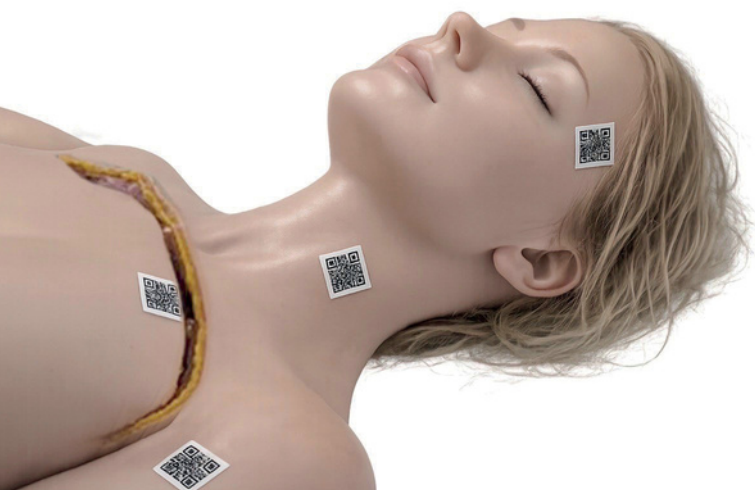




PIROGOV ANATOMY



ECOSYSTEM FOR TEACHING ANATOMY, PRACTICING MANUAL SKILLS AND CONSOLIDATING KNOWLEDGE ON A SINGLE PLATFORM Transforms learning anatomy into knowing anatomy — understanding in 3D, developing practical skills, personal multiplatform access to 3D anatomy

ECOSYSTEM THAT CHANGES THE RULES



Create unique scenarios! Replace traditional limitations with the unlimited flexibility of 3D technologies, intuitive visualisation and immersive environment



State-of-the-art 3D Anatomy Tables

Pirogov Anatomy App for Windows, IOS, Android

Autopsy Simulation Manikins

3D Atlas of Human Anatomy

3D Atlas of Embryonic and Fetal Anatomy

3D Atlas of Animal Anatomy

3D Virtual Dissection Labs

VIRTUAL ANATOMY TABLES FOR ANY DEMAND AND BUDGET

Pirogov Anatomical Tables: Three Versatile Models. Choose based on your institution's needs.



MODEL-1

Flexible solution for group work, lectures and seminars. Light and mobile fiberglass 3D Anatomy Table with 50-inch touch screen.



MODEL-2

Full-size table with life-scale 3D human anatomy model. 88-inch seamless touch screen, ergonomic and futuristic design.

MODEL-3

Cost-efficient solution for nursing and high schools. Tilttable 43-inch touch screen.

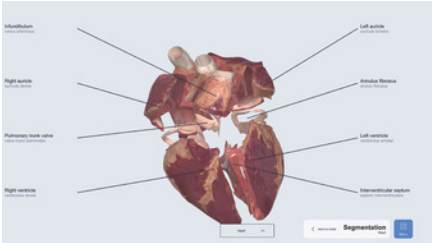
PERFECT DETAILING OF ANATOMY IN 3D WITH 4K RESOLUTION

Strictly follows FIPAT terminology requirements— international standard. Comprehensive anatomy rendered in 3D interactive models of male and female bodies. Study morphology by layers, systems, organs, body parts knowledge assessment section.



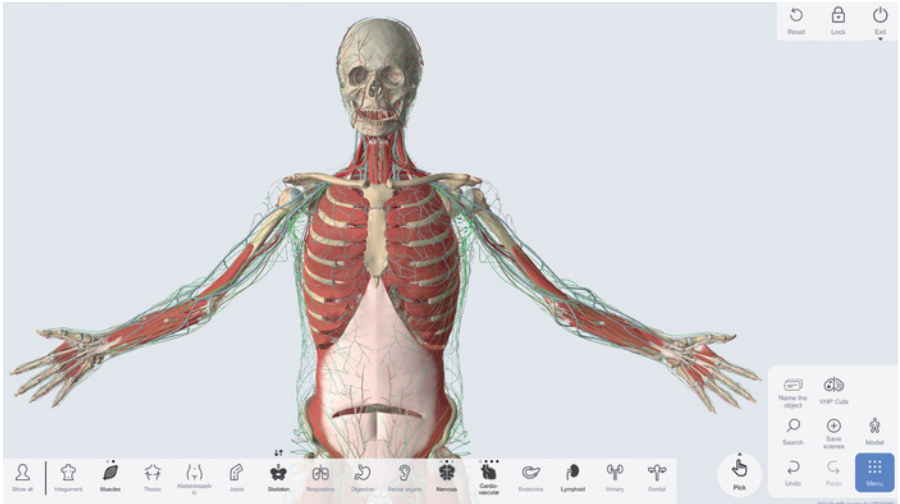
REGIONAL ANATOMY

Human body by layers: 11 layers including skin, fat, ligaments, muscles, skeleton, bile ducts, organs, arteries, veins, nerves, lymph. Segmental and lobar structure of organs: visual demonstration of blood supply, lymph drainage and innervation.



HUMAN ANATOMY

Human anatomy by systems: integument, muscles, thorax, abdominopelvic, joints, skeleton, respiratory, digestive, sense organs, nervous, cardiovascular, endocrine, lymphoid, urinary, genital. Digital Dissection in coronal, sagittal, axial planes including real human tissue «ice cuts».



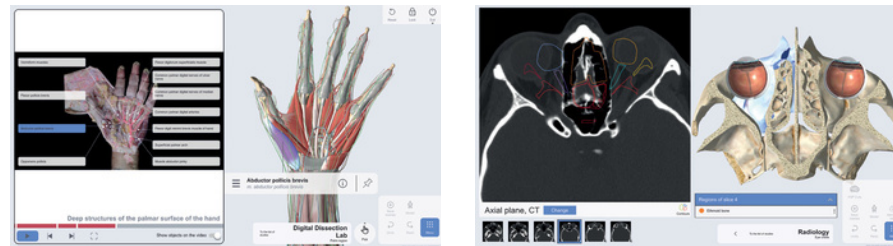
COMBINED LEARNING CAPABILITIES: DIGITAL DISSECTION LAB, RADIOLOGY, PATHOLOGY

DIGITAL DISSECTION LAB

Step-by-step dissection + 3D in one. Practical dissection guide, real dissection video lessons with 3D navigation through the interactive atlas.

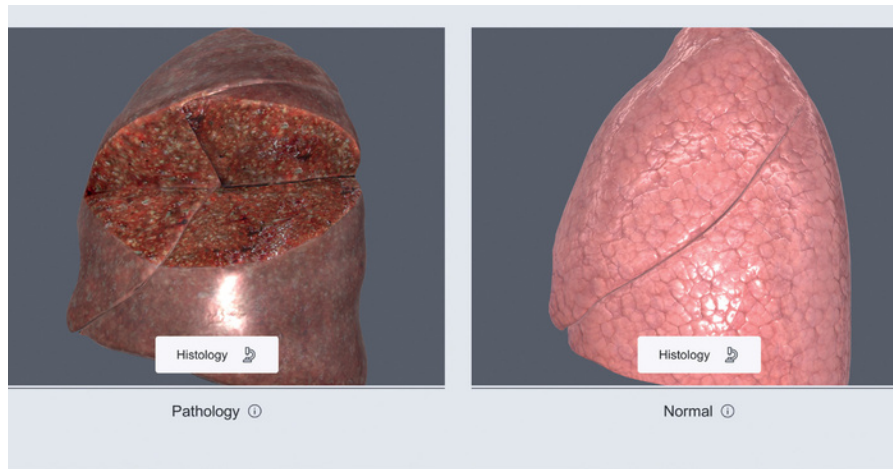
RADIOLOGY

Facilitates smooth transition from pre-clinical to clinical faculties. Comparison of 3D anatomy models with labeled X-ray images (axial, sagittal, coronal). Marked structures directly linked to 3D model for perfect visualization.



PATHOLOGY

3D models of internal organs enabling side-by-side comparison of healthy and pathologically altered organs. Includes histological structure examples. High-quality histology images for microscopic study.



INTERACTIVE 3D ATLAS OF EMBRYONIC AND FETAL ANATOMY

True breakthrough. The world's very first anatomically precise digital «3D atlas of Embryonic and Fetal Anatomy»

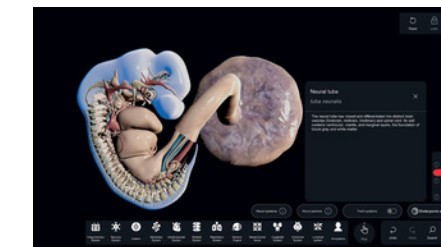
Atlas was created using the method of macro-microscopic dissection of real embryological specimens by an international team of anatomists and embryologists. Unique embryological collections are now available in digital format.

Anatomically Accurate: Maximum precision of anatomical 3D objects is achieved through the visualization of real biological specimens.

Comprehensive Educational Tool: Study the step-by-step formation of systems and organs in a three-dimensional format. All atlas objects are supplemented with descriptions of systems and organs at each stage of development.

Interactive: The atlas allows for a step-by-step study of the structure of the embryo and fetus at all stages of development: systemically and layer by layer, as well as the evolution of individual systems, objects, and organs.

Ethical and Accessible: A powerful educational tool that is visual and interactive, enabling teaching without the use of biological materials, in accordance with modern standards of digitalization in medical education.



3D ATLAS OF ANIMAL ANATOMY

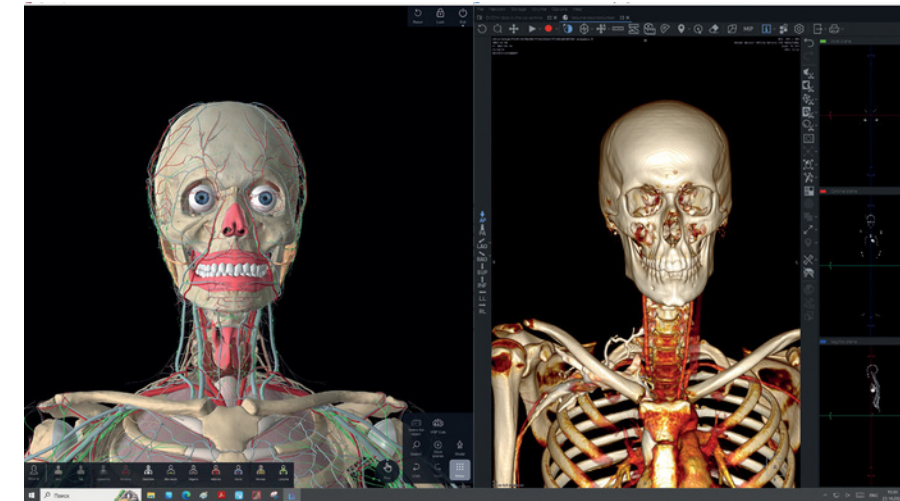


ATLAS OF ANIMAL ANATOMY Most comprehensive 3D Animal Anatomy Atlas — modern solution for effective, visual anatomy education in natural science universities and colleges. Suitable for education in schools.

Comparative module — phylogenetic comparative anatomy across species. A true treasure for comparative anatomists. Interactive 3D models vividly demonstrate animal anatomy, significantly simplifying understanding for students of all levels.



DICOM VIEWER WITH 3D RECONSTRUCTION, OPTIMIZED FOR THE ANATOMY TABLE



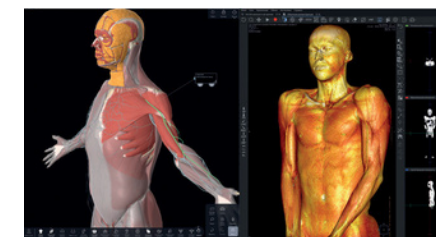
View images: PET, CT, MRI, X-Ray, Ultrasound

Advanced multi-plan 3D Reconstruction

Adding Markers and Marker lines

Virtual Endoscopy

Compare with 3D Model in Anatomy Atlas



AUTOPSY SIMULATION MANIKINS

Immersive Manikins — practice and consolidate knowledge with hands-on experience in Pirogov Ecosystem

WHAT'S INSIDE? Realistic simulation of human body dissection. Two body types: male + female. Normal + pathology — organs in healthy and pathological states for autopsy simulation and anatomy studies.

NEW! IMMERSIVE COMBINING OF MANIKIN WITH VIRTUAL 3D ANATOMY

QR codes placed on anatomical manikins providing access to the Extensive 3D Human Anatomy Atlas 80+ pre-installed immersive 3D models of corresponding organs and systems.

Students achieve spatial understanding of organ relationships. Teachers deliver clearer explanations of disease progression and treatment.





ARCTURUS TECHNOLOGY SOLUTIONS

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