Anatomage
TABLE

WHY THE ANATOMAGE TABLE?

The Anatomage Table is the most technologically advanced virtual dissection table for anatomy education. The Table's life-sized display, clinical content, and renowned imaging software separates the Table from any other anatomy education tool on the market.

ADVANCED EDUCATIONAL TOOL

The accuracy of real human anatomy and quantity of clinical cases are unique aspects of the Anatomage Table. The Table includes ultra-high quality (UHQ) visualization for students to view photorealistic anatomical structures. Research has proven that working with the Table improves student retention and test scores.

TECHNICAL SHOWCASE

The Anatomage Table features highly advanced technology that draws attention from visitors as well as students and faculty. The Table will quickly become the technological centerpiece at your institution that sets you apart from other institutes.

CLINICAL CARE REVIEW

Beyond anatomy education, the Table's application extends to clinical planning and consultation. The Anatomage Table is FDA cleared for use in assisting medical diagnosis. It can be utilized as a powerful radiology workstation and as a valuable tool for surgical case review, patient consultation, and medical research.

COST REDUCTION

Unlike cadavers, the Anatomage Table does not require ventilation infrastructure, embalming equipment, personnel, or storage. The contents are reusable, so there are no recurring acquisition costs. The product will save significant costs over the long term.

CLEAN & SAFE

The Anatomage Table offers a higjh-quality lab experience without any chemicals. There are no possibilities of leaks, no environmental concerns, and no additional ventilation requirements. The product provides headache free lab sessions.

|	Models	Cadavers	TABLE 7
Chemical Free	✔		✔
No Special Facility	✔		✔
No Restrictions	✔		✔
Unlimited Cases			✔
Minimal Recurring Costs	✔		✔
Real Human Anatomy		✔	✔
Unlimited Cutting			✔
Life Size		✔	✔
Physiology Functions			✔
Updates & Support			✔

"*For surgeons, residents, fellows, and every level of education it is a new opportunity to be able to learn anatomy in a different manner that's very, very efficient.*"

– David Thiel, M.D., Associate Professor of Urology
Mayo Clinic, Florida

APPLICATIONS

LECTURE

The Table can be used during lectures since it can connect to projectors. Instructors can create and demonstrate procedural material, making lectures more dynamic and engaging. Screen captures and video clips can be easily saved and shared with students as review material. Running a full lecture with the Table turns a traditional, difficult class into an exciting, highly interactive one.
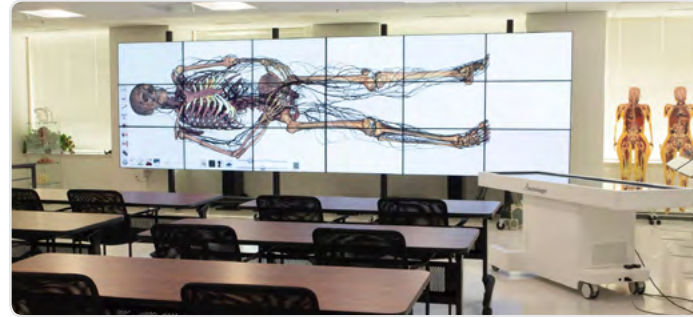
FULL LAB REPLACEMENT

The Anatomage Table is sufficient to cover the full anatomy class. High accuracy and rich contents offer an excellent replacement to traditional cadaver-based dissection. The Table simplifies complex anatomical information to increase subject retention and ease the learning process. Since the data preserves the real-life patient color and shape, the Table is more effective than embalmed cadavers.

VIRTUAL MEDICAL LAB

The Anatomage Table can be used in conjunction with existing cadaver dissections. Each of the 4 cadavers is segmented with high accuracy and have been preserved with their individual pathological details. Our cadavers can be sliced multiple times in any orientation and each anatomical structure can be separated and reviewed individually. Student assessment and curriculum creation are easily accomplished through the use of the Anatomage Table.

CLINICAL CASE REVIEW

Utilizing the Anatomage Table, real patient clinical cases can be reviewed and rendered in full 3D and associated 2D slicing. Through the Table's clinical case library, users can compare healthy and unhealthy structures, view structural relationships, and visualize rare and unique pathologies. Students have the opportunity to dissect reconstructions and cross-sectional planes of clinical cases. Students can review in collaborative groups to perform dissections and answer questions.

PRE-SURGICAL PLANNING DEVICE

A strong pathological and procedural training tool, the Anatomage Table's features are derived from an FDA cleared surgical planning software that enables surgeons and doctors to upload patient scans and model them into 3D images. This allows for virtual operation on human anatomy, assisting them in outlining surgical procedures without relying on physical cadavers.

PATIENT CARE

Visualization and comprehension of clinical procedures is easier for patients when viewing their anatomy in 3D color as opposed to 2D black and white slices. In addition, simulation content is available for supporting doctors in the diagnostic process. With this technologically impressive visual consultation, patient care and safety will be improved further.

FORENSIC & VIRTUAL AUTOPSY

CT scanning is increasingly popular in the field of forensics and archaeology. The Anatomage Table had a crucial role in the historical investigation of Pharaoh Tutankhamun's cause of death, documented by Fuji TV and PBS in August 2012, and by STV and BBC in October 2014. The Table's forensic autopsy applications were also positively reviewed in a 2013 Scientific American article. Most recently, Anatomage Table was also featured in a popular documentary Jack The Ripper from BBC in April 2019.

VETERINARY USAGE

The Table is an ideal instrument for veterinary professionals. Compare the anatomy of different animals for education or research, load your own veterinary scans for instruction or case planning, and study animal anatomy.
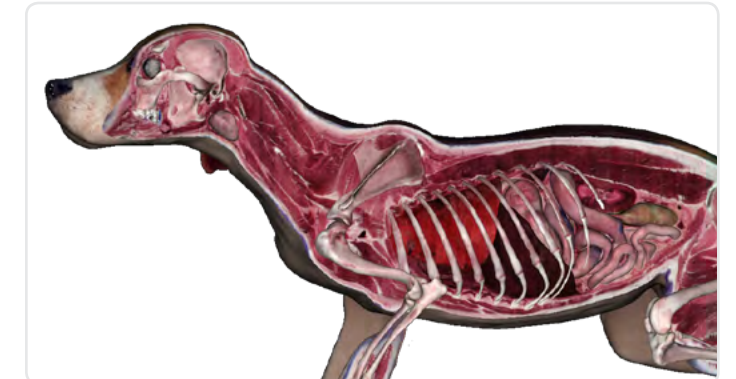
CONTENTS

GROSS ANATOMY CONTENTS

The Table contains both life-sized male and female gross anatomy. Including multiple full-body cadavers ensures that students are exposed to anatomical variations. External and internal anatomy is volumetrically displayed from head to toe and includes thousands of annotated structures. The images are created by digitally tracing real non-chemically treated cadavers. The color and shape of the cadavers are preserved to accurately depict real anatomy.

The virtual body can be cut layer-by-layer and users can make certain structures transparent to view surrounding anatomy. Students can clearly visualize cardiovascular, nervous, and muscular structures. Additionally, blood flow can be vividly animated for any artery or vein in the cadavers.
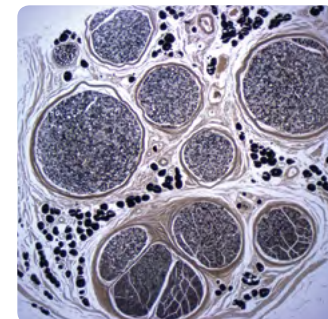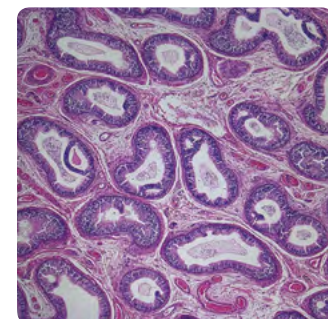
REGIONAL ANATOMY CONTENTS

The Table includes high-resolution 3D regional anatomy up to 0.2mm. The regional scans cover the entire body and allow for students to visualize detailed structures such as nerves or blood vessels that are difficult to see by any other means.

Users are provided with an in-depth view of major structures in the body such as the heart, lungs, abdomen, and pelvis that might be difficult to see on a full body cadaver. The Table's features allow users to easily toggle systems on and off to view specific anatomical structures. The structures can be rotated or zoomed in on for detailed 3D visualization of the body's regional anatomy.
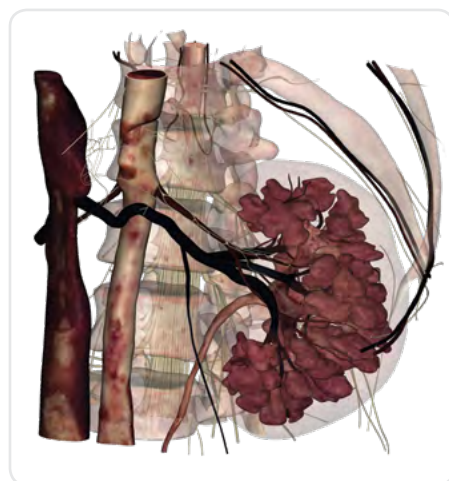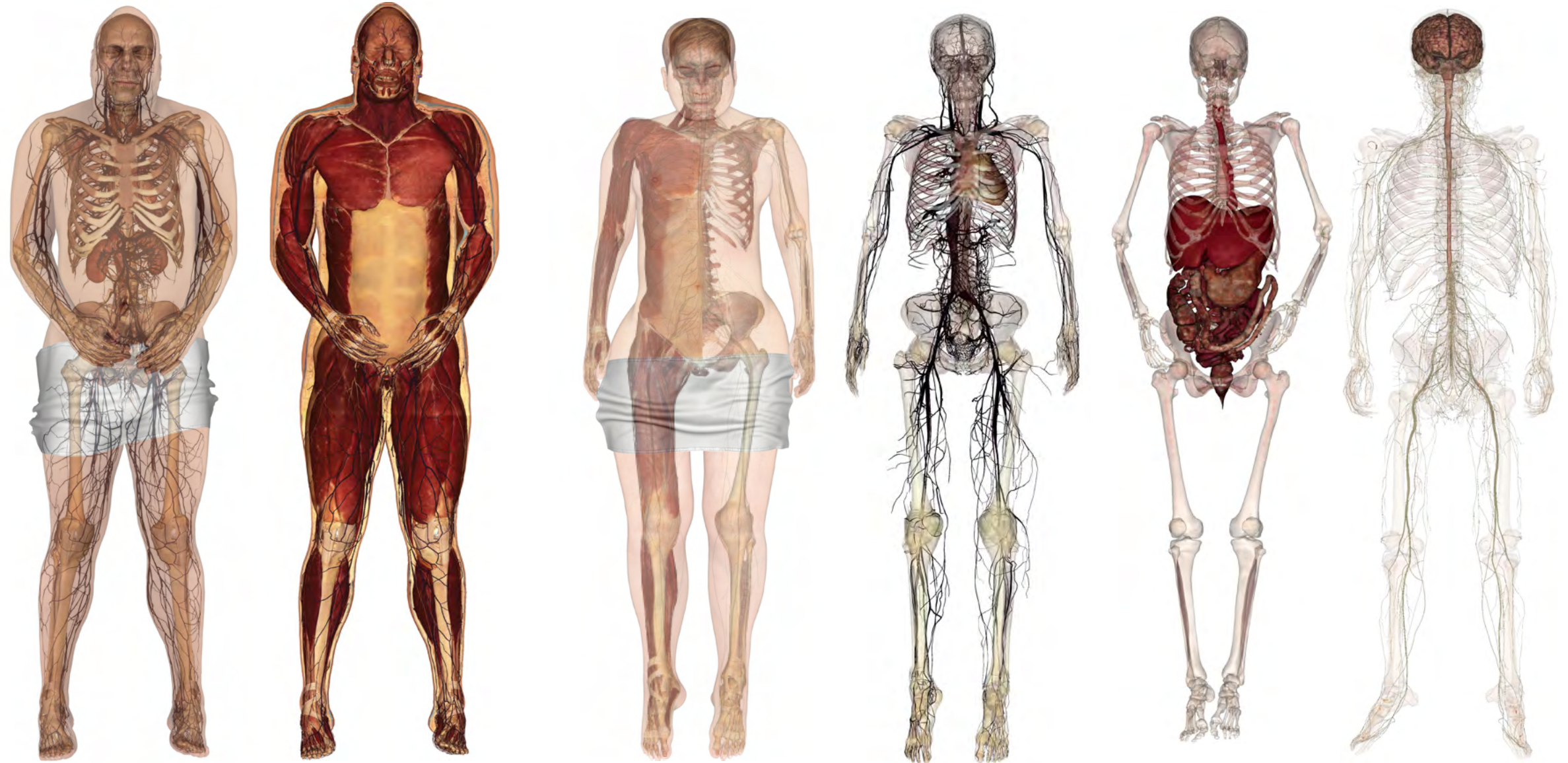
HISTOLOGY SCANS

The image library includes a variety of microscopic histology scans. Students can examine microscopic tissue structures and cell-specific biomarkers from a collection of accurately stained digital scans. The cell and tissue scans include healthy and abnormal clinical cases from across the body. Viewing histology cases offers students a well-rounded study of anatomy and pathology.

PROSECTIONS

The Table provides medical school level anatomy content with access to 60 photorealistic prosections. The Table contains a wide range of 3D cadaver prosections highlighting images from various regions of human anatomy and case examples for normal and pathological tissue. Detailed annotations of the regions are available for all prosection images. Users can also customize the prosections' annotations.
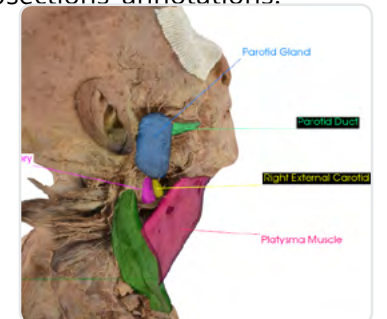
FEATURES

INTERACTIVE DISSECTION

The Table offers unique interactive dissection tools with thousands of anatomical structures segmented and annotated for both male and female cadavers. With the touchscreen, users can rotate structures, make multiple cuts, and undo any cut instantly. Any anatomical structure or system can be easily identified.
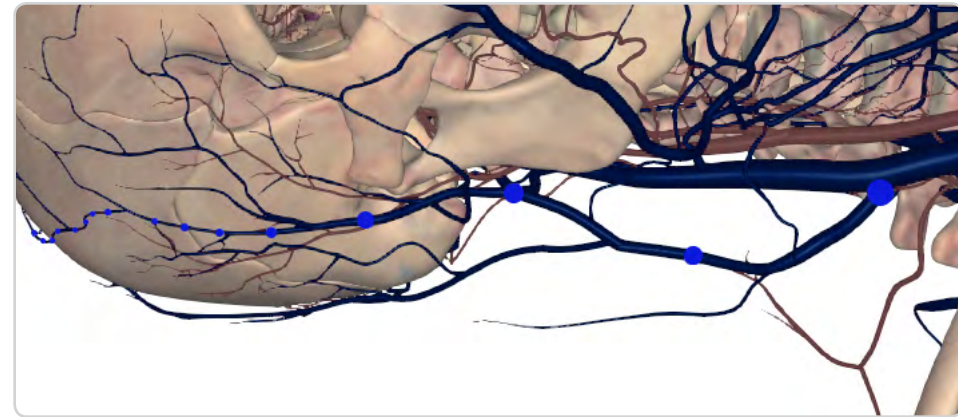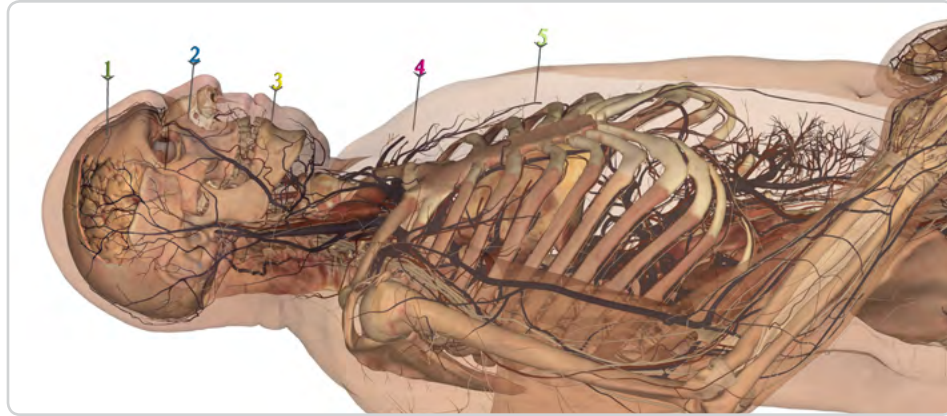

BLOOD-FLOW SIMULATION

The Table highlights the movement of blood throughout the human body. With the touchscreen, users can select any artery or vein and visualize blood flow toward or away from the heart. The selected pathway can be quickly annotated and colored to emphasize the anatomical structures involved.

VIRTUAL ARTHROSCOPY

The Table simulates an arthroscopic procedure by visualizing anatomy within any joint of the cadaver. During this visualization, users can easily identify and further dissect any structure. The virtual arthroscopy reinforces 3D spatial relationships and is an effective tool for medical training.
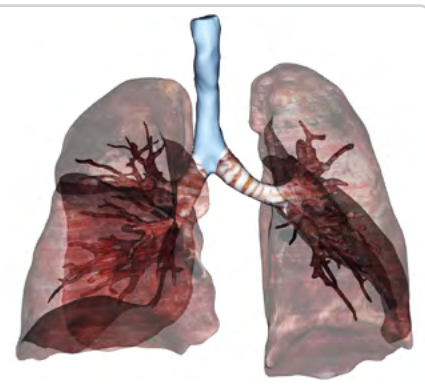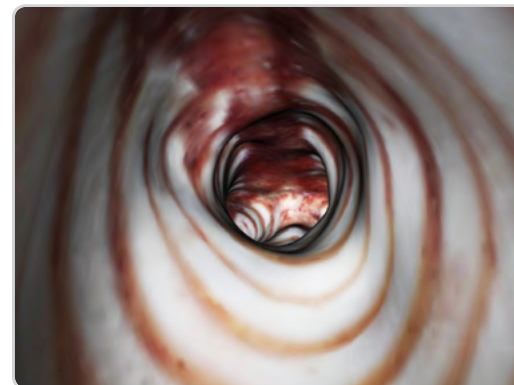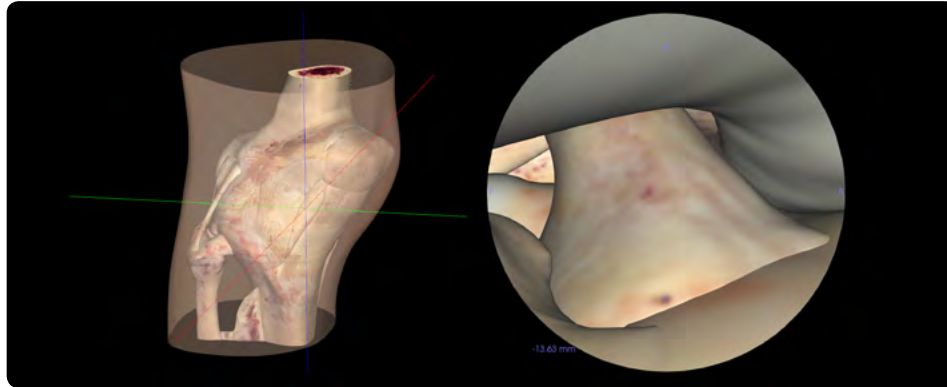

FLYTHROUGH SIMULATION

The Table provides a unique tool to visualize internal cavities throughout a real cadaver. The Table links 3D gross anatomy to laparoscopic internal views within cavities of the body. With this tool, users can simulate procedures through the respiratory tract, gastrointestinal tract, and chambers of the heart.

GROUP & SELF ASSESSMENTS

Instructors can create material for quizzes and practicals on the Table. The Table comes equipped with a Quiz Mode that enables teachers with an advanced tool for student assessments and collaboration through the use of flashcards or a more traditional anatomy identification exam. Instructors can export results directly from a student roster for analysis.

FLASHCARDS 1/20

R 3rd Rib

Skip   Confirm
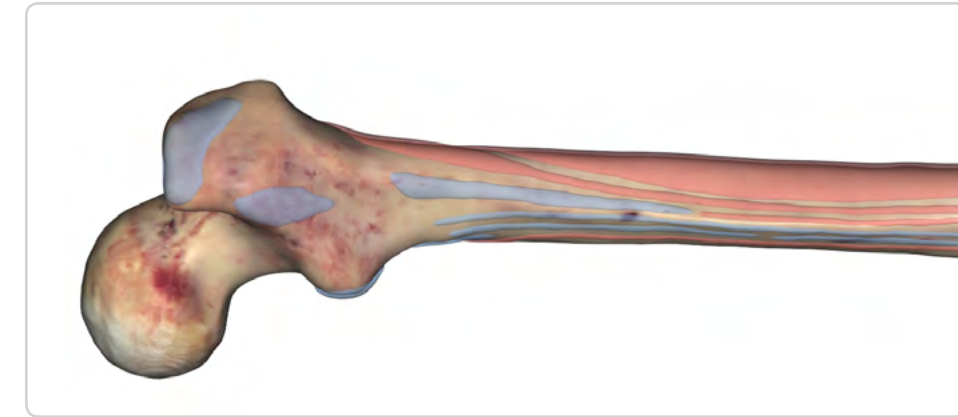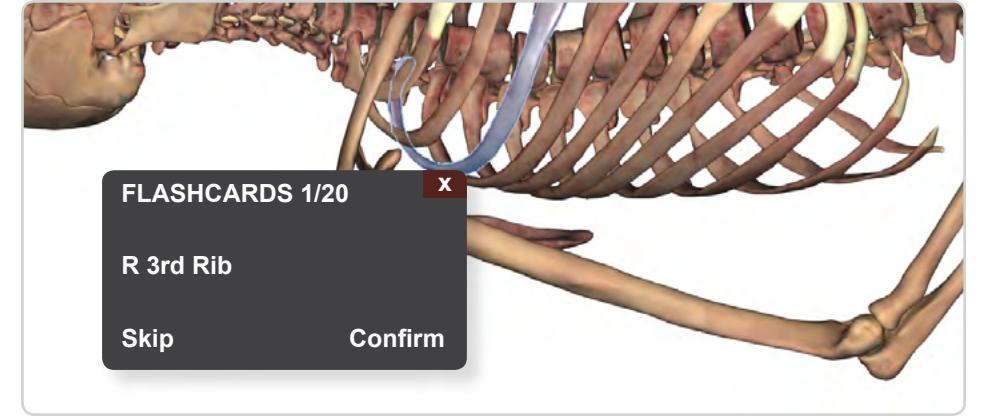
ORIGINS & INSERTIONS

The Table provides in-depth details for origin and insertion points on skeletal bones. Origin and insertion surfaces can be highlighted on every cadaver to represent the relationship between the skeletal and muscle systems. Bone landmarks can be annotated and identified.

RADIOLOGY WORKSTATION

The Table functions as a complete radiology workstation and loads DICOM data such as CT and MRI scans. The Table integrates with PACS for clinicians to load images as 2D radiological slices and 3D reconstructions. Whether using the library images or your own medical scans, the Table delivers full 3D anatomy.
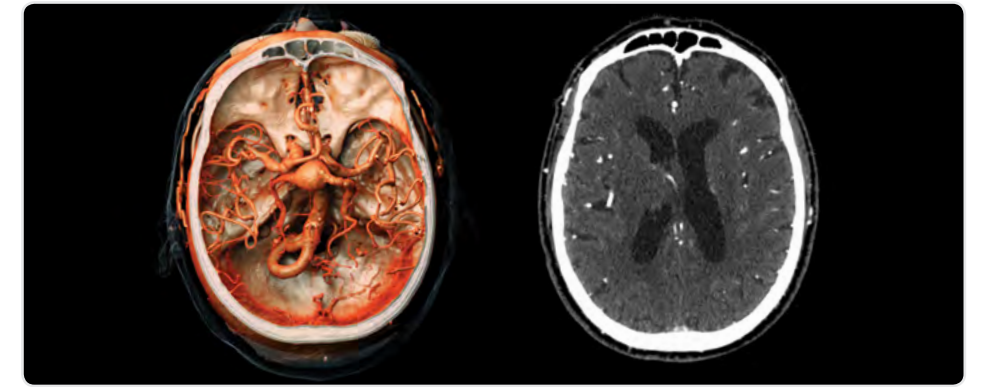

DIAGNOSTIC TOOL

The Table is an FDA Cleared diagnostic tool designed to render patients scans in 3D and enable physicians to assess the patient. With the Table's numerous dissection tools, physicians can virtually dissect patients and isolate afflicted areas to render a more accurate decision for treatment.

FEATURES

HEART MOTION SIMULATION

The Table enables heart motion simulation on a digital cadaver. Tapping on the Heart Motion tab, users can simulate a beating heart on the cadaver. A digital ECG can be used to adjust the heart rate, allowing users to monitor the heart's electrical activity on a graph. This simulation tool will enhance your medical training curriculum, delivering an innovative approach for the human cardiovascular study.
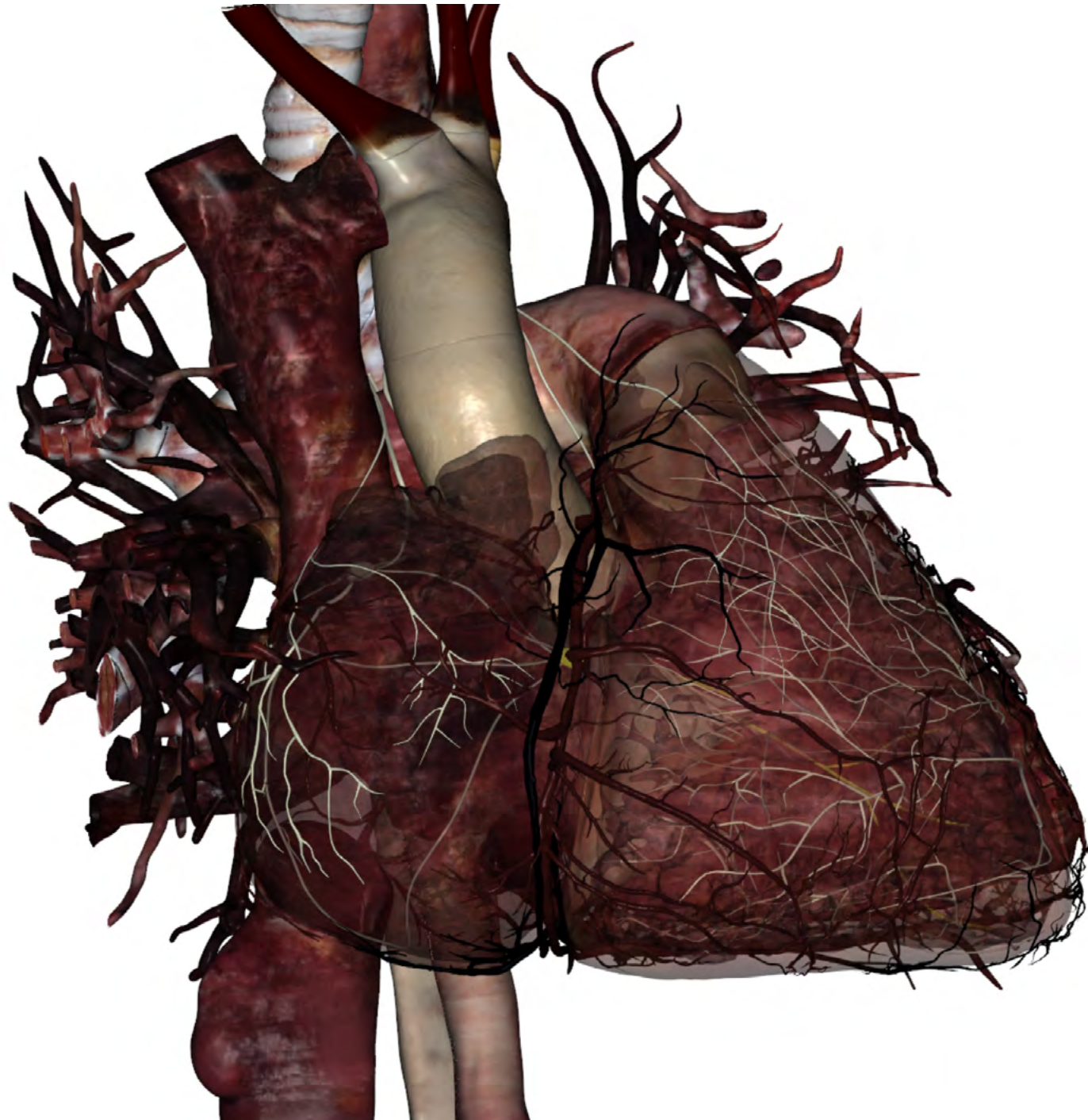

PHYSIOLOGICAL PATHWAYS

The Table enables users to visualize 11 physiological pathways. From the air pathway during inhalation and exhalation to GI contrast, to blood flow, users are enabled to visualize how a subject is passed through internal organs or veins inside a human body. Users can use color to highlight any structures to map out a specific physiological pathway.
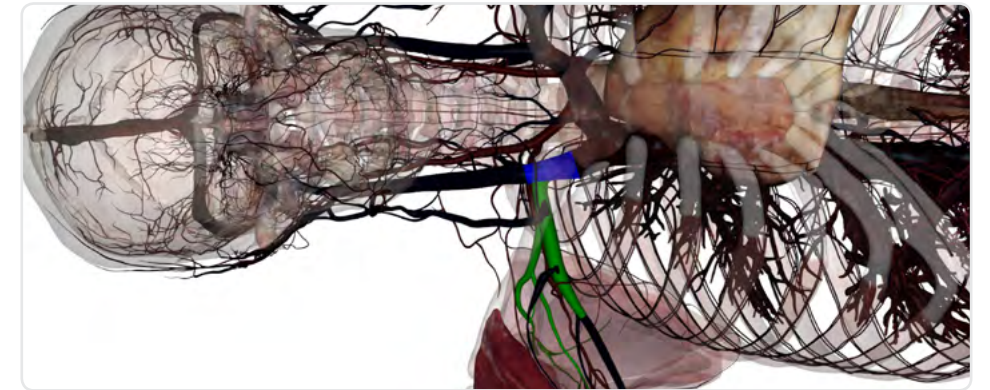
CATHETER SIMULATION

The Anatomage Table includes a virtual catheter that allows users to practice different types of catheterization. The simulation tool can assist users in medical planning, from locating inserting areas to performing operations. Consisting of four different types of catheterization, the tool serves as a step-by-step guide through the procedure.
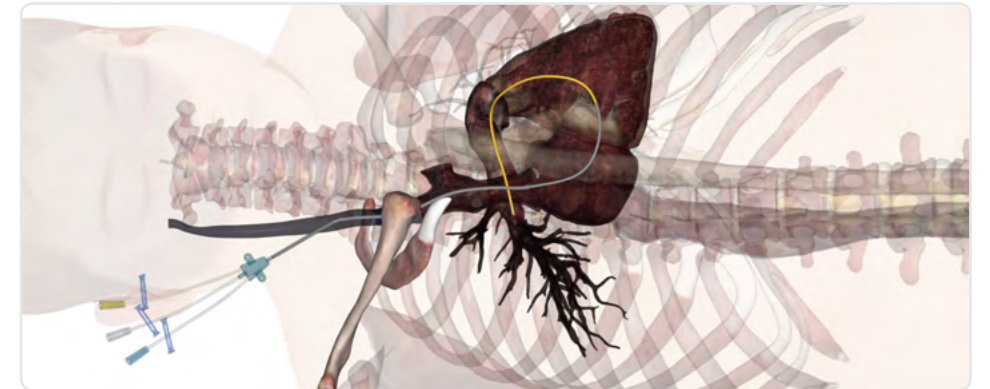
NERVE DISTRIBUTION

The nerve distribution allows users to explore a complex nervous system and its pathway. Containing 188 detailed dermatomes, the tool assists users in identifying which particular nerves innervate specific muscles, organs and dermatomes. The nerve pathway also makes it possible for users to examine the nerve system of the cerebral cortex, which is challenging to visualize through the naked eye.
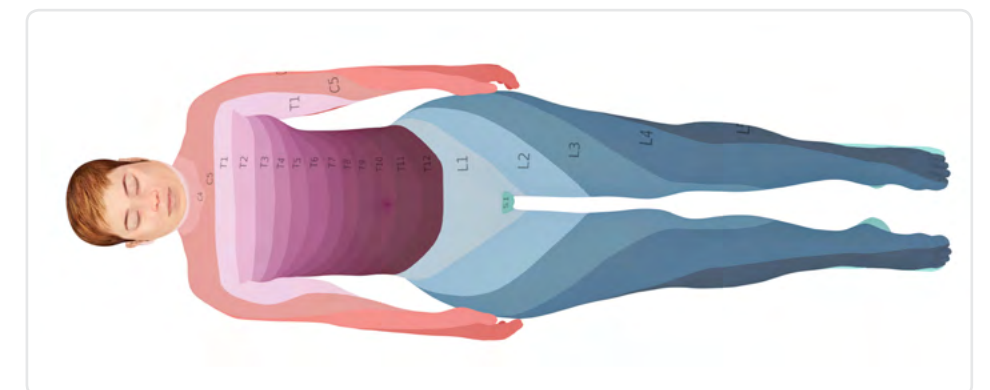
DIGITAL ANATOMY LIBRARY

CLINICAL CASES

The Digital Anatomy Library offers over 1,300 clinical cases with a variety of visualization options and includes data from vertebrate anatomy and embryology. The Table includes scans of rare cases such as abdominal ectopic pregnancy, brain aneurysm, and conjoined twins. Students have the opportunity to view conditions that range from various bone fractures, medical implants, gunshot wounds, and more.

DIVERSE COLLECTION

For each case, users can access the original scan data, 3D image, and medical case notes. The library includes 4D scans where users can view movement such as beating hearts and respiration in real time. The library allows students to make the connection between 2D cross-sectional scan data, 3D anatomy, and 4D visualization. The variety of clinical cases ensures that students gain exposure to a wide range of pathologies.
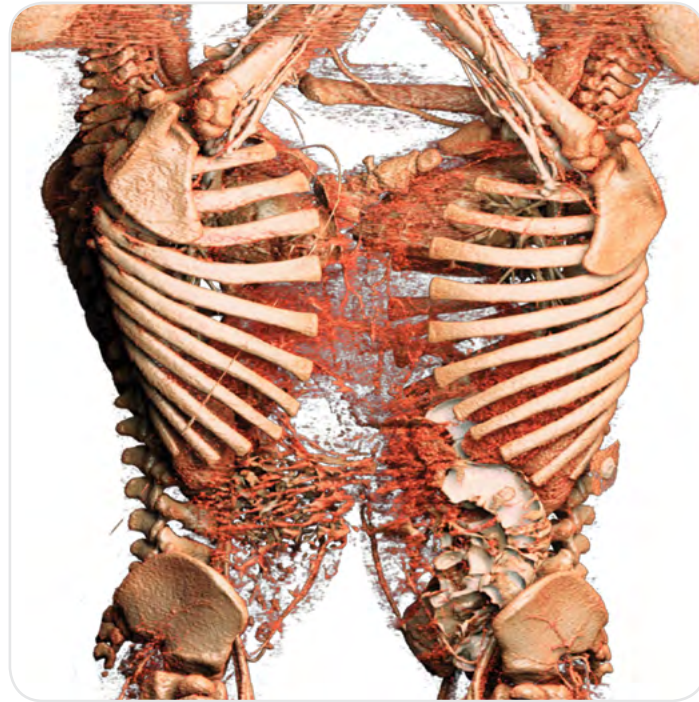

VETERINARY CASES

Included in the Digital Library are full-body cat, dog, and mouse cadavers as well as over 150 other CT scans from various species and breeds. The full-body cat and dog have been fully segmented based on real tissue data so users can toggle individual structures on and off. Additionally, there are numerous CT scans of horses, gorillas, alligators, and even invertebrates such as earthworms and centipedes.


EMBRYOLOGY CONTENTS

The clinical case library contains vivid embryology content in 3D and 4D for instructors to teach human embryology. Students can view 3D embryo scans to visualize stages of human development in extreme detail. The library includes scans spanning Carnegie stages 13-23 or 28-56 days. Additionally, there is a scan of a 26 week old fetus, along with cases of a fetal brain cyst, umbilical cord cyst, and Dandy Walker syndrome.
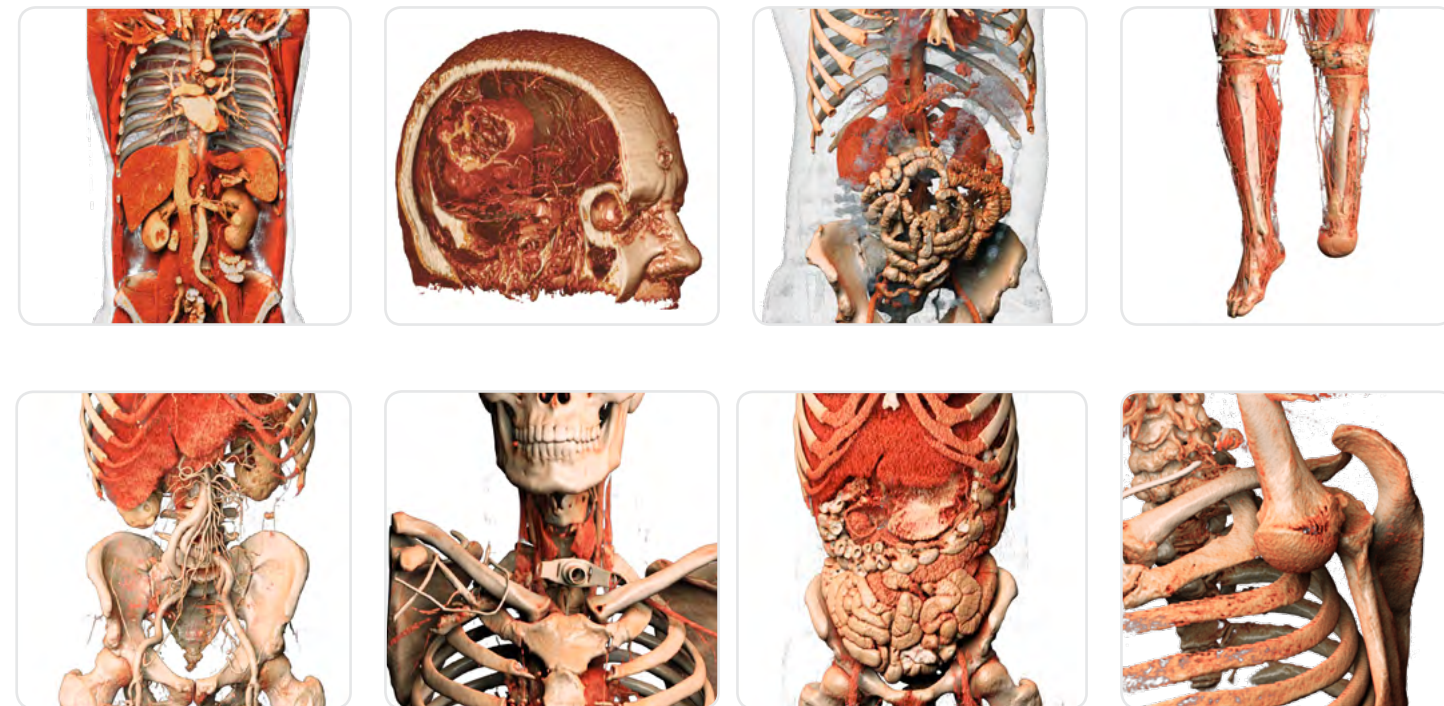
COMPARATIVE ANALYSIS

The digital library offers comparative study cases with synchronized dissections of multiple cases. Three related cases can be viewed by the user simultaneously. Users can also create their own cases to review pre- and post-surgical scans, congenital comparisons, and cross-species evaluations. Viewing side-by-side case comparisons gives students a comprehensive visualization tool to study and review comparative anatomy.
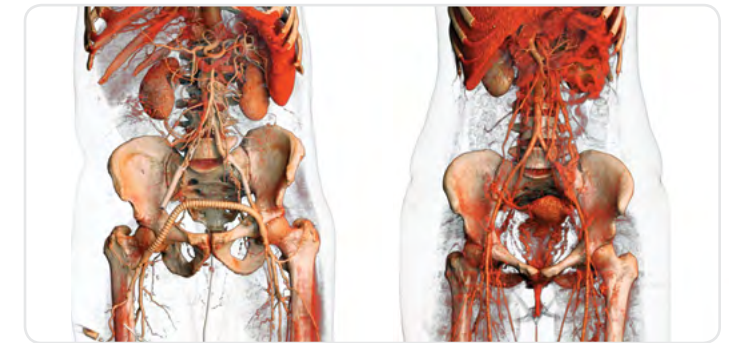
"The ability to view a large variety of CT and MRI scans is unique and infinitely useful.... Anatomy courses including identification of structures seen in cross sectional anatomy, x-ray, CT or MRI slice data, pathologies or abnormalities, anatomical variations, fractures, or cardiovascular conditions or diseases will find the Table an excellent method to both instruct and test students in these regards."

– W. Paul Brown, DDS, FICD, FACD
Stanford University, Division of Clinical Anatomy

BUILDING YOUR CURRICULUM

THE ANATOMAGE CURRICULUM

The Anatomage Curriculum features an intuitive interface for instructors to cover human anatomy by region and by system. Instructors can access a PDF file to be distributed to students and used to easily locate any anatomical region. Teach comparative, clinical anatomy using real patient data with annotated, relevantly displayed scans from the Table's library. The Curriculum is designed to make the integration of the Table into your classroom as efficient as possible.
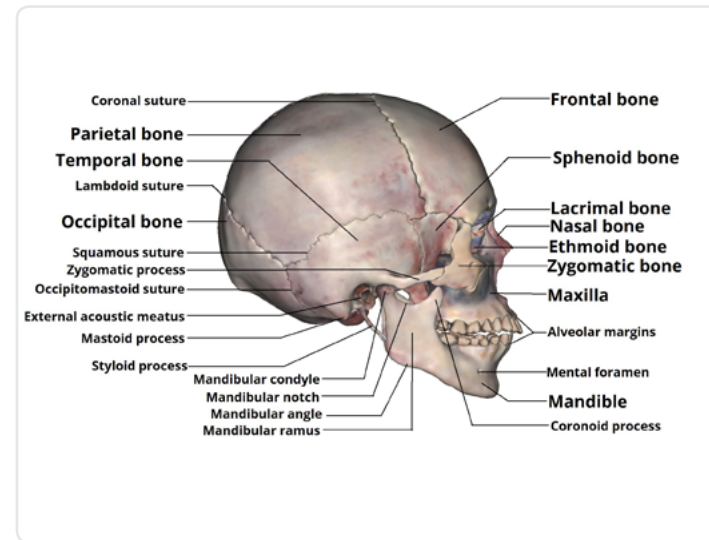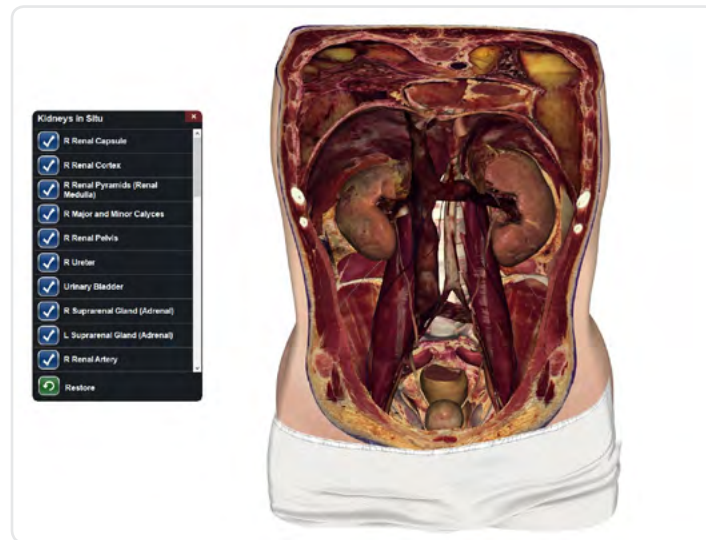
CLASSROOM INTEGRATION

With the Table's built-in quiz mode, instructors can drop pins and create testing material for lab practicals, assignments, and examinations. The Table's video out functions ensures that it can be utilized in lecture halls through the connection to projectors, or in small groups with multiple external monitors.

DRIVE STUDENT COLLABORATION

Present customized lectures with, or give students the opportunity to, explore and lead discussions. Students can form small groups to collaborate while answering questions and take quizzes using pre-loaded cases. They also have the opportunity to discuss comparisons between normal and abnormal pathologies side-by-side.

HARDWARE SPECIFICATIONS

CONVERTIBLE

Product Dimensions	Length: 85" (216 cm)	Length: 55" (140 cm)
	Height: 33.5" (85 cm)	Height: 86" (218 cm)
	Width 34" (87 cm)	Width 34" (87 cm)
Weight	400 lbs (182 kg)	
Display Size	84" (213 cm)	
Power Supply	AC 110–250 V, 50/60 Hz, 10A	
Input/Output	RJ45 HDMI (x2) USB (x3)	

CLASSIC

Product Dimensions	Length: 87" (221 cm)
	Height: 33" (83 cm)
	Width: 28" (71 cm)
Weight	300 lbs (136 kg)
Display Size	84" (213 cm)
Power Supply	AC 100-250V, 50/60 Hz, 10A
Input/Output	RJ45 HDMI (x2) USB (x3)

WORLDWIDE INNOVATION

ANATOMAGE COMMUNITY

When you purchase an Anatomage Table you not only get all the high quality contents developed by Anatomage, but you are also part of a global community of educators and researchers who have already spent time developing their own content and ideas on how best to incorporate the Table into a wide range of curricula and disciplines.

With hundreds of Tables sold worldwide, Table users can enjoy informative annual users group meetings and developmental programs on an international scale to help ensure that the Table meets their needs. Anatomage is committed to cutting edge technology supported by an excellent team with the drive to ensure that the Table is not just a product, but rather a community of users.

COMPLETE EDUCATIONAL PLATFORM

The Anatomage Table's powerful content creation tools and demonstration capabilities give users a complete platform for medical education. Numerous institutions such as medical universities, undergraduate programs, and school districts use the Table as a complete lab alternative. The Table serves as a valuable tool for clinical planning and patient consultation.

Clinicians and medical students can accurately visualize internal and surface anatomy in 3D for clinical training. The Table's ability to import scans and integrate with PACS allows for clinicians to work with patient data and learn from real clinical scenarios. Additionally, patients can be effectively informed of their condition with a 3D visual consultation on the Table.

ADVANCED EDUCATIONAL PLATFORM

CLINICAL PLANNING & TRAINING

PATIENT CONSULTATION & EDUCATION

MEDICAL PROCEDURAL TRAINING

RADIOLOGICAL IMAGING WORKSTATION

COMPLETE LAB ALTERNATIVE

INTERNATIONAL DISTRIBUTION

The Anatomage Table is used globally. Headquartered in California, Anatomage has offices in Italy and Korea to better serve our customers abroad. We have an extensive network of international distributors, a list of which can be found on our website, to offer timely service and support. Sales to countries where we have not found a representative that meets our standards are handled directly by us—we provide shipping, training, and support.

PREMIER CUSTOMER SUPPORT

Members of the Anatomage Table community can connect with our team of application engineers and specialists for full support of the product. The team is available to assist in creating content, answering questions and providing support for the Table. Anatomage is dedicated to helping you and your institution integrate the Table to its fullest extent. The team is always eager and available to provide assistance.

ABOUT ANATOMAGE

For over 13 years, Anatomage has been a leading medical device company driving innovation in the healthcare industry. Anatomage's advanced solutions are being used in tens of thousands of clinics, hospitals, and other institutions in the US and internationally. Our products include medical tables, image-guided surgical devices, surgical instruments, radiology software, and imaging equipment.

Anatomage products are developed, designed, and manufactured following strict FDA guidelines for medical devices. Anatomage continues to establish exclusive partnerships with renowned educational institutions and medical equipment companies. Our cutting-edge and unique products have been featured numerous times in journals, publications, and the media, including: TED Talks, BBC, CBC, Japanese Fuji TV, and PBS.

Located at the heart of Silicon Valley, Anatomage is a fast-growing company that continues to thrive in a place where technology is ingrained in the culture. The company encourages the building of a diverse and positive culture and recruits top talent. Anatomage's work environment is defined by our highly talented biologists, medical specialists, and engineers who strive to create high-tech products that continue to push industry standards. Anatomage maintains strong ties with world-leading instructors and researchers by building successful partnerships at prominent institutions.

With our revolutionary family of products, we aspire to advance medical education and improve patient care throughout the healthcare industry.

Anatomage