Anatomage
TABLE

www.anatomage.com

WHY THE ANATOMAGE TABLE?

ADVANCED EDUCATIONAL TOOL

The accuracy of the real human anatomy and the quantity of clinical examples are unique aspects of the Anatomage Table. Combined with powerful hardware and software, the product offers unprecedented technology for medical education. Students are motivated and can easily digest complicated 3D shapes of human anatomy which makes the Table very effective for anatomy education.

TECHNICAL SHOWCASE

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

CLINICAL CARE REVIEW

The Table is not only used for anatomical education. The Anatomage Table has been cleared by the FDA for applications in medical diagnosis as well as clinical use. It can be utilized as a powerful radiology workstation, and as a 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 AND SAFE

The Anatomage Table offers a high 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.

COMPARISON TO CADAVERS

	Anatomage Table	Cadaver Lab
CHEMICALS	No	Formaldehyde, methanol, phenol, & other solvents
FACILITY	No special requirements	Ventilation, freezer, storage, & disposal
RESTRICTIONS	No restrictions	May require permits & restrictions
NUMBER OF CASES	Unlimited number of cases	Single case for each student
RECURRING COST	Minimal	New cadaver acquisition every year

COMPARISON TO LAB REPLACEMENTS

	Anatomage Table	Models	Software
ANATOMICAL ACCURACY	Real human body	Simple	Artistic model
CUTTING AND SECTIONING	Any direction	No cutting	Limited
SIZE	Life size	Life size	Computer screen
NUMBER OF CASES	Unlimited; large number of cases	Limited; small number of cases	1 or 2

> *"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**

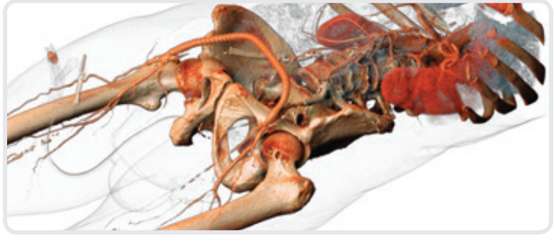
APPLICATIONS

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. Since the data preserves the real-life patient color and shape, the Table is more effective than embalmed cadavers.

PRE OR POST LAB REVIEW

The Anatomage Table can be used in conjunction with existing cadaver dissections. With its segmentation features, each anatomical structure can be separated and reviewed individually. Embalmed cadavers can be CT scanned and reviewed on the Table allowing students to review a virtual and real body simultaneously, significantly advances existing curricula.

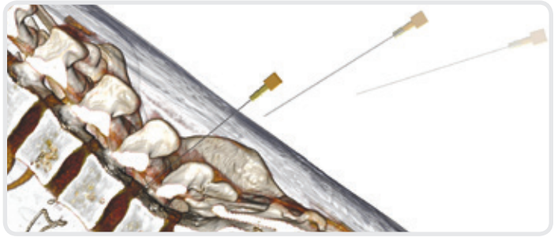


LECTURE

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 saved and shared with students as review material. Running a full lecture with the Table turns a traditional, difficult class into an exciting, high quality one.

CLINICAL TRAINING

A strong pathological and procedural training tool, the Anatomage Table's features are derived from FDA cleared surgical planning software that merges actual 3D device models onto a patient image. This allows life-size simulation of the device interacting with the real patient image. This feature also allows a new kind of medical device training that does not use any animal or physical specimens.



FOCAL POINT

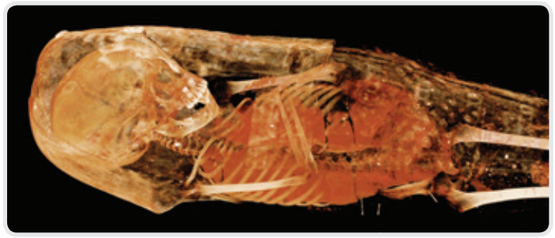
In a public setting the technologically advanced Anatomage Table never fails to draw attention. The Table's intuitive interface allows anyone to approach and explore human anatomy.

PATIENT CONSULTATION

Visualization is easier for patients when viewing their anatomy in 3D color as opposed to 2D black and white slices. With this technologically impressive visual consultation, the patient's visit will be much more effective.

FORENSIC AND VIRTUAL AUTOPSY

CT scanning is increasingly popular in the field of forensics and archaeology. The Anatomage Table had a crucial role in the historic 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 discussed favorably in a 2013 Scientific American article.



VETERINARY USAGE

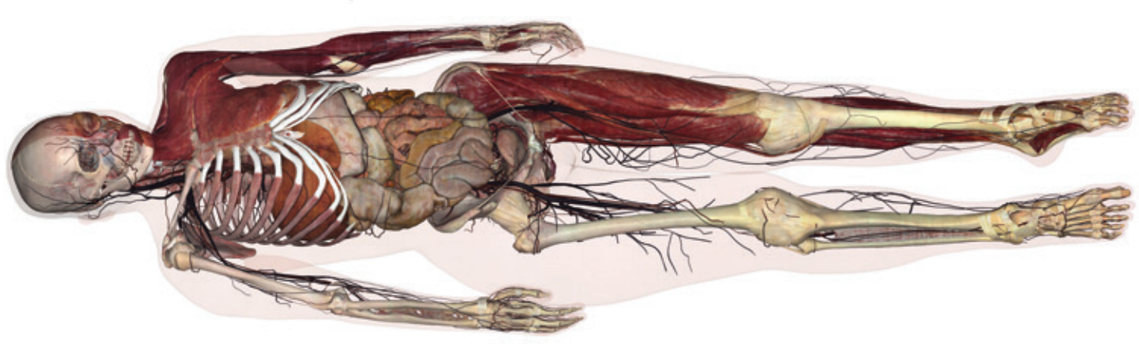
The Table is an ideal instrument for veterinary professions. Compare anatomy of different animals for education or research, load your own veterinary scans for instruction or case planning, and study animal anatomy. Included in the Digital Library are full-body cat and dog cadavers based on real tissue data, as well as 150 other CT scans from various species.

FEATURES

GROSS ANATOMY CONTENTS

The Table comes with both full-body male and female gross anatomy. The full external and internal gross anatomy is volumetrically displayed from head to toe. The images are created from non-chemically treated frozen cadavers.

Thus, the color and shape are preserved, illustrating the accurate anatomical realism of a living human. The virtual body can be cut anywhere and in any way, revealing the details of the internal structures.

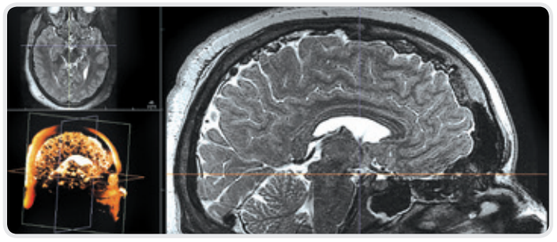


REGIONAL ANATOMY CONTENTS

The Table provides high-resolution regional anatomy at 0.4mm to 0.1mm. High resolution allows for the viewing of structures such as small nerves or blood vessels that are difficult to see by any other means. The content covers the head and neck, thorax, abdomen, pelvis, joints, and other regions of the body. These contents are useful for teaching the details of regional structures.

RADIOLOGICAL IMAGING WORKSTATION

The Table is also a radiology workstation. Whether using your own medical image scan or one in the digital library, the Table gives full 3D anatomy which is intuitively controlled. The control allows examination of soft or hard tissue. Users can also review images in traditional radiology format. The workstation is useful for studying various pathological examples and reviewing patient scans.

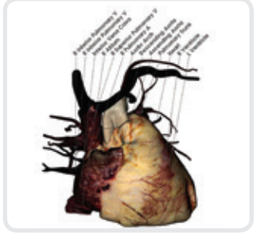


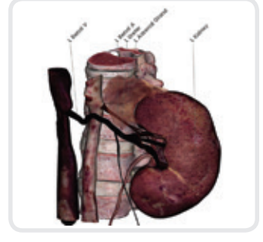
INTERACTIVE DISSECTION

The Table offers unique interactive cutting tools. With their fingers, users can rotate the virtual body and cut in any direction. Users can scroll through the plane of the cut and see the details of the internal structures or cut again to further explore the anatomy. A cut can be undone instantaneously. With the ability to practice dissection anytime, the Table becomes a very effective anatomy learning tool.

FULL ANNOTATIONS

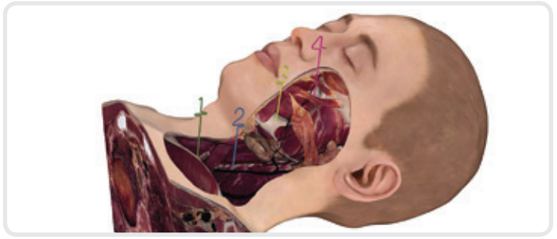
Over 2300 structures of gross anatomy are fully annotated for both male and female cadavers. Users can explore the body by picking points of anatomy with their finger and see the displayed name. Users can also remove and get the name of single structures simultaneously. Users can locate specific structures from lists of systems. Interactive annotations make the Table an efficient anatomical reference solution.





QUIZ MODE

Material for quizzes and practicals can be created on the Table. Instructors can place numbered pins and other models on the cadavers to designate questions for students. The Table's Quiz Mode allows teachers to lock specific tools, so students have limited access during the quiz. Quiz Mode can be password protected to ensure students stay on track and are unable to alter the tools.



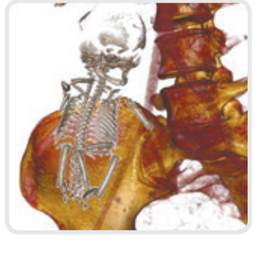
LIFE SIZED DISPLAY

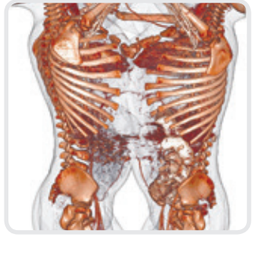
The Table's form factor allows for the display of anatomy in life size scale resembling an operating table. By reviewing the body on the Table, students learn how to perceive an actual patient lying on a bed, helping them connect the anatomy they learn in class to the real world patients they will treat. The Table is an effective education tool for students who will serve in the healthcare field.

DIGITAL ANATOMY LIBRARY

CLINICAL CASES

The Digital Anatomy Library offers over 1,300 clinical cases and includes data from vertebrate anatomy and embryology. Users can access the original scan data, the resulting 3D image, and medical case notes. The library allows students to make the connection between 2D cross-sectional scan data and 3D anatomy. The wide range of cases ensures that students gain exposure to abnormal pathologies.



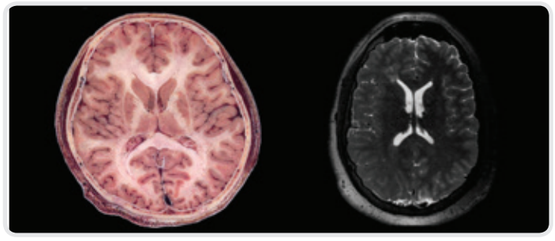


4D SCANS

As part of our commitment to pushing the bounds of digital scan imaging, Anatomage has added 4D scans to the latest table offerings. Visualize beating hearts and respiration with full interactivity.

COMPARATIVE ANALYSIS

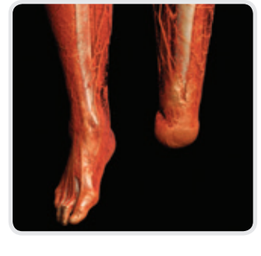
Furthermore, the digital library offers comparative study cases with synchronized dissections of multiple cases. Open three related cases at a time. This makes the Table a great tool for studying comparative anatomy.



> *"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**

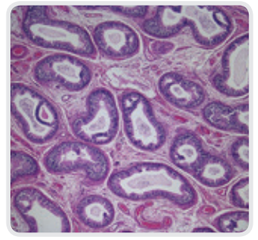
LARGE COLLECTION OF CASES

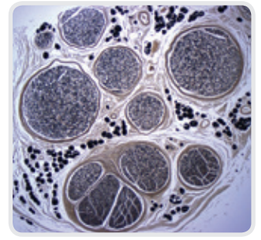
The digital library has a large collection of clinical cases with a variety of visualization options. The collection is a great tool to not only teach gross anatomy, but also abnormal clinical cases as well.



HISTOLOGY SCANS

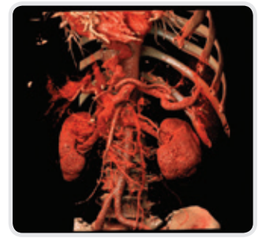
The image library includes a variety of microscopic histology scans. Students can examine microscopic tissue structures and cell-specific biomarkers from a collection of accurately stained digital scans. The cell and tissue scans include healthy and abnormal clinical cases from across the body. Viewing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





ULTRA-HIGH QUALITY RENDERING

Ultra-high quality (UHQ) rendering for CT and MRI scans gives students the latest virtual imaging resource. The software uses multiple lighting sources to represent soft and hard tissues in vivid detail with realistic coloring. Students are able to develop 3D spatial reasoning while virtually dissecting and studying the human body. UHQ presents photorealistic anatomy that promotes clinical-level understanding of cases.



BUILDING YOUR CURRICULUM

CLASSROOM INTEGRATION

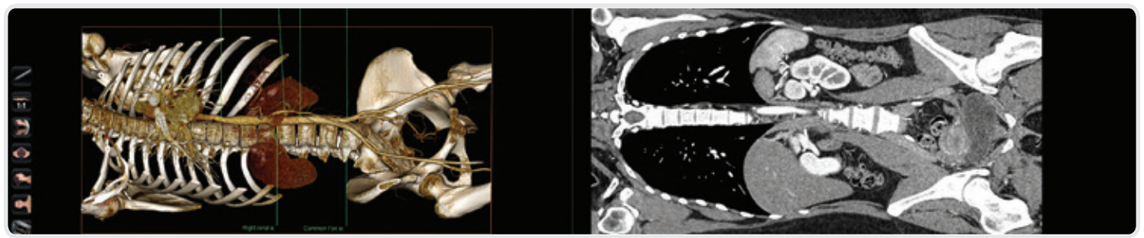
With straightforward pin-drop functions and software access controls, instructors have the necessary tools to create lab practicals and examinations directly from the Table's content.

The Table's technological compatibility ensures that it can be utilized in large lecture halls through the use of projectors, or in small group settings through multiple external monitors. Present focused lectures with customized content or give students the opportunity to explore individually and lead their own discussions.

THE ANATOMAGE CURRICULUM

The Anatomage Curriculum features an integrated, intuitive interface allowing instructors to cover human anatomy by region and system.

Teach comparative, clinical anatomy using real patient data in the form of annotated, relevantly displayed scans from the Table's Digital Library. Anatomage has always worked to lower the Table's learning curve for instructors; the Anatomage Curriculum has been built to make the inclusion of the Digital Library's vast content into your own classroom as efficient as possible.



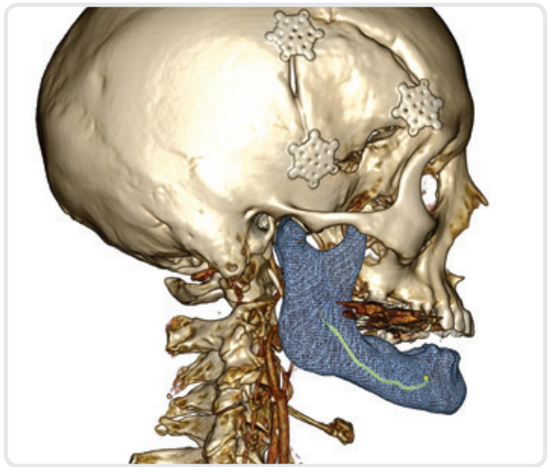
AWARD-WINNING VOLUMETRIC SOFTWARE

Every Table comes with a copy of Anatomage's renowned medical imaging software, Invivo, that can be installed on a separate workstation.

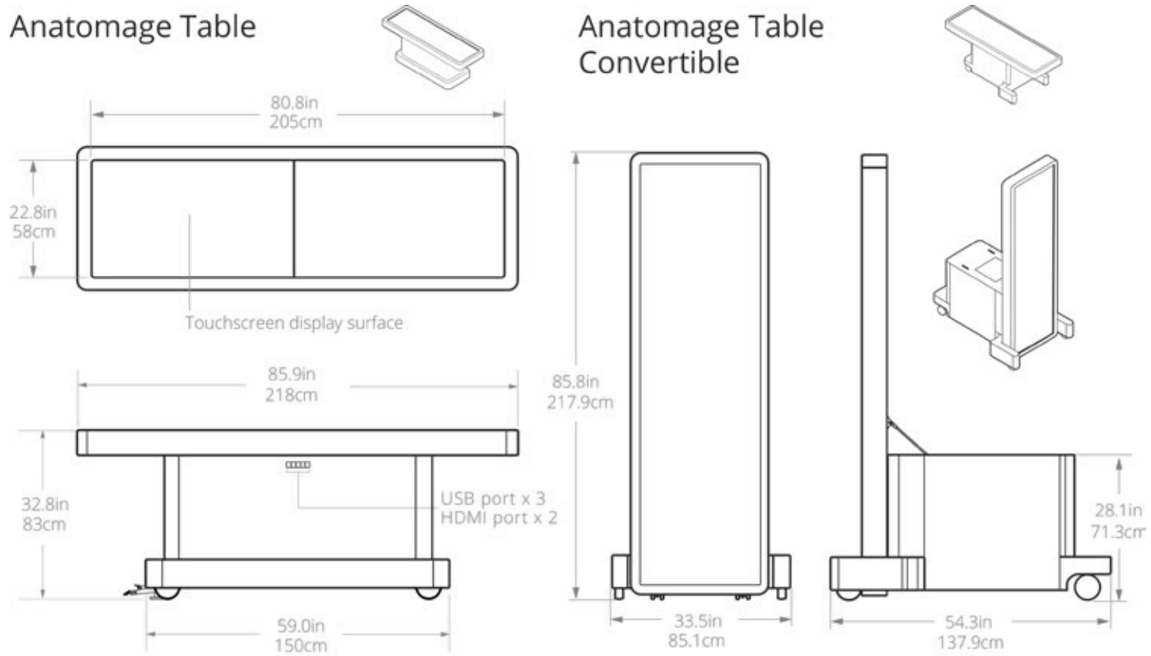
Invivo and MD Studio are high-performance, volume-rendering software packages that provide additional tools for content creation, such as the ability to three-dimensionally annotate, segment, or overlay digital models of medical devices directly onto patient scans. Invivo shares the same underlying software as the Anatomage Table and is FDA cleared for clinical applications. Open any patient scan (MRI, CT, PET) for immediate 2D slice viewing or instant 3D reconstruction. Users can make measurements both in 2D and 3D for clinical or research applications.

PERFORM AND CAPTURE SIMULATIONS

Segment any patient scan data and create digital models. With Invivo's built-in video capture tool, these simulated movements can be captured and shared easily.



HARDWARE SPECIFICATIONS



	Anatomage Table	Anatomage Table Convertible
Product Dimensions	Length: 87" (221 cm) Height: 33" (83 cm) Width: 28" (71 cm)	Length: 85" (216 cm) *Horizontal* Height: 33.5" (85 cm) Width 34" (87 cm) Length: 55" (140 cm) *Vertical* Height: 86" (218 cm) Width 34" (87 cm)
Weight	300 lbs (136 kg)	400 lbs (182 kg)
Display Size	84" (213 cm)	84" (213 cm)
Screen Dimensions	23" x 81" (58 cm x 205 cm)	23" x 81" (58 cm x 205 cm)
Screen Resolution	Two 1920 x 1080 Full HD	Two 1920 x 1080 Full HD
Screen Brightness	450 nits (450 cd/m²)	450 nits (450 cd/m²)
Wheel Dimensions	5" (13 cm)	5" (13 cm)
Power type	Internal	Internal
Power Supply	AC 100–250 V, 50/60 Hz, 10A	AC 110–250 V, 50/60 Hz, 10A
Power Consumption	On Mode: 1150 W Sleep Mode: 20 W Off Mode: Less than 1W	On Mode: 1150 W Sleep Mode: 20 W Off Mode: Less than 1W
Operating Tempurature	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)
Humidity	10~80%	10~80%
Network	RJ45	RJ45

CE EN 60950 EN 55022 EN 55024 EN 61000

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.

INTERNATIONAL DISTRIBUTION

The Anatomage Table is used globally. Headquartered in California, Anatomage has two additional offices in Milan 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, that we trust to offer continuous timely service. Sales to countries where we have not found a representative that meets our standards are handled directly by us – we provide training, shipping, and support.

FORUM & SUPPORT

Members and prospective members of the Anatomage Table community can connect with each other and our internal team through the Anatomage Table Forum. The forum is a place for members of the community to discuss the Table and have questions answered by our team. The Medical Table team actively monitors the forum and provides support to all users. The forum is also updated with new content about the Table and the Table community. You can visit the forum at **anatomagetable.com**.

COMPLETE EDUCATIONAL PLATFORM

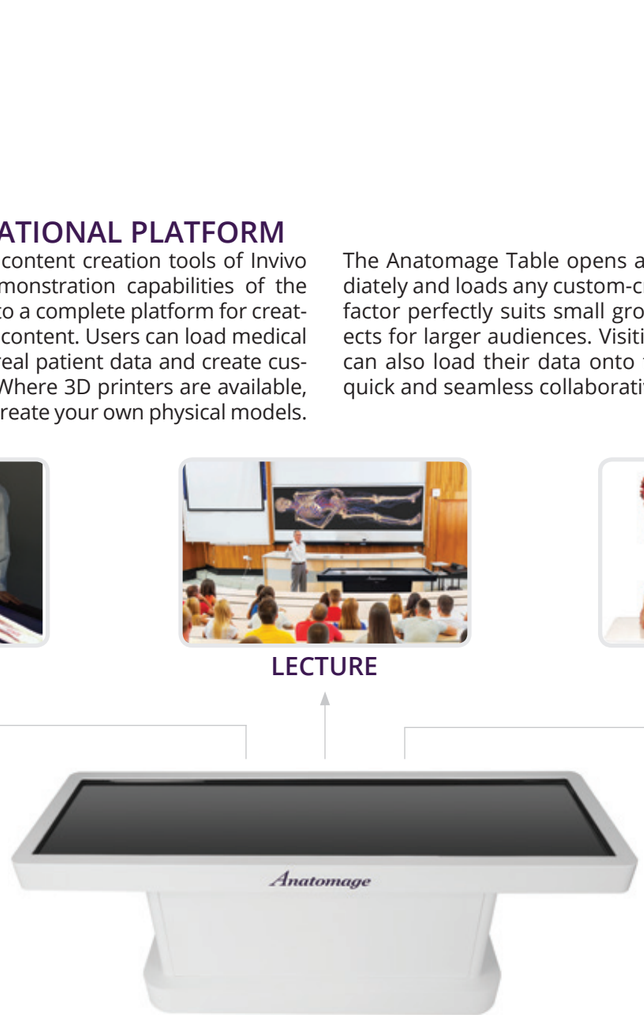
Combining the powerful content creation tools of Invivo with the easy-to-use demonstration capabilities of the Table, users have access to a complete platform for creating and sharing anatomy content. Users can load medical device designs laid over real patient data and create custom videos and images. Where 3D printers are available, use Invivo to export and create your own physical models.

The Anatomage Table opens any patient images immediately and loads any custom-created content. The form-factor perfectly suits small group studies and also projects for larger audiences. Visiting guests and colleagues can also load their data onto the Anatomage Table for quick and seamless collaborative discussions.

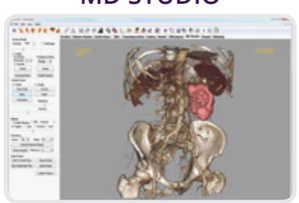
LAB SESSION

LECTURE

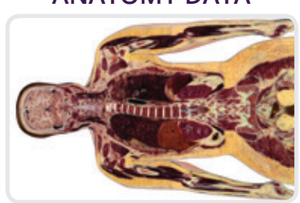
3D PRINT



MD STUDIO



ANATOMY DATA



REAL PATIENT DATA

ABOUT ANATOMAGE

For the past ten years, Anatomage has been a leading medical device company driving innovation in the healthcare industry.

Anatomage products are used in tens of thousands of clinics and hospitals both in the US and internationally. These include image guided surgical devices, surgical instruments, radiology software, imaging equipment, and display equipment. Anatomage has established partnerships with leading radiology equipment companies; they use Anatomage software as their exclusive imaging software shipped with units.

Located in downtown San Jose, California – the capital of Silicon Valley – Anatomage has thrived in a place where innovation is a part of the culture. Anatomage has been continuously developing creative, leading-edge products for the medical and dental industries since 2004. Anatomage's products have been featured in TED, BBC, CBC, Japanese Fuji TV, and PBS due to their originality and positive impact. We are proud that our products are copied by other companies; we take it as proof that our ideas are pushing the industry. Anatomage continues to lead with innovations that will set the new standard of the future.

Anatomage products are developed, designed, and manufactured following strict FDA guidance for medical device manufacturing at our facility in San Jose, California, U.S.A. We established and maintain our manufacturing facility in our San Jose headquarters to ensure the highest quality.

Anatomage has a strong relationship with customers, whom enjoy interacting with the high caliber members of the Anatomage team – we hire biologists, medical specialists, and engineers from top schools who represent the best of their respective fields. Anatomage has also established strong ties through successful relationships collaborating with researchers and helping building curricula at many prominent universities. Anatomage is dedicated to making not only the most innovative products, but also to creating the highest quality experiences.

Jack Choi, Ph.D.
CEO
Anatomage Inc.

Anatomage

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