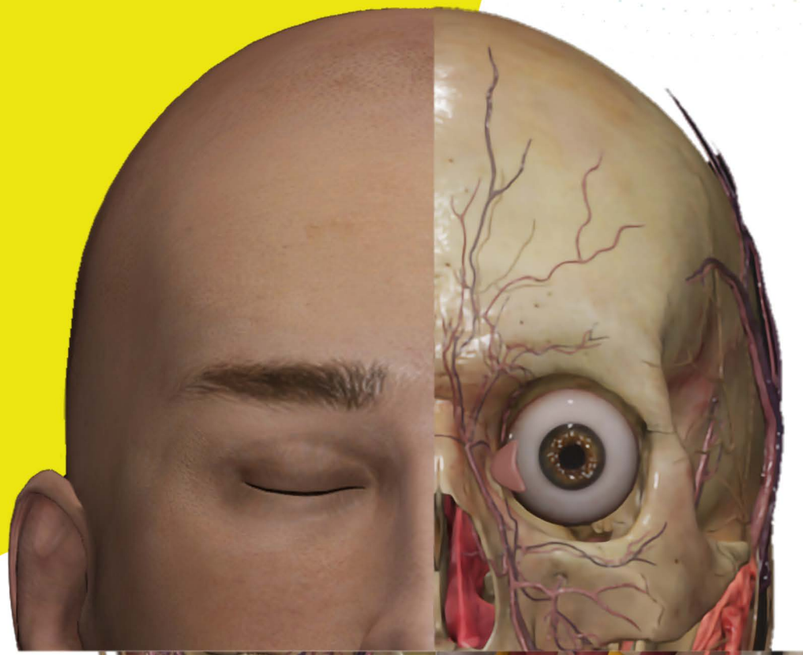
CADAVIZ™

More than a Dissection Table.....

World's Most Advanced
Virtual Human Dissection Table

V 1.6



Experience Immersive Anatomical Exploration

Seen Like Never Before

About Cadaviz

Cadaviz is world's most advanced virtual human dissection table, which allows users to dissect the cadaver virtually and visualize every structure of the body's anatomy in great detail. Users can use their fingers like scalpels, to perform virtual dissections with precision and realism.

Visualizing human organs in lifelike 3D detail, students can delve into the depths of anatomical structures like never before. Numerous prominent medical colleges, hospitals, and doctors use Cadaviz for anatomy learning. It is a globally established product with a dominant market share with the industry's best training and after-sales support network.

Cadaviz is built by a team of top technologists, reputed doctors from leading medical colleges, and highly skilled 3D artists. It is awarded with quality certifications that are known worldwide, like CE marking, ISO 9001:2015, etc.

It is the flagship product of Immersive Labz, a prominent med-tech company that aims to modernize the medical education sector with its offerings. At Immersive Labz, we harness the power of innovation, creativity, and research to deliver best-in-class immersive and interactive solutions to the medical education sector.

50+
Table Installations

100%
Customer Satisfaction

5+
Patents Filed

Best-in-class Learning Experience

Engaging Simulations

Experience detailed anatomical exploration through interactive simulations.

Accurate Anatomy

Digital cadaver is reconstructed using 3D scan data of real cadaver to offer as accurate body anatomy as a real one.

International Standards

Engineered with advanced technology. Tested and recognized for global standards.

Rated as Best

Trusted and recommended by medical industry veterans.

Vast Content

The most detailed content covering 12+ subjects like block dissection, histology, physiology, embryology, and more.

Doctors' Expertise

Content curated by reputed doctors who have up to 40+ years of industry experience.

Life-sized Cadavers

Cadaviz presents an unparalleled opportunity for immersive anatomical education with its collection of various life-sized cadavers. Designed for comprehensive learning, each cadaver offers an intricate exploration of the human body, allowing students to delve deep into unique anatomical structures and systems. Learners can explore these digital bodies in an interactive way to enhance their medical learning and perform dissection layer by layer for complete understanding.

Male Full Body

Female Full Body

Male Cadaver

Female Cadaver

Female with Fetus

Comparative Male and Female (Gross)

Comparative Male and Female (Osteology)

Paediatric Male

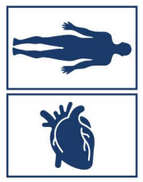
Paediatric Female

From nervous, circulatory to digestive, Cadaviz provides a hands-on experience like no other. With meticulous attention to detail, students can observe real-life anatomical variations and pathologies, enhancing their understanding and preparing them for the complexities of medical practice.

Advance Medical Learning

Perform dissection
at any depth

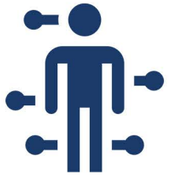
Peel away layer by layer
down to the skeleton



Multiple simultaneous dissections
possible (upto 40/80 touchpoints)

No limitation on
dissection

Visualize organs in
high definitions



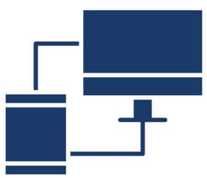
Examine anatomical structures
from diverse viewpoints

Split screen
available

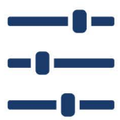
Pinning tool for quick
and easy reference

Utilize draw tool to
annotate structures

Capture
screenshots



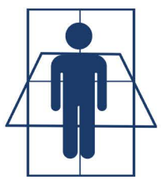
Easily connect to
an external device



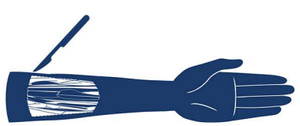
Effortless dissection with
streamlined presets

Hide/Unhide
anatomical parts

Incision line
visualization



Cut in sagittal, coronal,
and transverse axis



Study block dissection
in detail

Simultaneous access to
multi-users

DICOM image
visualization

Interactive
quizzes

Powerful tool
for skills lab

Competency-Based Anatomical Education Curriculum

In consonance with Anatomy, CADAVIZ:

Aligns with outcome-based learning by fostering a deep understanding of the human body and nurturing patient care skills such as spatial reasoning and manual dexterity.

Is learner-centric and employs interactive modules to guide users through digital dissections encouraging “learning by doing”.

Is streamlined to assess competencies in a standardized, objective, consistent, authentic, and reliable manner by using clinical scenarios, assessments, and objective feedback.

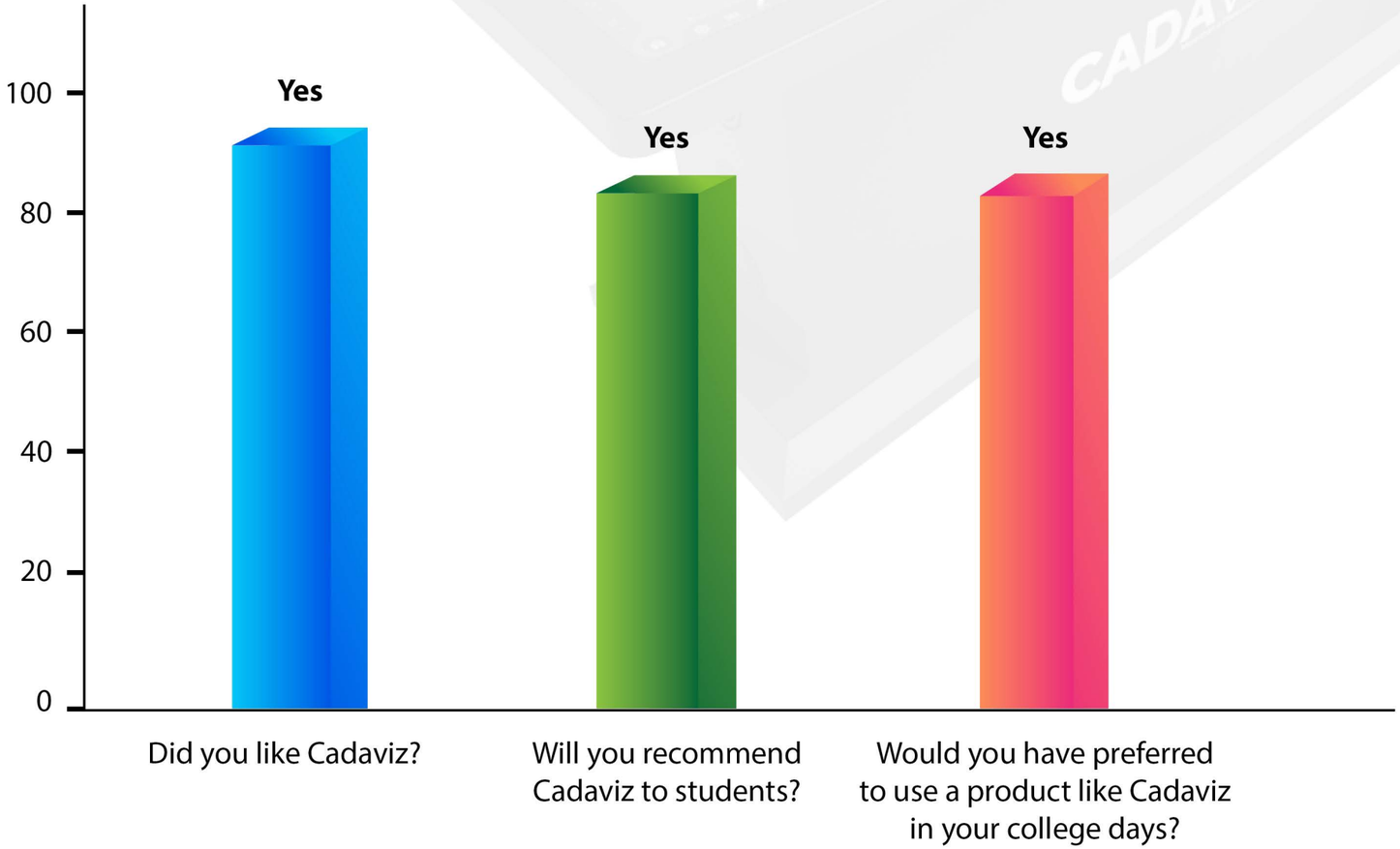
Facilitates early clinical exposure by offering a comprehensive repository of clinical exams, cases, and DICOM images.

Supports self-directed learning by enabling students to revisit complex topics and practice limitlessly at their own discretion.

Provides opportunities for collaborative and inter-disciplinary teamwork, comparative studies, analysis, and group discussion by offering split screens, multi-touch, and multi-display capabilities.

Trusted by Medical Experts

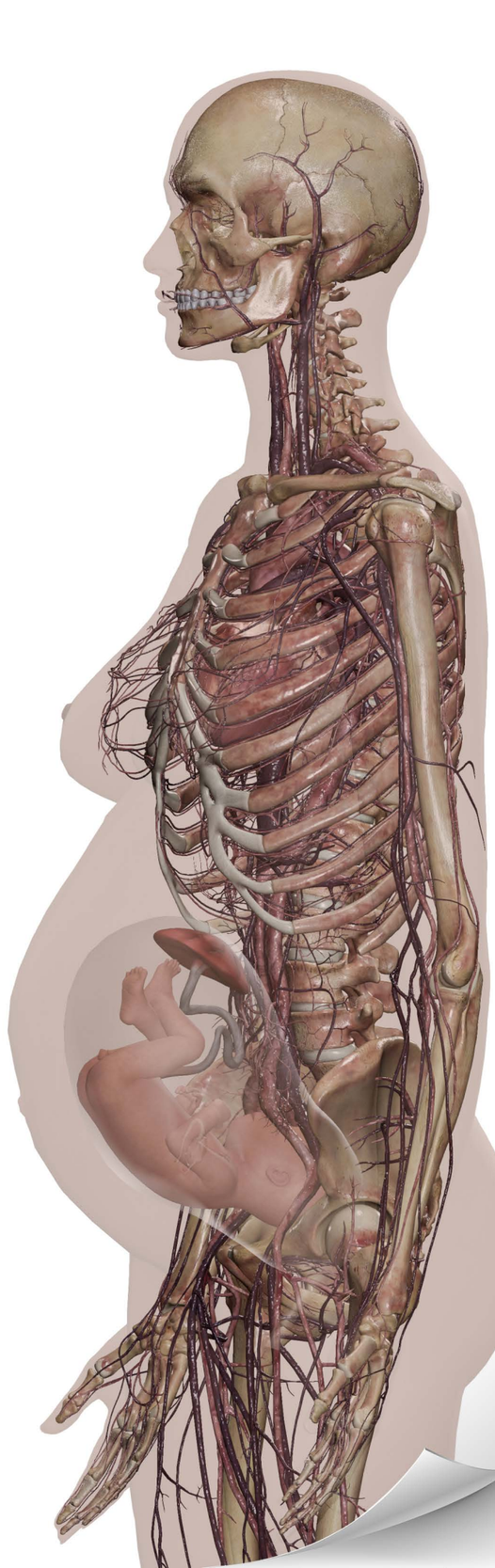
Cadaviz has garnered high praise from medical experts worldwide. Renowned professionals have reposed their faith in its accuracy and innovation, awarding it top ratings. Cadaviz's detailed content and interactive simulations are transforming medical education, making it an invaluable resource for students and practitioners alike.
Check out the findings of a survey.

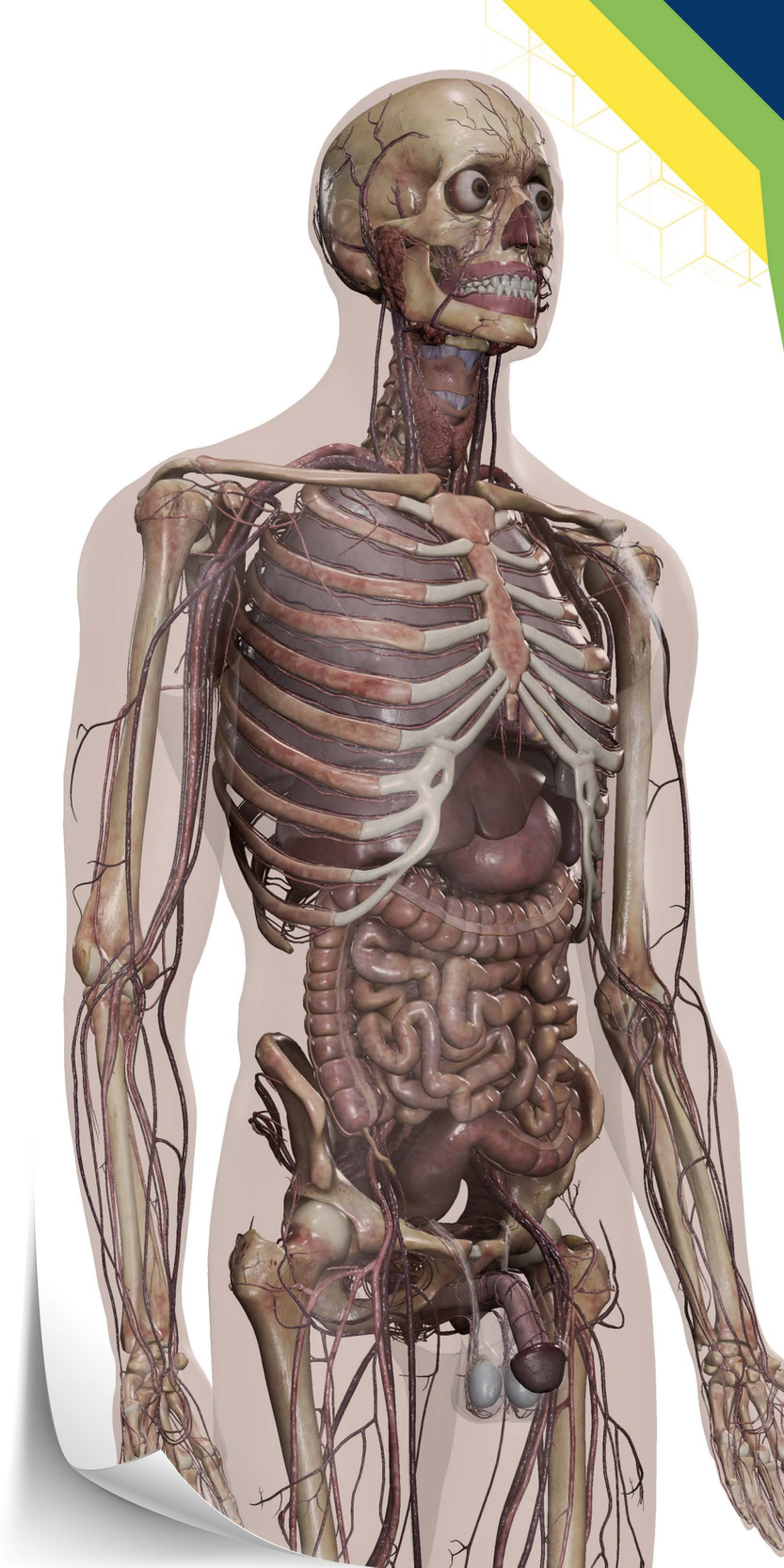


(Findings of an independent survey conducted across top medical colleges)

Gross Anatomy

- **1.2 lakh detailed labels per cadaver.**
- Immerse yourself in a comprehensive study of anatomy with our Gross Anatomy module. It covers adult male and female, as well as paediatric male and female bodies, providing a holistic understanding of human anatomy.
- Compare adult male and female bodies with other animal species to understand the mammalian anatomy comprehensively.
- Learn about various anatomical structures present across the body with the assistance of **1000+ cross-section slides** procured from both CT and anatomical images of male and female cadavers.
- Learn the changes seen in the female during third-trimester pregnancy in different systems through layer-by-layer segregation of different systems along with the characteristic feature exhibited by a 7-month fetus.
- The visibility slider and the visibility index are two critical features of the table, offering significant advantages in understanding anatomical structures and their labels based on their visual presentation.



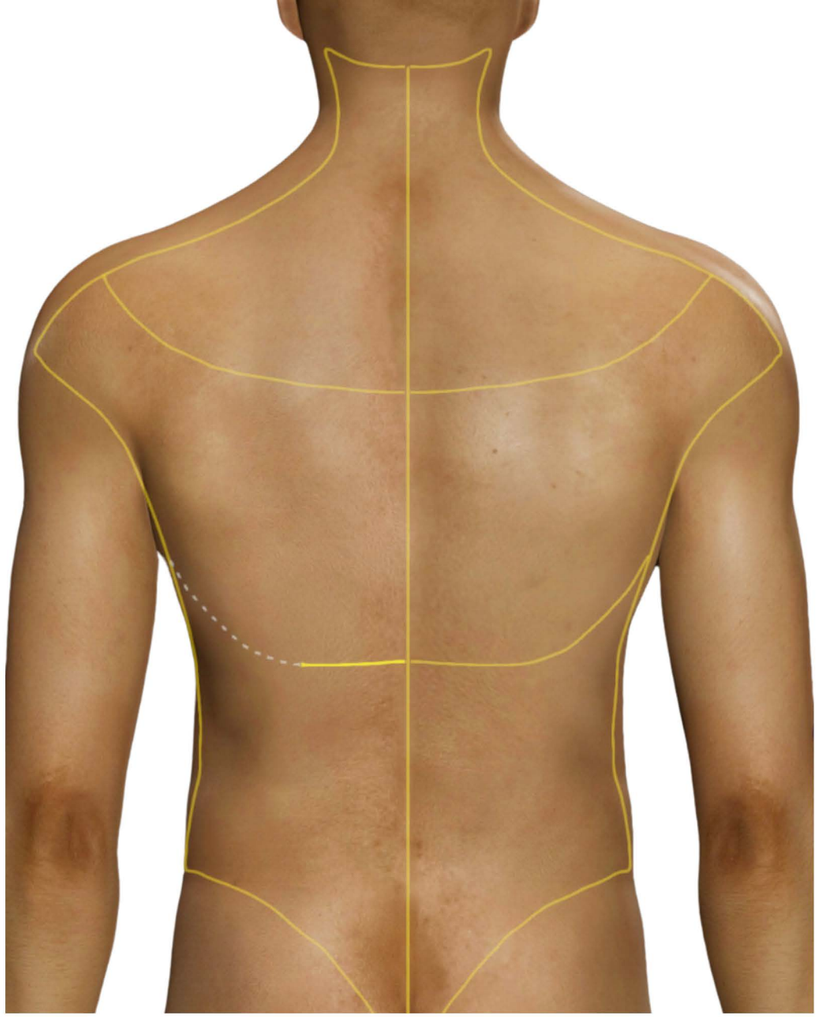


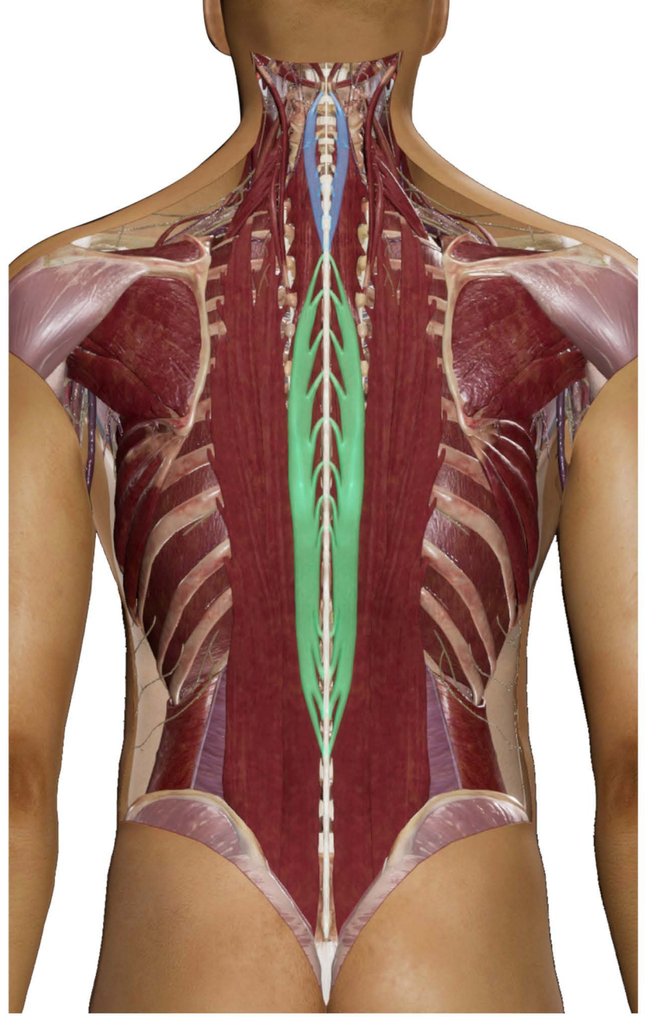
Regional Anatomy

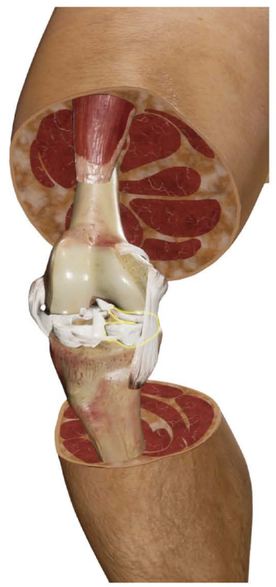
- **5000+ labels across each Gross & Regional Anatomy.**
- Engage yourself in the understanding of region-wise anatomy with our regional anatomy module.
- Navigate through different systems with the help of the visibility slider and visibility menu, created in accordance with the medical educational curriculum.
- A key feature of regional anatomy is the study of dermatomes, which are presented in a region-specific manner to facilitate a deeper understanding of their distribution and clinical significance. Highlighting dermatomes regionally allows students to develop a comprehensive approach to learning the sensory innervation patterns of the skin, which is essential for diagnosing nerve injuries, understanding referred pain, and planning targeted interventions in clinical practice.
- Pin any part of the structure or system to learn the comprehensively associated structures.
- Duplicate the bodies which can be separately navigated by multiple users simultaneously in various planes.

Block Dissection

- **60+ block dissections.**
- Cross-sectional views of various organs provide valuable insights, helping students gain a deeper understanding of their anatomical structures and spatial relationships.
- Instrument: Upgrade yourself from knowing the core anatomy dissection instruments to the advanced surgical tools.
- Incision lines: With a scenario-oriented approach, learn not only the depths of anatomical skin incisions but also the basics of surgical ones.
- Visualize the relations of different structures in 3D to comprehend their anatomical and clinical significance.
- Check out the depth of dissection of clinically significant regions with realistic interactive simulations and understand their importance from basics to intricate details.
- Navigate with Precision: Follow clear instructions to explore deeper structures and easily uncover the specific contents of dissected areas.
- Interactive Learning: Tap on surrounding structures to reveal labelled areas and comprehensively view the anatomy.

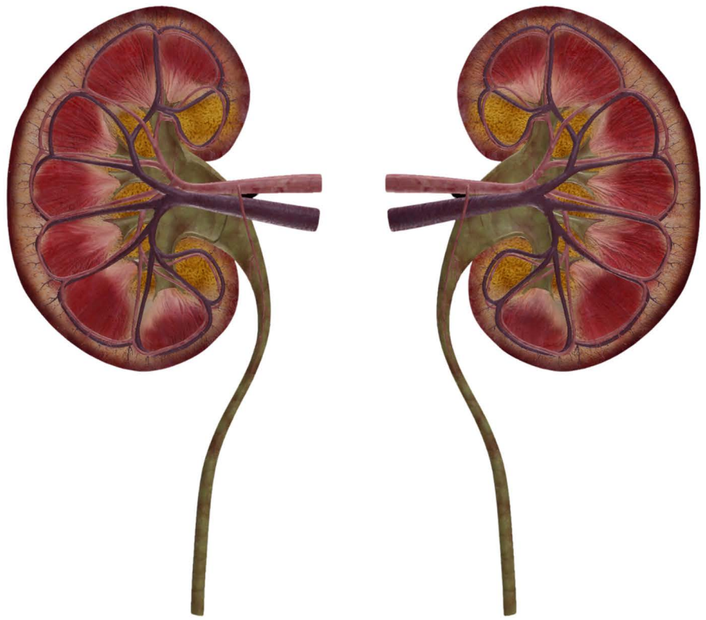


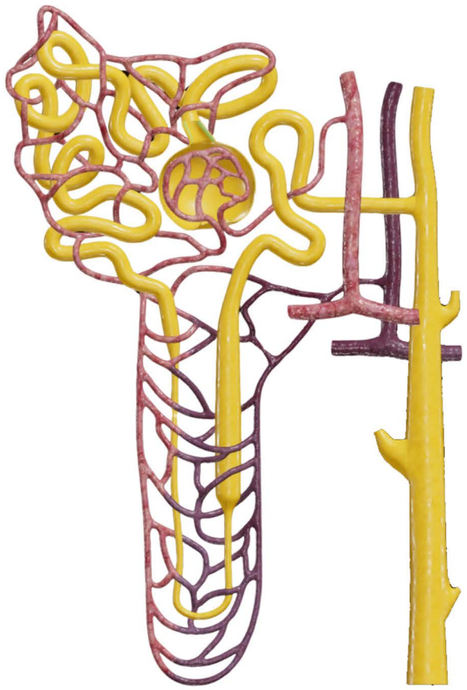




Anatomy of Organs and Parts

- **30+ detailed anatomy of organs & parts.**
- Comprehend the anatomy of specific organs in a realistic manner.
- Course through the layers of the organ with the help of a visibility slider.
- Investigate the nervous, circulatory, and lymphatic systems innervating that particular organ.
- Explore the functional dynamics of each organ through the organ simulation.
- Understand the minute details of each organ through the microanatomy section of "Anatomy of Organs and Parts."
- Cross-sectional views of various organs provide valuable insights, helping students gain a deeper understanding of their anatomical structures and spatial relationships.



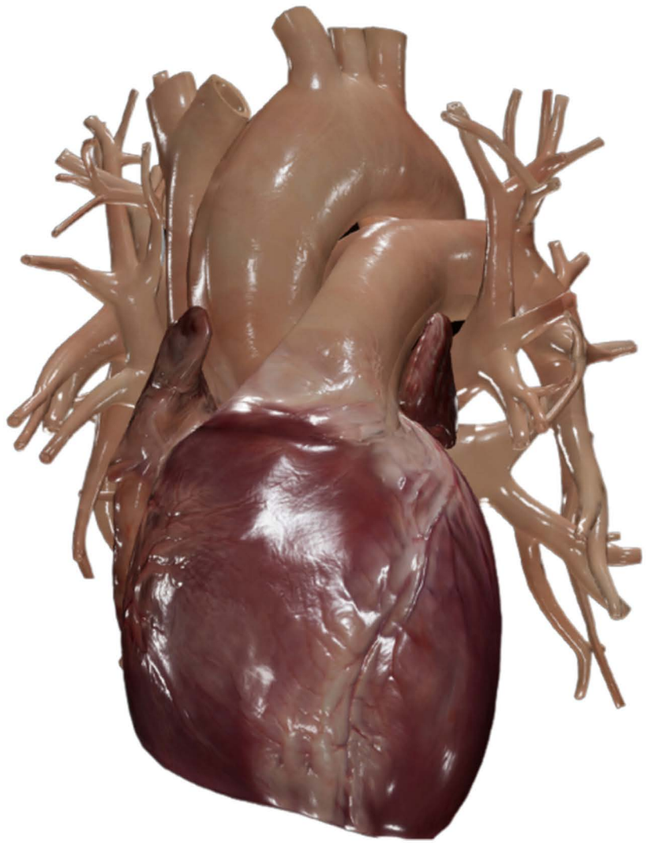


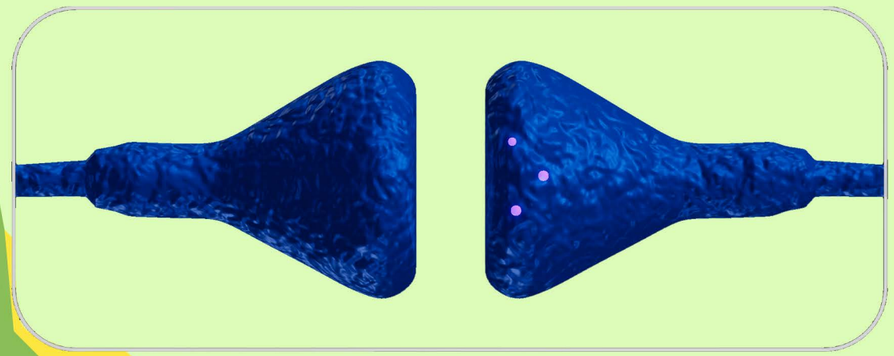
Osteology

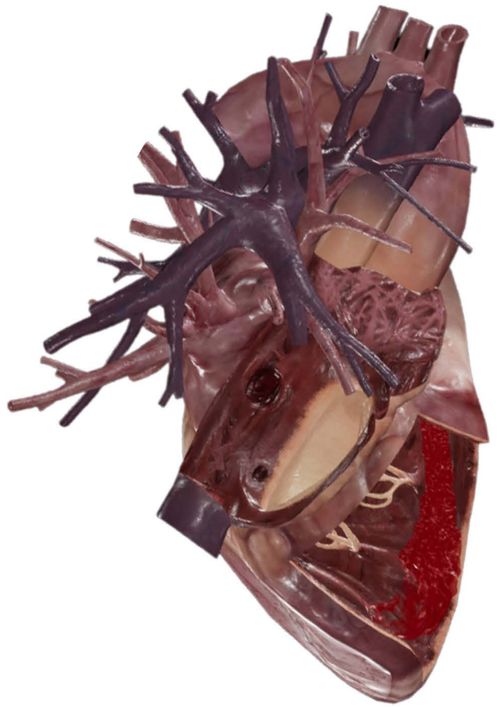
- **300+ general features along with bony landmarks & ossifications.**
- Enhance your understanding of osteology by studying different bony structures, their process of ossification, and microscopic morphology.
- Isolate every bone from the skeletal system to study the characteristics of an individual bone.
- Observe different bony landmarks marked with varied colours, which will help you understand the anatomical details of specific bones.
- Study the general features of a particular bone in minute detail by highlighting of specific part.
- The osteology of the fetal skull, including its landmarks, is essential for understanding its structure. Additionally, the vault of the skull can be studied in detail through various views and aspects, highlighting key features in the osteology section.

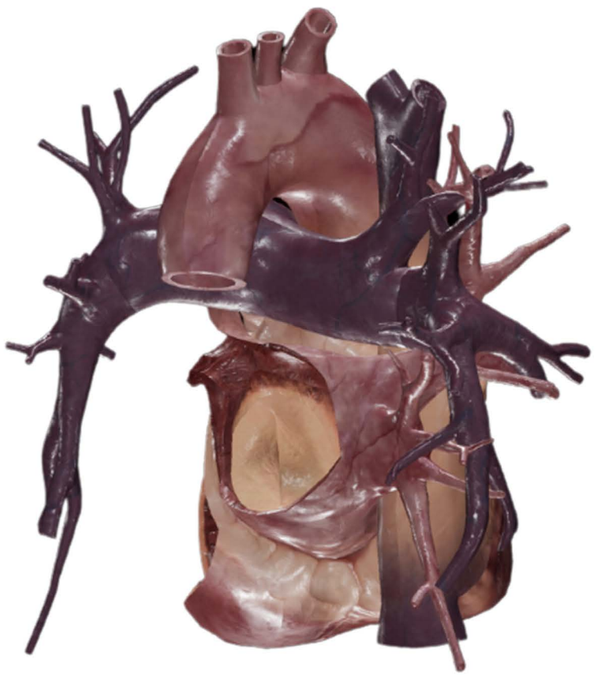
Physiology

- Explore **2000+ physiology simulations** to understand the day-to-day dynamics of the human body.
- Interactively learn and develop a deeper understanding of different physiological processes of cardiovascular, renal, respiratory, neurology and gastrointestinal systems through medically precise content.
- Understand complex functionalities of the human body in an easy and interactive way.
- Learn complex physiological equations in an engaging manner with the help of formulas and simulations.



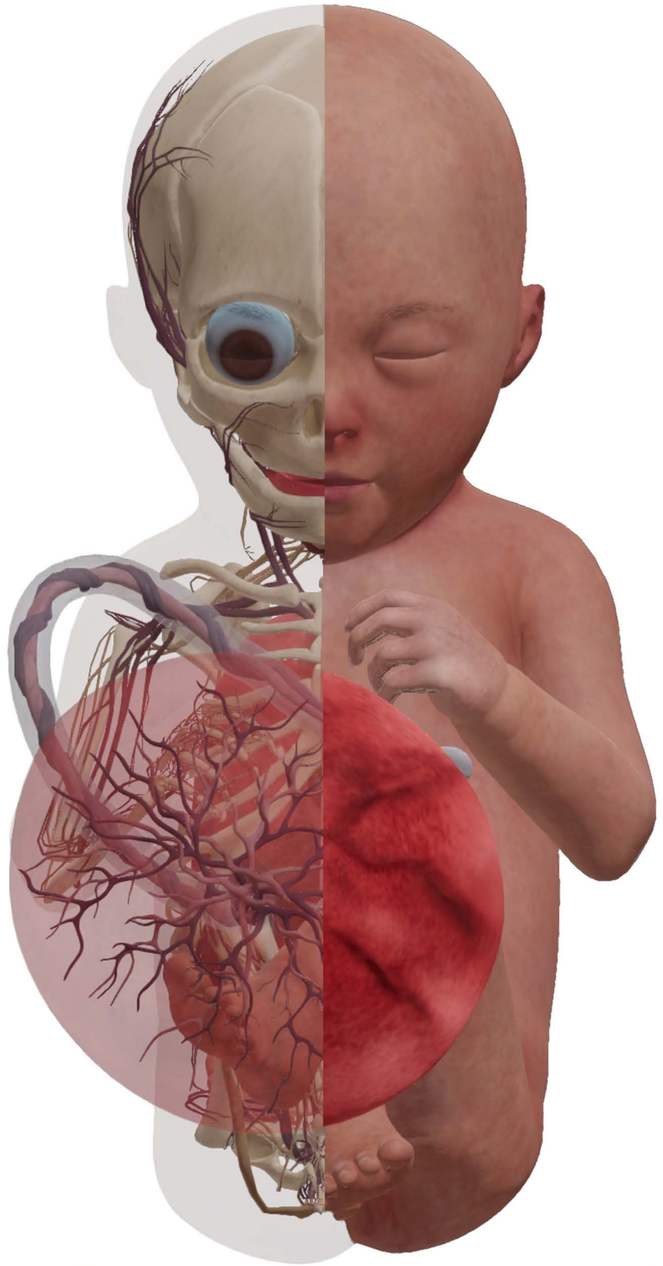


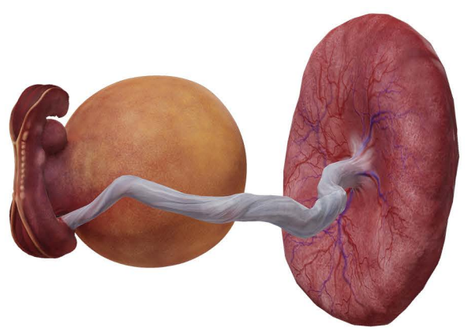


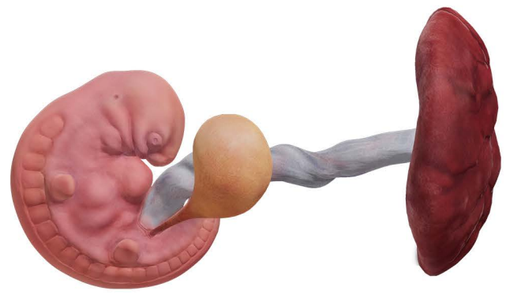


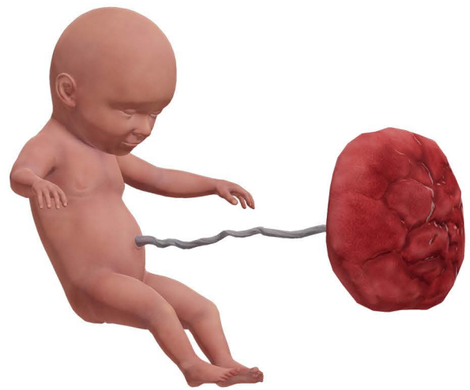
Embryology

- **200+ detailed topics on embryology.**
- Understand the conception of life with our interactive module on embryology. Visualize and interact with the various phases of prenatal growth.
- You can trace the morphological and functional changes occurring during the germinal, embryonic and fetal stages of gestation.
- Explore the process of spermatogenesis and oogenesis using simulations. Understand the four stages of the menstrual cycle.
- Apprehend the interplay between the hormones of the pituitary gland and ovarian hormones precipitating each stage of the female sexual cycle.
- Visualize and grasp the concepts of contraception and fertility. Familiarize yourself with the factors affecting fetal growth. Improve your understanding of the various invasive and non-invasive methods of prenatal diagnostics.



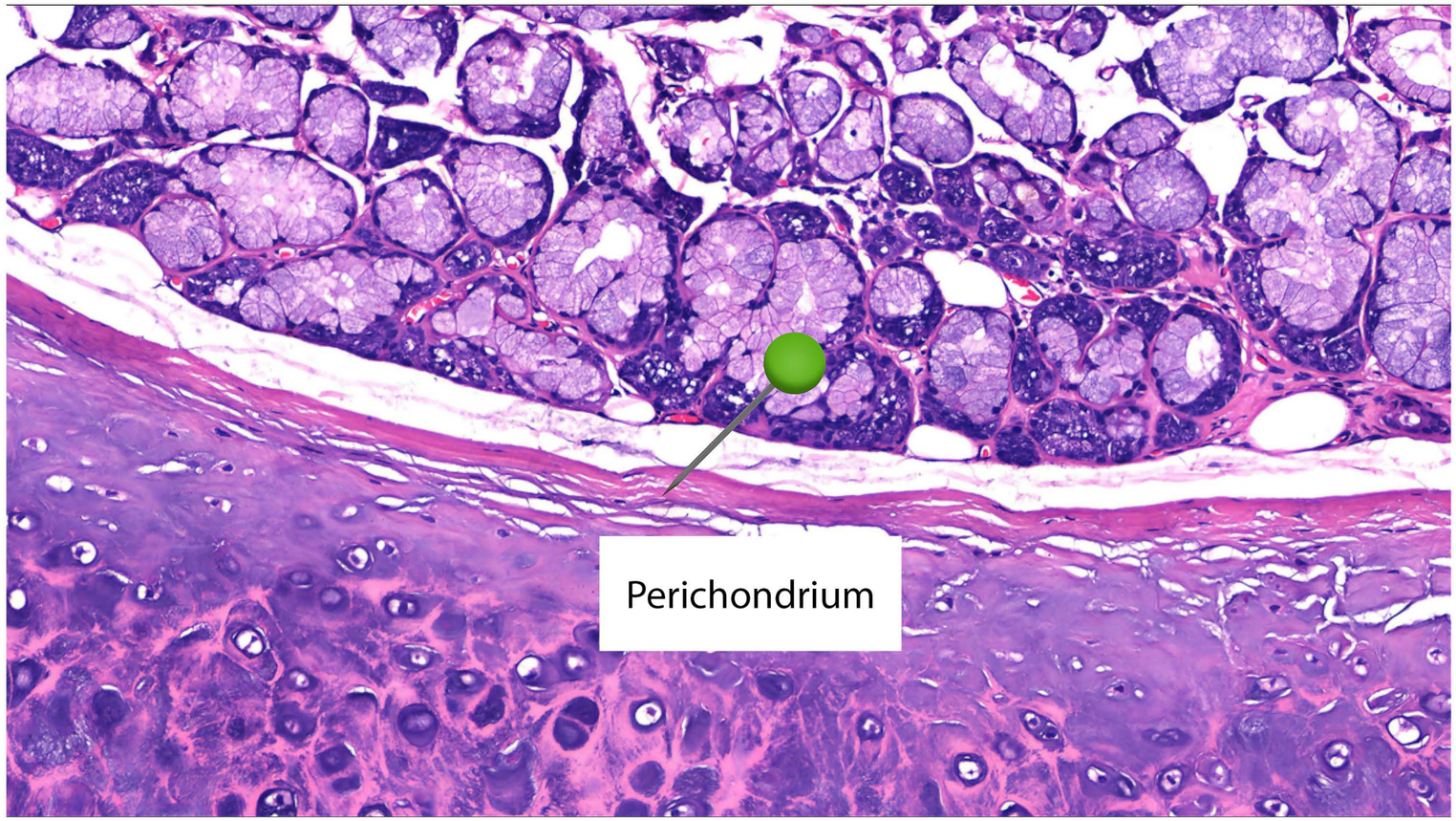


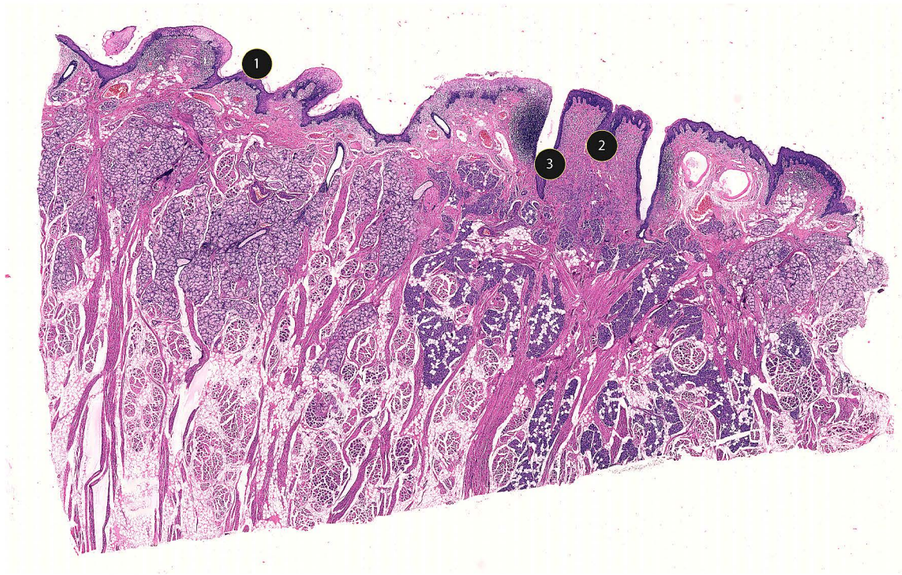




Histology

- Study the microscopic details of **500+ histological specimens** that have been stained accurately using Hematoxylin and Eosin stain along with various other special stains.
- Explore the intricate details of each specimen at the tissue and cell levels.
- Use the extensive menu of labels accurately indicating each structure of importance to learn and understand the specimen's microanatomy.
- Study the detailed description to learn the key features and how to identify the tissue using its cardinal features. Use our lens option to further zoom into the specific field and orientation.





Slide Name

Circumvallate Papillae of Tongue

Microscopic description

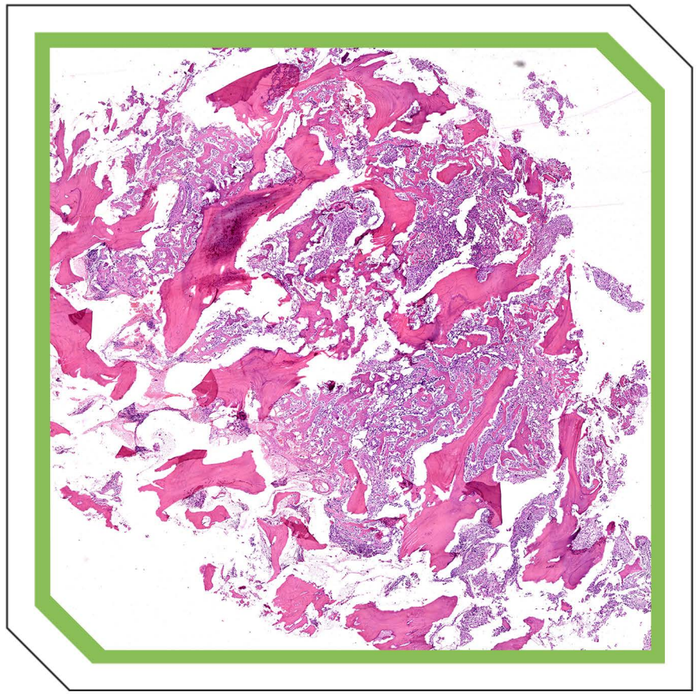
1. Stratified Squamous Nonkeratinized Epithelium:
The tongue is covered on both sides by Stratified Squamous Nonkeratinized Epithelium.

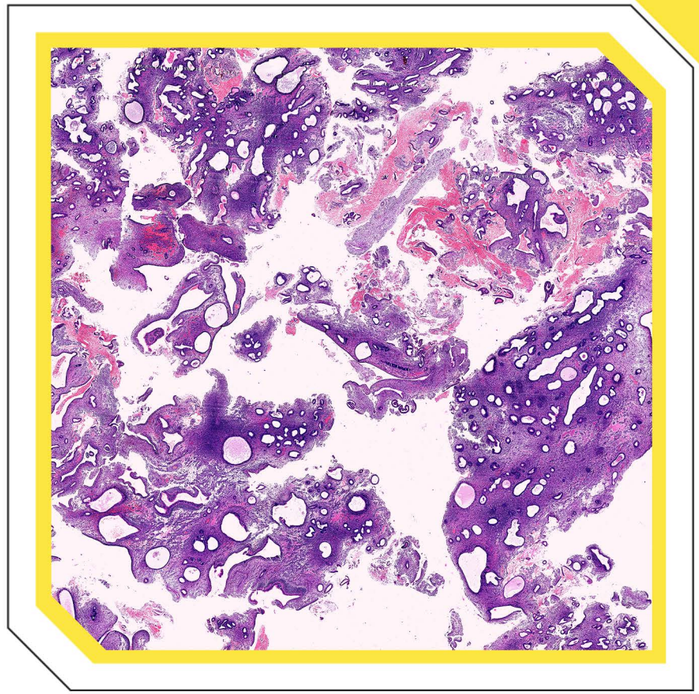
2. Circumvallate papillae:
Circumvallate papillae are the largest papillae on the tongue. They are covered with a stratified epithelium and the walls contain numerous taste buds in the medial walls of the cleft. These papillae are larger than the other two types of papillae.

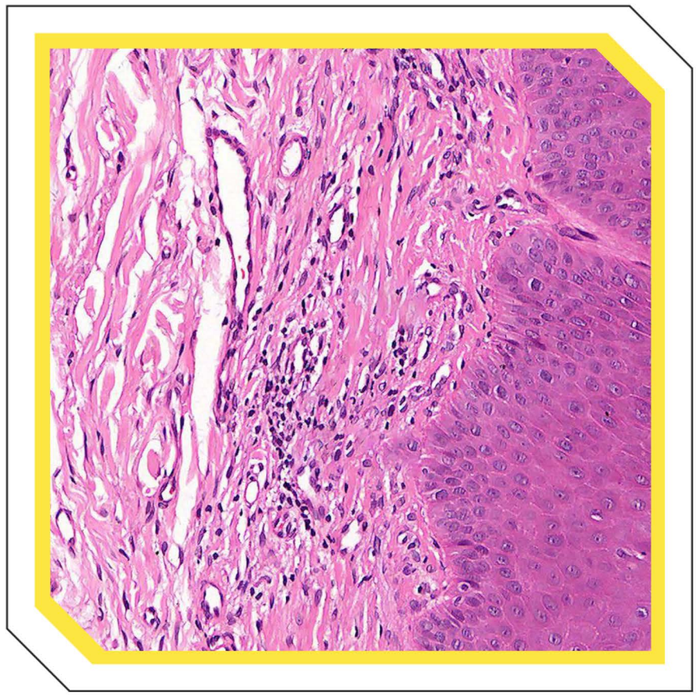
3. Furrow:
The circumvallate papillae are separated from the mucosa by deep clefts or furrows. Taste buds can be seen in the medial wall of these furrows.

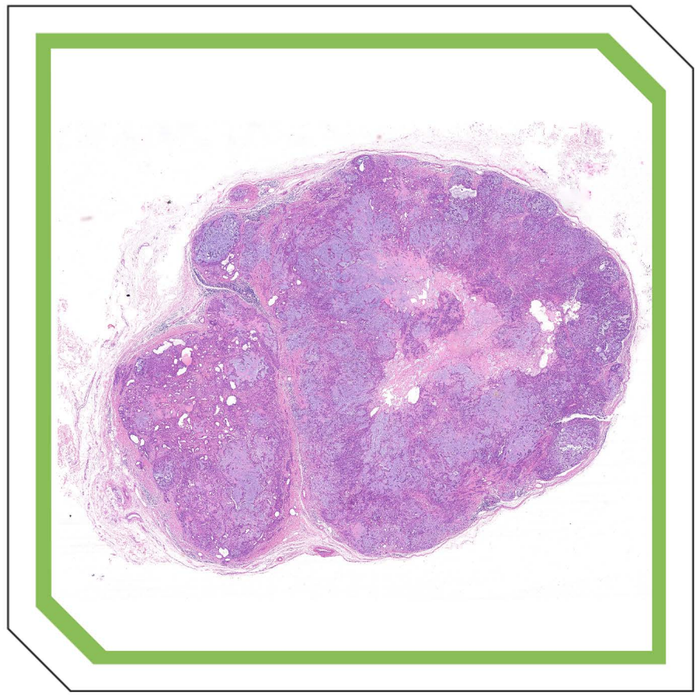
Histopathology

- Learn and understand the various pathological findings and how to identify them in more than **500+ pathological specimens** covering various conditions across all the systems.
- Find the description and an accurately labelled slide of each of the pathologies where the important findings and their cardinal features have been labelled.
- View specimens stained in various stains of importance and also use this module to compare a pathological slide to its normal healthy counterpart side by side.
- Zoom all the way into the nucleus level and examine the various changes. Enhance your understanding of the identification of pathologies and their gross and microscopic morphology.



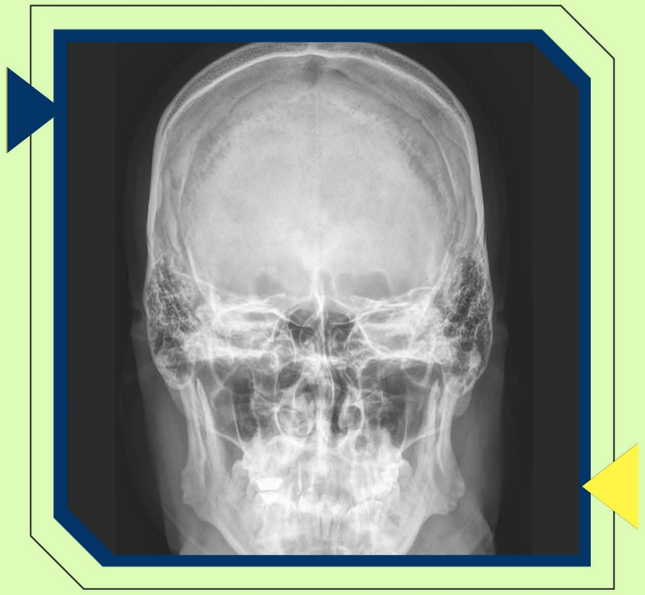


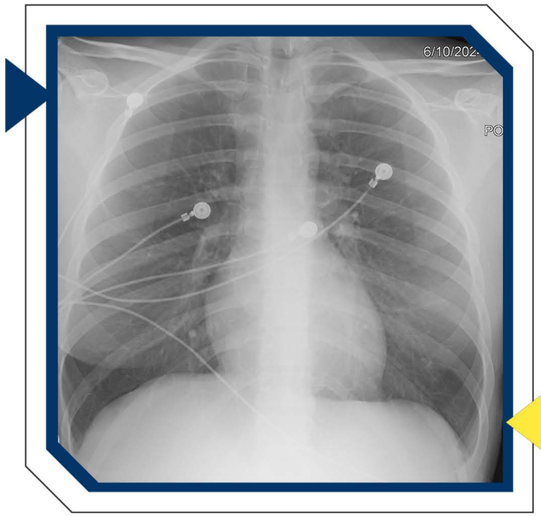




Radiology

- **1000+ radiology slides.**
- Our radiology case library comprises general and applied radiology modules with various pathological conditions, which serve as references for radiologists during clinical studies.
- Facilitate radiology workflow with our integrated PACS and DICOM viewer to have deeper knowledge.
- The DICOM viewer enables users to visualize case data from CT, MRI, X-ray, and other imaging modalities and comparative studies, along with patient details when required to interpret medical images retrieved from the PACS.
- Integrated 3D volume rendering tools for high-quality 3D visualization and navigation through personalized data and specific anatomical structures.





Radiograph of the chest (single view). June 10, 2024 0522 hours

Clinical history: Syncope

Comparison: No prior study is available for comparison.

Findings:
The heart, mediastinum and pulmonary hila are unremarkable. The lungs are clear. There is no pleural effusion. The bony thorax is unremarkable.

Impression:
No acute cardiopulmonary process.

RADIOGRAPH OF THE PELVIS (SINGLE VIEW):June 10, 2024 0322 hours

Clinical History: Trauma.

No prior study is available for comparison.

Findings:
The visualized bones are of normal configuration and density with no focal or diffuse bony abnormality. Both sacroiliac and hip joints are unremarkable. There is no fracture or dislocation. There is no soft tissue abnormality.

IMPRESSION:
No evidence of fracture or dislocation.

Radiographs of the skull (2 views) June 01, 2024 at 0349 hours

Clinical history: History foreign body thought to be removed, needs MRI tonight.

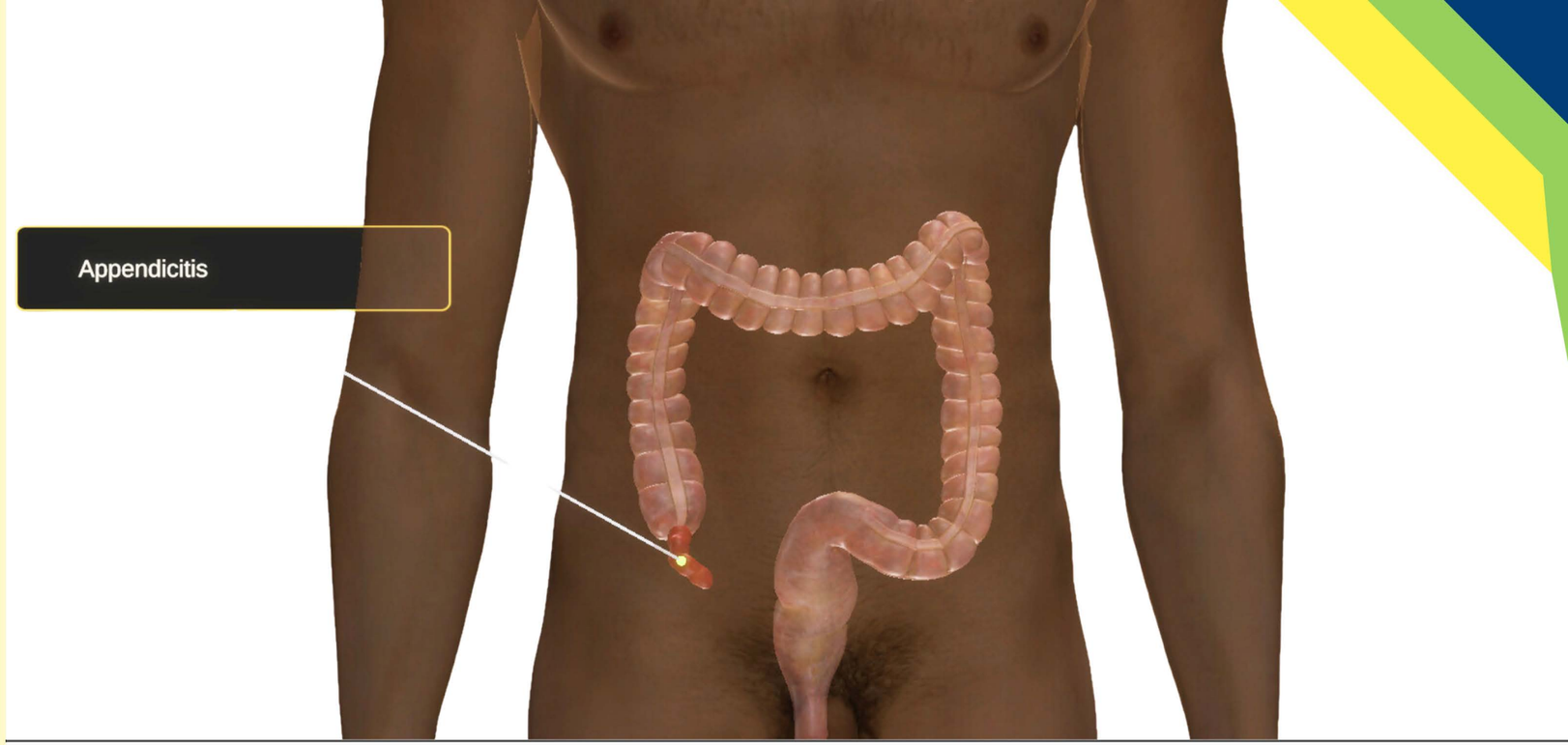
Comparison: No prior study is available for comparison.

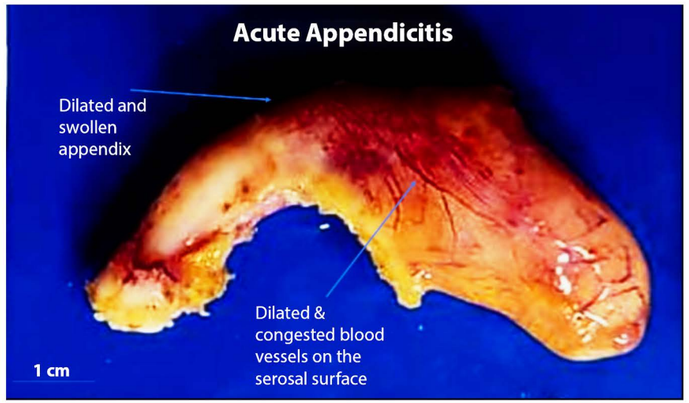
Findings:
There are no fractures. The bones and joint spaces are unremarkable. Alignment is normal. Normal soft tissues.No metallic foreign body.

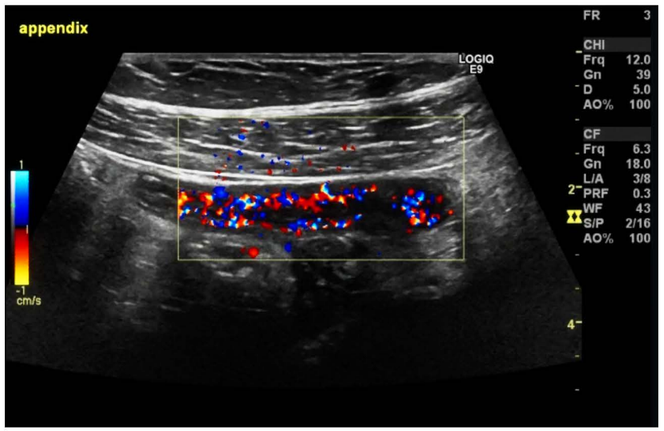
Impression:
Normal exam

Clinical Library

- Access **700+ OSPE (Objective Structured Practical Examination) cases** and **100+ clinical procedures** covering diverse pathologies, including rare conditions, through Cadaviz's comprehensive clinical case library.
- Explore real-life patient images and radiological scans integrated into the platform, enriching learning with authentic clinical context and enhancing diagnostic skills.
- Gain comprehensive insights into diagnosis, clinical implications, and treatments across all human body regions, preparing for real-world medical scenarios.
- Experience lifelike regional anatomy with 3D resolution tailored for various clinical cases, enhancing immersion in the learning journey.
- Participate in interactive simulations, like simulating coronary angiography, and utilize exam mode for thorough learning and assessment.

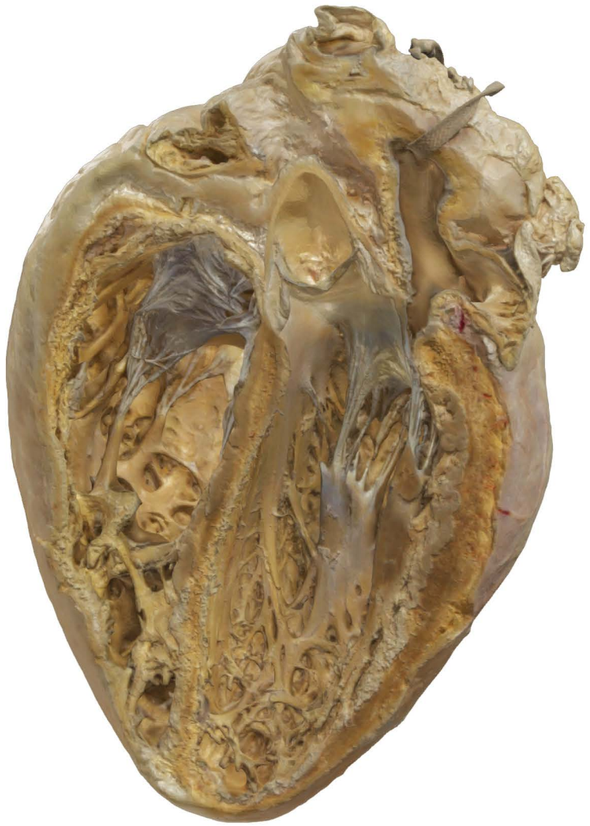


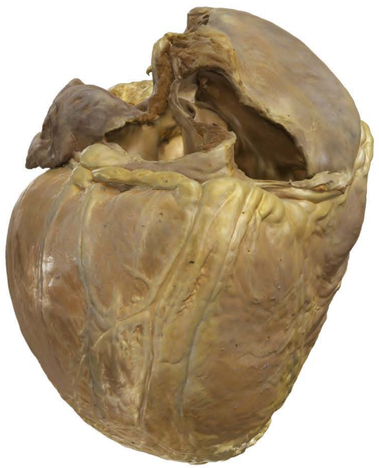




Prosection

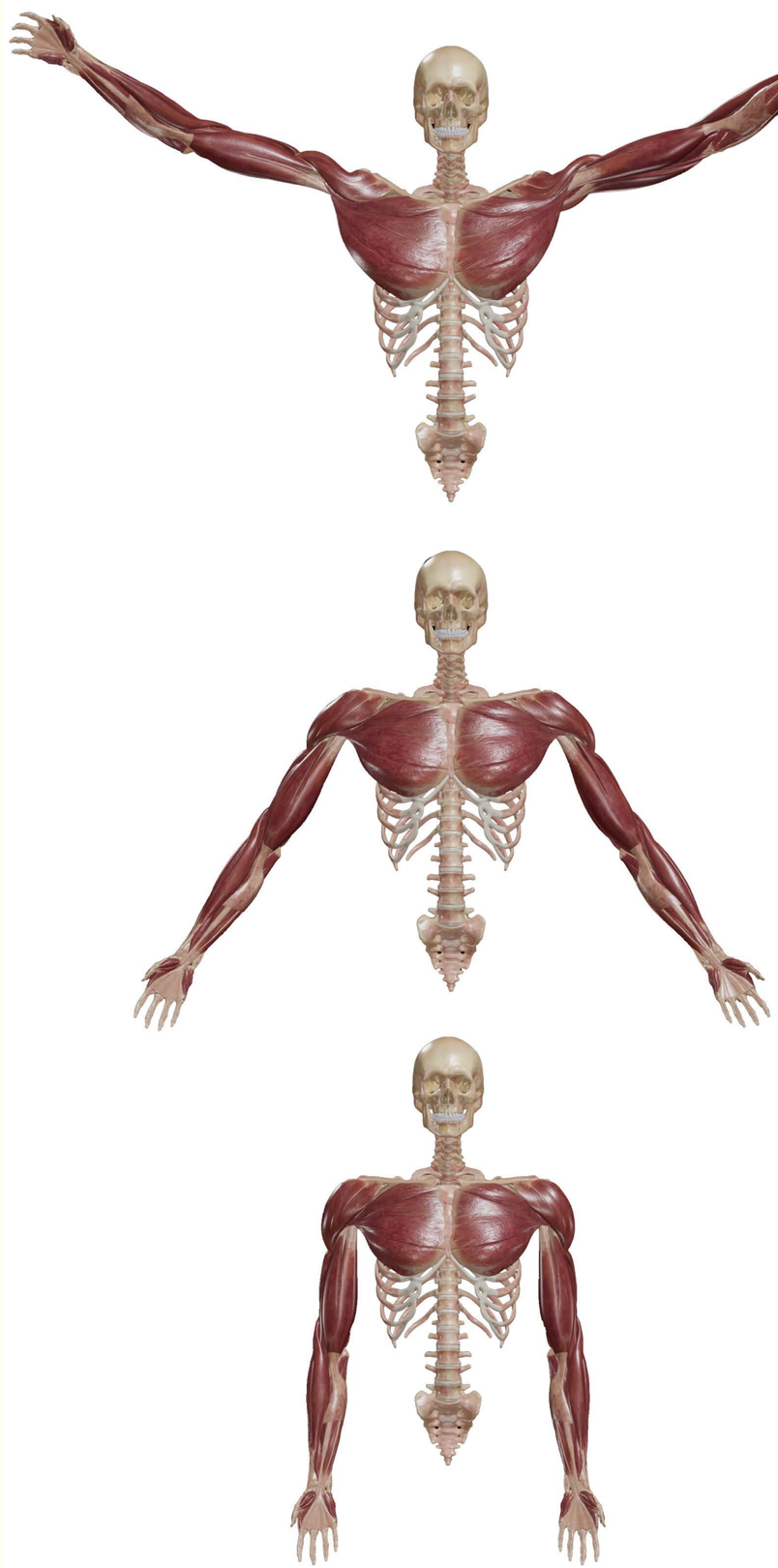
- **100+ specimens in prosection.**
- Get a comprehensive view of the human body through 3D photorealistic images with annotations and detailed labelling.
- Dissect the cadavers to demonstrate specific anatomical structures, providing an extensive array of prosections for users to explore.
- Differentiate normal anatomy from pathological tissues and regional anatomy with highlighters.
- Explore 3D reconstructed images with pinpoint labels for clarity, enhancing the learning experience.
- Try hands-on dye injection to enhance the visibility of arteries and veins, while a 3D scan view offers a better understanding of organs and regions.





Muscular System and Muscle Movement

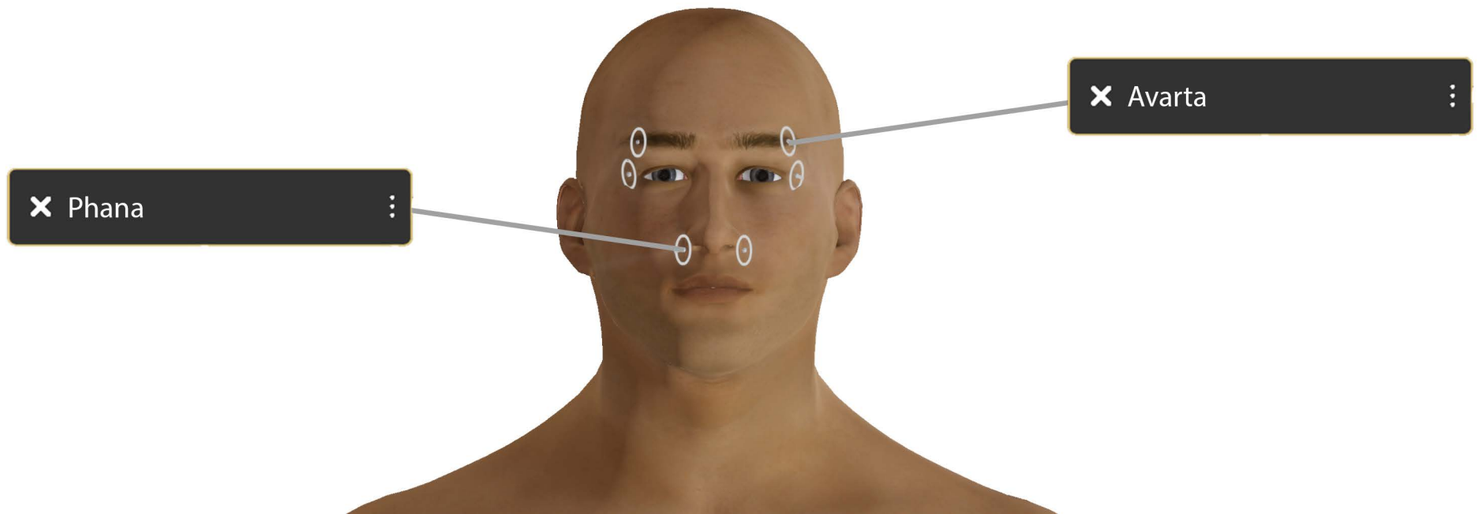
- Explore the human muscular system, encompassing more than **100's of muscles.**
- Tour through different regions of the body, namely the face and neck, upper limb, lower limb and abdomen regions, covering all muscles from the human body.
- Study the intricacies of the muscular system by understanding the origin, insertion and nerve supply of a particular muscle with the help of world's most advanced virtual dissection table.
- Experience a variety of muscle movement simulations using our cadaver that replicates the physical body, assisting in a better understanding of theoretical concepts.



Ayurveda

(Additional Content)

- Experience the world's first simulation table for Ayurveda, which helps in easier correlation between Ayurveda and Modern Science.
- Explore Rachana Sharir and Kriya Sharir deeply, blending tradition with innovative learning techniques.
- Delve into the detailed account of human anatomy from an Ayurvedic perspective with the help of a varied array of marma, asthi, sandhi and many more sharirs, along with the panchakarma treatment simulation.
- Familiarize the concept of human physiology from an Ayurvedic perspective with the help of interactive simulations.



Tech Specifications

Product Dimensions:	L: 89″ (226 cm) H: 33.62″ (85 cm) W: 27.30″ (69 cm)	L: 78″ (198 cm) H: 34.2″ (87 cm) W: 23.6″ (60 cm)
Weight:	460 lbs (209 kg) / 374 lbs (170 kg)	
Power Supply:	Universal 110-240V power system	
Network:	RJ45/Wi-Fi	
Touch interactivity:	+-7ms response time	
Hardware:	- Intel 13th Gen Core i9 processor - 16 GB/24 GB NVIDIA graphics card - 1 TB/1.5 TB NVMe M.2 SSD with upgradable storage options - 32GB DDR4 (2666 MHz) / DDR5 (5600 MHz) RAM	

A Quality Product of Immersive Labz

Learn More

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