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Troy, North Carolina 27371-0427
PHONE: (910) 576-6511 • FAX: (910) 576-2044

TO: Board of Education

FROM: Wade Auman

DATE: February 7, 2022

SUBJ: CONSENT AGENDA ITEM (CTE Purchase Approval of an Anatomage Table)

The Montgomery County Schools Career and Technical Education Department is requesting the approval to purchase an Anatomage table for utilization in the Health Science and Emergency Medical Technology classrooms. The Anatomage table exceeds the monetary threshold and requires Board approval according to Board policy 6420. If approved, this table can also be utilized by the Montgomery Central High School and Montgomery Early College Science Departments to explore body systems to deepen understanding of Biology concepts.

Additionally, this table can be utilized by our Community College partners in their Health Science, Nursing and Anatomy/Physiology programs. This sharing of resources aligns with the vision of the unified educational campus and will allow for a strengthened partnership between both institutions.

I am available to answer any questions you might have.

Anatomage

Price Quotation

Anatomage
2351 Zanker Rd. Ste 15
Santa Clara, CA 95054
www.anatomage.com
info@anatomage.com
(408) 885-1474 Phone
(408) 295-9736 Fax

Prepared By	Robert Smith	Created Date	1/27/2022
Phone	(410) 629-9583	Expiration Date	3/31/2022
Email	robert.smith@anatomage.com	Quote Number	2022-7963

Contact Name	Chris Williams
Phone	910-783-6065
Email	chris.williams@montgomery.k12.nc.us

Bill To Name	Montgomery County Schools	Ship To Name	Montgomery County Schools
Bill To	441 Page Street Troy, North Carolina 27371 United States	Ship To	441 Page Street Troy, North Carolina 27371 United States

Product	Line Item Description	Sales Price	Quantity	Total Price
Anatomage Table Convertible		$79,500.00	1.00	$79,500.00
Crate - MTD		$875.00	1.00	$875.00
Anatomage Table Convertible Hardcover		$275.00	1.00	$275.00
1st Year Warranty, Software Upgrade, Tech Support	Included w/ Table Convertible	$0.00	1.00	$0.00
Medical Design Studio	Included w/ Table Convertible	$0.00	1.00	$0.00
Online Training	Included w/ Table Convertible	$0.00	1.00	$0.00

Total Price	$80,650.00
Shipping and Handling	$2,550.00
Grand Total	$83,200.00

Country of Origin: United States
Place of Manufacture: San Jose, CA
Price does not include taxes and duties associated with importation of the product, which must be paid by Consignee
Quote is only valid in USD

Acceptance

Signature_____ Date_____



Anatomage

TABLE

The Anatomage Table delivers the most accurate scientific representation of human anatomy and physiology to transform the current state of medical education and training through 3D visualization.





Applications

Lab Activities

VIRTUAL DISSECTION

- Allows for limitless dissections without worrying about mistakes
- Visualize internal anatomy and physiological reactions on living bodies in 3D

PHYSIOLOGY SIMULATION

- Interactively learn human bodies function through visualizing physiological reactions
- Improves cardiology knowledge through heart motion and blood circulation simulation

PATHOLOGY EXAMINATION

- Understand pathological effects on human anatomy
- Visualize comparative anatomy to identify anatomical abnormalities caused by pathology

Lecture

- Experience dynamic lectures through connecting the Anatomage Table with projectors
- Assist instructors in providing 3D visual references for human anatomy and physiology concepts
- Improve classroom collaborations by screenshotting and sharing Table's content with students

Learning Assist

- Assess comprehension of anatomy systems, structures, and concepts through Quizzing tools and reduce time to create examinations
- Facilitate an engaging learning environment where students can assess each other's knowledge

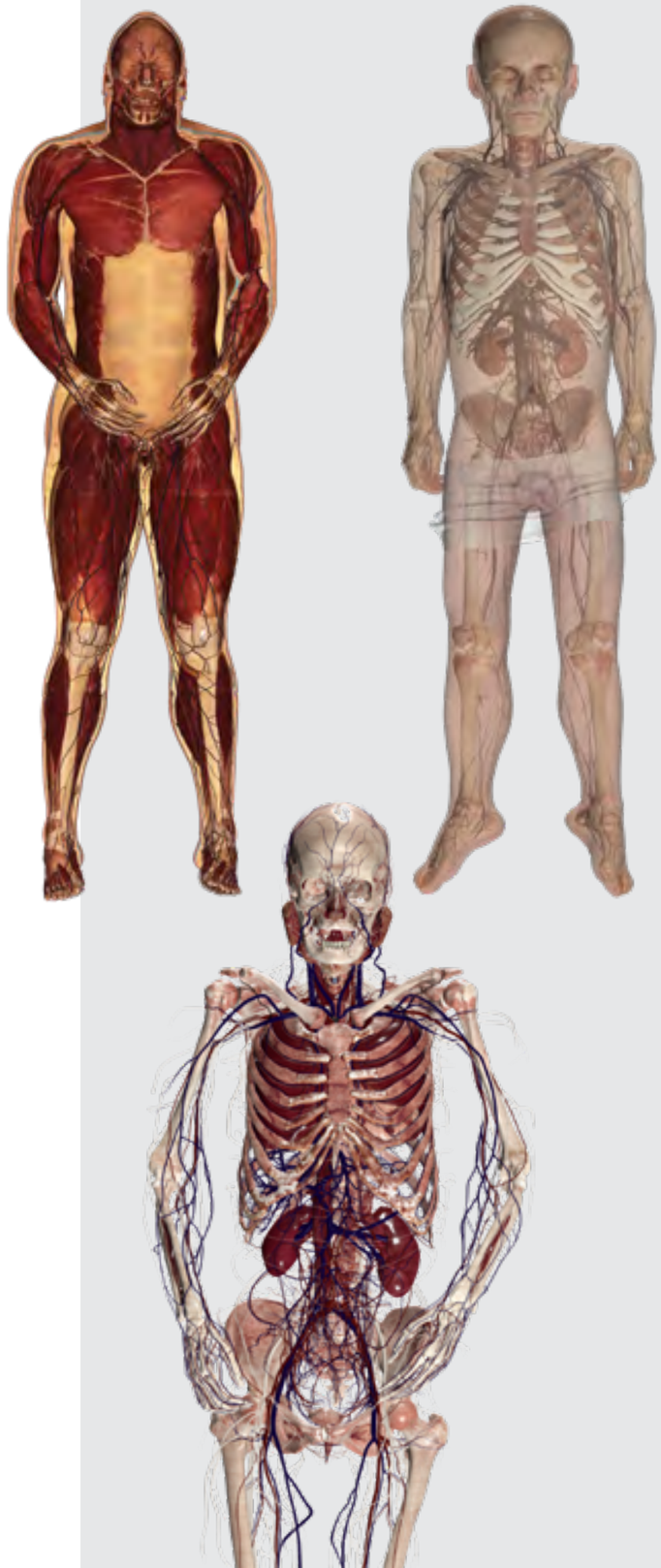
4 Life Sized Anatomage Bodies

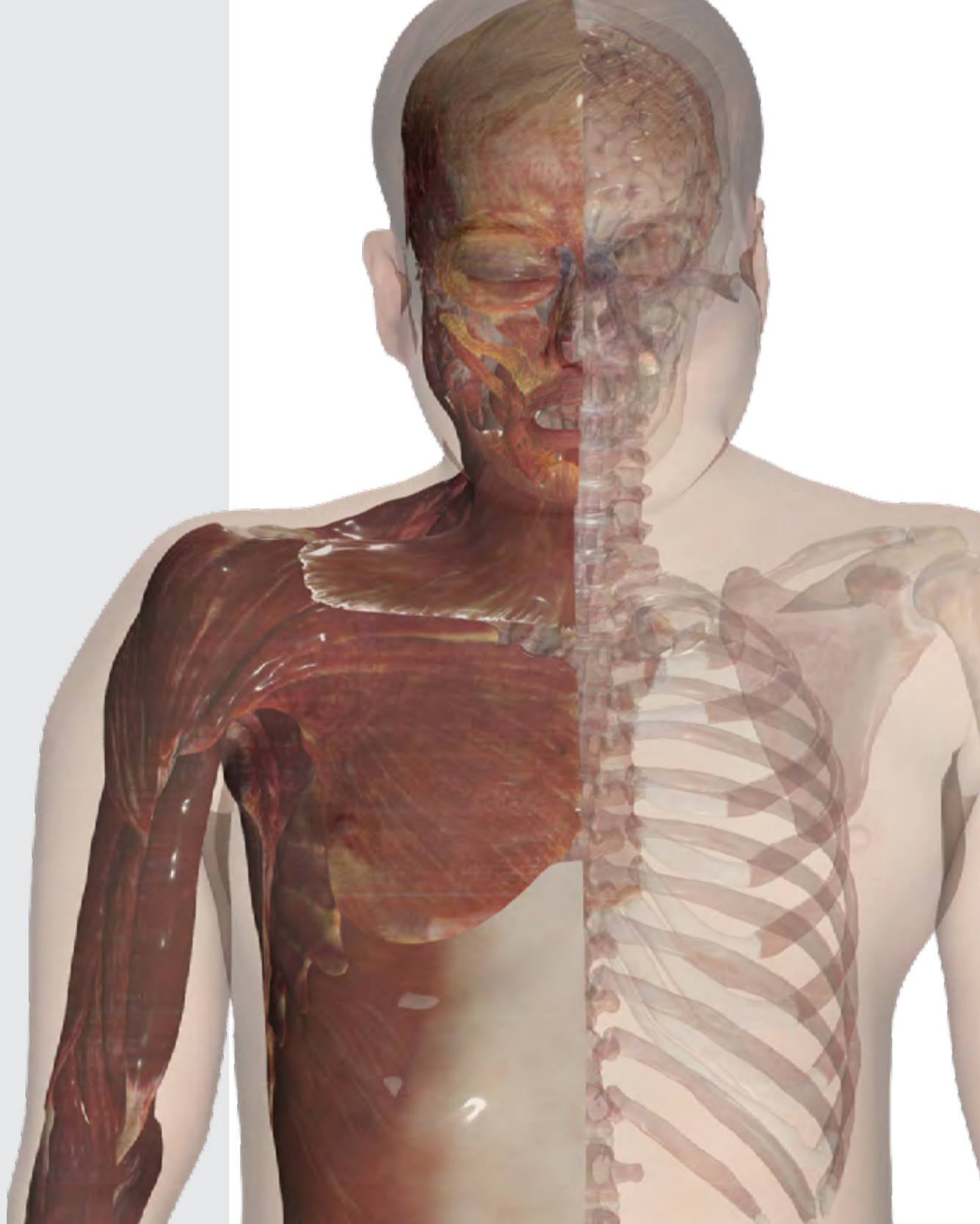
GROSS ANATOMY CONTENT

Bring realism out of anatomy concepts by interacting with 3D real bodies. Modeled after real human corpses, our digital bodies display medically accurate human anatomy content for visualization and dissection.

Appreciate anatomical variations with 2 life-sized male bodies and 2 life-sized female bodies whose external and internal anatomy can be volumetrically displayed and rendered through layer-by-layer dissection.

Improve learning of cardiology through photorealistically visualizing cardiovascular, nervous, muscular structures and blood flow.





40 High-Res Regionals

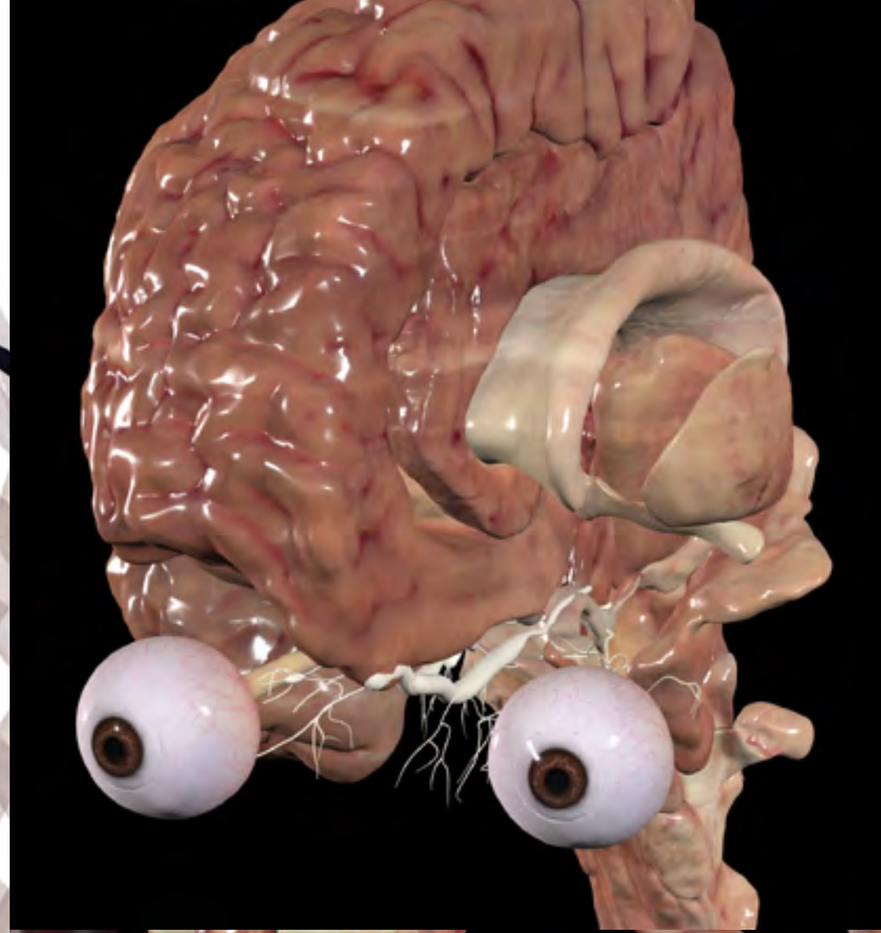
REGIONAL ANATOMY CONTENT

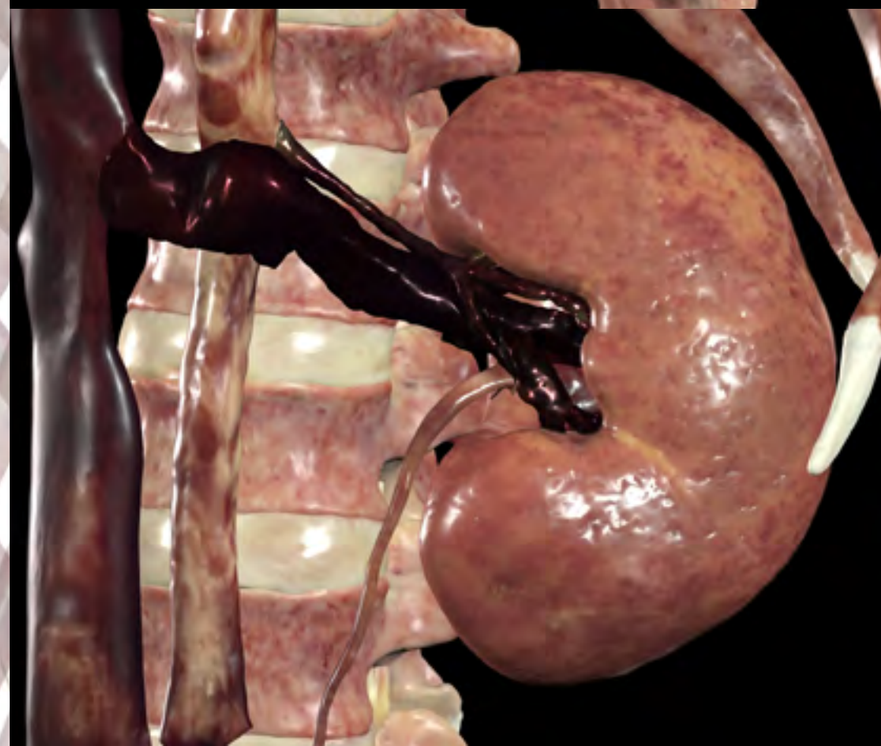
Experience photorealistic regional anatomy visualization with 3D resolution up to 0.2 mm

Visualize regional anatomy sections in a highly interactive manner across the entire body

Examine complex organ structures such as heart, lungs, abdomen and pelvis in 3D







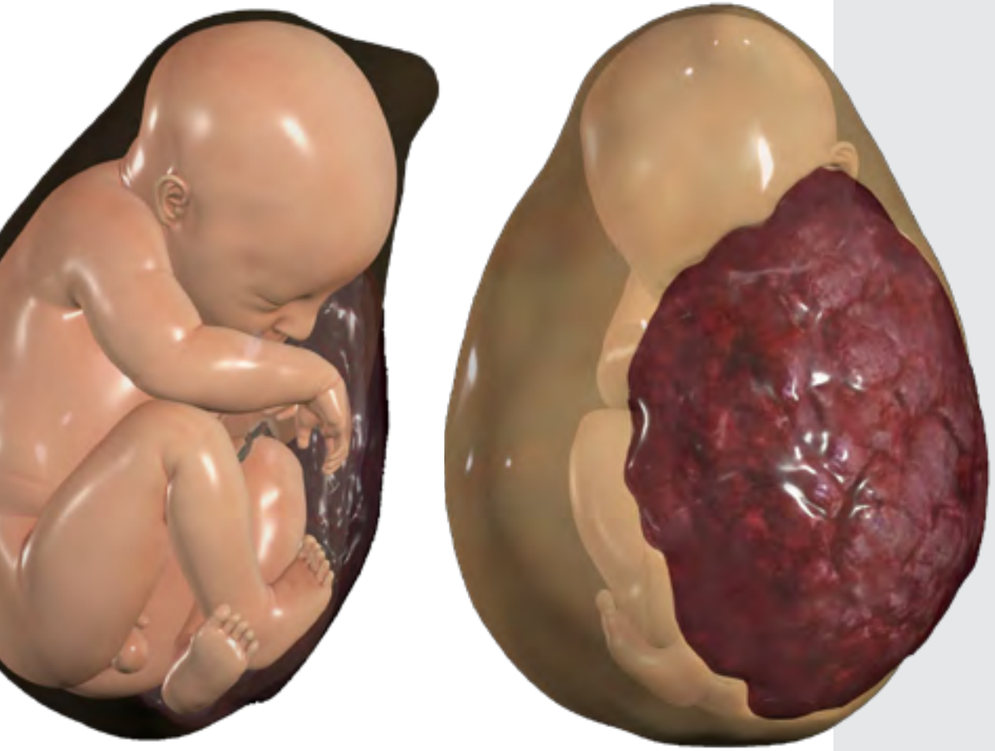
New Life

FETUS MODEL

Learn about human embryonic development by interacting with a 31-week fetus scan located inside Vicky's body

Visualize and interact with the fetus scan to appreciate the anatomical structure of a fetus

Simulate blood exchange between the mother and the fetus to gain insight into uteroplacental circulation

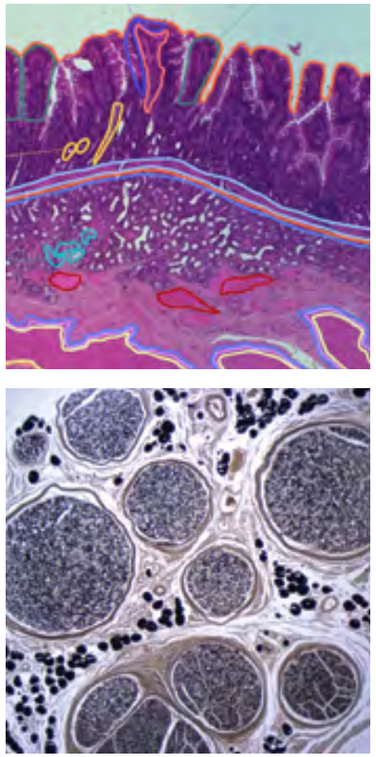


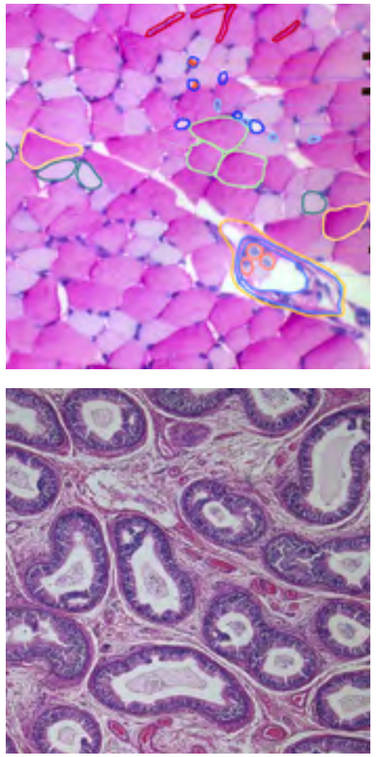
Micro Anatomy

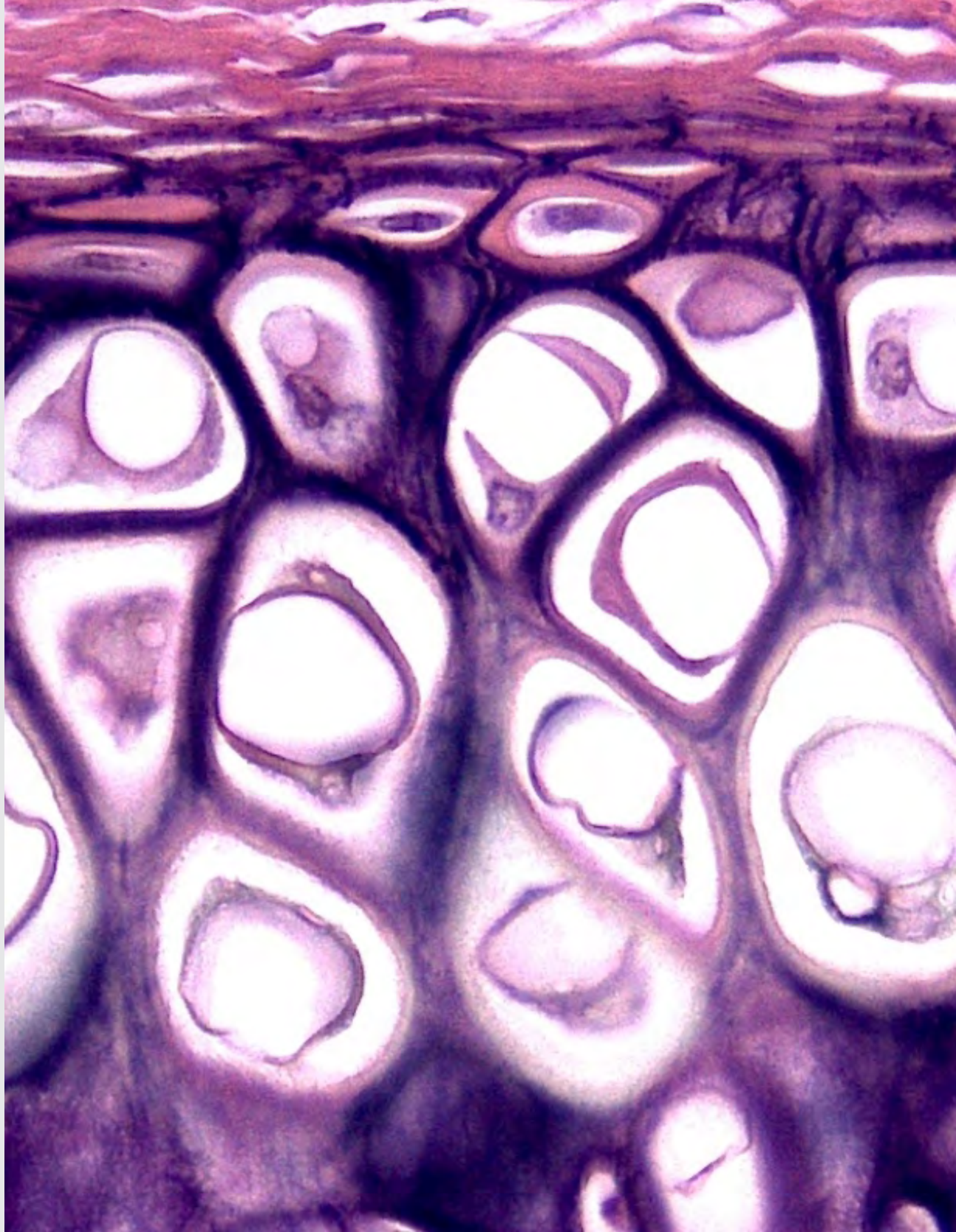
1,000 HISTOLOGY SCANS

Examine microscopic tissue structures and cell-specific biomarkers from a collection of accurately stained digital scans

Compare healthy and abnormal clinical cases across the digital bodies







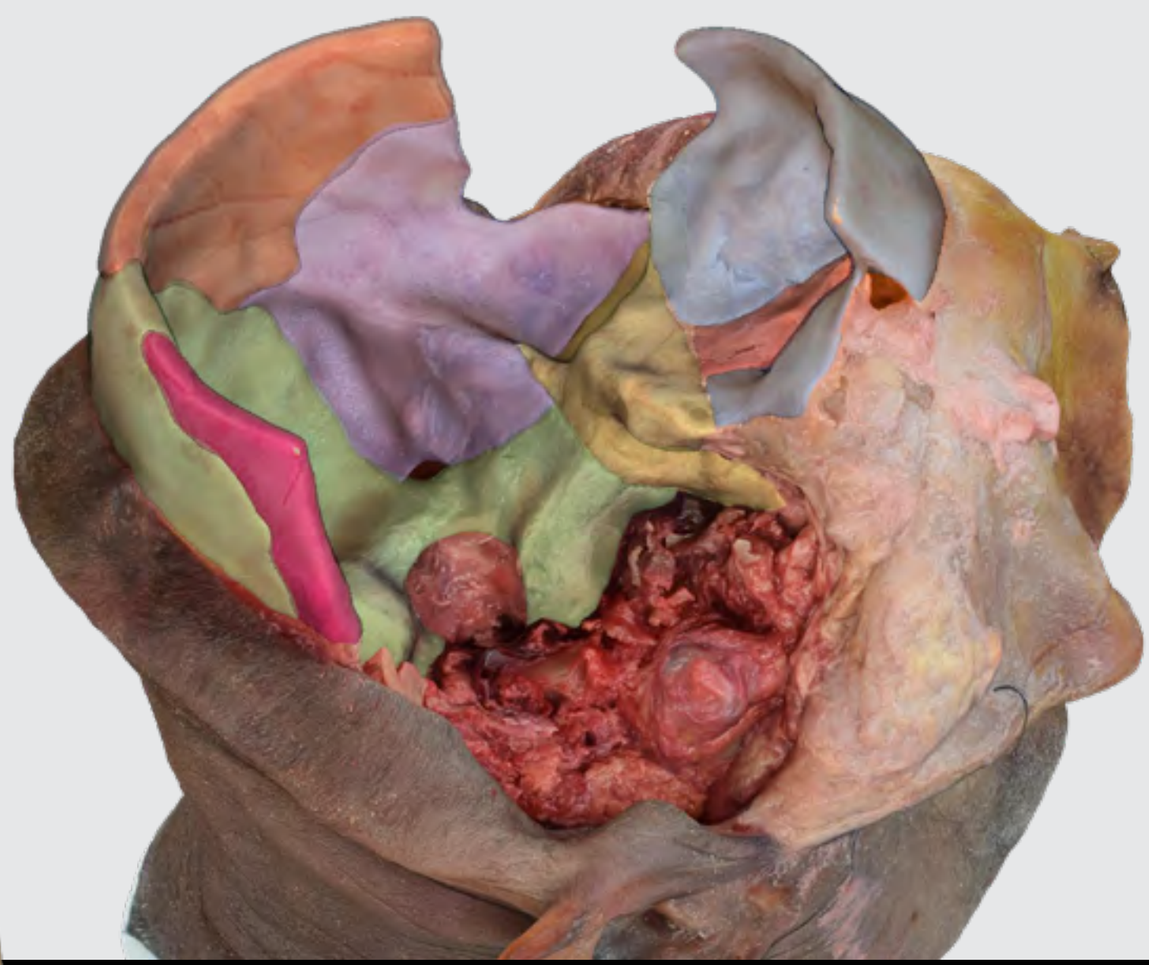
3D Prosections

60 CADAVER PROSECTIONS

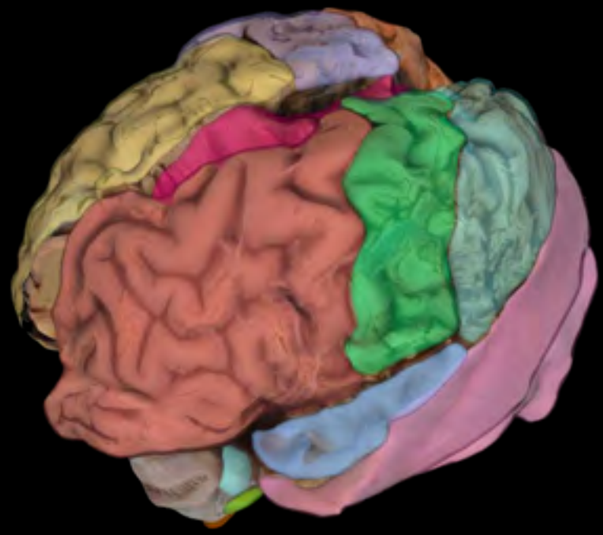
Visualize prosections with 3D photorealistic resolutions and annotations

Identify and differentiate normal anatomy from pathological tissues and regional anatomy with highlighters









Features

INTERACTIVE DISSECTION

Deepen understanding of gross anatomy by interactively dissecting male and female bodies

Visualize internal anatomy easily with various dissection tools such as rotating structures, making multiple cuts, and undoing any cut instantly

Memorize human anatomy terminology easily using annotated structures

LIVING BODIES

Experience living anatomy and physiology on digital bodies

Visually discover cardiovascular function of a human body by simulating blood circulation of cardiac atria, ventricles, and the full bodies

Visualize the transport of micro- and nano-particles in blood flow inside a living human body



Features

LEARNING ASSISTANT

Reduce the time spent on searching for anatomical information witn intuitive learning assistant

Quickly find information about specific anatomical structures through an interactive dialogue

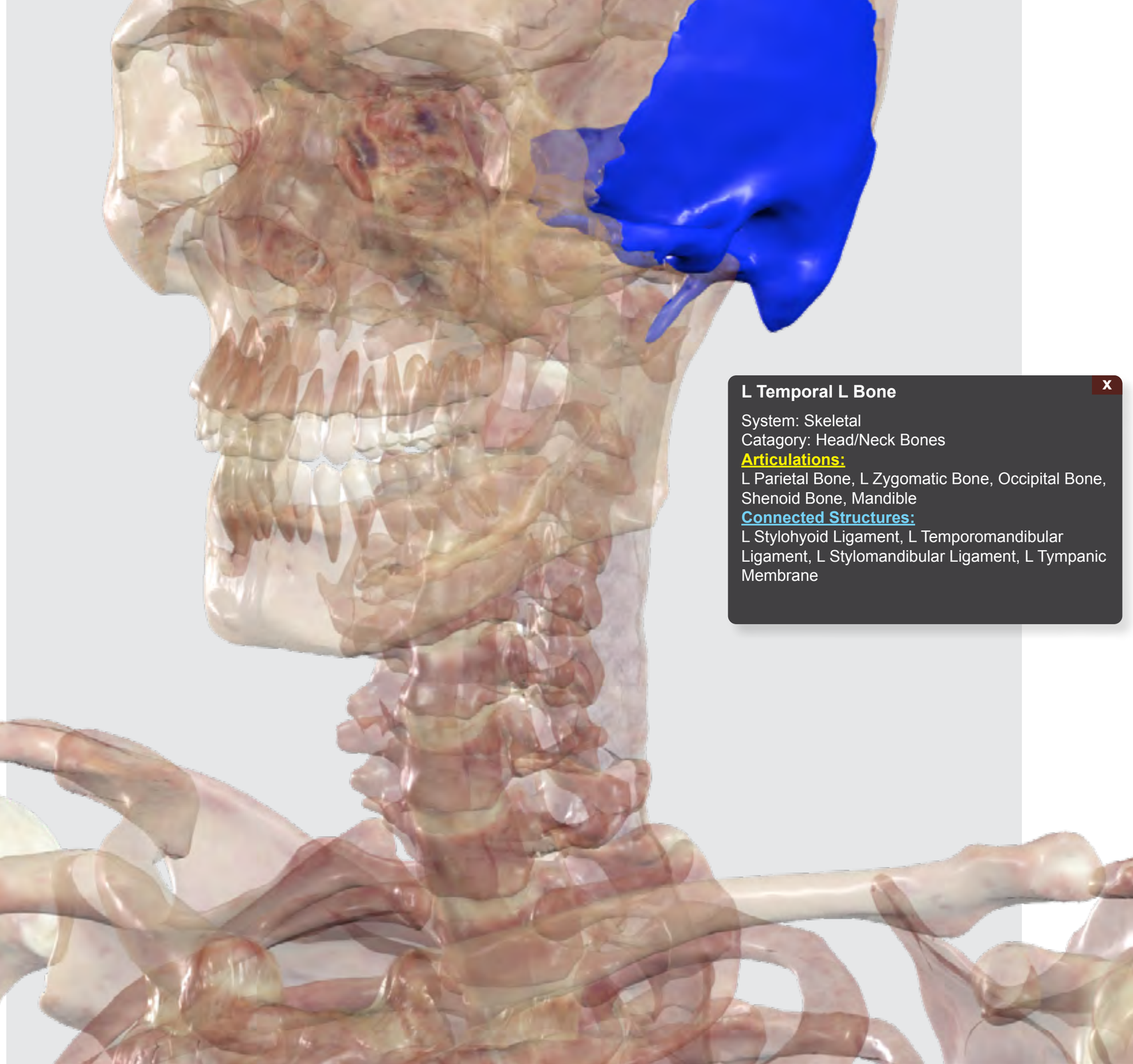
Instantly reference to anatomical details of a structure including its associated system, category, origin, insertion, blood supply, innervation, actions, and functions

GROUP & SELF ASSESSMENTS

Seamlessly create quizzing materials using the Anatomage Table's 3D anatomy content

Conduct interactive and collaborative assessment activities with Quiz Mode

Easily monitor student learning performance with report exporting functionalities



Physiology

HEART MOTION SIMULATION

Improve your understanding of cardiac physiological functions of a living body with the heart motion tool

Digitally adjust heart rate to visualize various heart rhythms with an ECG

Visualize a living heart's electrical activities inside a digital body

OPTIC SIMULATIONS

Grasp the concept of ocular motor control by simulating ocular motions on digital bodies

Use simulation tool to coordinate eye movements following specific directions, such as adduction, lateral or medial directions

Visually perceive how ocular torsions respond according to eye movements

NERVE DISTRIBUTION

Master the complex nerve system through finding out how the nerve pathway innervates with specific structures, organs and dermatomes

Study how to locate pain through visualizing the connection between nerve pathways and dermatomes

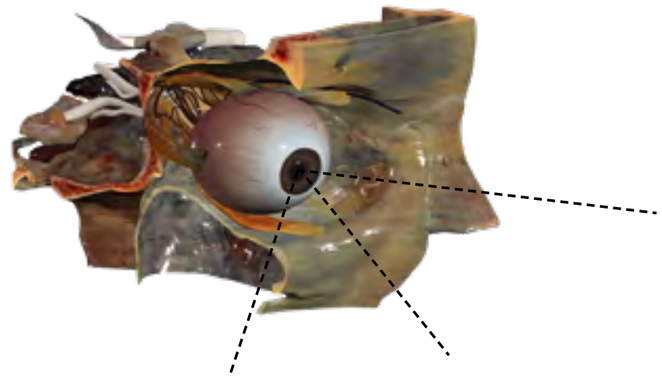
Getting students familiar with real-life diagnostic process that uses nerve pathways to pinpoint and identify pain locations

PHYSIOLOGICAL PATHWAYS

Simplify human physiology concepts by visualizing living body's physiological reactions to a stimulus (ex: drug, substances)

Holistically simulate 11 physiological pathways to visualize how a substance travels from one organ to another

Access essential physiological pathways including air pathways, blood flow, GI tract



Kinesiology

KINETIC MOVEMENTS

Involve in hands-on kinesiology simulation activities to understand how a living body physiologically produce motions

Utilize a variety of simulation tools to manipulate skeletal, muscular, nervous, and cardiovascular tissue and activate anatomical movements on a digital body

Understand how different movements are produced at various locations like shoulder, hip and knee

SHOULDER MOTIONS

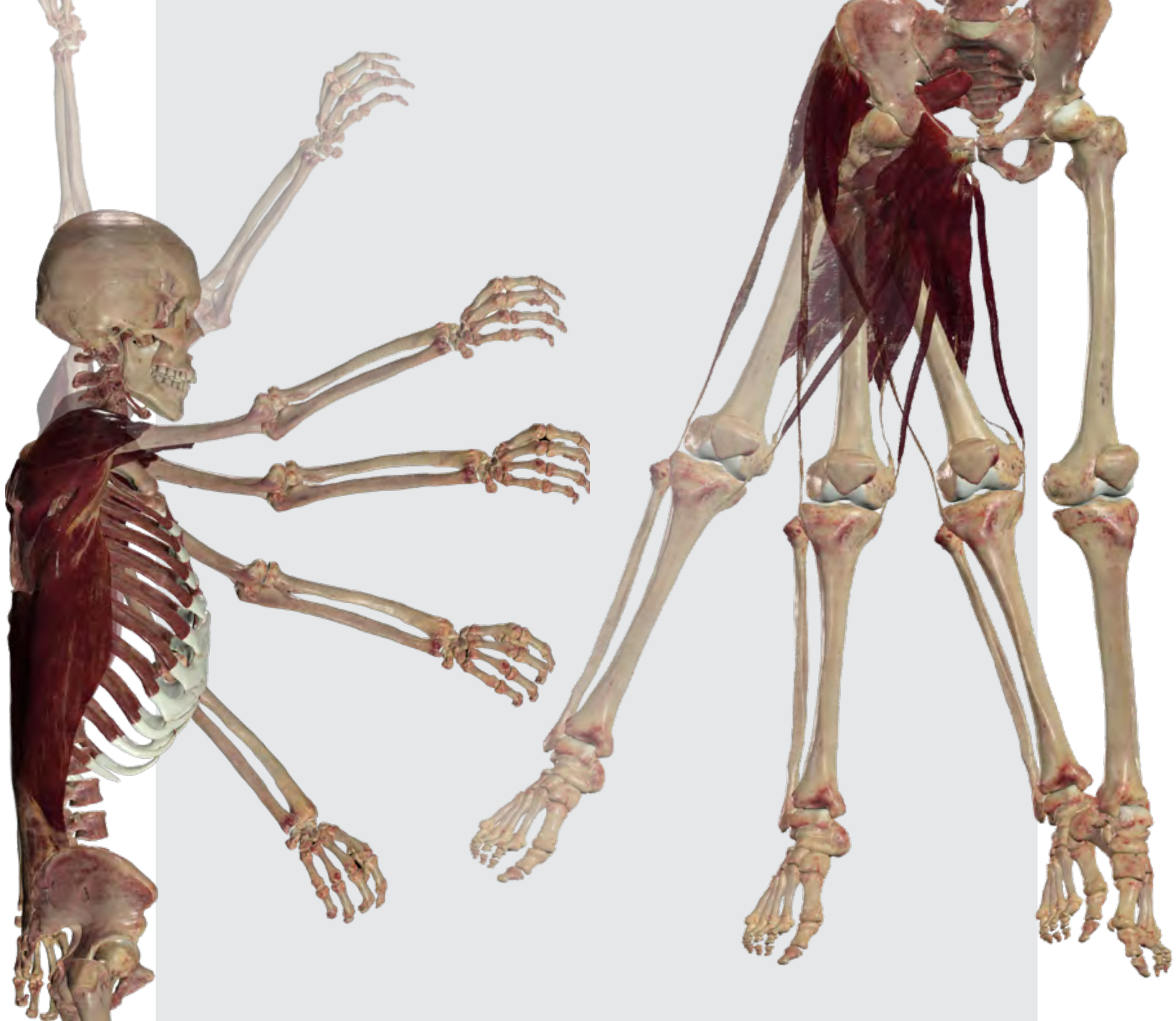
Flexion/Extension
Abduction/Adduction
Internal/External rotation
Protraction/Retraction
Elevation/Depression

KNEE MOTIONS

Flexion/Extension
Internal/External rotation

HIP MOTION

Flexion/Extension
Abduction/Adduction
Internal/External rotation



Clinical Applications

DIAGNOSTIC TOOL

Streamline diagnostic procedures by allowing doctors to convert patient scans into 3D

Enhance patient communications through allowing them to visualize their pathologies and treatment plans

Improve patient safety by virtually outlining surgery on the Table and reviewing anatomy key concepts prior to operation

RADIOLOGY WORKSTATION

Accommodate radiologists' needs by enabling 3D volumetric rendering of CT, MRI scans

Further diagnostics process through giving medical professionals the ability to visualize patient pathology in 3D

Revamp your radiology workflow by facilitating visual communications and collaborations between patients and doctors

HIGH QUALITY RENDERING

Amplify the resolution and overall quality of MRI/CT scans with various graphic effects

Accentuate anatomical density and distribution of patient scans better with special filters

Improve color and contrast of the anatomical subject for better 3D viewing

PATIENT COMMUNICATIONS

Simplify patient communications by allowing patients to visualize their pathology

Educate patient about their diagnostic process through 3D simulation

Easily inform patients about their treatment plans by showing 3D clinical procedures



Pathology Library

1,300 Cases

CLINICAL CASES

Acquire knowledge of real-life patient pathology with a clinical case library of 1,300 patient files

Leverage pathological anatomy data from the cases to gain insights into comparative anatomy

Broaden your expertise by analyzing and visualizing rare diseases such as abdominal ectopic pregnancy, brain aneurysm, and conjoined twins

EMBRYOLOGY CONTENTS

Innovate your embryology teaching approach with photorealistic embryology content in 3D and 4D

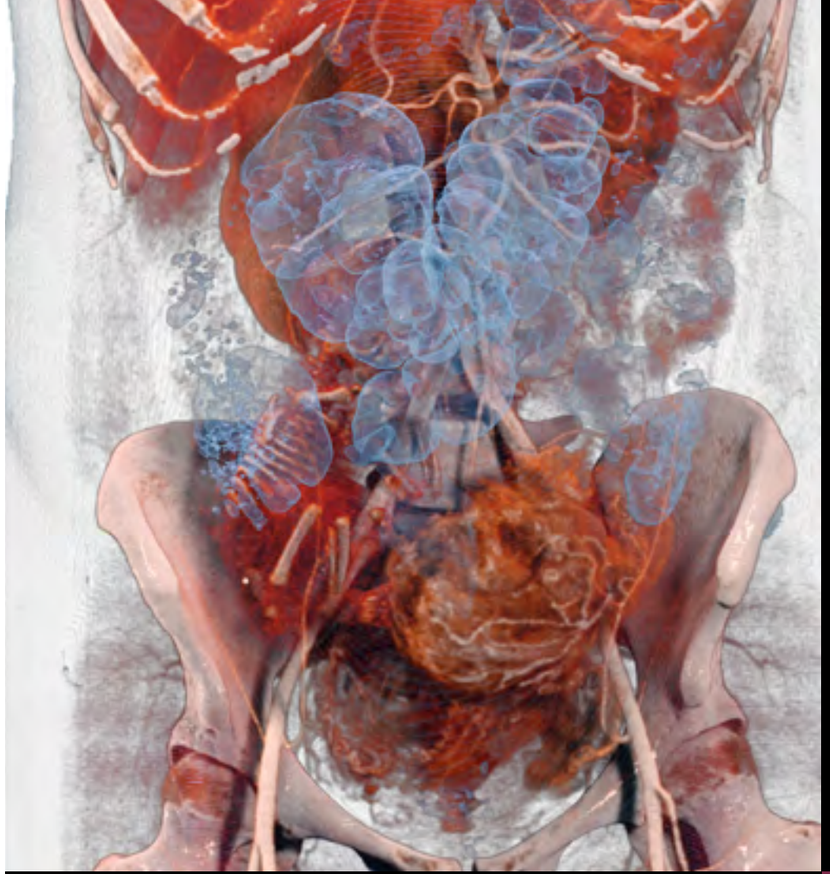
Visually walk through different stages of fetal development with digital scans featuring embryo growth during Carnegie stages 13-23, and 28-56 days
Recognize pathological abnormalities on fetal anatomy with cases of a fetal brain cyst, umbilical cord cyst, and Dandy Walker syndrome

COMPARATIVE ANALYSIS

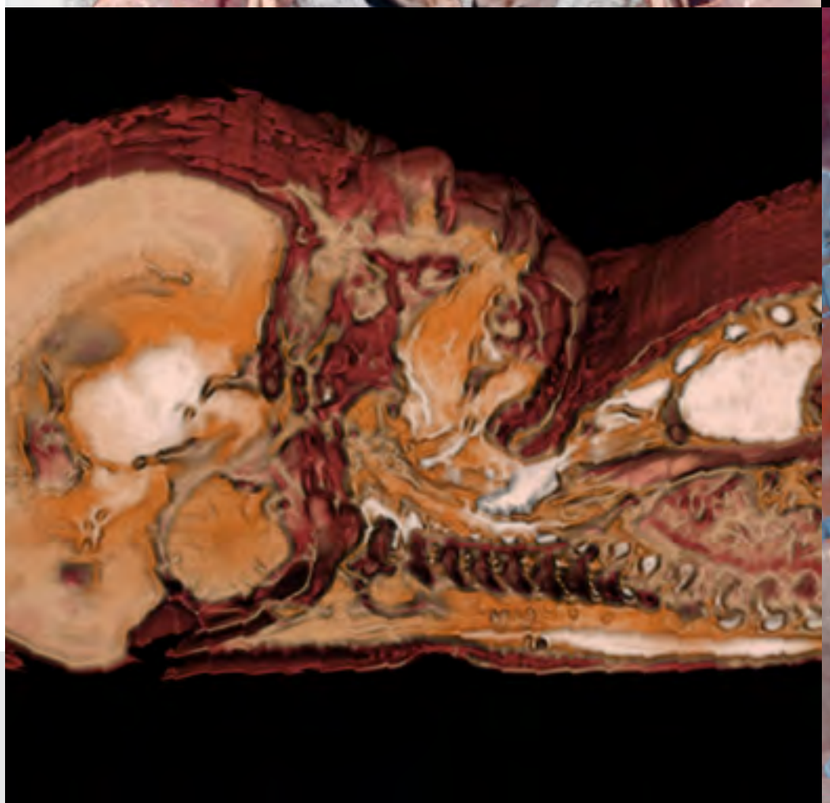
Strengthen your comparative anatomy teaching by synchronizing any three cases from Anatomage Digital Library for anatomy assessment

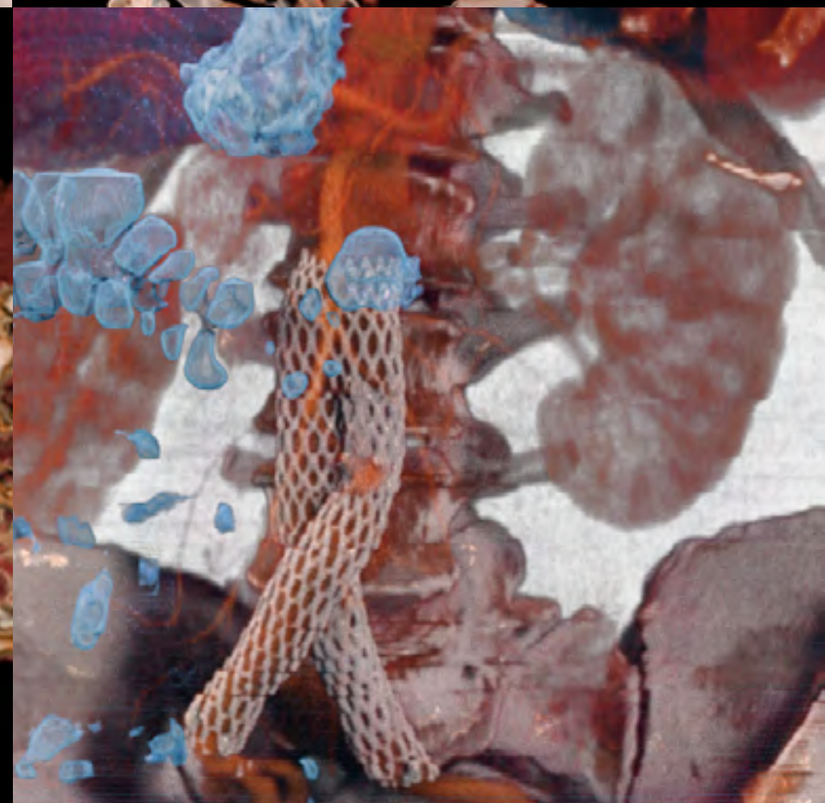
Custom your comparative anatomy learning by tailoring your own cases to review pre- and post-surgical scans, congenital comparisons, and cross-species evaluations

Make it possible for students to visualize anatomical variations enabled by medical conditions, life cycle and biological diversity









Global Standard for Medical Education

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 ensure that it can be utilized in lecture halls through the connection to projectors, or in small groups with multiple external monitors.

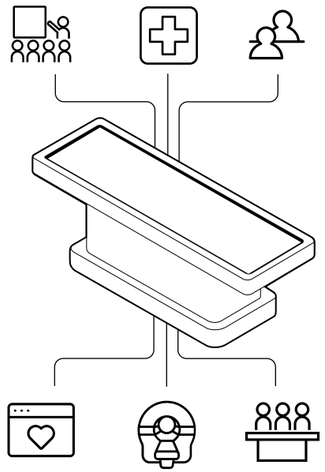
FULL EDUCATIONAL PLATFORM

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.

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.









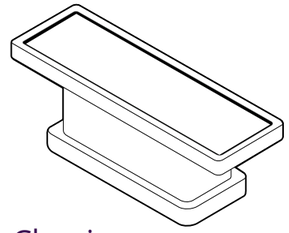






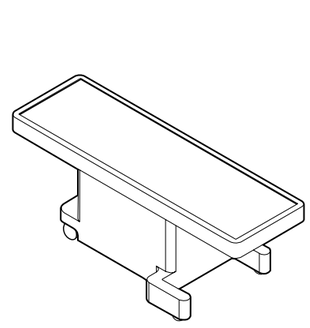


Hardware Specs



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
Network	RJ45



Convertible

Product Dimensions	Length: 85” (216 cm) Height: 33.5” (85 cm) Width 34” (87 cm)	Length: 55” (140 cm) Height: 86” (218 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	
Network	RJ45	

Hardware specifications subject to change

About Anatomage

For over 17 years, Anatomage has been a leading medical device company driving innovation in the healthcare and education industries. 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 virtual dissection tables, online Anatomy and Physiology learning platforms, image-guided surgical devices, surgical instruments, radiology software, and imaging equipment.

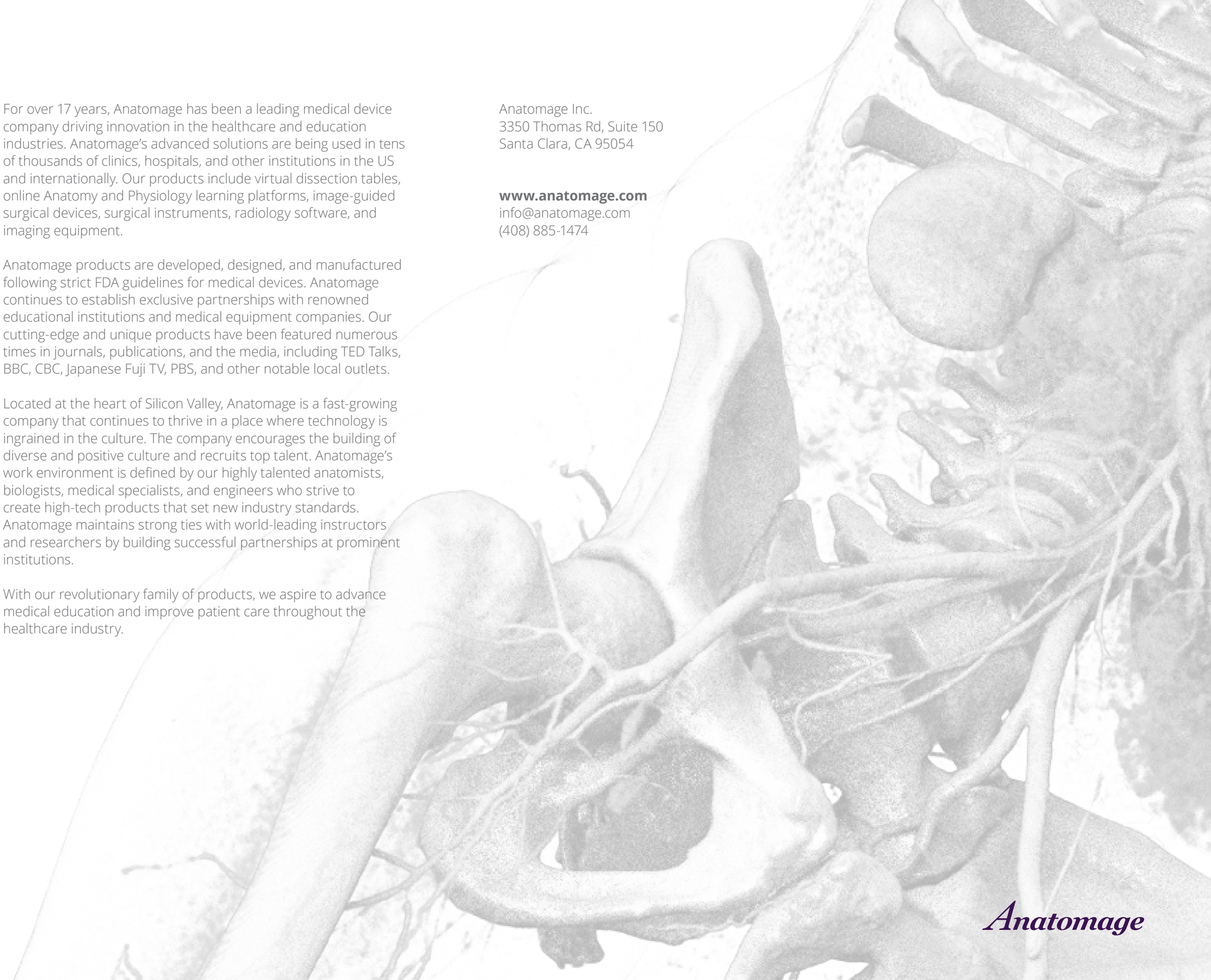
Anatomage products are developed, designed, and manufactured following strict FDA guidelines for medical devices. Anatomage continues to establish exclusive partnerships with renowned educational institutions and medical equipment companies. Our cutting-edge and unique products have been featured numerous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

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 diverse and positive culture and recruits top talent. Anatomage's work environment is defined by our highly talented anatomists, biologists, medical specialists, and engineers who strive to create high-tech products that set new 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.

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