



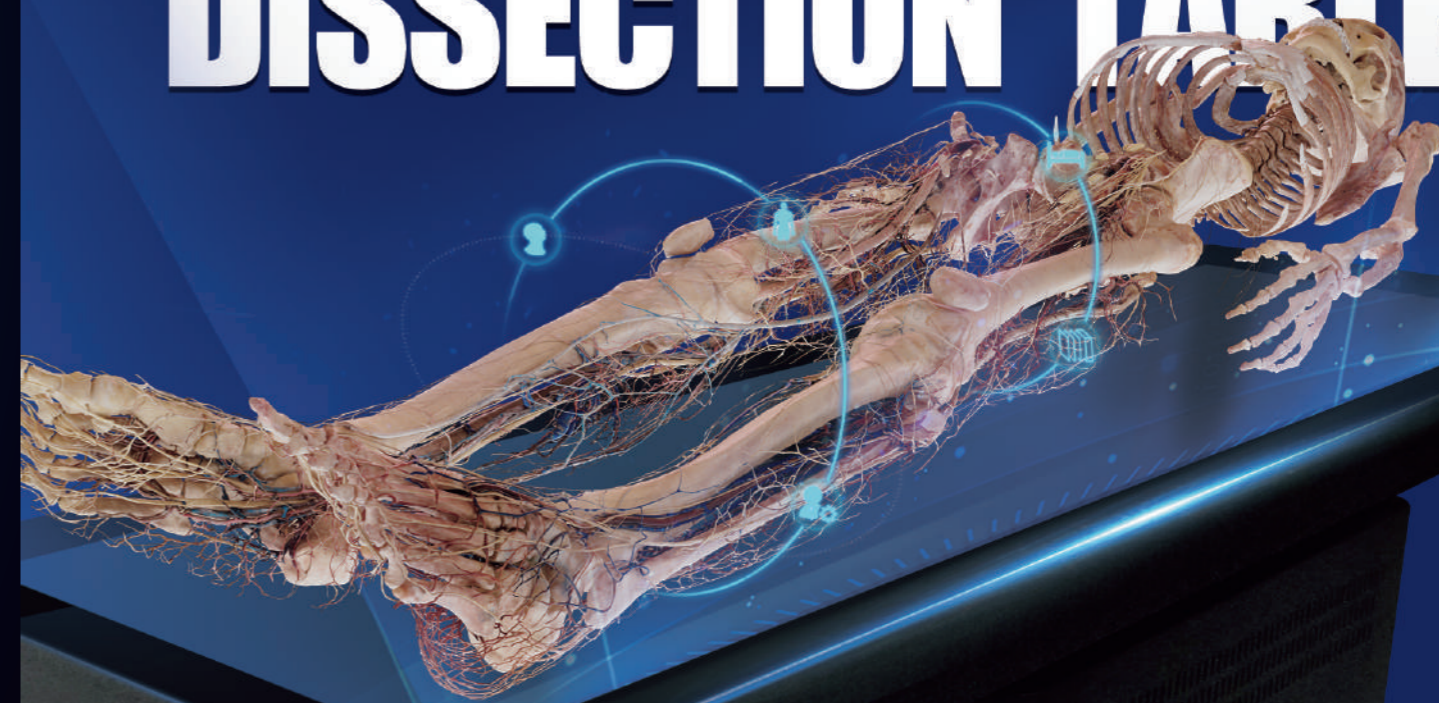
*Let Digihuman serve to the precision medicine and
benefit human health*

Our products have been widely used in more than 60 countries and regions including the United States, Italy, France, Germany, Poland, Russia, Thailand, Indonesia, the Philippines, India, Saudi Arabia, Iraq, the United Arab Emirates, Uzbekistan, Kyrgyzstan, Egypt, Tanzania, Nigeria, South Africa, Morocco, Brazil, Peru, Mexico, Colombia, Australia, etc.

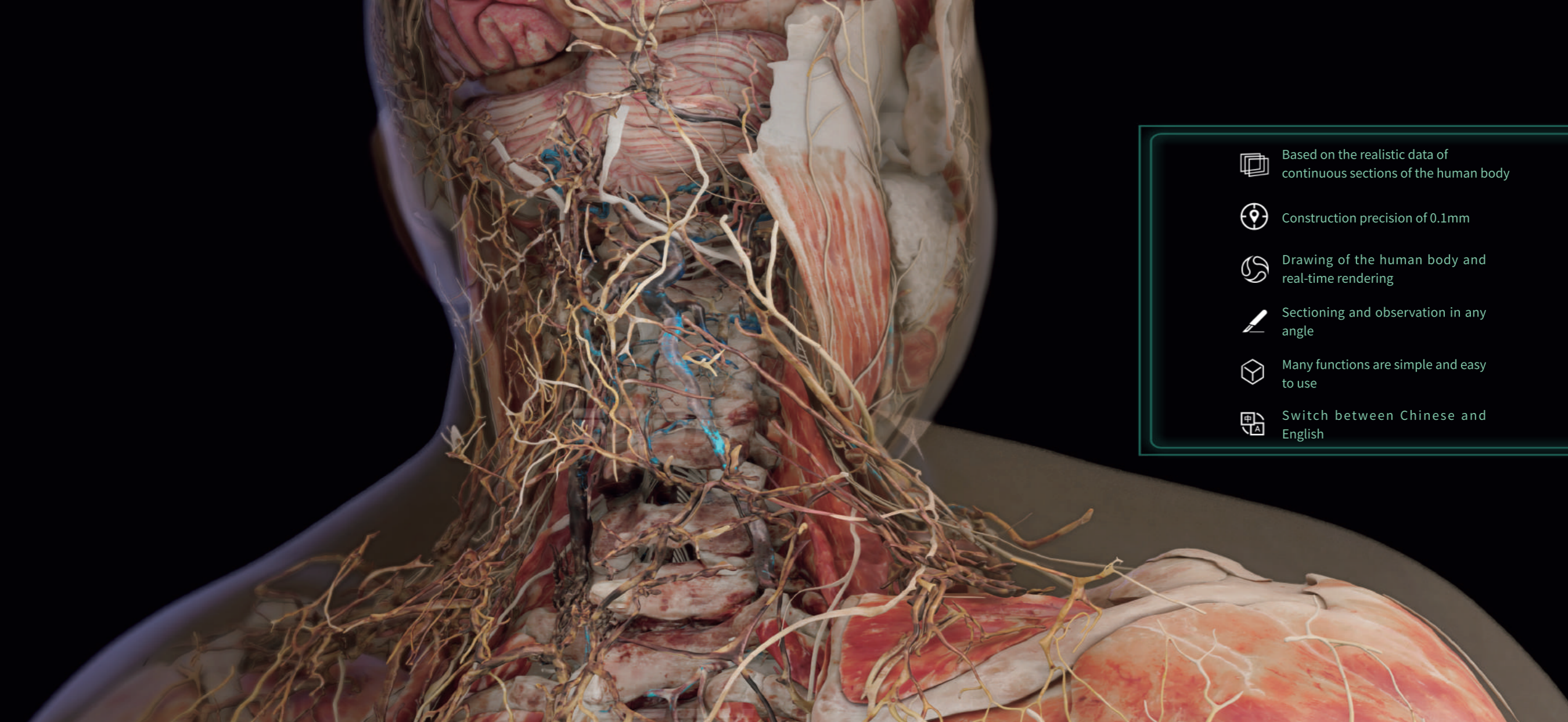
Address: No. 1188, Tianchen Road, High-tech Zone, Jinan, Shandong Province, China TEL: 0086-531-62327782

URL: www.digihuman.net E-mail: peterlyu@digihuman.net

HD-DIGIHUMAN VIRTUAL DISSECTION TABLE

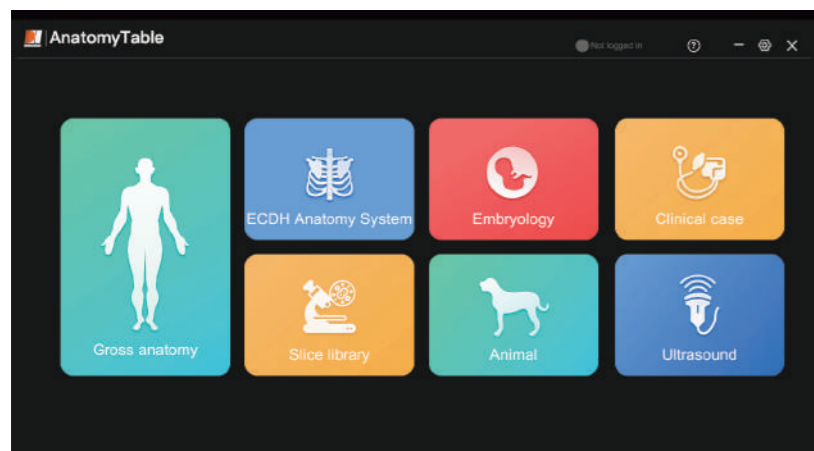


SHANDONG DIGIHUMAN TECHNOLOGY CO.,INC



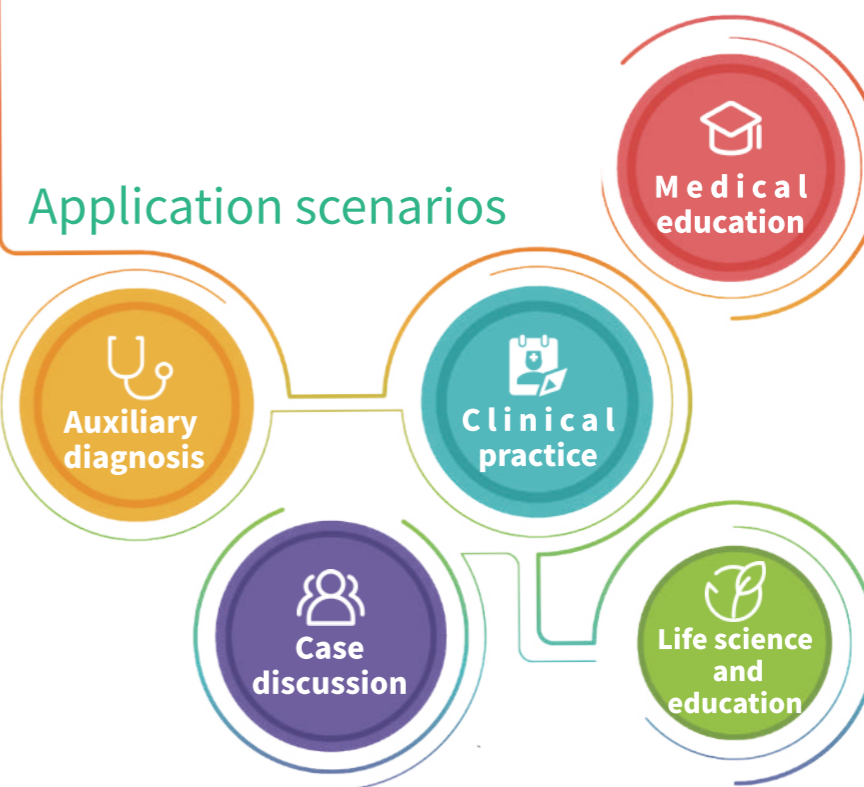
-  Based on the realistic data of continuous sections of the human body
-  Construction precision of 0.1mm
-  Drawing of the human body and real-time rendering
-  Sectioning and observation in any angle
-  Many functions are simple and easy to use
-  Switch between Chinese and English

Digihuman Virtual Dissection Table

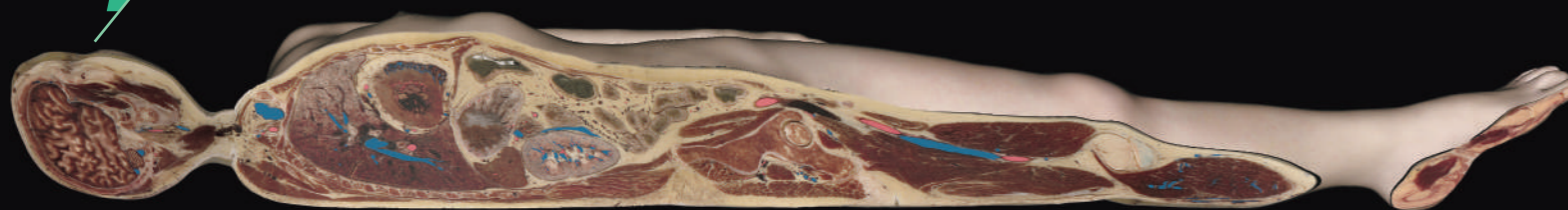


The "Digihuman Virtual Dissection Table" is a medical teaching platform created using digital 3D reconstruction technology. It comprises seven modules: "Gross Anatomy", "ECDH Anatomy System", "Slice Library", "Clinical Cases", "Embryology", "Ultrasound Anatomy", and "Animal Anatomy".

The table integrates various medical visualization resources and human-computer interaction technologies. It can meet the teaching needs of anatomy, histopathology imaging, embryology, ultrasonography, and veterinary medicine. The platform features high-precision realistic anatomical structures, high-performance anatomical teaching tools, and interactive touch operation, helping users understand macroscopic, microscopic, normal, and diseased structures.



1 Gross Anatomy



17000 layers

Realistic continuous sections of men/women

4 sets of data

4 sets of HD data for men/women

0.1mm

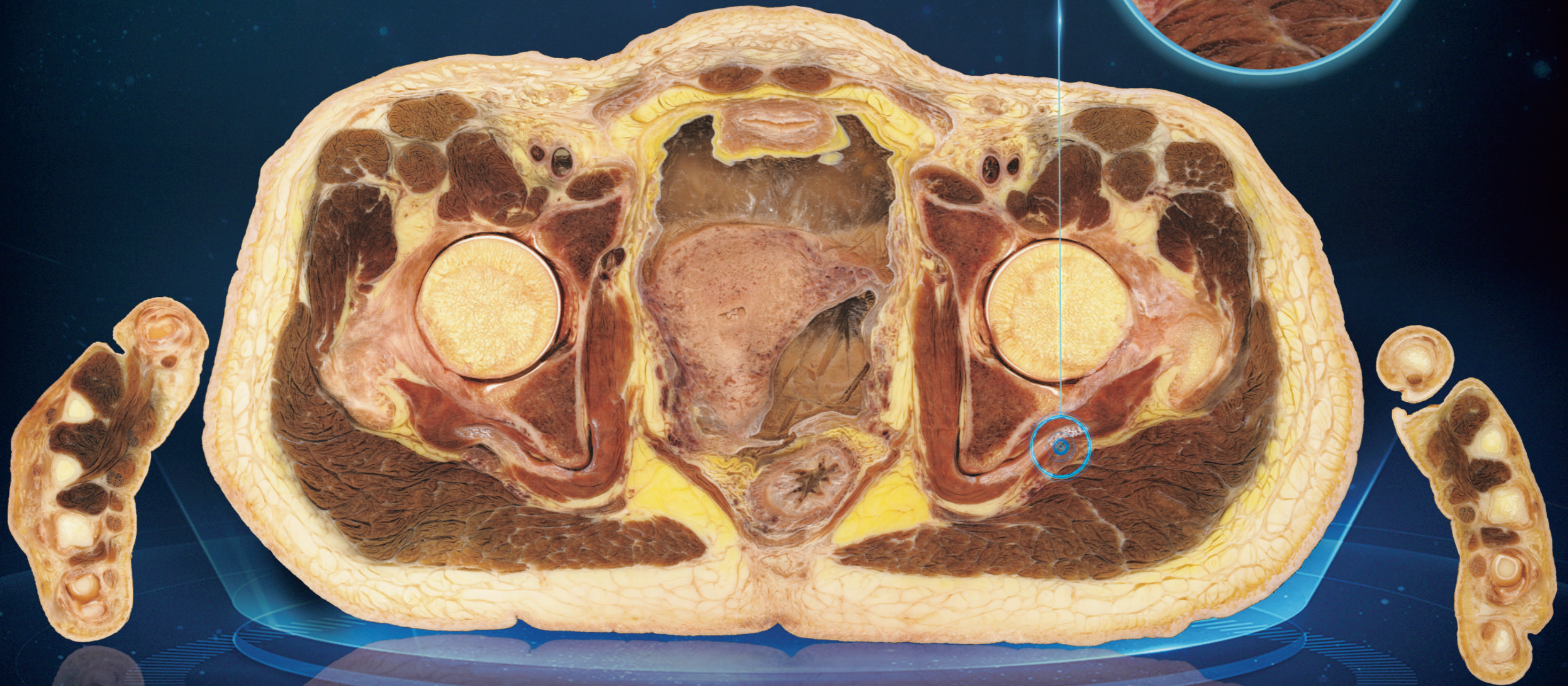
Reconstruction precision of 0.1mm

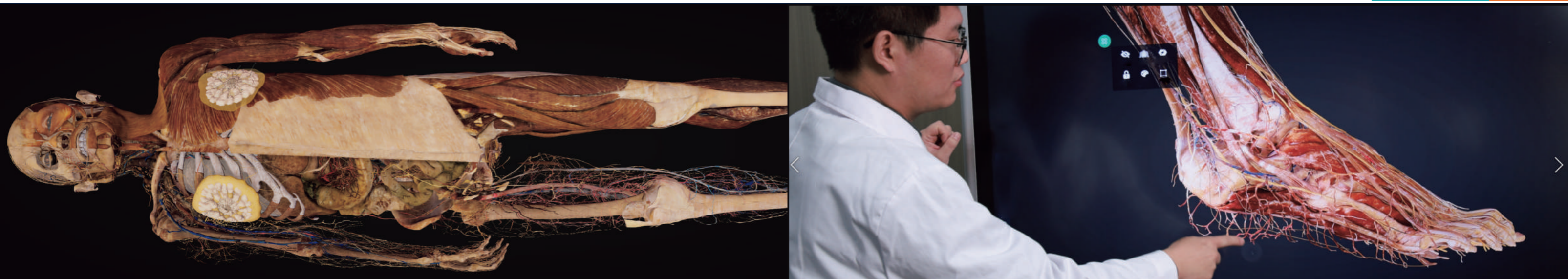
Cross-sectional images of the human body are the foundation of 3D reconstruction of the human body. The amount of information in cross-sectional images directly affects the precision of 3D reconstruction.



Based on the realistic data of continuous
sections of the human body

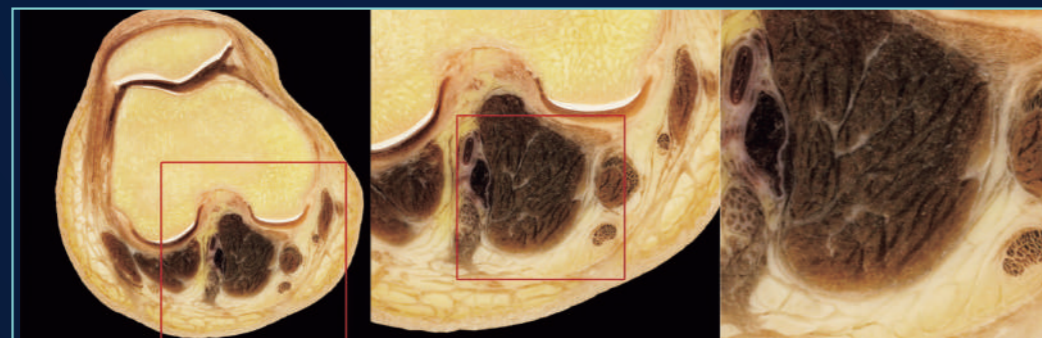
Single pixel: 26000*16000*3





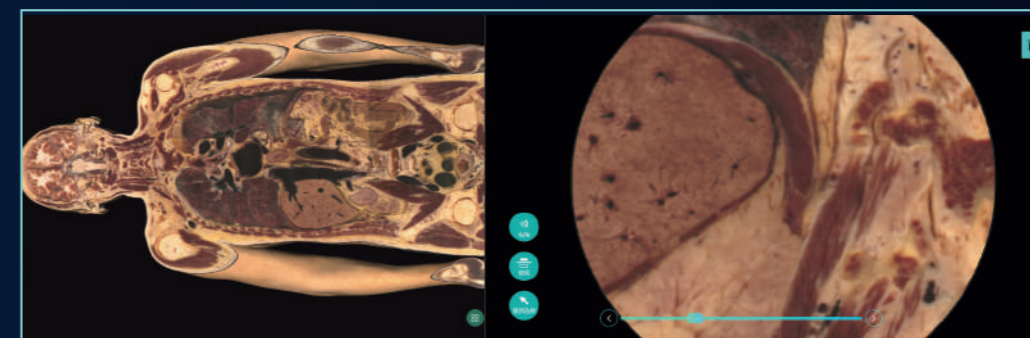
1 SD data and careful display

The UHD data leading in the world is used. The fine structure that cannot be observed in the traditional anatomy can be displayed clearly.



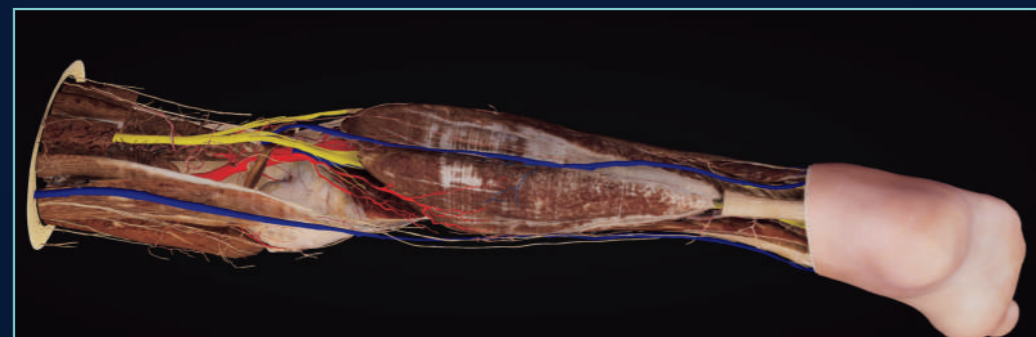
3 Help with clinical application and provide a reference for study

The contents cover the requirement of training and study of clinical anatomy. Doctors and students can obtain professional knowledge and information on human anatomy. Meanwhile, due to the unique novelty and entertaining of the product, students can study more actively.



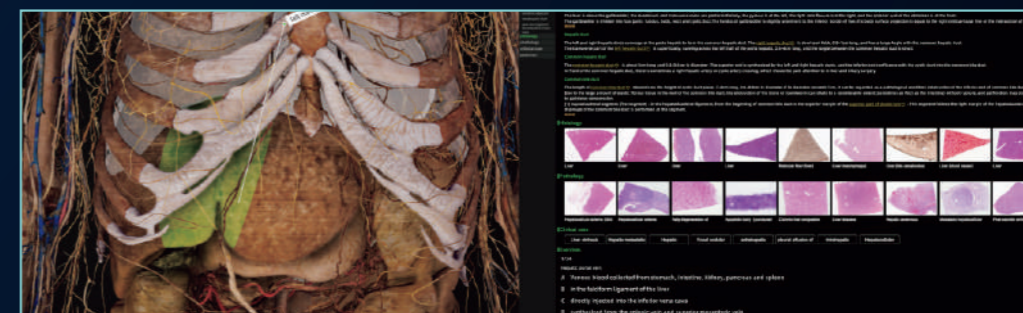
2 Touch control operation and virtual simulation

Through the sensitive touch control mode and function buttons, the virtual anatomy operation is made on the digital human body, which meets the display and training requirements of virtual simulation.



4 Knowledge Association

The knowledge system for organs includes textual knowledge points, histological sections, pathological sections, relevant clinical cases, and instant quizzes for side-by-side comparative learning, facilitating organ system-based curriculum integration.





5 Structural annotations

Supports intellectual understanding of organ structure



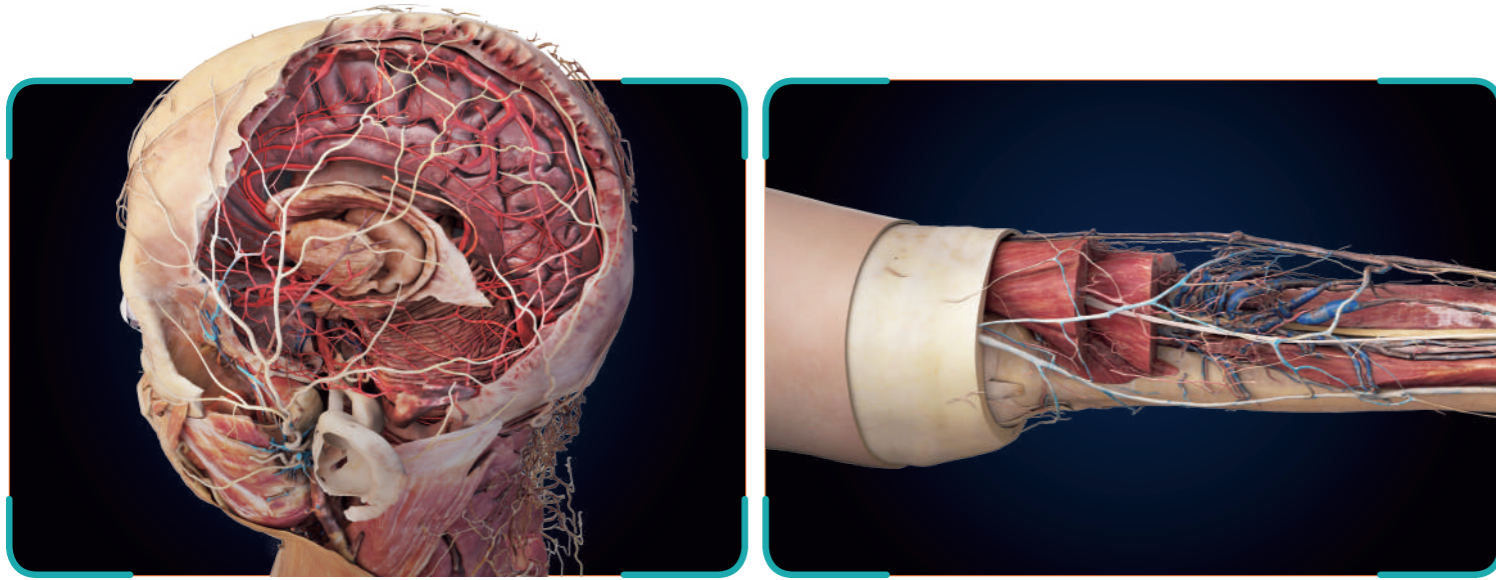
6 Cuts (hierarchical anatomy)

The structures are dissected sequentially according to the order of the structures in the virtual dissection, choosing different dissection tools.



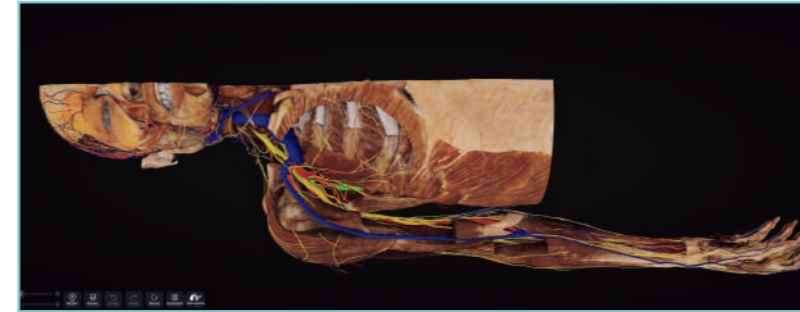
7 Screenshot&Videotaped

Support for courseware production



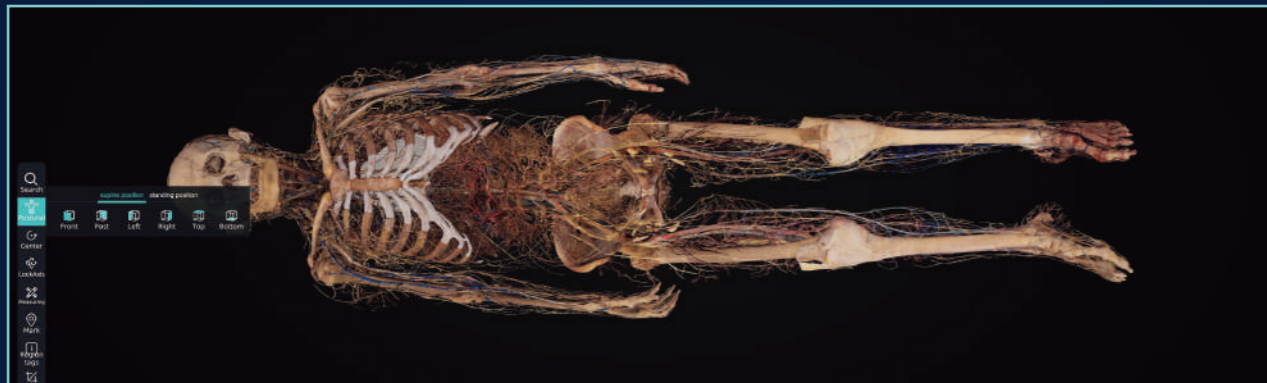
9 Anatomy functions

Anatomy functions: Perform incisions, including straight, curved, and parallel cuts. Parallel cuts allow the incision range to be controlled by adjusting the position of two parallel lines.



8 Multiple Posture Options

The system supports rapid switching between supine and standing positions, enabling one-click transitions for teaching demonstrations. This facilitates multi-angle observation of anatomical structures, enhancing operational convenience and presentation efficiency in instruction.



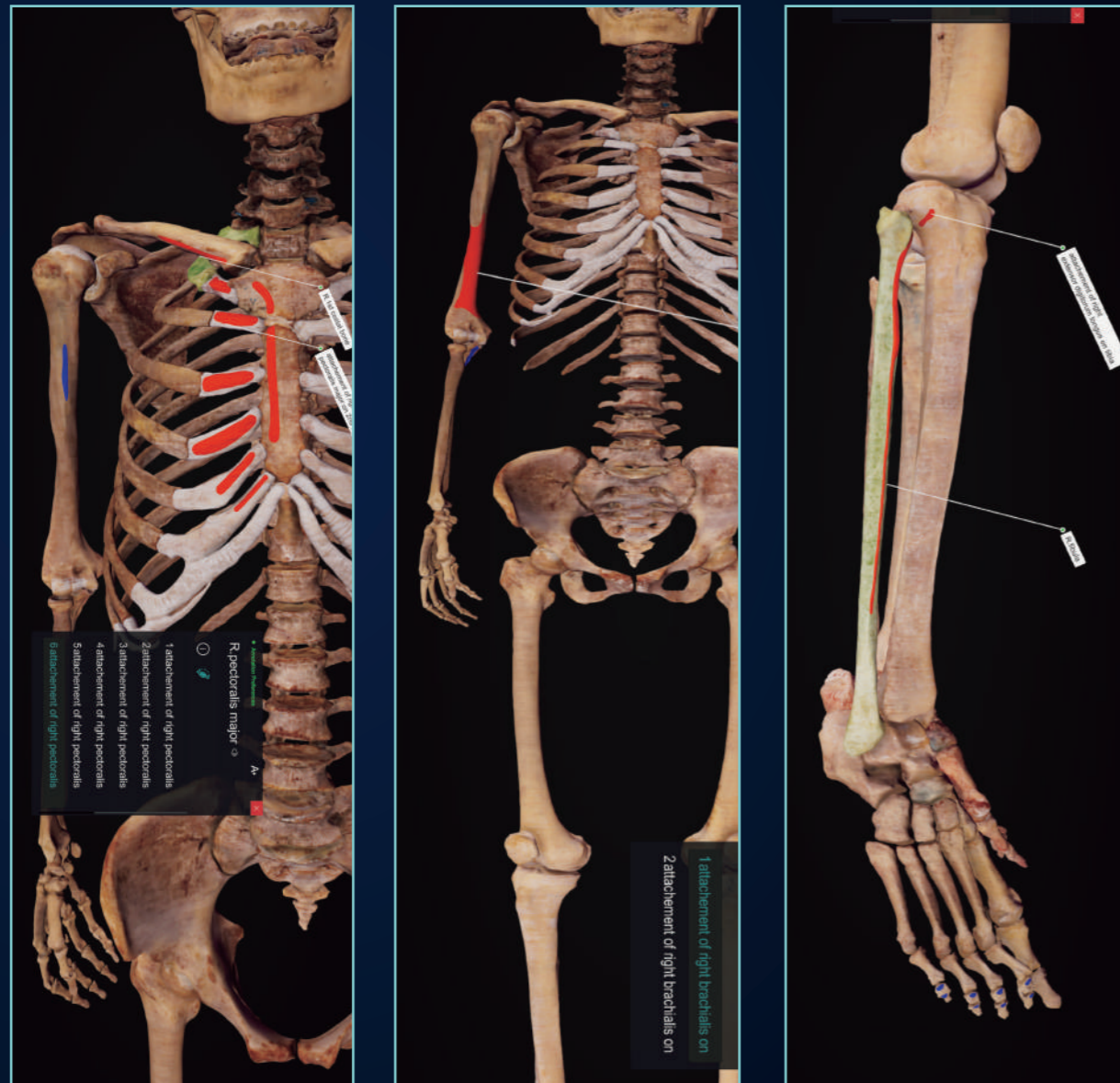
10 Dual-screen comparison view

The system features a dual-screen comparison view, enabling synchronized display of 3D anatomical models for multi-perspective observation. This enhances spatial understanding and structural recognition, ideal for advanced anatomy teaching, clinical training, and research.



11 Muscle attachment

The system features the core function of accurately displaying muscle attachment points. Based on the 3D digital human model, it dynamically illustrates the origin and insertion of each muscle via tendons on the skeleton. For example, the system clearly identifies the origin of the deltoid muscle (lateral one-third of the clavicle, acromion, and spine of the scapula) and its insertion (deltoid tuberosity of the humerus), thereby assisting users in intuitively understanding the anatomical position, motor function, and clinical relevance of the muscle.



12 Clinical case

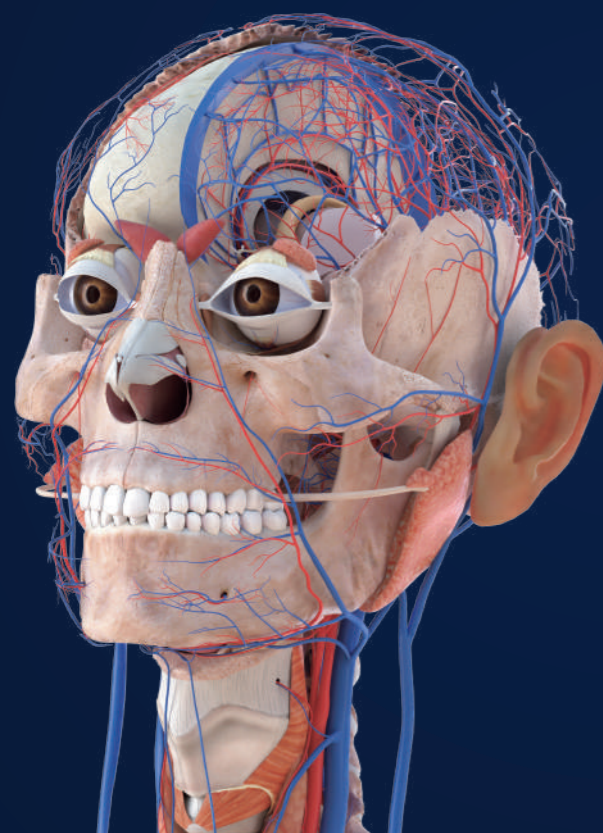


13 Translucent film



14 Video center



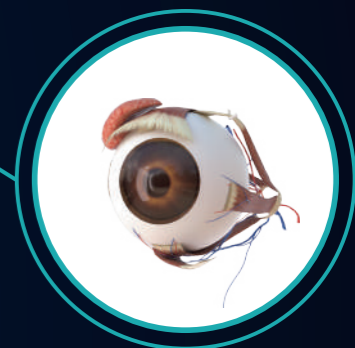
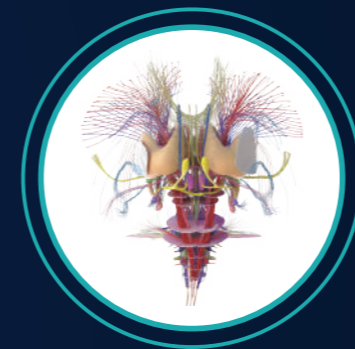


2110 layers
Series section data of
real male human body

3640 layers
Series section data of real
female human body

0.1-1 mm
thickness

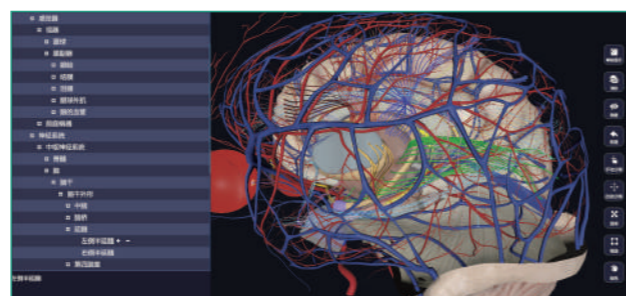
6000
3D anatomy structures



2 ECDH Anatomy System

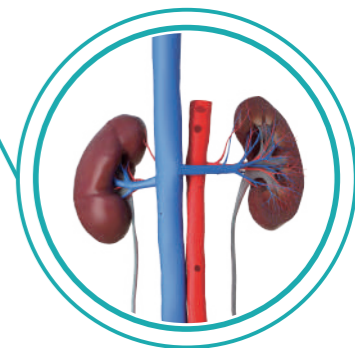
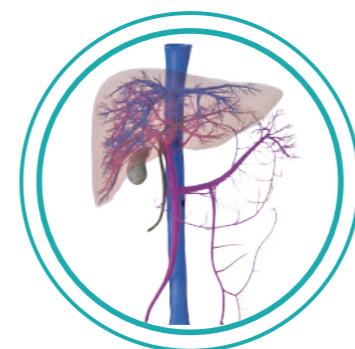
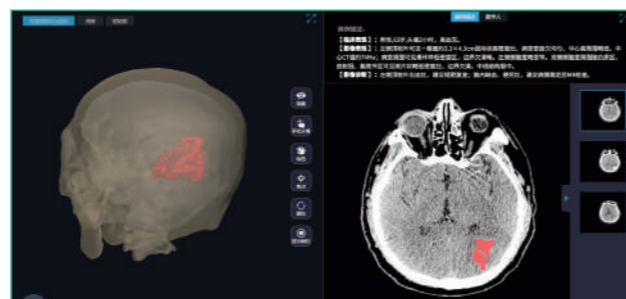
1 Human anatomy module

It includes system anatomy, local anatomy, sectional anatomy, and other modules. The 3D structure is reconstructed with the realistic data of cross-sections of the human body. The position and form are consistent with the original data. There are a total of 9 systems. The 3D form of more than 6,000 anatomical structures can be displayed.



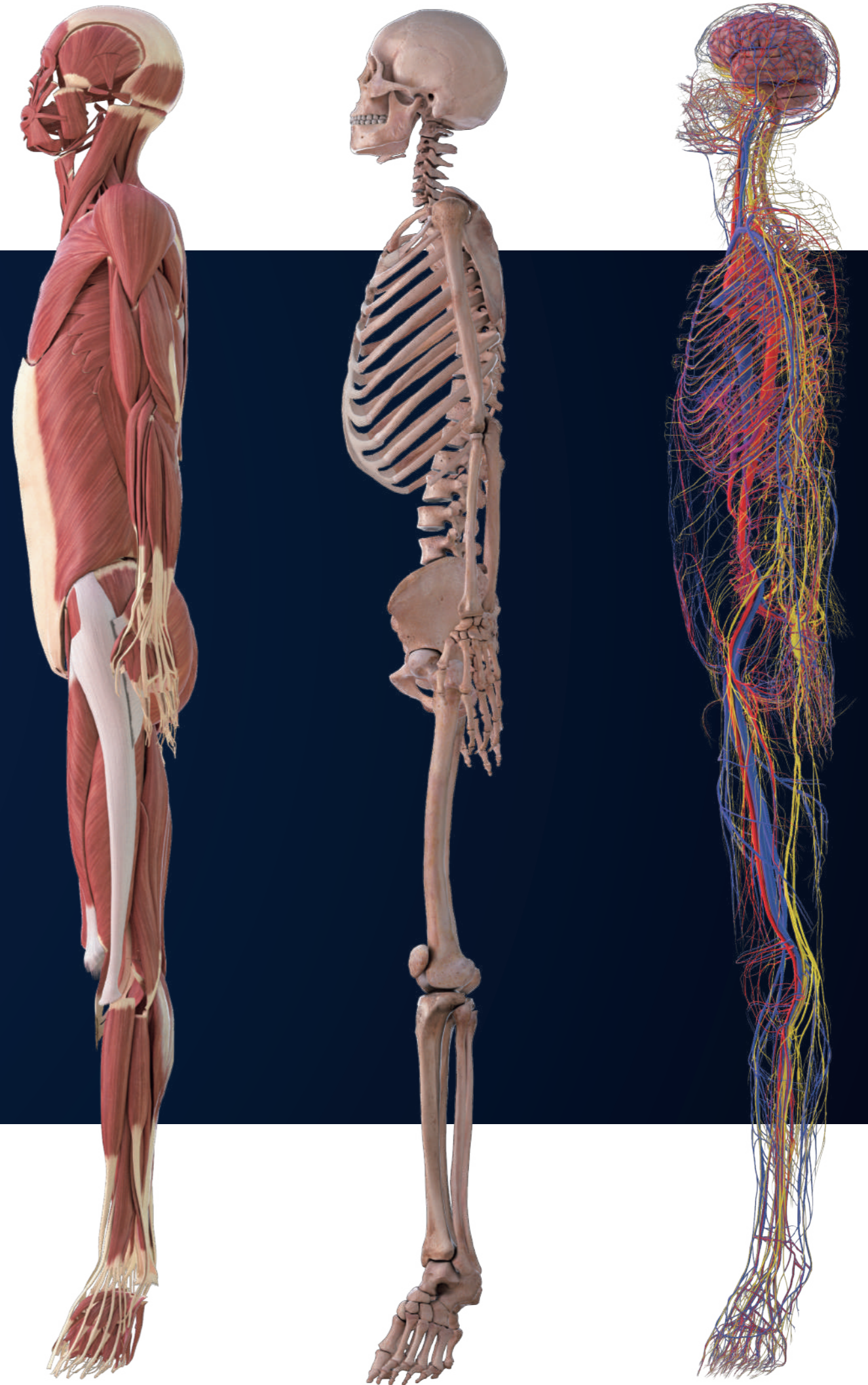
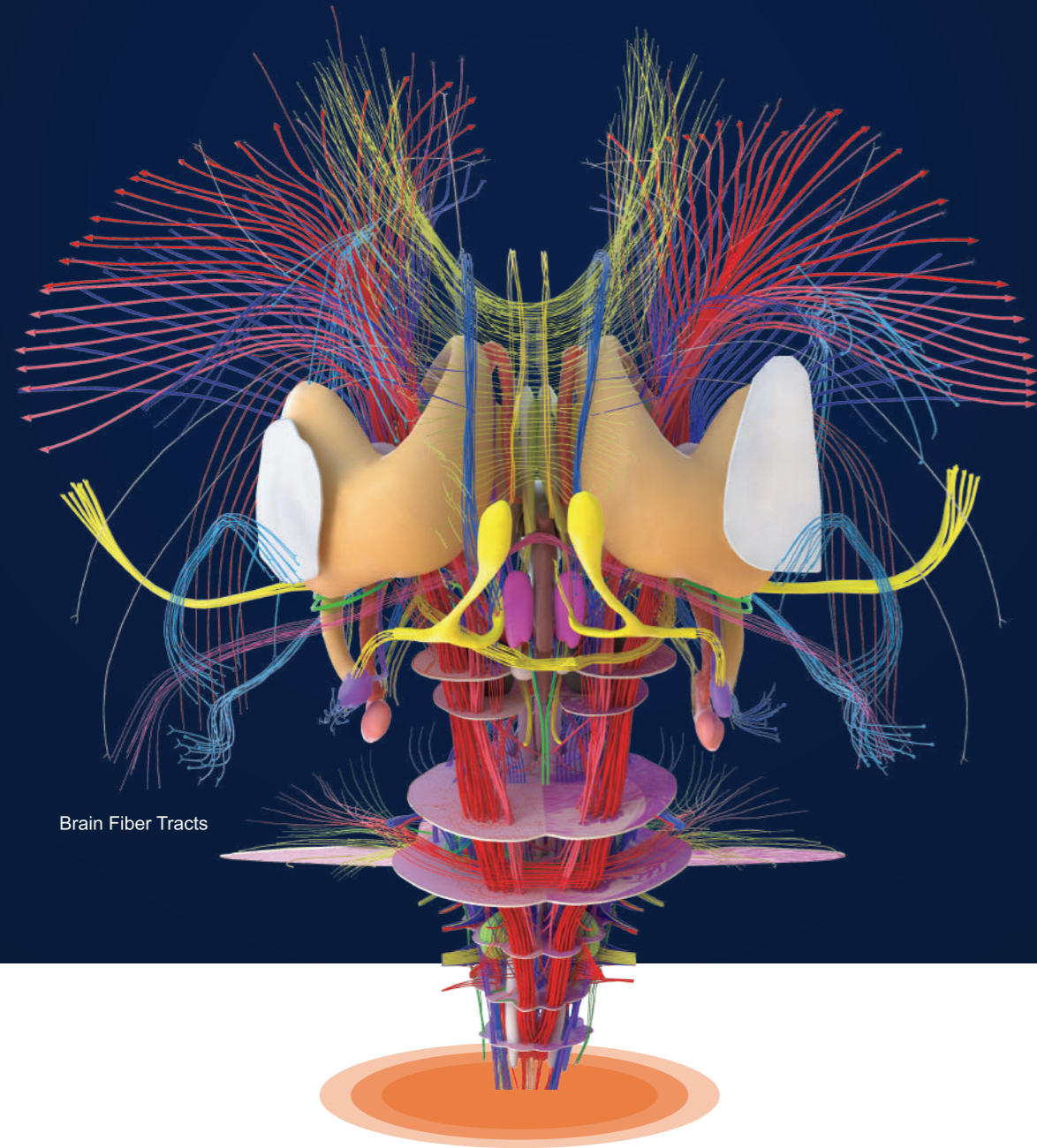
2 Clinical case module

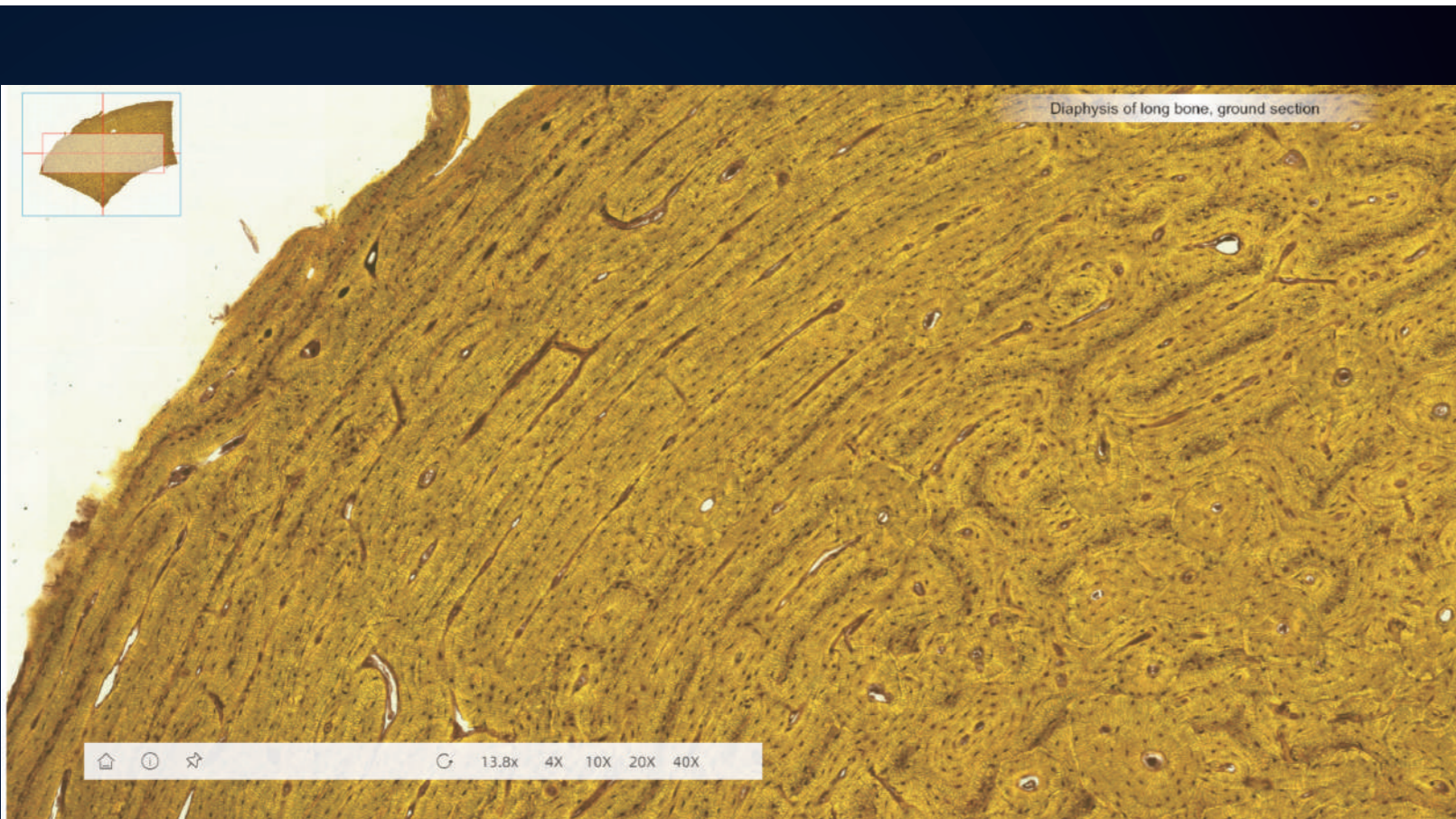
It has a lot of classical clinical cases. Each case contains several realistic CT or MRI images, a description of the case, 3D data reconstructed based on the clinical case images, and 3D data of the corresponding structure of the normal human body.



ECDH Anatomy System

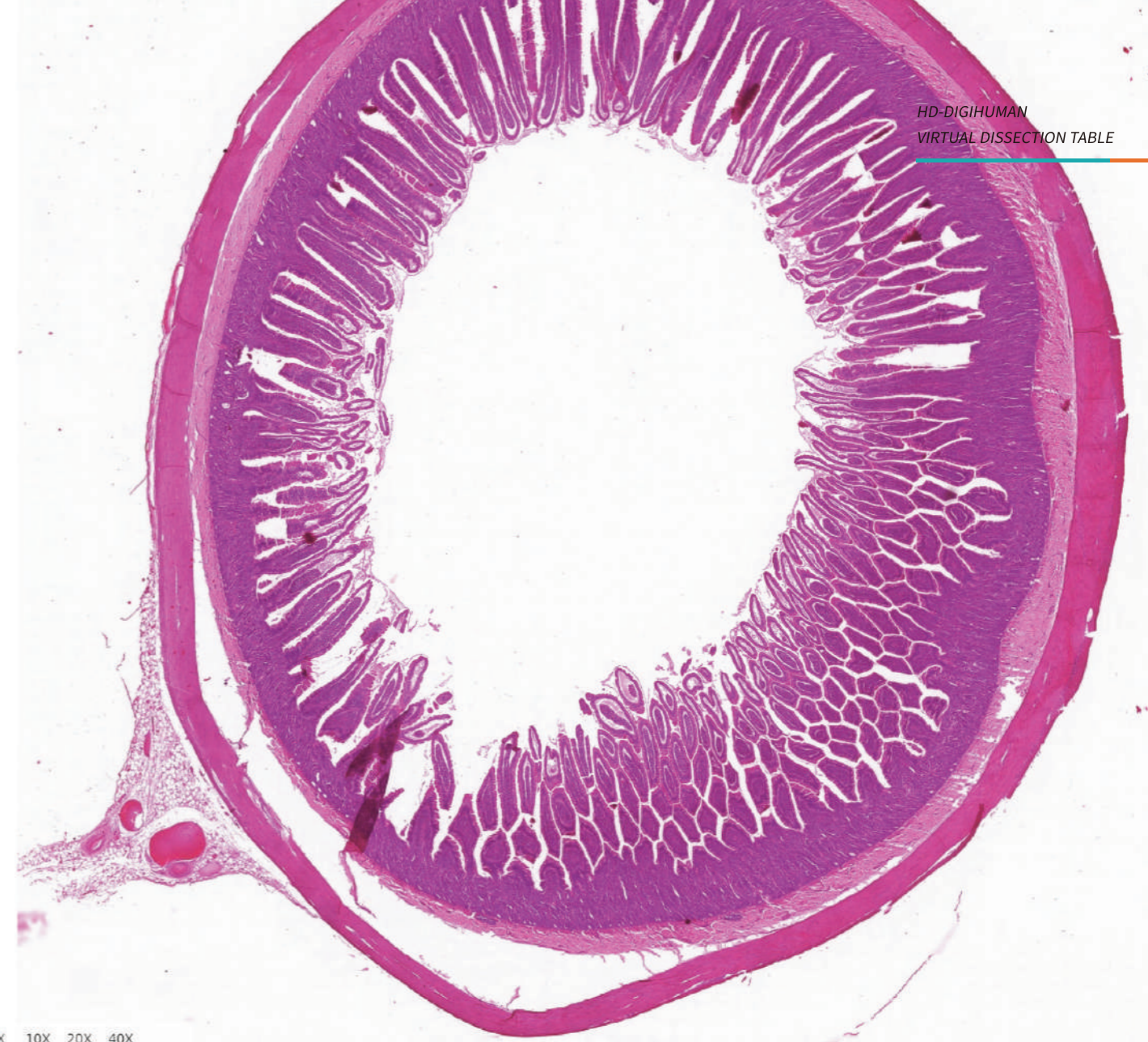
The system is equipped with the Digihuman Anatomy System, which can help with the clinical training and teaching.



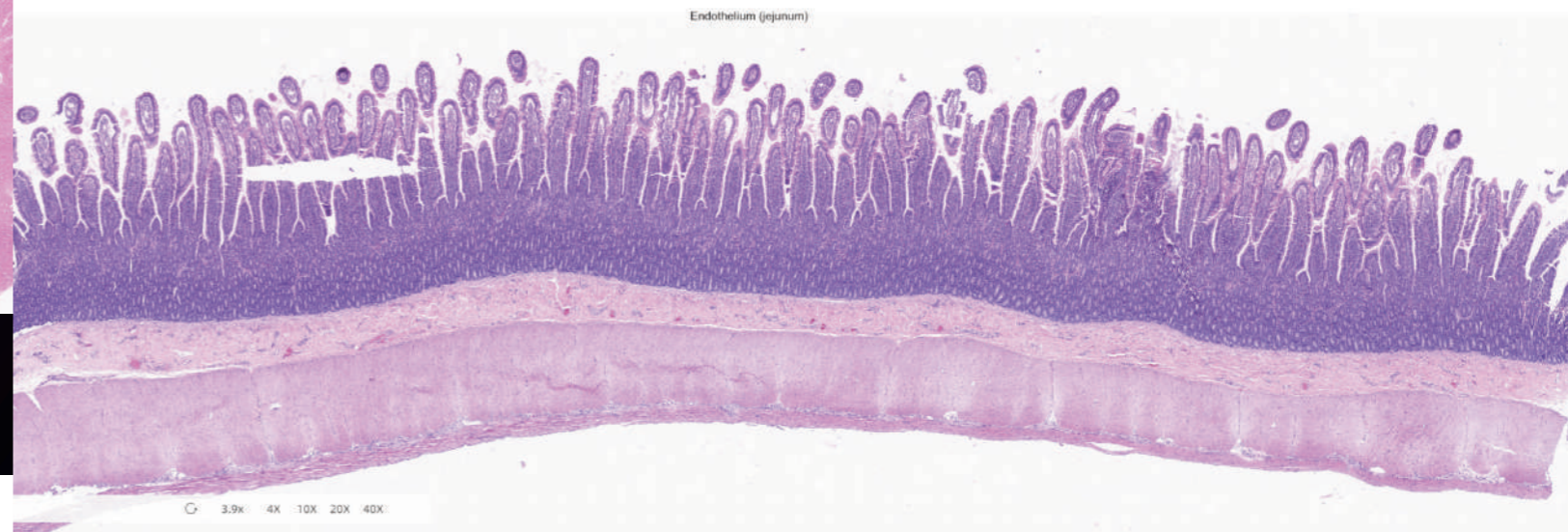
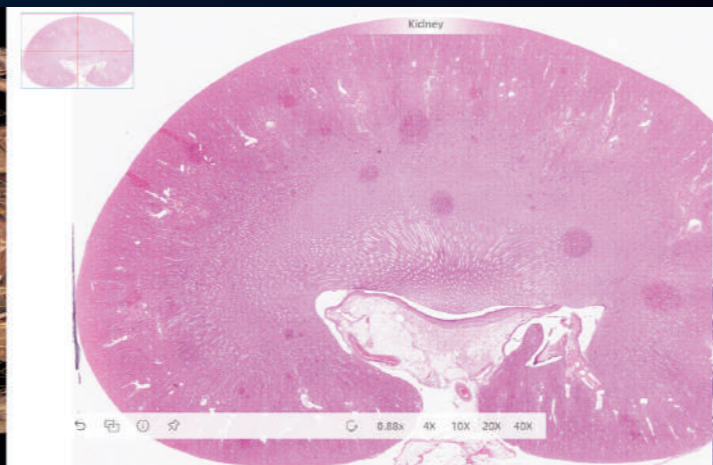


3 Slice Library

With the mainline of the structure of organs, the relevant digital microscopic structures of the current structure are correlated. When observing the anatomical structure, students can grasp the relevant content of histology, which can help to improve the knowledge structure.



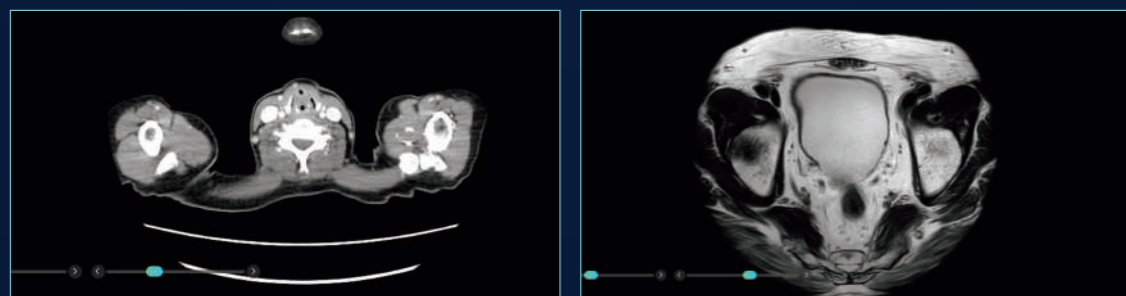
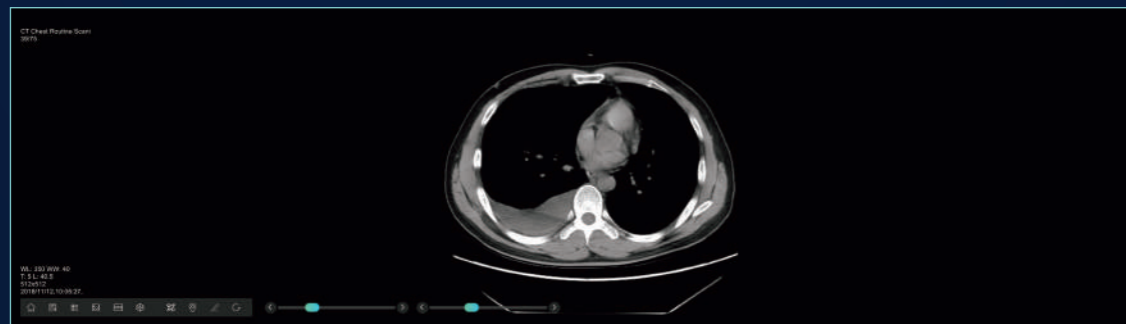
Slice Annotation: Supports one-click navigation to preset annotation positions, as well as manual marking with selectable marker styles such as arrows, circles, and text, which can be saved. The font size for comments and annotations can be adjusted.



4 Clinical Cases

Digital medical images

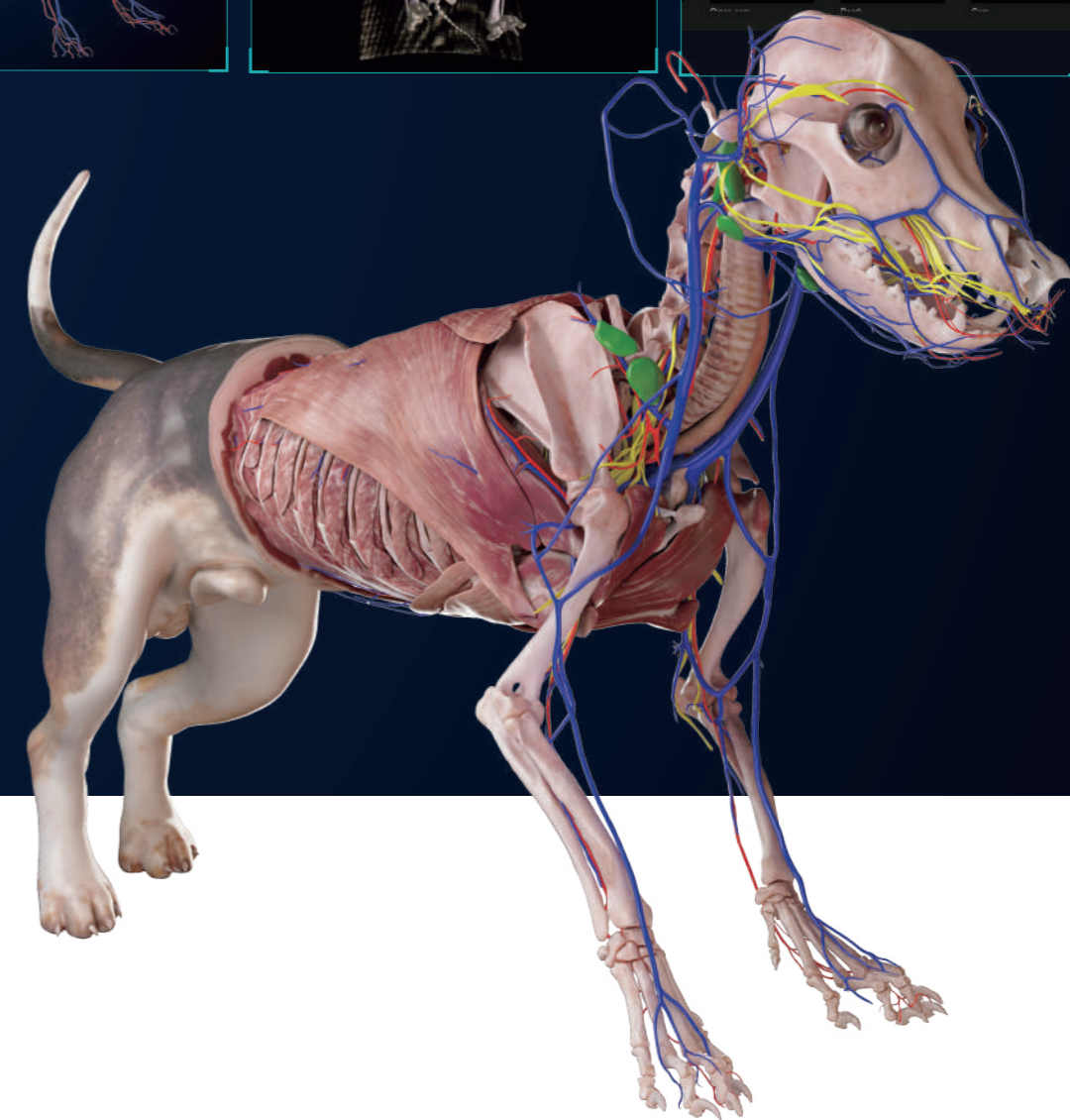
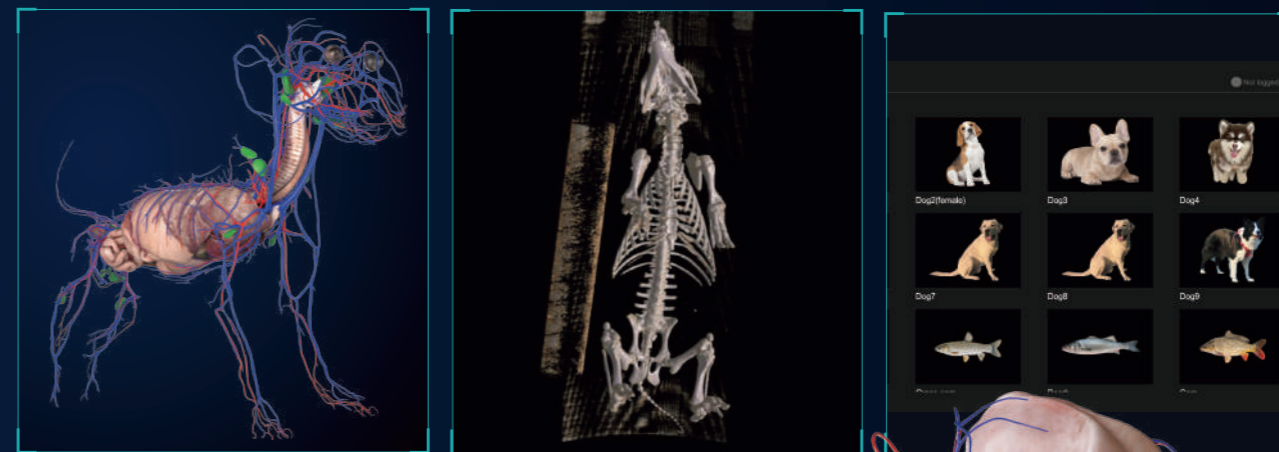
With the mainline of the structure of organs, the medical images of the current structure are correlated to construct the knowledge frame deeply.



5 Animal Anatomy

The digital animal module has a large number of built-in animal images and tomographic resources, mainly including dogs, fish, rats, pigs, rabbits, sheep, etc.

Real-time mapping of ultra-high-precision, ultra-large-data animal structures is achieved by processing ultra-high-precision animal tomographic sequence image technology.





6 Embryology

Virtual simulation teaching system for Human Embryology

The system is based on the teaching knowledge of human embryology, using multimedia animation video technology to reproduce the whole process of human embryo development at all stages, turning the abstract process of embryogenesis into a vivid dynamic courseware library, making the teaching and learning of "human embryology" more intuitive and vivid.

1 Early Development of Human Embryo



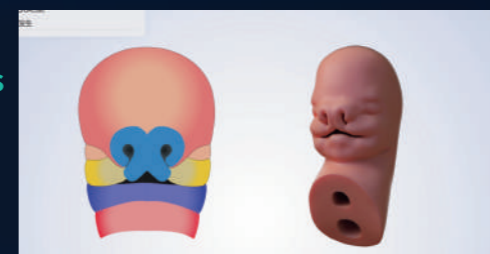
2 Development of Organs and Systems in Human Embryo



3 Congenital Malformation



Explanatory Videos

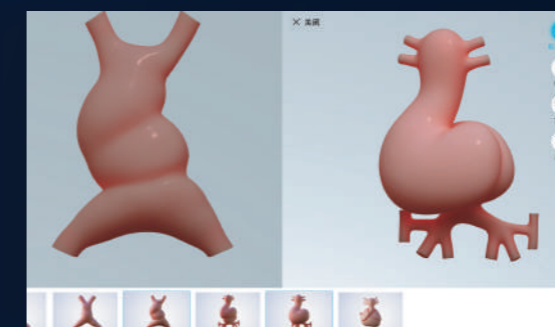


The development of the human embryo is visually restored, and the model can be rotated for observation from any angle.

Three-dimensional Structure



Each chapter has video micro-lessons on the key knowledge of the chapter, systematically explaining the content to be learned in the chapter.

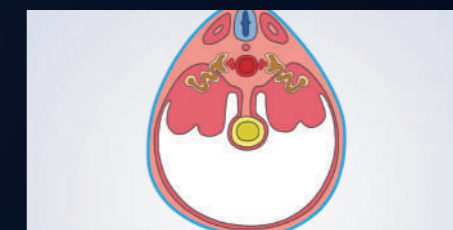


A unique time-series model is used to observe the process of change at different time points of embryonic development.

Dynamic Structure

Dynamic Videos

The system provides an in-depth demonstration of relevant and important knowledge points through specially designed dynamic demonstration videos to deepen understanding.



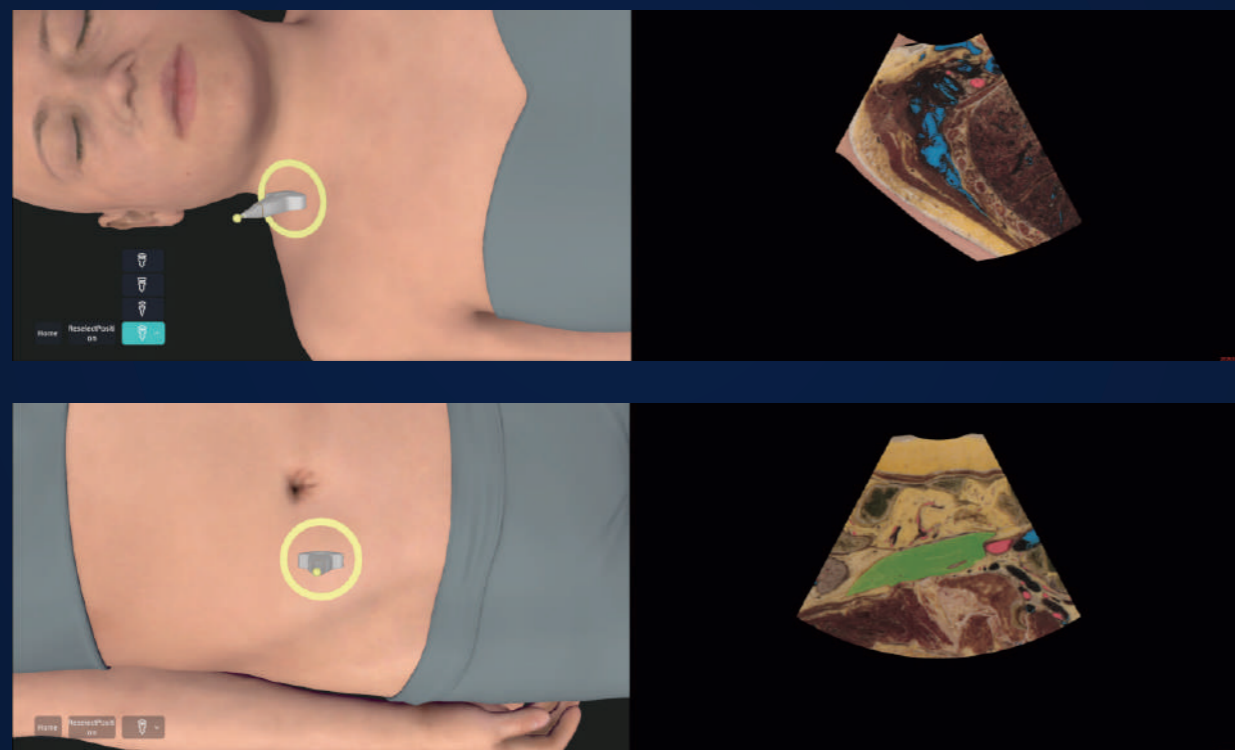
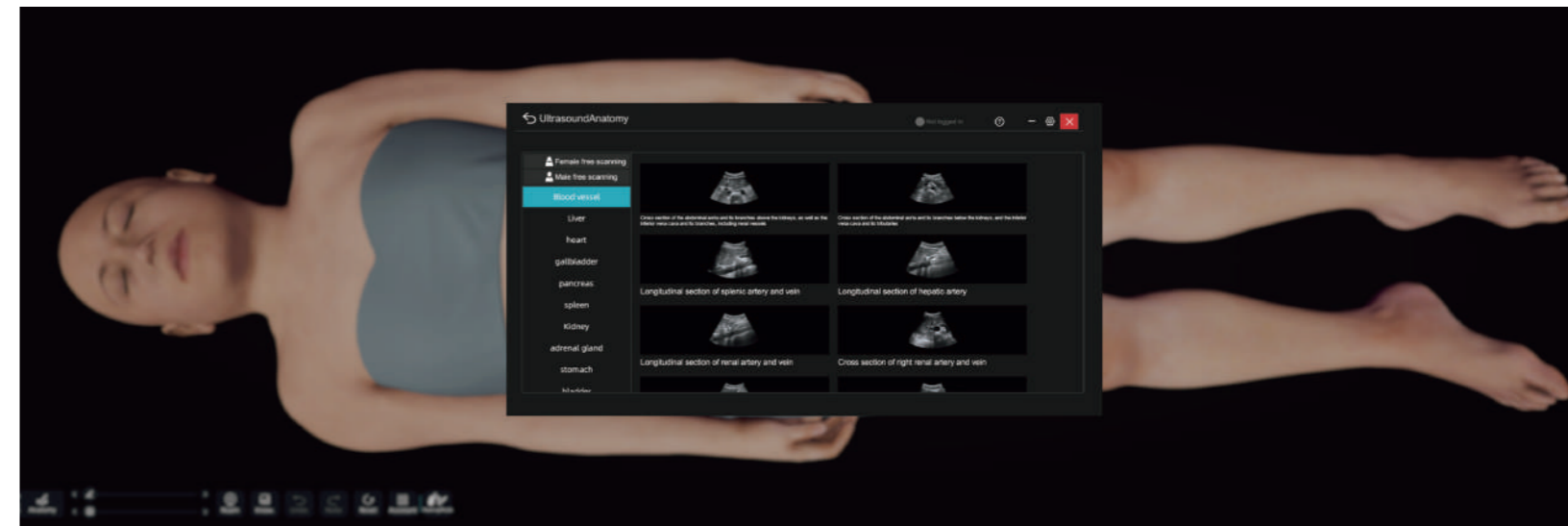
7 / Ultrasound Anatomy

Generates high-precision male and female sectional images from real medical data, fully covering major body regions with standard scan section alignment. Each section includes accurate structure annotations (e.g., liver longitudinal section showing pancreatic tail, splenic vein).

Offers two modes: Standard site scanning (≥ 12 clinical sites: heart, abdomen, thyroid, vessels) with guided paths and imaging correlations, and Free scanning for whole-body exploration.

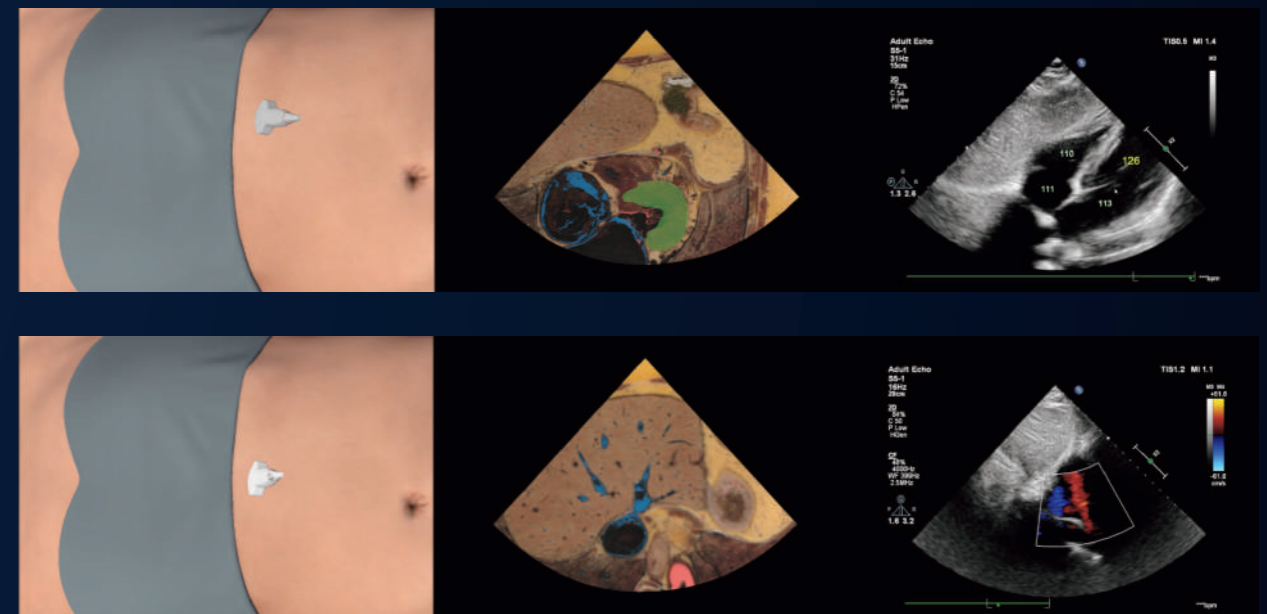
Free Scanning:

Free scanning allows users to arbitrarily select any region across the entire human body for independent exploration and learning. Clicking a structure in the section selects and highlights it, displaying its name.



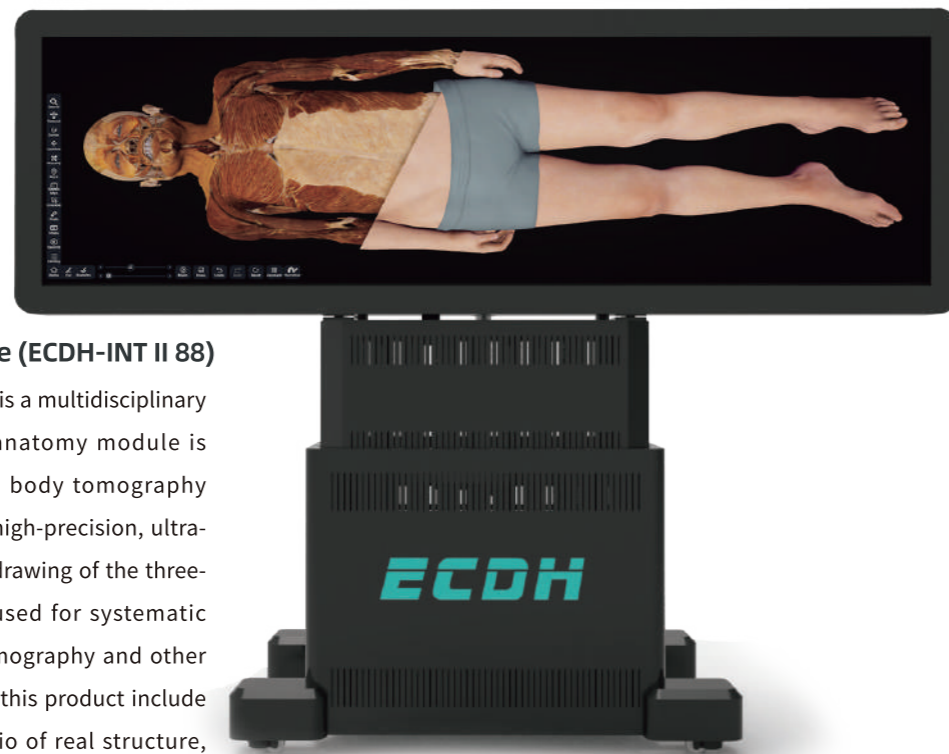
Standard site scanning(Heart):

In the Subcostal View, press and hold the probe to scan along the standard scanning points. During the scan, the sectional images of the standard site, 2D ultrasound images, and color Doppler ultrasound images update in real time as the probe position changes, enabling comparative learning and observation





8 Product Specifications



HD Digihuman Virtual Dissection Table (ECDH-INT II 88)

The "HD Digihuman Virtual Dissection Table " is a multidisciplinary teaching platform, in which the human anatomy module is processed by ultra-high-precision human body tomography sequence image technology to obtain ultra-high-precision, ultra-large-data human structure of the real-time drawing of the three-dimensional human body, which can be used for systematic dissection, local dissection, anatomical tomography and other disciplines of teaching. The main features of this product include high-precision virtual human body, 1:1 ratio of real structure, touch screen interactive operation, and lying down perspective observation.

Configuration of the host	i7 /64G DDR4 3200 /4T NVME SSD /RTX4080 /win10
Resolution	3840×1220
Brightness	700 cd/ m ²
Contrast	1300: 1
Visual angle	89/89/89/89 (Min.)(CR ≥ 10)
Power requirement	220V 800W
Net weight	243kg
Product size	2165*880*1100mm

*The hardware configuration will be adjusted accordingly with the product upgrade

HD Digihuman Mini Dissection Table (ECDH-INT II 55)

The "HD Digihuman Mini Dissection Table" focuses on human anatomy experiment teaching and meets the multidisciplinary integration teaching mode based on organ structure of basic human anatomy subjects, which is suitable for teaching applications. Through the virtual cutter and touch control operation to realize different directions and levels of the human body structure of any angle dissection, observation. The system is committed to creating high, precise and specialized products in the integration of multidisciplinary resources and teaching applications, and rapidly realizing intelligent teaching in the era of big data.








Configuration of the host	i7 /64G DDR4 3200 /4T NVME SSD /RTX4080 /win10
Resolution	3840×2160
Brightness	700 cd/ m ²
Contrast	1300: 1
Visual angle	89/89/89/89 (Min.)(CR ≥ 10)
Power requirement	220V 750W
Net weight	170kg
Product size	1465*950*1055mm

*The hardware configuration will be adjusted accordingly with the product upgrade



Gesture operation guide

Gestures	Description	
Single finger		Rotation
Two fingers		Zoom in/out
Three fingers		Panning
Five fingers		Operation panel positioning : Press the "Main Menu" button to drag
Long press multiple times		Cancel

