

# Cyber-Anatomy MedVR™ is the highest quality visual and interactive software for learning anatomy in 3D.

Building upon the award winning Cyber-Anatomy Med™ software application, Cyber-Anatomy MedVR™ enables users to view the human body in stereoscopic 3D, perceiving spatial relationships like never before. The system is built on **advanced engineering** and **simulation technologies**.

Cyber-Anatomy 3D models are medically accurate and present the latest in technological advancement. Anatomists and medical doctors have worked over the past 5 years to **ensure fidelity to human anatomy**.

[www.Cyber - Anatomy.com](http://www.Cyber - Anatomy.com)

## Interactive in 3D

Employing camera functions such as zoom, rotate, pan, and walk, the user is able to examine and manipulate the scene. The user can peel or hide anatomical structures in to reveal obstructed objects.

## Labels

Over 13,500 anatomical labels are provided, based on the Anatomica Terminologia standard.

## Searching

A powerful search engine is provided to manage access to the internal database. Searches may yield CT/MR images, illustrations, anatomical objects, landmarks, and other relevant 3D models.

## CT/MR Imaging

With 10 sets of CT/MR scans (over 750 images) correlated to the appropriate position in the body, a user can browse various scans and learn the interpretation and relation of a scan with respect to the body.

## Visible Human cross-sections

Over 25,000 cryosection images (cryogenic cross-section) of representative male anatomy are provided for correlation to the 3D model. These sectional images are provided courtesy of the US National Institutes of Health.

## Presenter

Our Presenter feature allows instructors to construct, save, and play back detailed sequences of test and images to highlight subtle scientific concepts focused on the human body.

## Quizzing

Embedded quizzing feature challenges student to find anatomical structures and answer multiple choice questions.

## Partnership with Elsevier

Cyber-Anatomy is a proud partner of Elsevier, publisher of the gold standard Gray's Anatomy and Netter Atlas.



## Software licensing

In addition to Cyber-Anatomy MedVR™, the software is also available for licensing on servers, computers (PC and MAC). Software subscription allows each student to study independently, interact in real time and learn on their own desktop.

## Cyber-Anatomy MedVR™

### System Summary

- Workstation and image generator are inside the main tower with the pre-installed Cyber-Anatomy software. The glasses included with the system are rechargeable.
- The projector is separate, therefore has flexibility in placement on top of a conference room table or hung from the ceiling.



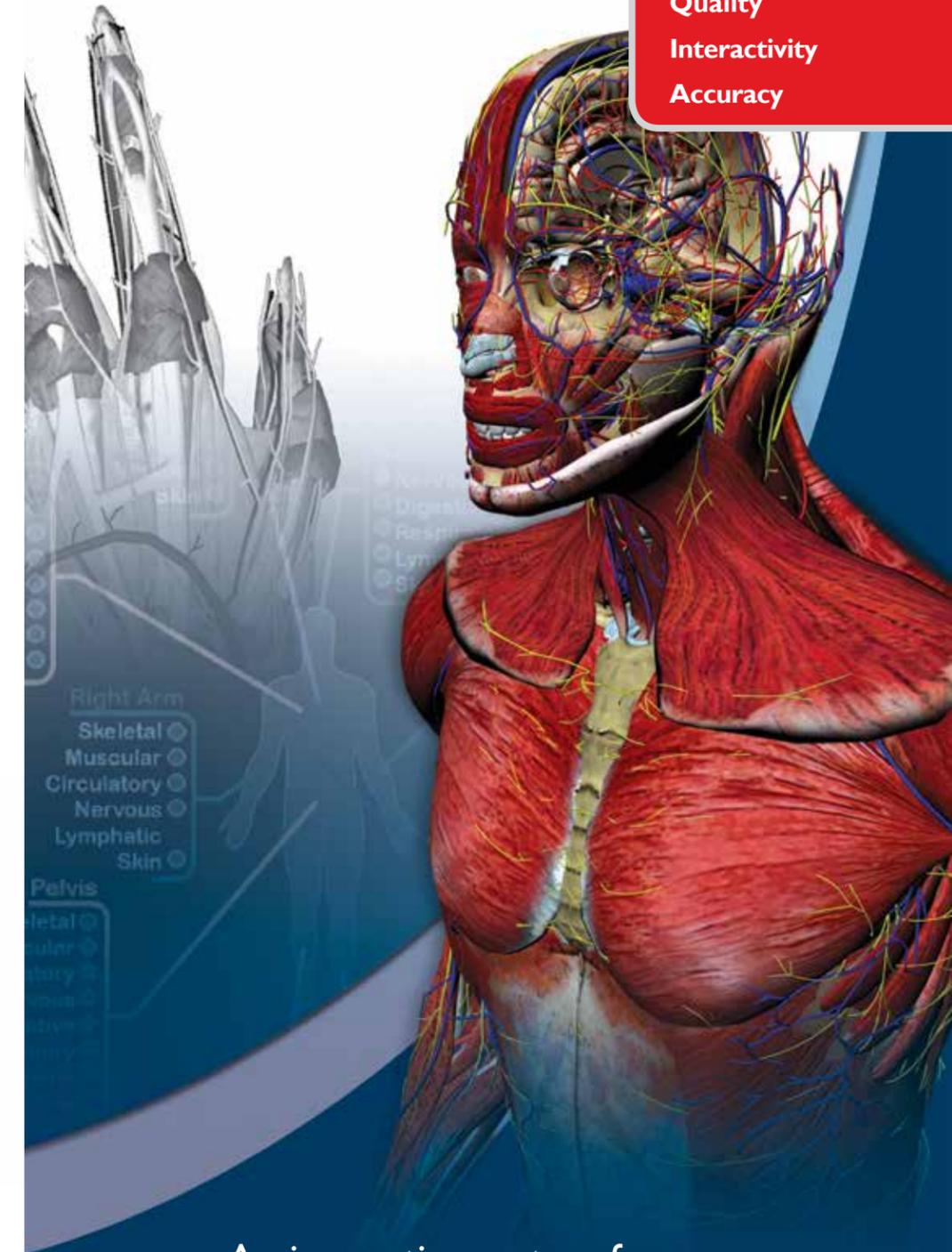
Cyber-Anatomy Inc.  
805 2nd Street, Suite 1  
Coralville, IA 52241  
319.354.2555  
sales@cyber-anatomy.com  
[www.Cyber-Anatomy.com](http://www.Cyber-Anatomy.com)



# CYBER-ANATOMY

## MedVR™

Quality  
Interactivity  
Accuracy



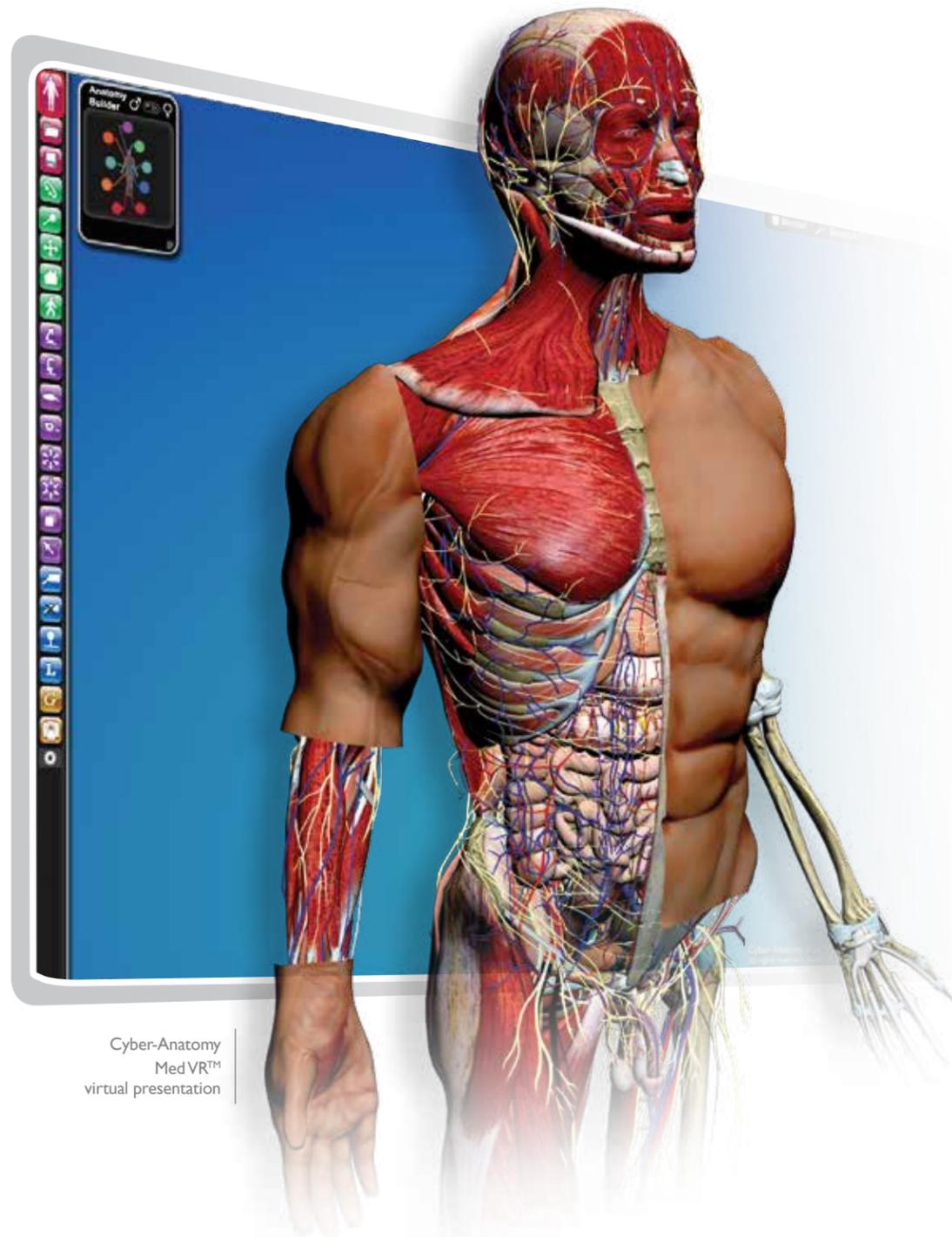
An innovative system for  
**visualizing and interacting with**  
human anatomy in 3D

# Cyber-Anatomy Med VR™ system is an advanced virtual reality turnkey system for learning medical level human anatomy.

Med VR™ offers immersive 3D stereographic technology to enable a user to visualize and interact with detailed anatomy through an intuitive and easy approach.

“As a professor of anatomy for over 33 years, a program of this quality is long overdue! Cyber-Anatomy has the **potential to significantly impact student learning** of human anatomy in a **significant and positive way**.”

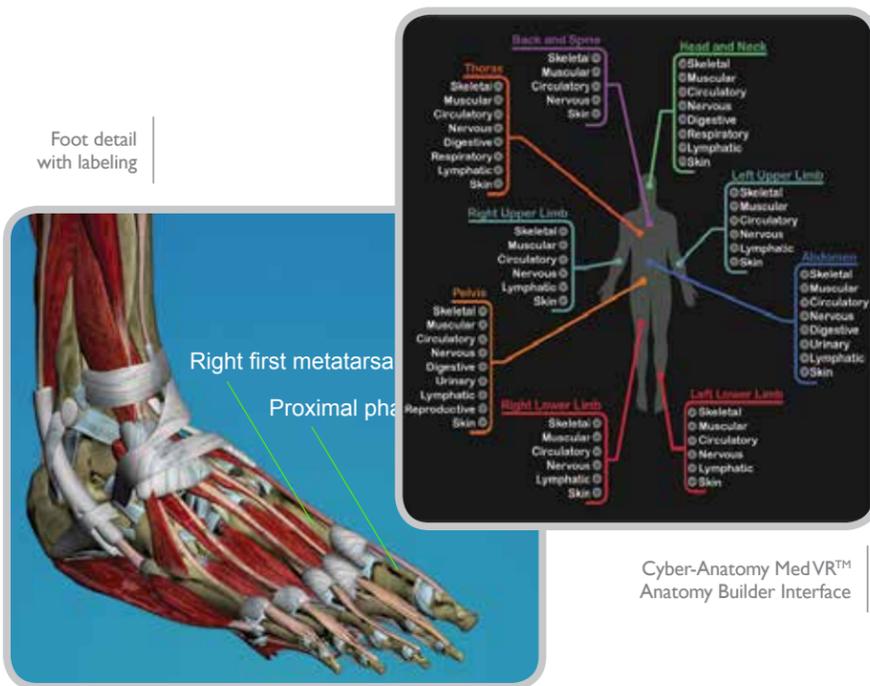
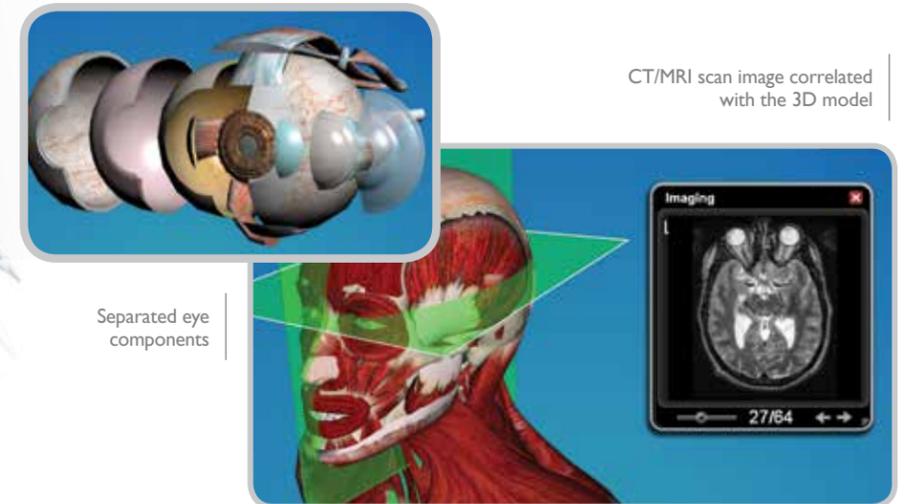
— Robert B. Tallitsch, Ph.D.  
 Professor of Biology, Augustana College Rock Island, IL, USA  
 Author of Human Anatomy, Fourth Edition, by Martini, F.H., Timmons, M.J., and Tallitsch, B., Pearson Publishing.



Cyber-Anatomy Med VR™ virtual presentation

## Key Differentiators

- Visualize in 3D to gain an unsurpassed understanding of spatial relations
- Most accurate 3D anatomical models, validated by medical doctors and anatomy professors
- Both male and female detailed anatomy
- Over 4,300 structures modeled in 3D
- Over 13,500 anatomical landmarks, labeled
- Over 25,000 cryogenic cross-sectional images
- Over 750 CT/MR sections throughout the body
- A variety of interactive tools provide the user with full control of the 3D model
- Hierarchical structures and search function linked to a database of Anatomica Terminologia
- Presenter function enables compilation and playback of detailed sequences of images



Cyber-Anatomy Med VR™ Anatomy Builder Interface

## Realistic Human Body

Every aspect of the human body has been represented in 3D. Our 3D models were created from CT/MR images and actual cadavers, and reviewed by medical doctors and professors of anatomy. A comprehensive effort focused on modeling every anatomical structure larger than 1mm in size, yielding medical level accuracy and detail.

## Anatomy Systems Modeled:

- The Skeleton
- Joints
- Ligaments
- Muscular System/Tissue
- Nervous System/Tissue
- The Brain
- Endocrine System
- Cardiovascular System
- Lymphatic System
- Respiratory System
- Digestive System
- Urinary System
- Reproductive Systems (Male and Female)
- Anatomical Landmarks
- Muscle origins and insertions