

VETROVIZ™

Redefining Veterinary Anatomy

— ADVANCED ANATOMICAL LEARNING FOR —

VETERINARY EDUCATION



Experience multi-species 3D anatomy, touch-based dissection, diagnostic imaging, and real veterinary clinical cases on a single immersive platform, built for modern veterinary institutions.

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A Next-Generation Digital **Veterinary Skill Lab**

Vetroviz delivers a future-ready veterinary learning ecosystem by seamlessly integrating **gross anatomy, histology, histopathology, diagnostic imaging, embryology, applied anatomy, and clinical cases**. Designed with academic experts, veterinary clinicians, and educators, Vetroviz ensures **anatomical accuracy, clinical relevance, and curriculum alignment** across veterinary programs.

Core Learning Modules

What Do **We Offer?**

A complete collection of 3D academic and clinical modules designed to elevate veterinary education through immersive, interactive learning.

ANATOMY & CORE SCIENCES



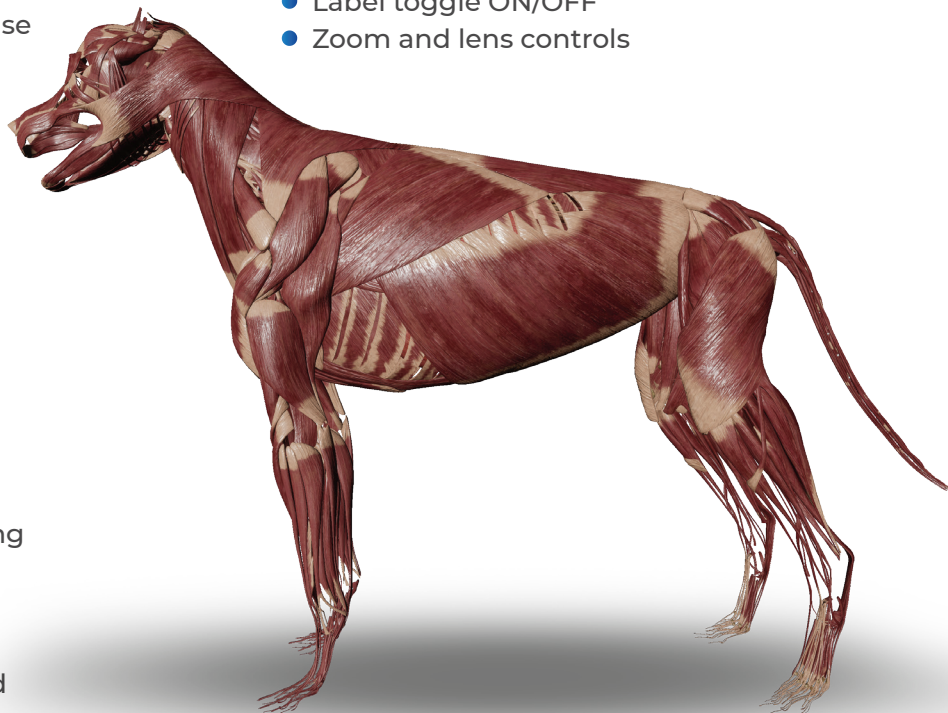
Gross Anatomy (Multi-Species)

- Detailed 3D anatomy models of **up to 10 animal species: Dog, Horse, Cat, Cow, Pig, Rabbit, Guinea Pig, Rat, and Poultry**
- Realistic **layer-by-layer anatomical exploration**
Comprehensive system-wise nomenclature:
 - Skeletal system
 - Articular system
 - Nervous system
 - Lymphatic system
 - Cardiovascular system
 - Respiratory system
 - Digestive system
 - Endocrine system
 - Urogenital system
 - Muscular system
 - Fascia
 - Integumentary system
- Visibility slider for structured stepwise learning
- Advanced **virtual scalpel tools**
- Sectioning in **Transverse, Sagittal, and Coronal planes**
- Enable / Disable X Ray Mode
- Custom Window Dissection



Histology

- **100+ high-resolution virtual slides**
Categorized by tissue type and magnification
- Accurate microscopic labeling with descriptions
- Interactive features:
 - Manual pinning
 - Label toggle ON/OFF
 - Zoom and lens controls



Histopathology

- 300+ high-resolution slides, including hematology
- Comparative study of normal vs pathological tissues
- Enhances disease identification and diagnostic understanding

DEVELOPMENTAL & RADIOLOGICAL BASIS OF APPLIED ANATOMY



Diagnostic Imaging

- Consists of multiple modalities:
X-Ray | CT | MRI | Ultrasound
- Anatomical visualization across:
 - Transverse
 - Sagittal
 - Coronal planes
- Region-wise imaging for anatomical correlation
- 1000+ Clinically Relevant Veterinary Pathology Cases
- Case-based learning with annotated findings



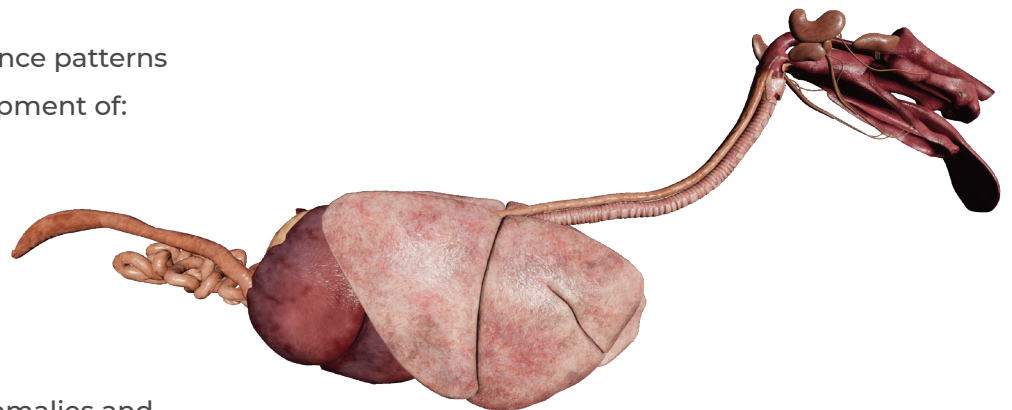
Applied Anatomy

- Regional applied anatomy with species-specific landmarks
- Visualizes clinically important nerve pathways
- Demonstrates veterinary nerve block techniques
- Shows injection sites, nerve trajectory, and desensitized regions
- Supports OSPE preparation and safe clinical practice



Embryology

- Multi-species development from **fertilization to birth covers:**
 - Cell division & tissue formation
 - Organogenesis
 - Genetics and inheritance patterns
- Species-specific development of:
 - Nervous
 - Cardiovascular
 - Musculoskeletal
 - Respiratory
 - Digestive
 - Urogenital
 - Sensory systems
- Includes congenital anomalies and OSPE-oriented learning



CLINICAL CASES



Clinical Case Studies

- **500+ veterinary clinical case studies**
 - Covers all major species and anatomical regions
- Categorized by veterinary specialties
 - Each case includes:
 - Gross anatomy images
 - Real clinical photographs
 - Radiological scans (X-ray, CT, MRI, Ultrasound)
 - Pathology visuals
- Voice-assisted guided case explanations
- Builds diagnostic accuracy and clinical reasoning



Quizzes & Evaluation

- **1000+ interactive quizzes**
- Aligned with veterinary syllabus
- Tracks learning progress and knowledge gaps



DICOM Viewer

- Advanced integrated DICOM visualization
- Supports CT, MRI, Ultrasound, and X-Ray data
- Enables multi-planar reconstruction and 3D rendering
- Upload external DICOM data via USB

Why Choose **Vetroviz?**

Purpose-built for **veterinary education**



Multi-species learning on a single platform



Integrates anatomy, imaging, pathology, and clinical cases



Reduces dependence on physical specimens and multiple lab models



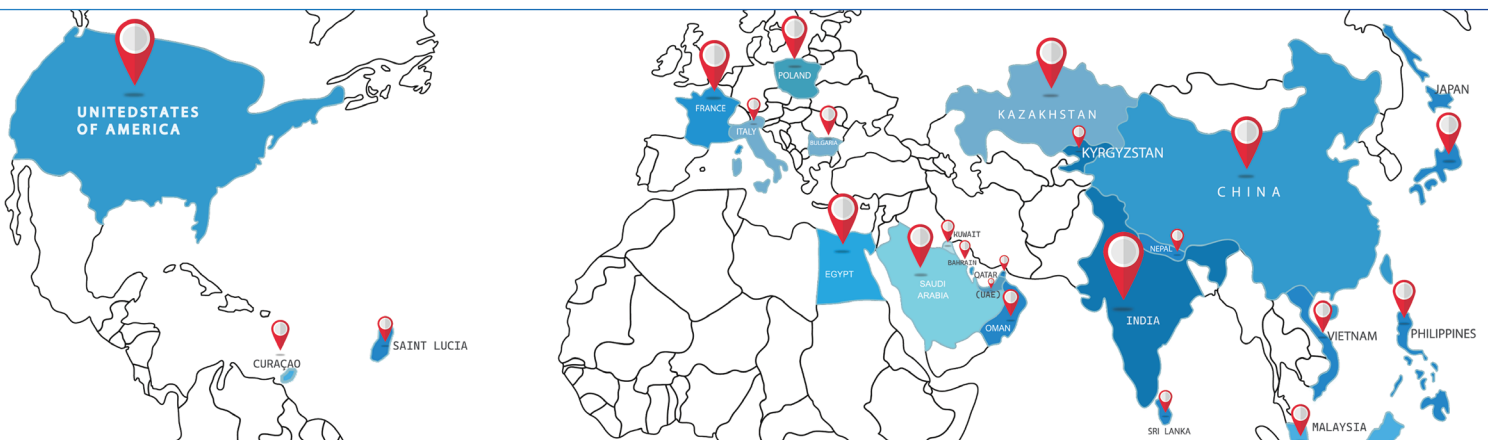
Enhances concept clarity, diagnostic skills, and clinical confidence



Ideal for:

- Veterinary Colleges
- Teaching Hospitals
- Skill Labs
- Simulation Centers

OUR PRESENCE



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