD/A18207

Features:

Size: Natural size

Brain Horizontal Section Model

ITEM NO : GD/A18208

Features:

5 pieces in total

Size: Natural size

Cerebellum Specification Model

ITEM NO : GD/A18209

Features:

With the counter of cerebellum and transect,
shows cerebral nuclei.

Brain with Arteries

ITEM NO : GD/A18220

Features:

1. The model shows arterial network of vessels.
2. Separated into 9 parts, such as:
   Frontal and parietal lobes
   Temporal and occipital lobes
   Brainstem
   Cerebellum
   Basilar artery
3. 127 positions are displayed.

Size:lifesize

Head and Neck Section and Brain Model

ITEM NO : GD/A30004

Features:

1.Put the model on the basal plate, and will show the structure in skull, head-and-neck muscle and median sagittal section structures.

2.Having 150 parts indication marks in total.
Material: Imported PVC material, imported paint, computer color matching, advanced painting

Size: Natural size

Electric Model of Composition and Distribution of Spinal Nerve

ITEM NO : GD/A18224

Features:

Shows the sensory fiber conduction, somesthesia, touch, algesia and motor fiber conduction and motor process of viscera and body and corresponding effector.

Half Head with Vessels

ITEM NO : GD/A18210

Features:

1. The model includeds mimic muscular system with the main superficial arteries, veins and nerves and the area of the neck.
2. 100 positions are displayed.

Size: 27cmx10cmx20cm
Material: Advanced PVC and paint
G.W:1.1kg

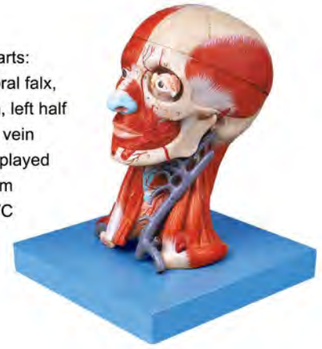
Head with Muscles

ITEM NO : GD/A18211

Features:

1. Separated into 10 parts:
2. Cranium, eye, cerebral falx, right half of the brain, left half of the brain, cervical vein
3. 165 positions are displayed

Size: 30cmx18cmx21cm
Material: Advanced PVC
G.W:2.75kg



Magnified Thalamus Model

ITEM NO : GD/A18213

Features:

1. Separated into 7 parts and 20 positions are displayed.
2. Material: Advanced PVC and paint

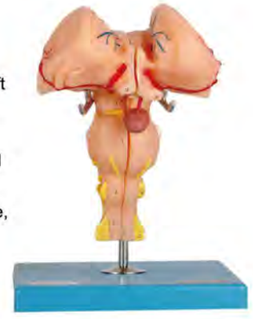
Brainstem

ITEM NO : GD/A18215

Features:

1. The model consists of two sagittal sections.One shows left side of the brainstem,and the other shows the right.
2. It demonstrates the anatomical structure of the brainstem, including midbrain, brain bridge, medulla, interbrain and brain nerves.

3.67 positions are displayed.
Material: Advanced PVC



Brain with Arteries

ITEM NO : GD/A18219

Features:

1. Altogether in 9 parts.
2. 12 pairs of cranial nerves and the basilar arteries.
3. 129 positions are displayed.

Material: Advanced PVC and paint

Electric Model of VSR and Jury

ITEM NO : GD/A18225

Features:

Demonstrate the myotatic reflex,bladder,micturition reflex, flexion reflex and full and half injury response spinal cord.

Model of Cephalic Automatic Nerve Distribution

ITEM NO : GD/A18112

Features:

Demonstrate cephalic and facial parasympathetic conduction.

Electric Brain-stem Model

ITEM NO : GD/A18216

Features:

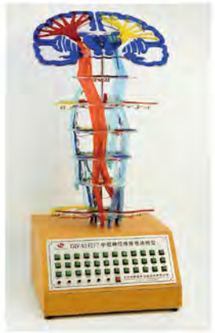
Demonstrate nucleus of brain-stem

Electric Model of Central Nerve Conduction

ITEM NO : GD/A18217

Features:

Demonstrate the conduction of optic nerve, optic chiasm, oculomotor nerve injury and light reaction of normal pupilla.



Electric Model of Auditory Sense Conduction

ITEM NO : GD/A18218

Features:

Electric demonstration to show the conduction procedure of auditory sense.

Cerebrospinal Fluid Circulation

ITEM NO : GD/A18221

Features:

Demonstrate the circulation pathways of cerebrospinal fluid.

Human Systems Anatomical Model

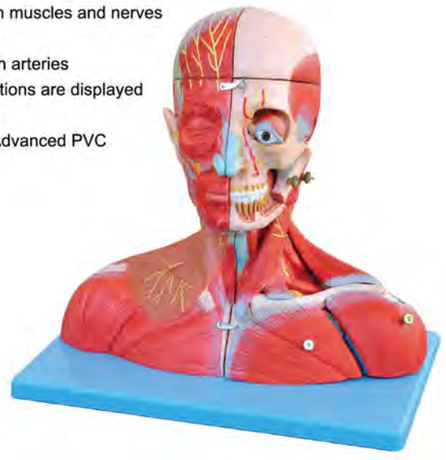
Head and Neck with Vessels, Nerves and Brain

ITEM NO : GD/A18212

Features:

1. Separated into 19 parts, such as:
 •Mimic muscular system with the deep-set muscles
 •Left temporomaxillary articulation
 •Sternocleidomastoid muscle
 •Carotid trigone
 •Trapezium muscle
 •Pectoral major muscle
 •Deltoid muscle
 •Clavicle
 •Eyes with muscles and nerves
 •Cranium
 •Brain with arteries
2.190 positions are displayed

Material: Advanced PVC



Digestive System

ITEM NO : GD/A12001

Features:

1. The model shows alimentary canal from mouth to rectum in median section and includes buccal cavity, pharynx, esopha gus with half of the stomach, the opened duodenum, small and large intestine, the opened appendix, the unfolded rectum, the transverse colon,liver and pancreas.
2. Mounted on a base, separated into 3 parts and 49 positions are displayed.

Materlal:Advanced PVC

Electric Model of Autonomic Nerves

ITEM NO : GD/A18111

Features:

The model shows the operative paths of lower centrum, sympathetic and parasympathetic nerves.

Material: Advanced PVC

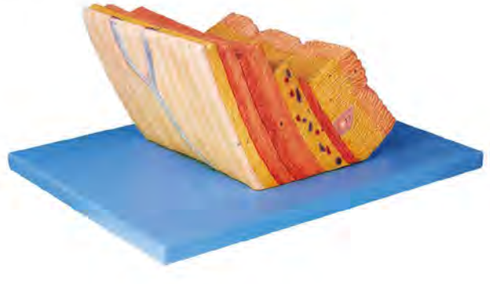
Stomach Wall

ITEM NO : GD/A12003

Features:

1. Demonstrated in transverse and vertical section.It shows structure of layers of stomach wall.
2.10 positions are displayed.

Material:Advanced PVC



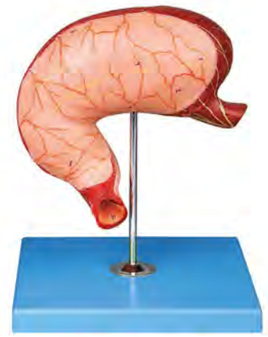
Stomach

ITEM NO : GD/A12002

Features:

1. The model shows the longitudinal and circular muscle · layers,cardia and pylorus, the mucous membrane and the gastric canal, stomach wall, network of arteries and nerve
2. Separated into 2 part and 27 positions are displayed .

Material:Advanced PVC



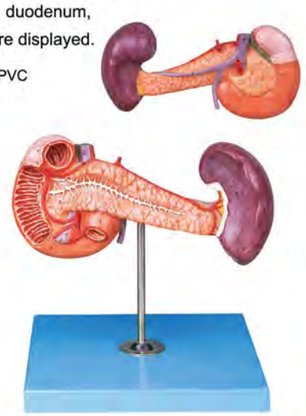
Pancreas with Spleen and Duodenum

ITEM NO : GD/A12004

Features:

1. The model shows pancreas, pancreatic duct and partly opened duodenum,
2. 22 positions are displayed.

Material:Advanced PVC



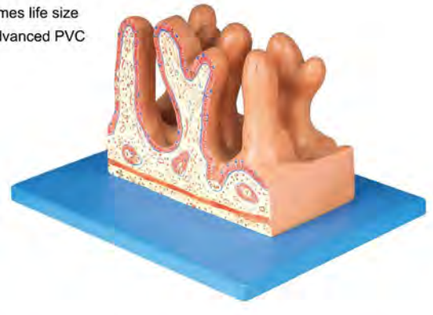
Internal Surface of Jejunum

ITEM NO : GD/A12005

Features:

1. Shows finger-like protrusions represent villi, cavities crypts.
2. 13 positions are displayed.

Size:400 times life size
Material:Advanced PVC



Appendix and Caecum

ITEM NO : GD/A12006

Features:

1. Shows wall of the caecum and appendix.
2. Separated into 2 parts and 17 positions are displayed.

Material:Advanced PVC

Rectum and Anal Canal Model

ITEM NO : GD/A12007

Features:

The model is composed of rectum and anal canal model.
Size: Natural size
Material: Imported PVC material, imported paint, computer color matching, advanced painting

Liver

ITEM NO : GD/A12008

Features:

1. shows for lobes of the liver,peritoneum,gall bladder and vessels.
2. 22 positions are displayed.

Material:Advanced PVC

Liver and Gall Bladder

ITEM NO : GD/A12009

Features:

1. Shows branched of the vessels in the liver, the bile duct system.
2. 28 positons are displayed.

Size:1.5 times life size,
Material:Advanced PVC

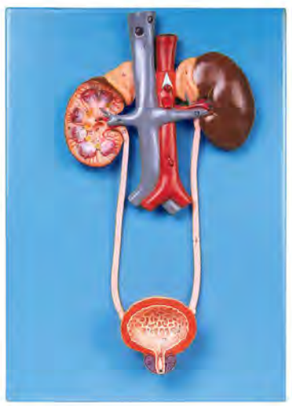
Urinary System

ITEM NO : GD/A14001

Features:

1. Shows the structure of the urinary system, including kidney, ureter and bladder, etc.
2. 30 positions are displayed.

Size: life size
Material: Advanced PVC



Urinary System

ITEM NO : GD/A14004

Features:

1. Shows bladder, prostate and right kidney.
2. Separated into 4 parts and 22 positions are displayed.

Material: Advanced PVC

Female Urinary Organ

ITEM NO : GD/A14002

Features:
30 positions are displayed.

Material: Advanced PVC

Male Urinary Organ

ITEM NO : GD/A14003

Features:
30 positions are displayed.

Material: Advanced PVC

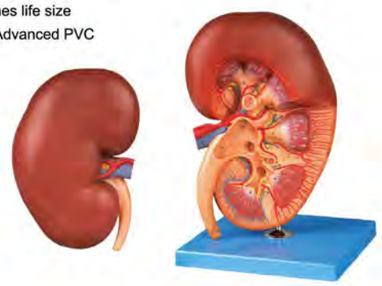
Kidney Anatomy

ITEM NO : GD/A14005

Features:

1. Shows the anatomical structure of kidney, including cortical substance, medulla, minor renal calices, greater renal calices, pelvis of ureter, ureter, renal arteries and renal vena, etc.
2. 15 positions are displayed.

Size: 5 times life size
Material: Advanced PVC

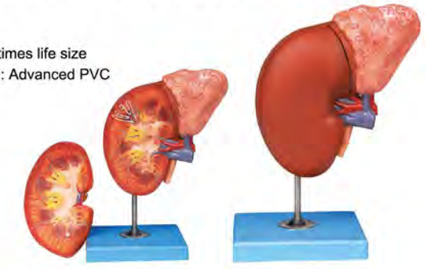


Kidney and Paranephros

ITEM NO : GD/A14006

Features:
Consists of 2 parts and shows the anatomical structure kidney, including cortical substance, medulla, proximal convolutedtubule, distal convoluted tubule, connecting canal, mammillaryducts, minor renal calices, greater renal calices, pelvis of ureter, ureter, interlobular arteries and vena, renal arteries and vena, adrenal gland.

Size: 3 times life size
Material: Advanced PVC



Kideny,Nephron and Glomerulus

ITEM NO : GD/A14007

Features:

1. This unit consists of 3 models. They show the structure of the nanal section plane (including cortical substance, medulla, proximal convoluted tubule, distal convoluted tubule, connecting canal, rnamillary cucts, minor renal calices, greater renal calices, pelvis of ureter and ureter), nephron structure, golomerus (indluding renal capsule and glomus). and blood vessels.
2. Renal section plane displays 28 positions, nephron displays 19 positions, and golmerus displays 14 positions.

Material: Advanced PVC

Median Section of Male Pelvis

ITEM NO : GD/A15101

Features:

1. Consists of 4 parts and is mounted on a board.
2. Shows rectum, bladder with prostate and testicular duct, and external genital organs.
3. 31 positions are displayed.

Material: Advanced PVC

Median Section of Female Pelvis

ITEM NO : GD/A15104

Features:

1. Shows female genital organs with bladder and rectum.
2. Mounted on a board and separated into 2 parts. 27 positions are displayed.

Material: Advanced PVC

Male Genital Organs

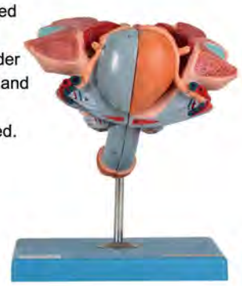
ITEM NO : GD/A15102

Features:

1. Dissected in median and mounted on a stand.
2. Shows the penis, prostate, bladder seminal vesicle, spermatic cord and inguinal canal and base.
3. 5 parts, 72 positions are displayed.

Size: life size

Material: Advanced PVC



Transparent Renal Segment

ITEM NO : GD/A14008

Features:

Shows the structure of blood vessels and nerves inside kidney.

Size: life size

Material: Advanced PVC

Female Pelvis with Reproductive Organs and Vascular Nerves and Related Muscle Attachment Points of Pelvis

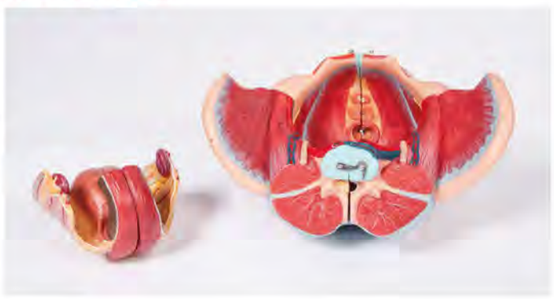
ITEM NO : GD/A15107/1

Features:

Show female pelvis with reproductive organs and vascular nerves and related muscle attachment points of pelvis, which can be decomposed into 2 parts, including 4 parts: female pelvis, internal and external reproductive organs, pelvis organs and vascular nerves.

Model size: Natural size

Model material: Imported PVC and paint



Magnified Testicle

ITEM NO : GD/A15103

Features:

1. The model shows the inner structure of testicle.
2. Size: 10 times life size

Material: Advanced PVC

Female Pelvis

ITEM NO : GD/A15106

Features:

1. The model shows pelvis and its ligaments, nerves, perineum, etc.
2. 50 positions are displayed.

Size: life size

Material: Advanced PVC

Anatomical Uterus

ITEM NO : GD/A15109

Features:

1. The model is dissected in sagittal sections, shows bladder, uterus, vagina, ureter and ovary.
2. The model consists of 2 parts and 15 positions are displayed.

Female Genital Organs

ITEM NO : GD/A15105

Features:

1. The model shows the internal and external female genital organs.
2. The model consists of 4 parts and mounted on a stand.40 positions are displayed.

Material: Advanced PVC

Female Pelvis

ITEM NO : GD/A15107

Features:

1. The model shows representation of the external and internal genital organs with the pelvis floor with network of nerves and vessels.
2. 71 positions are displayed.

Material: Advanced PVC

Female Inner Genital Organ

ITEM NO : GD/A15108

Features:

1. The front of the model shows coronal section of uterus and vagina, and the back shows coronal section of ovary and ureter.
2. 19 positions are displayed.

Material: Advanced PVC

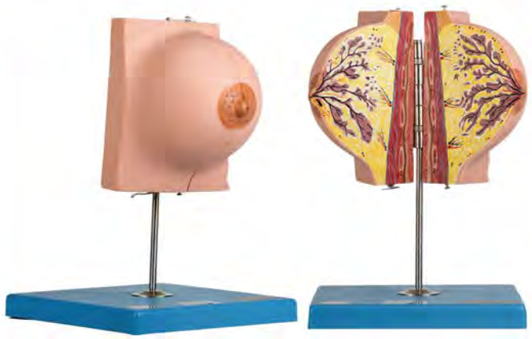
Mammary Gland in Resting Period

ITEM NO : GD/A15110

Features:

Separated into 2 parts, mounted on a base and 12 positions displayed.

Material: Advanced PVC



Mammary Gland in Lactation

ITEM NO : GD/A15111

Features:

Separated into 2 parts, mounted on a base and 12 positions displayed.

Material: Advanced PVC

Male Perineum Anatomy

ITEM NO : GD/A15112

Features:

Shows the scope of male perineum, the anterior urogenital triangle (urogenital region), the posterior triangle anus (anal region) and the anatomical structure of perineum (including the genital organ, perineal muscles, etc); 12 positions are displayed;

Size: Life Size

Material: Advanced PVC and paint

Female Perineum Anatomy

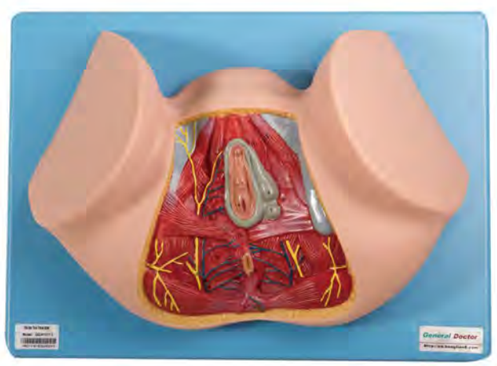
ITEM NO : GD/A15113

Features:

Shows the scope of female perineum, the anterior urogenital triangle (urogenital region), the posterior triangle anus (anal region) and the anatomical structure of perineum (including the genital organ, perineal muscles, nerves and blood vessels, etc); 20 positions are displayed;

Size: Life Size

Material: Advanced PVC and paint



Artificial Human Skeleton

ITEM NO : GD/A11101

Features:

1. The model shows all the anatomic details of the skeleton structure.
2. Joint and upper, lower extremities is removable.

Material: Advanced PVC

Human Skeleton with One-Side Painted Muscles

ITEM NO : GD/A11102

Features:

Size: 168cm (Male),162cm (Female)

Material: Advanced PVC and paint

Whole Body Skeleton Model

ITEM NO : GD/A11101/3

Features:

Metal hanger, normal erect posture, limbs can be removable, display bony framework and physical relations.

Size: 85cm

Material: Advanced PVC

Scattered Bone Model of Human Skeleton (Free bone)

ITEM NO : GD/A11103

Features:

Material: Advanced PVC

Vertebral Column with Pelvis

ITEM NO : GD/A11104

Features:

Size: Life size

Material:

Advanced PVC

Vertebral Column with Pelvis and Femoral Head

ITEM NO : GD/A11105

Features:

1. The model shows arteria vertebralis, spinal cord, spinal nerves, connected ganglion cells and consists of occipital bone, cervical, thoracic and lumbar vertebrae, sacrum, coccyx, upper parts of ilium.
2. Size: life size

Material: Advanced PVC

Vertebral Column

ITEM NO : GD/A11106

Features:

Size: Life size,

metal wire series,

stainless steel holder,

height: 70cm

Material: Advanced PVC

Vertebral Column

ITEM NO : GD/A11107/08/09

GD/A11107 Cervical Vertebra Model

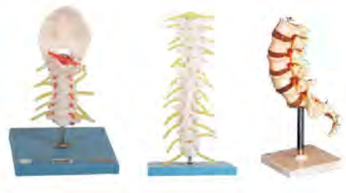
GD/A11108 Thoracic Vertebra Model

GD/A11109 Lumbar Vertebra Model

Features:

Size: Life size, fixed on the base plate

Material: Advanced PVC



Adult Skull

ITEM NO : GD/A11110

Features:

1. Material: Advanced PVC
2. Separated into 3 parts

Adult Skull Bone Coloring Model

ITEM NO : GD/A11111/1

Features:

It can be deconstructed into 2 parts.

Adult Skull Muscle Coloring Model

ITEM NO : GD/A11111/2

Features:

It can be deconstructed into 3 parts.

Adult Skull Left Side Muscle Coloring and Right Side Bone Coloring Model

ITEM NO : GD/A11111/3

Adult Skull Left Side Muscle Coloring and Right Side Bone Coloring with Neck Muscle Model

ITEM NO : GD/A11111/4

Model of Adult Skull with Nerve

ITEM NO : GD/A11112

Features:

It can be deconstructed into 3 parts, the cranial sinuses of calvarium and skull base as well as artery are color marked.

Size: Natural size

Model of Adult Skull with Nervi Vascularis

ITEM NO : GD/A11113

Features:

It can be deconstructed into 10 parts.

Size: Natural size

Children Skull Model

ITEM NO : GD/A11114

Features:

It can be deconstructed into 2 parts.

Size: Natural size

Infant Skull

ITEM NO : GD/A11115

Features:

Separated into 2 parts

Material: Advanced PVC and paint

Size: Life size

Dissected Model of Adult Skull

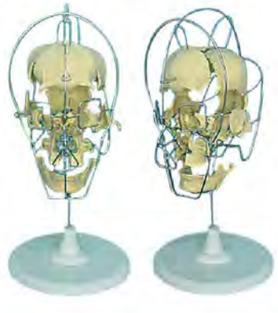
ITEM NO : GD/A11116/1

Features:

Separated into 16 parts

Material: Advanced PVC

Size: Life size



Adult Detached Skull Coloring Model

ITEM NO : GD/A11116/2

Features:

It can be deconstructed into 16 parts.

Skull is color marked.

Size: Natural size

Scattered Bone of Detached Skull Model

ITEM NO : GD/A11117/1

Features:

ardback

Material: Imported

PVC material

Scattered Bone of Partial Cranium Model

ITEM NO : GD/A11117/2

Features:

Hardback
Material: Imported
PVC material

Skull Separation Model

ITEM NO : GD/A11118

Features:

Material: imported PVC

Temporal Bone Model

ITEM NO : GD/A11119

Features:

Material: Imported PVC

Amplified Sphenoid Bone

ITEM NO : GD/A11120

Features:

Material: Imported PVC
Size: Two times of life size, mounted on the base plate

Amplified Ethmoid Bone

ITEM NO : GD/A11121

Features:

Material: Imported PVC
Size: Four times of life size

Hyoid Model

ITEM NO : GD/A11122

Features:

Size: Natural size

Arm,Scapular and Collar Bone

ITEM NO : GD/A11123

Features:

Size: Life size, metal wire series
Material: Imported PVC

Arm Bone Model

ITEM NO : GD/A11124

Features:

Size: Life size, metal wire series
Material: Imported PVC

Palm Bone with Elbow-bone and Radial Bone

ITEM NO : GD/A11125

Features:

Size: Life size, metal wire series
Material: Imported PVC

Palm Bone Model

ITEM NO : GD/A11126

Features:

Size: Life size, metal wire series
Material: Imported PVC

Male Pelvis

ITEM NO : GD/A11127

Features:

1. Consists of two upper parts of ilium, sacrum and coccyx, fourth and fifth lumbar vertebrae, as well as discs and symphysis.
Size: Life size
Material: Imported PVC

Female Pelvis

ITEM NO : GD/A11128

Features:

Size: Life size, metal wire series
Material: Imported PVC

Pelvis with Lumbar Spine and Femoral Head

ITEM NO : GD/A11129

Features:

Size: Life size, metal wire series, fixed on the base plate
Material: Imported PVC and paint

Bones of Lower Limb with Hip Bone

ITEM NO : GD/A11130

Features:

Size: Life size, metal wire series
Material: Imported PVC

Bones of Lower Limb

ITEM NO : GD/A11131

Features:

Size: Life size, metal wire series
Material: Imported PVC

Bones of Foot,Calf Bone and Perone Model

ITEM NO : GD/A11132

Features:

Size: Life size, metal wire series
Material: Imported PVC

Bones of Foot

ITEM NO : GD/A11133

Features:

Size: Life size, metal wire series
Material: Imported PVC

Human Systems Anatomical Model

Joint Series

ITEM NO : GD/A11209

Features:

1. GD/A11209/1 Shoulder Joint
   GD/A11209/2 Elbow Joint
   GD/A11209/3 Hip Joint
   GD/A11209/4 Knee Joint
   GD/A11209/5 Hand Joint
   GD/A11209/6 Foot Joint
2. Size: life size
   Material: Imported PVC

Elbow Joint with Functional Muscles

ITEM NO : GD/A11210

Features:

Size: life size

Material: Imported PVC and paint

Shoulder Joint Model

ITEM NO : GD/A11201/1

Elbow Joint Model

ITEM NO : GD/A11201/2

Hand Joint Model

ITEM NO : GD/A11201/3

Hip Joint Model

ITEM NO : GD/A11201/4

Knee Joint Model

ITEM NO : GD/A11201/5

Foot Joint Model

ITEM NO : GD/A11201/6

Palm Anatomy

ITEM NO : GD/A11306

Features:

Size: life size

Material: Imported PVC and paint

Shoulder Joint Section

ITEM NO : GD/A11202

Features:

23 positions are displayed.

Size: Life size

Material: Imported PVC and paint

Elbow Joint Section

ITEM NO : GD/A11203

Features:

14 positions are displayed.

Size: Life size

Material: Imported PVC and paint

Hand Joint Section

ITEM NO : GD/A11204

Features:

29 positions are displayed.

Size: Life size

Material:

Imported PVC and paint

Hip Joint Section

ITEM NO : GD/A11205

Features:

24 positions are displayed.

Size: Life size

Material:

Imported PVC and paint

Knee Joint Section

ITEM NO : GD/A11206

Features:

17 positions are displayed.

Size: Life size

Material:

Imported PVC and paint

Foot Section

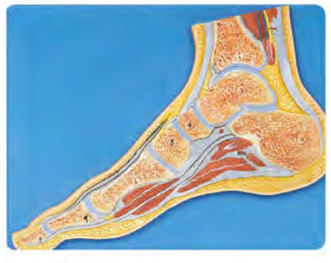
ITEM NO : GD/A11207

Features:

8 positions are displayed.

Size: Life size

Material: Imported PVC and paint



Muscles of Male with Internal Organs

ITEM NO : **GD/A11301**

Features:

1. The model consists of 27 parts, such as muscles of chest wall and abdomen, muscles of upper and lower limbs, skull,brain and viscus.
2. It shows the structure of head, neck, torso, upper and lower limbs, muscles, muscle tendon, ligaments, viscus,blood vessels, brain, etc.

3.A11301/1 78cm ; A11301/2 170cm

Material: Imported PVC and paint

Muscles of Arm with Main Vessels and Nerves

ITEM NO : **GD/A11305**

Features:

1. The model shows the network of blood vessels and nerves in the right arm, short and long extensor muscle of the radial wrist with branchioradial muscle, round pronator muscle, superficial flexor muscle of the fingers.
2. Separated into 6 parts and 87 positions displayed.

Material: Imported PVC and paint

Muscles of Male

ITEM NO : **GD/A11302**

Features:

1. The model consists of 18 parts ,such as muscles of chest wall and abdomen, muscles of upper and lower limbs, skull, etc.
2. It shows the structure of head, neck, torso, upper and lower limbs, muscles, muscle tendon, ligaments, etc.

Material: Imported PVC and paint

Muscles of Leg with Main Vessels and Nerves

ITEM NO : **GD/A11308**

Features:

1. The standing model shows the most important blood vessels and nerves in the left leg, greatest gluteal muscle, tensor muscle of the broad fascia, sartorius muscle, strait muscle of the femur, semi-membranous muscle, semitendinous muscle, biceps muscle of the femur, digitorum longus muscle, triceps muscle of the calf.
2. Separated into 10 parts and 82 positions are displayed.

Material: Imported PVC and paint

Muscles of Hand with Main Vessels and Nerves

ITEM NO : **GD/A11307**

Features:

1. Shows the network of blood vessels and nerves, ligamentous apparatus.
2. Separated into 5 parts and 42 positions are displayed.

Material: Imported PVC and paint

Normal,Flat,Arched Foot

ITEM NO : **GD/A11310**

Features:

Size: life size.

Material: Advanced PVC and paint

Median Sagittal Section of Foot

ITEM NO : **GD/A11312**

Features:

Size: life size.

Material: Advanced PVC

Muscles of Male

ITEM NO : **GD/A11303**

Features:

1. 69 positions are displayed. Shows the topography of muscles.

Material: Imported PVC and paint

Foot Anatomy

ITEM NO : **GD/A11311**

Features:

Size: life size.

Material: Advanced PVC and paint

Human Systems Anatomical Model

Electric Model of Hypothalamic Hypophyseal System

ITEM NO : GD/A19001

Features:

Demonstrates the relationship between the hormone secreting from hypothalamus or pituitary body and different target organs.

Size: 49cmx23cmx91cm

Material: Advanced PVC

Menstrual Cycle Model

ITEM NO : GD/A19003

Features:

Show the hypothalamus, hypophysis, ovary and endometrium. Show the synchronism changes of ovary and endometrium.

Material: Imported PVC material, imported paint

Human Endocrine Organ Model

ITEM NO : GD/A19002

Features:

All endocrine organs are shown, including pituitary, thyroid, adren testis, pancreas, parathyroid glar and ovary.

Material: imported PVC and pain

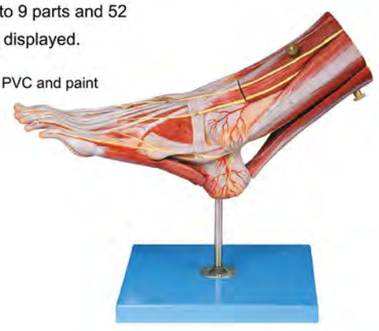
Muscles of Foot with Main Vessels and Nerves

ITEM NO : GD/A11309

Features:

1. Shows the network of blood vessels and nerves, ligmentous apparatus.
2. Separated into 9 parts and 52 positions are displayed.

Material: Imported PVC and paint



Human Body Head-and-neck Sectional Anatomy Cross Section Model

ITEM NO : GD/A30001

Features:

17 pieces in total, is about 10mm of each cross section.

Material: Imported PVC material, imported paint.

Male Body Sectional Anatomy Cross Section Model

ITEM NO : GD/A30002

Features:

64 pieces in total, is about 10mm of each cross section.

Material: Imported PVC material, imported paint

Female Body Sectional Anatomy Cross Section Model

ITEM NO : GD/A30003

Features:

63 pieces in total, is about 10mm of each cross section.

Material: Imported PVC material, imported paint

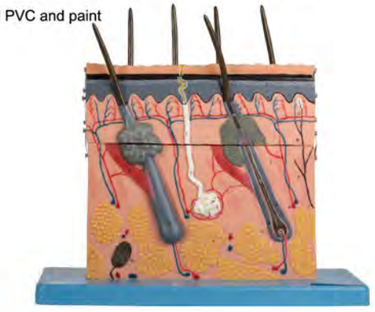
Skin Section

ITEM NO : GD/A41001

Features:

1. Shows layers of skin, first rudiments of hair, sweat gland, sense organs of skin.
2. Separated into 4 parts and 25 positions are displayed.

Material: Imported PVC and paint



Skin Tissue Structure

ITEM NO : GD/A41002

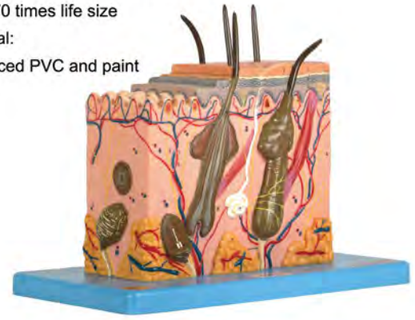
Features:

1. The model shows the scalp with hair in different planes of section.
2. 25 positions are displayed.

Size: 70 times life size

Material:

Advanced PVC and paint



Enlarged Ovary

ITEM NO : GD/A41003

Features:

1. The model consists of 8 parts, including ovary, primary ovarian follicles, secondary ovarian follicles, ovium, ovulation, ovum, corpus luteum, and corpus albicans. It demonstrates the procedure of ovum' s development.
2. 10 positions are displayed.

Material: Imported PVC and paint

Embryo

ITEM NO : GD/A42004

Features:

1. The embryo model is about 4 weeks old, and fixed on a stand.
2. 12 positions are displayed.

Material: Advanced PVC and paint

Pelvis with Uterus in the Ninth Month Pregnancy

ITEM NO : GD/A42006

Features:

1. Right half of the female pelvis in median section.
2. 38 positions are displayed.

Material: Advanced PVC and paint

Fertilization Process Simulator

ITEM NO : GD/A42001

Features:

1. Shows two frontal sections through female genital organs.
2. Mounted on a board.15 positions are displayed.

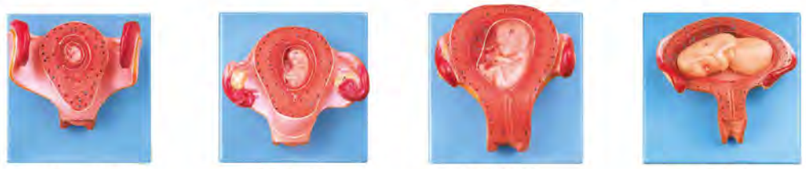
Size: twice life size
Material: Advanced PVC and paint

Embryonic Development

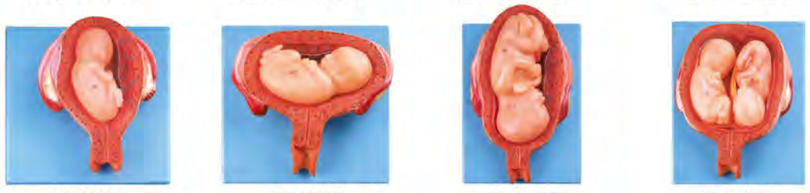
ITEM NO : GD/A42005

Features:

1. The model includes 8 parts showing the uterus with embryo and fetus from the first to the seventh month pregnancy.



GD/A42005/1 First Month Pregnancy
GD/A42005/2 Second Month Pregnancy
GD/A42005/3 Third Month Pregnancy
GD/A42005/4 Fourth Month Pregnancy



GD/A42005/5 Fifth Month Pregnancy
GD/A42005/6 Sixth Month Pregnancy
GD/A42005/7 Seventh Month Pregnancy
GD/A42005/8 Fifth Month Twins Pregnancy

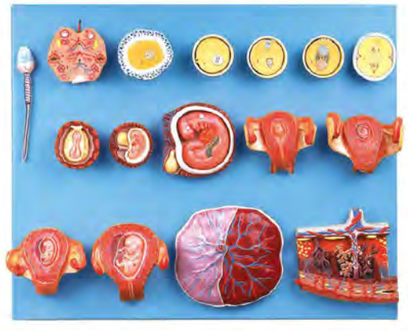
Human Fertilization and Early Embryogeny

ITEM NO : GD/A42002

Features:

1. Shows the development from ovum to the fetus in third month.
2. 16 positions are displayed.

Material: Advanced PVC and paint



Human Fertilization and Intermed Embryogeny

ITEM NO : GD/A42003

Features:

Fecundation to the embryo of fourth week.

Material: Advanced PVC and paint

Placenta Model

ITEM NO : GD/A42010/1

Features:

1. Shows the structure of placenta and the relation between placenta and umbilical cord.
2. 7 positions are displayed.

Material: Advanced PVC and paint

Enlarged Model of Placenta

ITEM NO : GD/A42010/2

Features:

1. The model shows the structure of human placenta in cross section.
2. 14 positions are displayed.

Material: Advanced PVC and paint

Demonstration Model of Childbirth

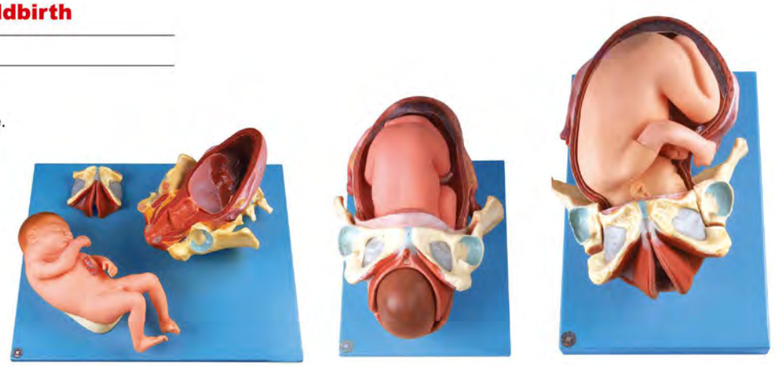
ITEM NO : GD/A42007

Features:

1. The model shows the delivery procedure.
2. Consists of uterus, fetus, placenta, pelvis, birth canal, umbilical cord.

Size: life size

Material: Advanced PVC and paint



Fetus with Viscus and Placenta

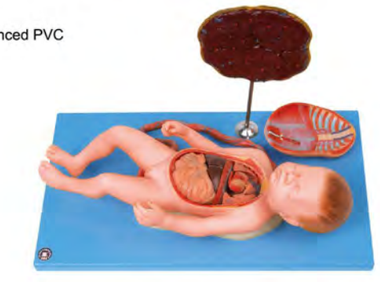
ITEM NO : GD/A42008

Features:

1. Term fetus with placenta, umbilical cord and internal organs.
2. 50 positions are displayed.

Size: life size

Material: Advanced PVC



Fetal Blood Circulatory System

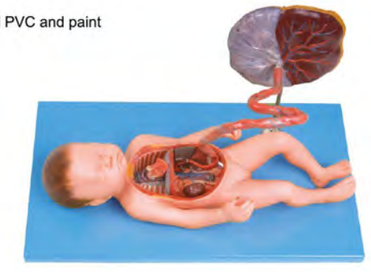
ITEM NO : GD/A42009

Features:

The model shows thoracic, abdominal cavity, heart, umbilical cord and placenta, venous and arterial ducts.

Size: life size

Material: Advanced PVC and paint



Half-side Pelvis Model with 9-month Pregnancy Fetus

ITEM NO : GD/A42011

Features:

This model is composed of pelvis uterus, fetus at 9-month pregnancy and half-side pelvis, and shows the total 50 parts indication marks of structures such as uterus, vagina, bladder, rectum, fetus, amnion, placenta and umbilical.

Size: Natural size

General Doctor®

Stomatology Training Model

Set of Teeth of an Adult

ITEM NO : GD/B10001

Features:

The model consists of 32 teeth.

Material: Advanced PVC and paint

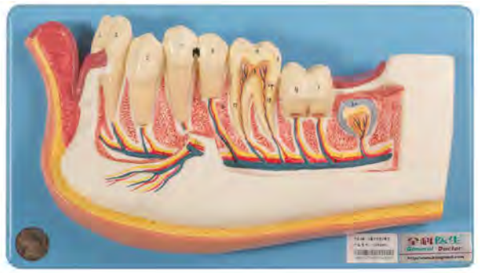
Lower Jaw of 12-year-old

ITEM NO : GD/B10002

Features:

1. The model shows the shape and conformation of the sets of permanent teeth of child (11-14 years old), as well as the structure of the decayed teeth.
2. 21 positions are displayed.

Material: Advanced PVC



Lower Jaw of 18-year-old

ITEM NO : GD/B10003

Features:

1. The model shows the left half of the lower jaw.
2. The canine and first molar can be taken out and are detachable.

Size: 2.5 times life size

Material: Advanced PVC and paint

Molar Model

ITEM NO : GD/B10005/1

Features:

The model can be divided to 6 parts. 14 positions are displayed.

Size: 16 times life size

Material: Advanced PVC and paint

Dental Caries Model

ITEM NO : GD/B10005/2

Features:

1. The model hows dental caries in initial and advanced stages.
2. 16 positions are displayed.

Size:16 times life size

Material: Advanced PVC and paint

Development Model of Tooth and Jaw

ITEM NO : GD/B10006

Features:

1. The model shows the development from temporary teeth to the germination of the permanent teeth, demonstrating the teeth at the ages of less than 6 months, 2 years, 5 to 7 years, 17 to 26 years.
2. Each model shows the upper and lower jaws of right side. They demonstrate the procedures of the germination of temporary teeth, replacement of the teeth, the germination of the permanent teeth, as well as the development of the upper and lower jaws and maxillary sinus.
3. 18 positions are displayed.

Size: life size

Material: Advanced PVC and paint

Teeth Model

ITEM NO : GD/B10004

Features:

GD/B10004/1 Lower Incisor
GD/B10004/2 Lower Canine
GD/B10004/3 Lower Molar with One Root
GD/B10004/4 Lower Incisor with Two Roots (with dental caries)
GD/B10004/5 Lower First Upper Molar with Three Roots

GD/B10004/1 GD/B10004/2 GD/B10004/3 GD/B10004/4 GD/B10004/5

Stomatology Training Model

Pathologic Tooth with Jaw

ITEM NO : GD/B10016

Features:

1. Consists of 2 parts, the upper jaw and the lower jaw.
2. Shows the pathologic structure of normal tooth, decayed tooth, pulpitis, apical putrescence, paradentitis and apical abscess.
3. 20 positions are displayed.

Material: Advanced PVC and paint

Dissected Model of Teeth Tissue

ITEM NO : GD/B10007

Features:

1. The model can be dissected in 2 parts and shows the first molar and second molar in lower jaw, demonstrating the shape and conformation of the first molar second molar third molar and the repaired decayed tooth.
2. 12 positions are displayed.

Material: Advanced PVC and paint

Dental Diseases Model

ITEM NO : GD/B10017

Features:

1. The model consists of 12 parts, such as normal teeth, pulpitis, paradentitis teeth, decayed teeth, filling dental, etc.
2. 12 positions are displayed.

Material: Advanced PVC and paint

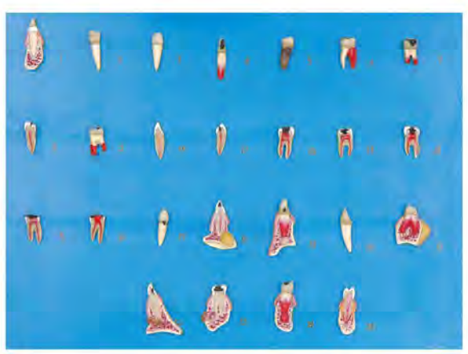
Dental Diseases Model

ITEM NO : GD/B10018

Features:

1. The model includes 25 kinds of teeth, such as teeth in rachitis, teeth in Hutchinson is disease, teeth in putrescence, decayed teech, purulent pulpitis, root abscess, alveolar abscess, etc.
2. 25 positions are displayed.

Material: Advanced PVC and paint



Dissected Model of Dental Disease

ITEM NO : GD/B10008

Features:

The model displays dental caries destruction, alloy material filling repair, suppurative pulpitis, pulp necrosis, root abscess, periapical abscess, periodontitis, alveolar suppurative, etc; there are 7 parts of indication signs .

Material: Imported PVC and paint, color matching by computer, advanced color painting

Dissected Model of Dental Caries

ITEM NO : GD/B10009

Features:

The model includes 3 molar sections and 6 parts, and displays the structure morphology of molar and the dental caries development process; there are 10 parts of indication signs

Material: Imported PVC and paint, color matching by computer, advanced color painting

Transparent Adult Teeth Model

ITEM NO : GD/B10010

Features:

The model includes maxillary dentition and mandibular dentition, and displays the appearance and structure of adult maxillary teeth and adult mandibular teeth; there are 16 parts of indication signs .

Material: Imported PVC and paint, color matching by computer, advanced color painting

Transparent Dental Pathology Model

ITEM NO : GD/B10011

Features:

The model includes maxillary dentition and mandibular dentition, and displays the structure of adult maxillary teeth, adult mandibular teeth, dental caries, pulpitis, gingival fistula, and silver amalgam filling repair, etc; there are 16 parts of indication signs .

Material: Imported PVC and paint, color matching by computer, advanced color painting

Transparent Milk Teeth Development Model

ITEM NO : GD/B10012

Features:

The model includes maxillary dentition and mandibular dentition, and displays the structure of milk maxillary teeth and milk mandibular teeth; there are 14 parts of indication signs .

Material: Imported PVC and paint, color matching by computer, advanced color painting

Transparent Milk Teeth Pathology Model

ITEM NO : GD/B10013

Features:

The model includes maxillary dentition and mandibular dentition, and displays the development morphology and structure of milk maxillary teeth, milk mandibular teeth, dental caries and periapical abscess; there are 14 parts of indication signs .

Material: Imported PVC and paint, color matching by computer, advanced color painting

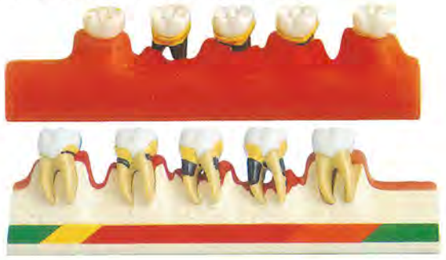
Periodontal Disease Model

ITEM NO. : GD/B10014

Features:

The model includes 5 parts and displays the structure of normal madibular molar and periodontal disease development process; there are 15 parts of indication signs .

Material: Imported PVC and paint,
color matching by computer, advanced color painting



Dental Disease Model

ITEM NO. : GD/B10015/2

Features:

The model includes 5 parts, such as dental cavities, pulp necrosis, periapical abscess, premolar ready to be filled and a tooth repaired with alloy, and displays the clinical treatment for dental caries and pulpitis with periapical abscess; there are 5 parts of indication signs .

Material: Imported PVC and paint,
color matching by computer, advanced color painting

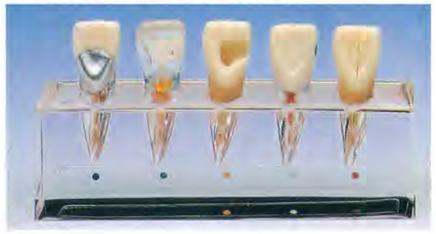
Dental Disease Model

ITEM NO. : GD/B10015/1

Features:

The model includes 5 parts, such as health teeth, dental caries, teeth prepared for filling, filling teeth and teeth repaired with alloy, and displays the clinical treatment method for dental caries and pulpitis; there are 5 parts of indication signs .

Material: Imported PVC and paint,
color matching by computer, advanced color painting



Dental Workbench

ITEM NO. : GD/HB480

Standard accessories:

1set operating table, 1set perating light , 1set self-cleaning system, 1pc elbow support, 1pc air blow gun, 1unit tooling box

Comprehensive Dental Skill Teaching System

ITEM NO. : GD/HB580

Standard accessories:

Cold shadowless operating light	1set	Self cleaning system	1set
Imported high speed handpiece	1pc	Elbow support	1pair
Reserved low speed handpiece interface	1pc	Tooling box	1unit
3-way syringe	1pc	3M-03 Shoulder and head model (SM-01 standard head model, YD-01 simulative teeth model, SM-05 head former)	1set
Water suction machine	1pc		
Water circulation system	1set		
Air blow gun	1pc	Dental stool	1pc

Simulative Standard Teeth Model with Nuts Fixation

ITEM NO. : GD/B10026

Detachable Teeth Model with Root

ITEM NO. : GD/B10029

Equipment:

Replaceable, can be placed in the standard head model; be suitable for teeth preparation training

Three-year-old Primary & Permanent Teeth Alternating Model

ITEM NO. : GD/B10030

Equipment:

Displays the primary and permanent teeth alternating period, and the specific position of primary and permanent teeth; the right half part can be replaced freely

Standard Full-mouth Teeth Model

ITEM NO. : GD/B10033

Equipment:

Shows the normal arrangement of teeth

Amplified Teeth Model

ITEM NO. : GD/B10034

Equipment:

Two times of normal teeth, show the normal arrangement of teeth

Fixed Orthodontic Model (Normal)

ITEM NO. : GD/B10037

Equipment:

Shows the effect after correction

Fixed Orthodontic Model (Dislocation)

ITEM NO. : GD/B10038

Equipment:

shows the correction effect for dental crowding

Standard Transparent PE Teeth Model

ITEM NO. : GD/B10027

Equipment:

A total of 28 pieces removable teeth, the base is made of transparent PE, can be used for teaching and OPD demonstration

Periodontal Disease Demonstration Model

ITEM NO. : GD/B10031

Equipment:

Displays the clinical symptoms of periodontal disease, such as periodontal abscess, gingival atrophy, gingival swelling, proximal cavity, periodontitis with severe gallstone,etc

Orthodontic Model

ITEM NO. : GD/B10035

Equipment:

Shows the abnormal structure of crowded teeth, anti-jaw, protrusion, jaw opening, etc

Tooth Morphology Model

ITEM NO. : GD/B10039

Equipment:

Including superior teeth and lower teeth; the ratio of normal teeth is 6:1; standard morphology; a total of 12 teeth

Detachable Teeth Model without Root

ITEM NO. : GD/B10028

Equipment:

All the teeth are removable, can be replaced, suitable for teaching and teeth preparation training

Periodontal Disease Demonstration Model

ITEM NO. : GD/B10032

Equipment:

Displays the clinical symptoms of periodontal disease, such as periodontal abscess, gingival atrophy, gingival swelling, proximal cavity, periodontitis with severe gallstone,etc

Fixed Orthodontic Model (Normal)

ITEM NO. : GD/B10036

Equipment:

Shows the effect after correction, transparent ceramic brackets

Carved Teeth Model

ITEM NO. : GD/B10040

Equipment:

The model is separated into four groups, such as superior central incisors, superior front teeth, superior molars and lower molars; each group can be separated into 9 steps; a total of 36 teeth

Mandibular Anatomy Model

ITEM NO. : GD/B10041

Equipment:
Shows the comparison of normal anatomy and pathological anatomy teeth, such as wedge-shaped erosion, dental caries, periapical abscess, apical granuloma, impacted teeth,nerves, artery and vein in the mandibular canal, etc;

Fissure Sealant Demonstration Model

ITEM NO. : GD/B10042

Equipment:
Displays the whole process of fissure sealant

Standard Teeth Former without Dentition

ITEM NO. : GD/B10043

Standard Teeth Former with Dentition

ITEM NO. : GD/B10044

Hemi Side Dental Former

ITEM NO. : GD/B10045

Two Times Natural Size of Standard Upper&Lower Jaw Model

ITEM NO. : GD/B10046

Transparent Standard Upper&Lower Jaw Model

ITEM NO. : GD/B10047

Equipment:
Transparent material fully visible dentition and root tips

Enlarged Pathological Tooth Model

ITEM NO. : GD/B10048

Equipment:
Showing many different pathological conditions

Dental Sectioned Model (4 times)

ITEM NO. : GD/B10049

Equipment:
An excellent visual aid to explain

Sealant and Inlay Demonstration Model (4 times)

ITEM NO. : GD/B10050

Equipment:
Various caries are demonstrated on this model and a sealant is shown on the healthy unaffected tooth

Transparent Mandible Model

ITEM NO. : GD/B10051

Mandible Model

ITEM NO. : GD/B10052

Equipment:
Reallstic morphology from human bone specimen,removable teeth

Model of Periodontal Disease

ITEM NO. : GD/B10053

Equipment:
Show some clinic sympton of periodontal disease

Mixed Dentition Model (Age 7)

ITEM NO. : GD/B10054

Equipment:
Teeth with transparent root and colored pulpal wall

Upper&Lower Jaw Model with Pathologies

ITEM NO. : GD/B10055

Equipment:
Teeth are not removable

Root Canal Model (colored,with crowns)

ITEM NO. : GD/B10056

Equipment:
Demonstrates most common pathologies

Orthodontic Typodont

ITEM NO. : GD/B10057

Equipment:
With telescoping upper member(wax form are not included)

Partially Edentulous Model

ITEM NO. : GD/B10058

Equipment:
Virtually and edentulous combinations are available,and will be made to your exact specification

Colored Permanent Teeth

ITEM NO. : GD/B10059

Equipment:
32 teeth

Anatomically Rooted Metal Teeth

ITEM NO. : GD/B10060

Equipment:
Set of 28 anatomically rooted metal teeth overlayed with epoxy resin on the crown surface

Normal Tooth Sectioned Model (6 times)

ITEM NO. : GD/B10061

Equipment:
Show the tooth structure

Standard Upper&Lower Jaw Model (28 teeth)

ITEM NO. : GD/B10062

Equipment:
Realistic morphology and replacement teeth with screw

Silicone Mould

ITEM NO. : GD/B10063

Implant Model

ITEM NO. : GD/B10064

Implant Model

ITEM NO. : GD/B10065

Implant Model

ITEM NO. : GD/B10066

Crown& Bridge Demonstration Model with Implant

ITEM NO. : GD/B10068

Crown& Bridge Demonstration Model with Implant

ITEM NO. : GD/B10067

Acupuncture & Massage Serial Model

Human Acupuncture Manikin (Male)

ITEM NO. : GD/C00007

Human Acupuncture Manikin (Female)

ITEM NO. : GD/C00008

Fourteen Channel Acupuncture Manikin (Male)

ITEM NO. : GD/C00003

Acupuncture Head (Life size)

ITEM NO. : GD/C00012

Acupuncture Arm Model (Life size)

ITEM NO.: GD/C00018

Acupuncture Ear

ITEM NO. : GD/C00013

Acupuncture Hand (Life size) / Masssgae Hand (Life size)

ITEM NO. : GD/C00015 GD/C00015/1

Acupuncture Foot

ITEM NO. : GD/C00016

Foot Massage Model

ITEM NO. : GD/C00016/1

Acupuncture Skill Training Model

ITEM NO.: GD/C00017

Worldwide Network

■ Factory & Marketing center
■ Main market regions

Our"General Doctor"products have been exported to more than 93 countries and our after-sales service has been well recognized among all international customers.