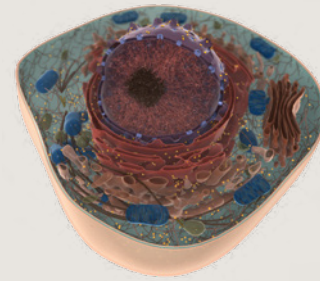# PRIMAL PICTURES

Visualize functions of
cells to systems like never before

ANATOMY & PHYSIOLOGY

Providing comprehensive foundations in function from gross to microanatomy, explore this 20-topic systemic resource filled with interactive models and animations, as well as case studies, clinical content and quizzing.

Suitable across a variety of courses and levels, Primal's 3D Human Anatomy & Physiology is presented in a guided-learning format that builds your knowledge and confidence along a structured journey.

> **The information within the program very closely matched the textbook we were using, so there was a lot of reinforcement of terminology and how we could best get information to the students.**

Kathy Pappas – Associate Professor of Human Anatomy
Springfield College, USA

READ THE CASE STUDY →

This product includes:

Manageable chapters with learning objectives and easy-to-understand interactive text containing thumbnails and links to relevant media content, such as interactive 3D models, narrated animations, and a wealth of microanatomy, histology, and dissection images.

Interactive learning activities that provide a range of extra resources to supplement learning, such as coloring books, click-a-structure activities, and quizzes.

Quiz banks to test your knowledge and progress throughout each chapter and at the end of each topic.

Clinically relevant content covering aging, case studies and common clinical conditions that enable you to apply your knowledge into real-world scenarios.

Favorite, download, share and embed content – facilitating a seamless integration in to other platforms and resources (including your LMS).
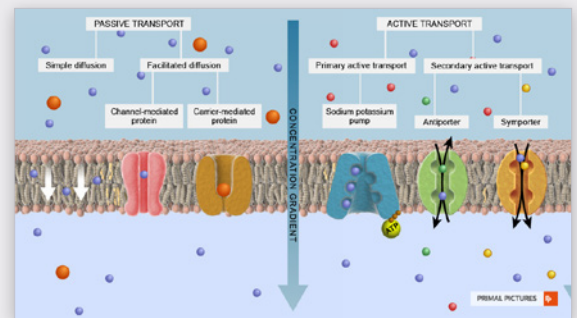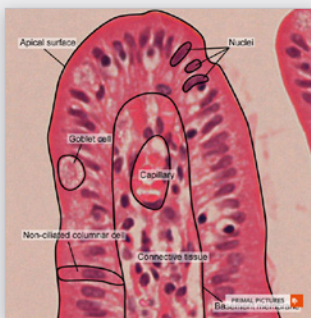
It is perfect for:

■ Learning and aligning to a systemically structured curriculum.

■ Understanding anatomical and physiological structure and function in depth at your own pace.

■ Retaining anatomical and physiological knowledge through quizzes and interactive learning activities.

■ Practicing anatomical terms using a comprehensive audio pronunciation guide.

■ Applying your knowledge to real-world context with dissection images, photomicrographs, relevant clinical correlations, case studies and text on aging.
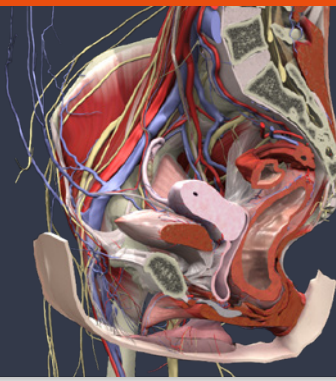

Anatomy & Physiology is included in:

PREMIER PACKAGE

MEDICAL EDUCATION SOLUTION

PT & SPORTS SCIENCE EDUCATION SOLUTION

NURSING & MIDWIFERY EDUCATION SOLUTION

Compatible with **macOS**, **iOS**, **Windows** and **Android**.

PRIMAL PICTURES

Primal's flagship gross anatomy module –
the only atlas you will ever need

3D ATLAS

Covering the entire human body across
9 individual regions, Primal's 3D Atlas of
Human Anatomy provides the highest level
of anatomical accuracy and detail available
anywhere digitally.

From student, to educator, to practitioner,
Primal's 3D Atlas has everything you need to
learn, master and teach human anatomy.

> " I recommend this product to all teachers of
> anatomy as an important tool to illustrate
> your work, and for students as a learning tool
> to show you the human body in a way that
> they would not have seen before.

Dr Stephen Sandler – Senior Lecturer
The British School Of Osteopathy, London

This product includes:

435+
3D Views

Featuring over 435 3D Views,
comprised of thousands of structures,
all reconstructed from real data that
can be layered, zoomed and rotated.
All structures come with in-depth,
highly accurate anatomical text
written by specialists.

700+
MRI images

More than 700 Interactive
labeled MRI images aligned
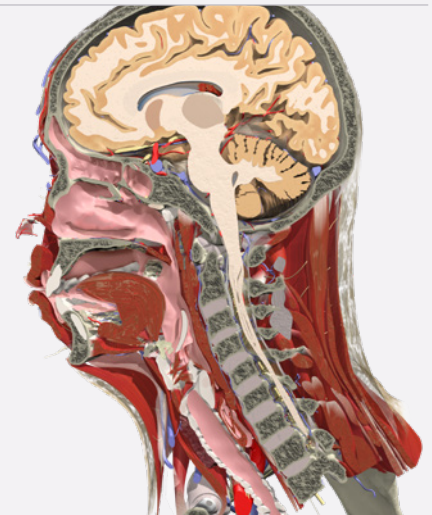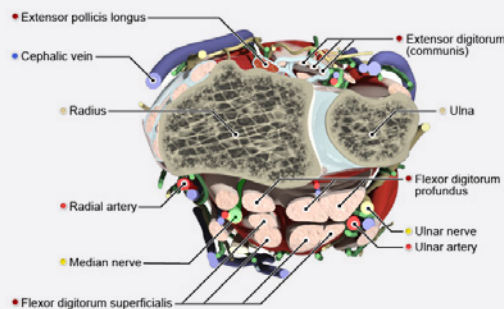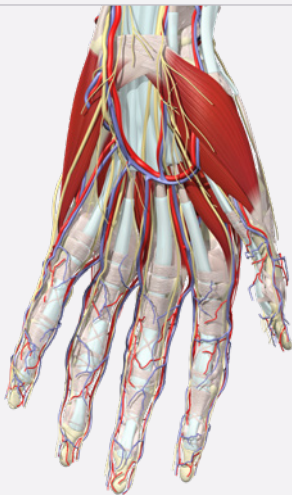with correlating 3D cross-
sectional models in 3 planes.

900+
Library assets

An extensive collection of more
than 900 interactive anatomy,
dissection and clinical slides.

200+
Movies and animations

A huge bank of media content,
including more than 200
surface anatomy movies and
3D biomechanics animations
showing the anatomical basis
of functional movements.

It is perfect for:

- Understanding structure and function of
the human body, with detailed anatomical
text covering every structure.

- Relating your knowledge to lab sessions
and workshops with interactive dissection
images and surface anatomy movies.

- Applying real-world clinical
context with structure specific
pathology text and images.

- Referring MRI to 3D anatomy
with interactive comparisons
and cross-sectional views.

- Enlivening presentations and course materials
and your LMS with interactive models,
prelabeled anatomical illustrations and
movies with save, share and embed features.

- Creating assessment exercises, either for your
LMS or to use in a live setting.

3D Atlas is included in:
PREMIER PACKAGE
MEDICAL EDUCATION SOLUTION

Compatible with **macOS**, **iOS**, **Windows** and **Android**.

PRIMAL PICTURES

Pathophysiology modeled on
the **World's best anatomical model**

DISEASE & CONDITIONS

Disease & Conditions leverage Primal's best in-class anatomy models with expertly written, peer reviewed clinical content to learn anatomy from a clinical perspective.

Either as a companion for the student on a medical ward, or for the clinician explaining a condition to a patient, Disease & Conditions teaches anatomy as it is presented day-to-day.

This product includes:

88
Clinical conditions

In-depth and highly accurate information on 88 clinical conditions written by experts across multiple clinical specialties.

80
Movies

80 focused and concise movies explaining the underlying anatomy and pathophysiology of the conditions.

400+
Slides

400+ labeled slides, featuring both healthy and diseased 3D models.

250+
PDFs

A collection of over 250 pdfs explaining causes, symptoms, and treatments specific to conditions.

It is perfect for:

- Understanding the relationship between anatomy and clinical presentation, with video, slide and written content.

- Teaching in small and large group settings with concise movies that enhance engagement and promote discussion.

- Preparing revision materials or patient education materials with printable PDFs.

- Supplementing your other Primal products with even more clinical content and consistent, high-quality 3D visuals.

- Enlivening presentations, patient education handouts, and course materials with simple-to-use global save, share and embed features.

Disease & Conditions is included in:

Compatible with **macOS**, **iOS**, **Windows** and **Android**.

PREMIER PACKAGE

HEALTHCARE SOLUTION

MEDICAL EDUCATION SOLUTION

NURSING & MIDWIFERY EDUCATION SOLUTION

PRIMAL PICTURES

Primal's ultimate
digital dissection experience

3D REAL-TIME

With a focus on digital and cadaveric dissection, this standout 3D interactive digital anatomy resource gives you ultimate control to explore the human body across all anatomical regions in unprecedented detail, accuracy, and flexibility.

Jump right in or customize and create content to address your specific needs – whether it's learning anatomical relationships in detail, preparing for surgery, or educating patients.

❝ **Primal's 3D Real-Time Human Anatomy software helps me to retain information by way of pictures, easy to read sections, and printable pages that help with my studying.**

Kerianne Beckford – Student
University of South Florida

This product includes:

3D interactive models, reconstructed from real human data, that can be rotated, zoomed, and panned 360 degrees to view from any angle and proximity.

In-depth anatomical text written by specialists and a comprehensive audio pronunciation guide.

Dissection tools allowing you to add, dissect/hide or ghost structures. Single or multiple structures can be viewed in context, isolation, or x-ray examine modes as well.

Edit tools allowing you to label, draw and pin on the 3D models, and create outline coloring books to be printed or shared.

Interactive dissection slides aligned to 3D models and cadaver color mode enabling easy translation of 2D concepts into 3D.

Favorite, share and download features to revisit the content at any time or include in your own platforms and resources (including your LMS).
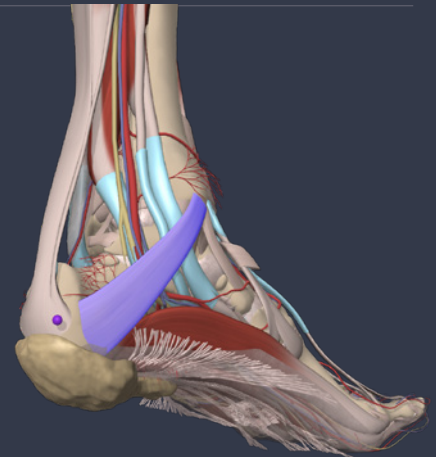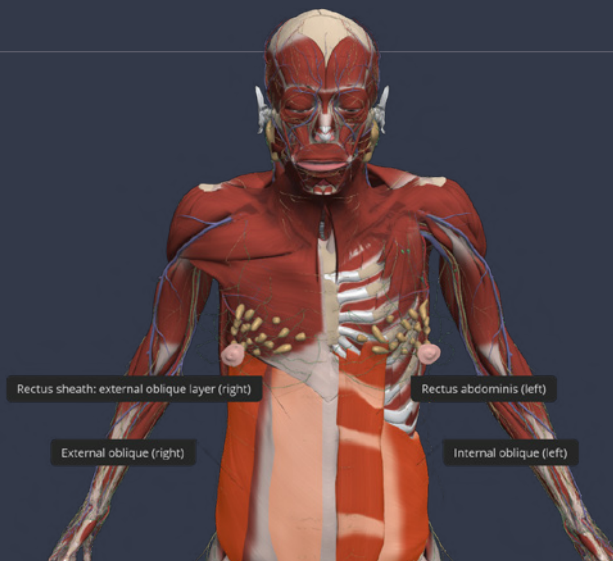
It is perfect for:

■ Customizing anatomical structures to address your specific needs.

■ Preparing for the cadaver lab with interactive dissection images linked to bespoke 3D models.

■ Practicing anatomical terms using a comprehensive audio pronunciation guide.

■ Teaching or sharing tailored 3D models with others, through the save and share features.

■ Seeing anatomy in the real world using the augmented reality (AR) mode on mobile devices.

■ Learning in multiple languages with peer-reviewed and verified Mandarin and Latin translations.

3D Real-time is included in:

Compatible with **macOS**, **iOS**, **Windows** and **Android**.

PREMIER PACKAGE

HEALTHCARE SOLUTION

MEDICAL EDUCATION SOLUTION

NURSING & MIDWIFERY EDUCATION SOLUTION

PRIMAL PICTURES

Pp

Specialty content powered by the
World's best digital anatomical model
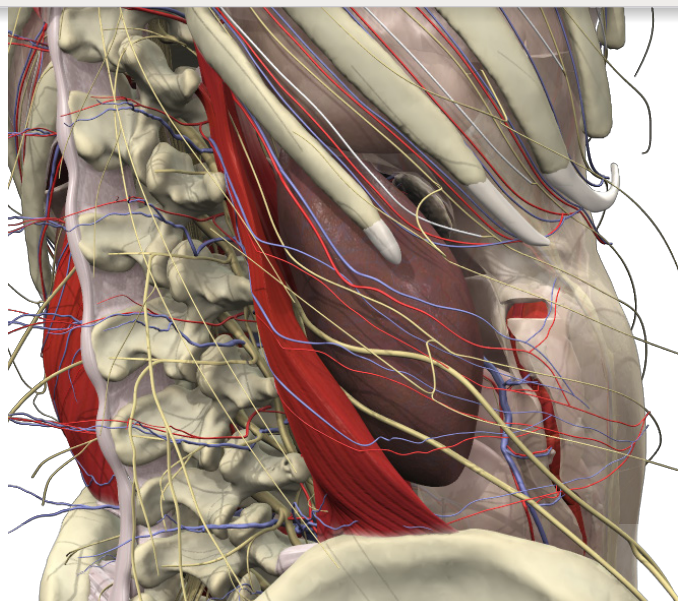
CLINICAL SPECIALTIES SUITE

Primal's Clinical Specialties suite consists of
10 products each designed to give in depth visuals
and knowledge for a given specialty.

Each product can be a stand-alone companion for the
professional or as part of our solution packages for
trainees to progress in their study and career.

> " I've used Anatomy.TV throughout my
> training to remind myself of the anatomy
> to go through in a surgical approach I
> haven't done for a while... I just have a
> quick flick-through on the anatomy to
> make sure I understand it beforehand.
> It's quite reassuring.

Anthony McWilliams
Consultant Trauma and Orthopaedic Surgeon
Barnsley Hospital, UK

READ THE CASE STUDY →

Products within the Suite contain:

- 3D interactive models made from real
  human data. Models come with pre-
  defined layers of anatomy that can
  be added, removed and rotated.

- Animation library displaying functional,
  biomechanics and gross motor
  movements on an interactive 3D model.

- Movie bank featuring clinical and
  surface anatomy movies.

- A large collection of anatomical,
  clinical and dissection slides.

Compatible with **macOS**, **iOS**, **Windows** and **Android**.

- In-depth anatomical and clinical
  text written by specialists.

- 3D cross-sectional models
  correlating with MRI and CT data.[1]

- Interactive learning activities
  and quizzes to improve
  knowledge retention.

- Patient education printouts.

- Favorite, download, share and
  embed features allow the content
  to be used and accessed flexibly
  (including in an LMS).

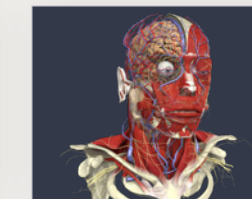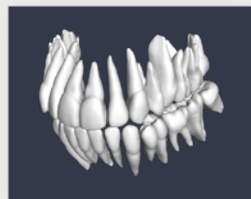## Products included in the suite:

Audiology	Otolaryngology	Speech Language Pathology	Head And Neck: Basic Neuroanatomy	Real-time Dentistry
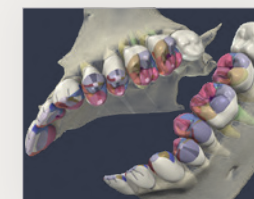
Dental Hygiene	Dentistry	Urology	Pelvic Floor Disorders	Chiropractic Spine
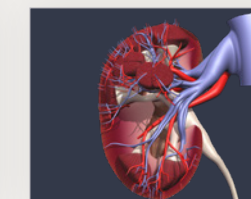
> " The ability to import images,
> the ability to have some true
> human dissection, the radiological
> images, and the ability to look at
> things from multiple perspectives
> have been really important for
> our program.

Kathy Pappas
Associate Professor of Human Anatomy
Springfield College, USA

READ THE CASE STUDY →

It is perfect for:

- Visualising structure and function of
  the human body in depth with detailed
  anatomical text.

- Relating key clinical conditions to
  3D anatomy with comprehensive
  specialist text and integrated clinical
  images and movies.

- Improve patient outcomes with
  customizable patient education printouts.

- Applying real-world context with
  interactive 3D cross-sectional models,
  dissection images, surface anatomy
  movies, and clinical slides and movies.

- Enliven presentations, and patient
  education handouts with simple-to-use
  global save, share and embed features.

[1] Dentistry, Otolaryngology, Head and Neck: Basic
Neuroanatomy, and Chiropractic Spine
[2] Includes Audiology and Speech Language Pathology

The Clinical Specialties Suite is included in:
PREMIER SOLUTION   SPEECH & LANGUAGE EDUCATION SOLUTION[2]

PRIMAL PICTURES

PP
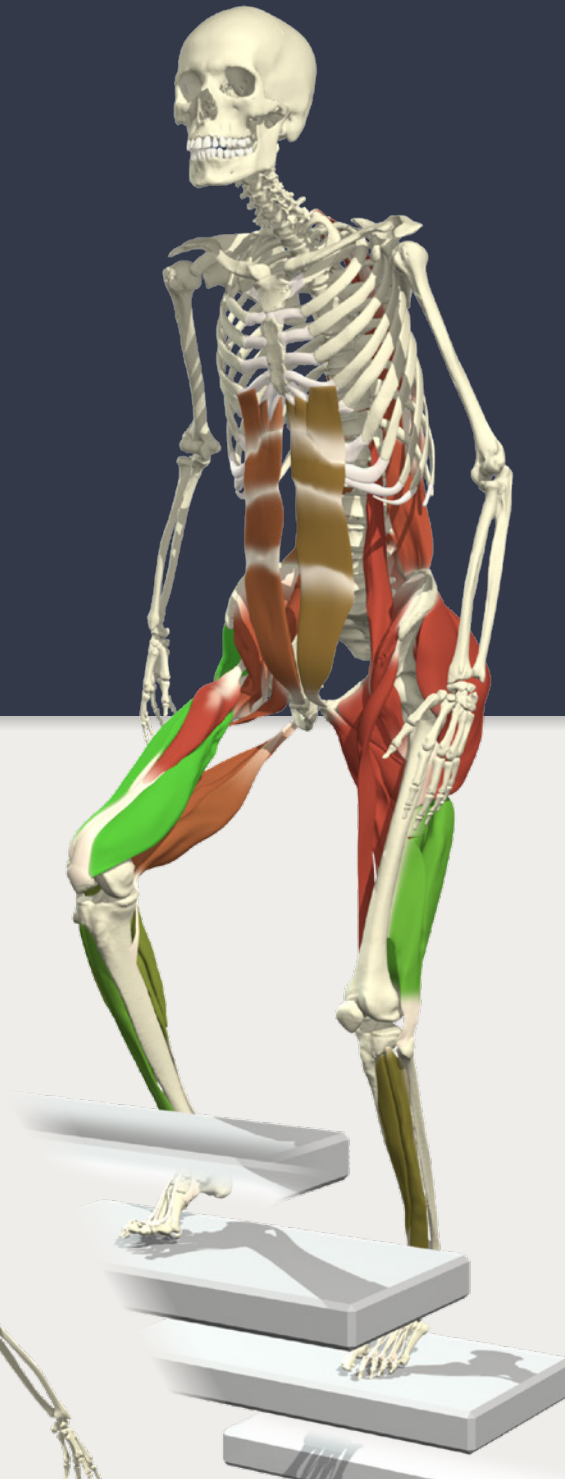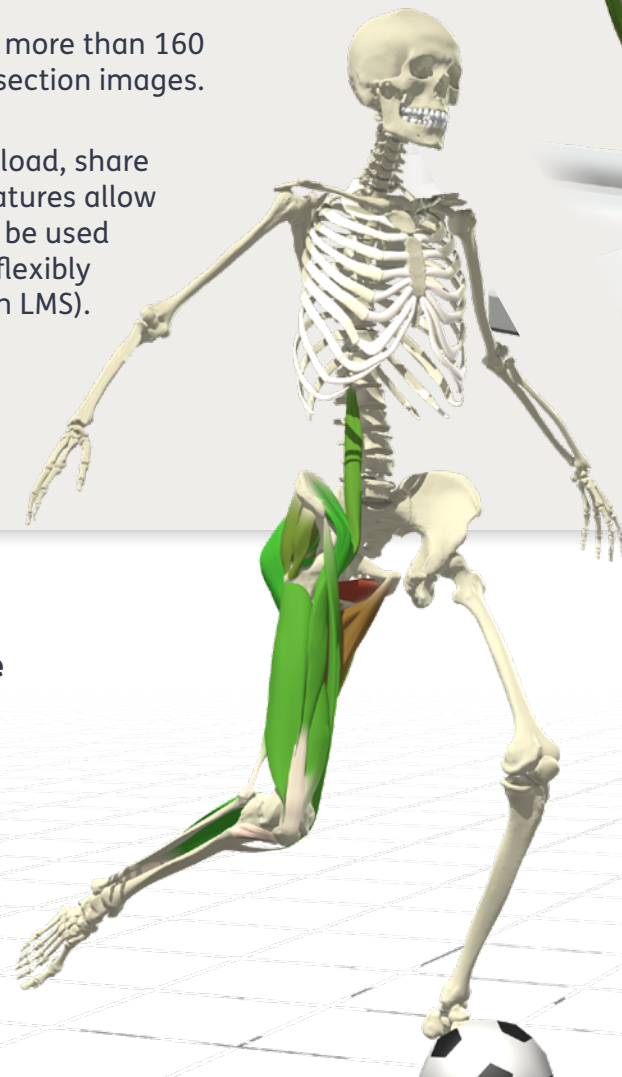
The **best muscle function** products in the World

FUNCTIONAL ANATOMY SUITE

Primal's 3D Functional Anatomy suite is a rich kinesiology resource depicting anatomical movement, function and exercise performance.

Each module can be a stand-alone companion for the professional or as part of our solution packages for trainees to progress in their study and career.

❝ That's where I think Primal Pictures' 3D anatomy is one of the best tools on the market today. It enables you to see the pathology during both the assessment and the treatment phase of manual therapy.

James Waslaski - CEO
**Center for Pain Management**
North Richland Hills, USA

READ THE CASE STUDY →

This suite includes:

- Over 10,000 structures reconstructed from real human data that can be layered, enlarged and rotated in one plane.

- Animation library displaying more than 70 anatomical and gross motor movements with an interactive 3D model.

- Movie bank featuring more than 500 surface anatomy and live action movies in Pilates, Yoga and Resistance Training.

- Clinical and anatomical texts written by specialists.

- A collection of more than 160 interactive dissection images.

- Favorite, download, share and embed features allow the content to be used and accessed flexibly (including in an LMS).

Products included in the suite:
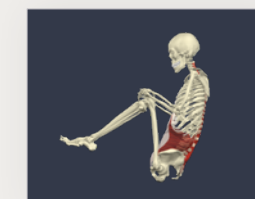
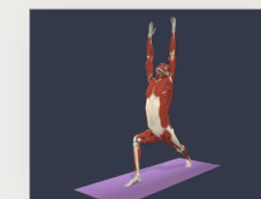**Functional Anatomy**

Resistance Training
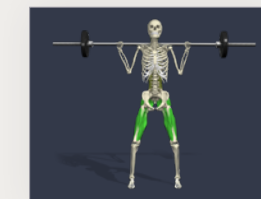
Massage & Manual Therapies
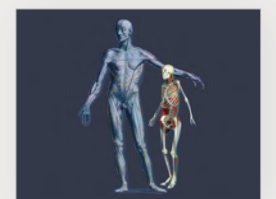
Pilates

Yoga

Anatomy Trains

❝ The functional anatomy series has enabled a rich graphic learning experience about how the muscles in our body work during movement. Furthermore, this is also apparent when teaching about muscle activity during resistance type exercises.

Vincent Singh (MSc MCSP BSc (Hons)
Sport Rehabilitation Programme Leader and
Placement Co-ordinator
University of the West of England

READ THE CASE STUDY →   Compatible with:
macOS, **iOS**, **Windows** and **Android**.

It is perfect for:

- Understanding structure and function of the human body in depth with detailed anatomical text.

- Visualizing and engaging in muscle function with interactive, rotatable 3D animations of muscle movements.

- Applying real-world context to functional anatomy with a collection of exercise movies and animations.

- Enlivening presentations and course materials with downloadable movies of muscle movement, as well as save, share and embed features.

The Functional Anatomy Suite is included in:
PREMIER SOLUTION
PT & SPORTS SCIENCE EDUCATION SOLUTION

A revolution in visualizing movement!

REAL-TIME FUNCTIONAL ANATOMY

For the first time, gain full 360 control of our model in movement. The animations you know from Functional Anatomy have now been rebuilt, refreshed and imported into the flexible technology of Real-time. Explore anatomy and study animated movement from any angle. Visualize core anatomical movements, testing positions and gross motor movements such as running. Layer the anatomy while in motion, from superficial musculature right down to the ligaments. Learn, teach and experience movement like never before.

WATCH A PREVIEW VIDEO →

Real-time Functional Anatomy is perfect for anyone who requires an understanding of movement, and includes additional tools specifically relevant to Physical and Occupational Therapy studies. We've combined the unparalleled accuracy of the Primal model with the latest technology – bringing movements to life in unprecedented detail.

This product includes:

- **Testing positions + range of movement:** Standard physiotherapy testing positions (plus the option to turn a virtual goniometer off and on), increasing clinical relevance by providing tools specific to PT requirements.

- **100+ movements:** A peerless selection ranging from whole body movements like jogging or running upstairs, to more regionally specific movements involving specific muscle groups.

- **Flexible views:** View movements from any angle or level of zoom, edit visible structures and ghost out individual muscles to see what structures are doing underneath.

- **Ligaments!** For the first time, we are adding ligaments to our visualizations. This provides an unprecedented opportunity for students to gain a deep understanding of the role that ligaments play in movement.
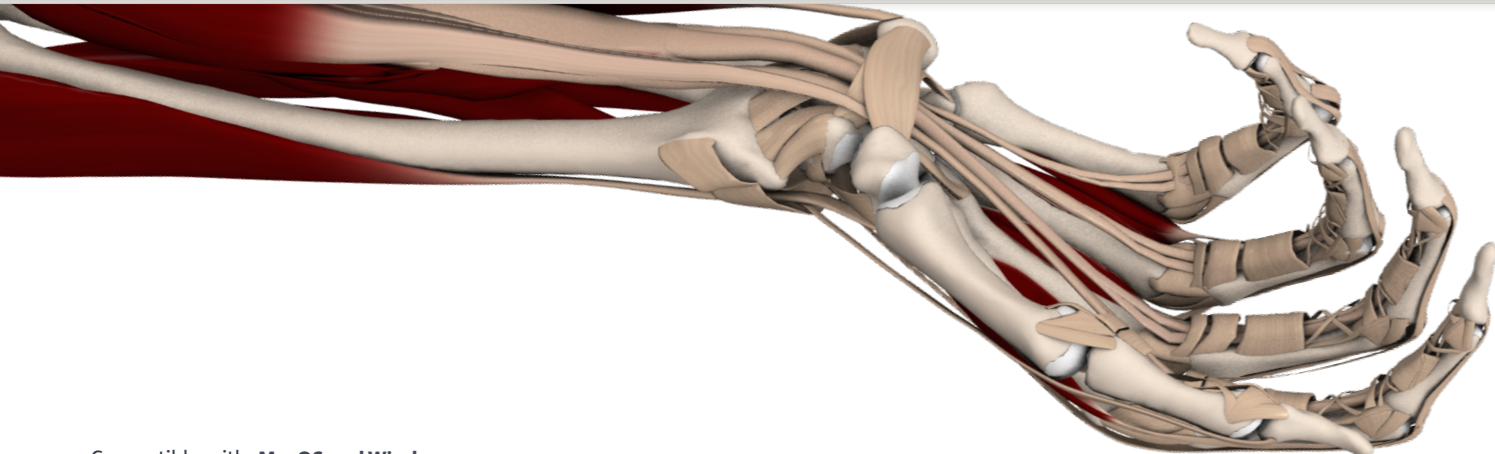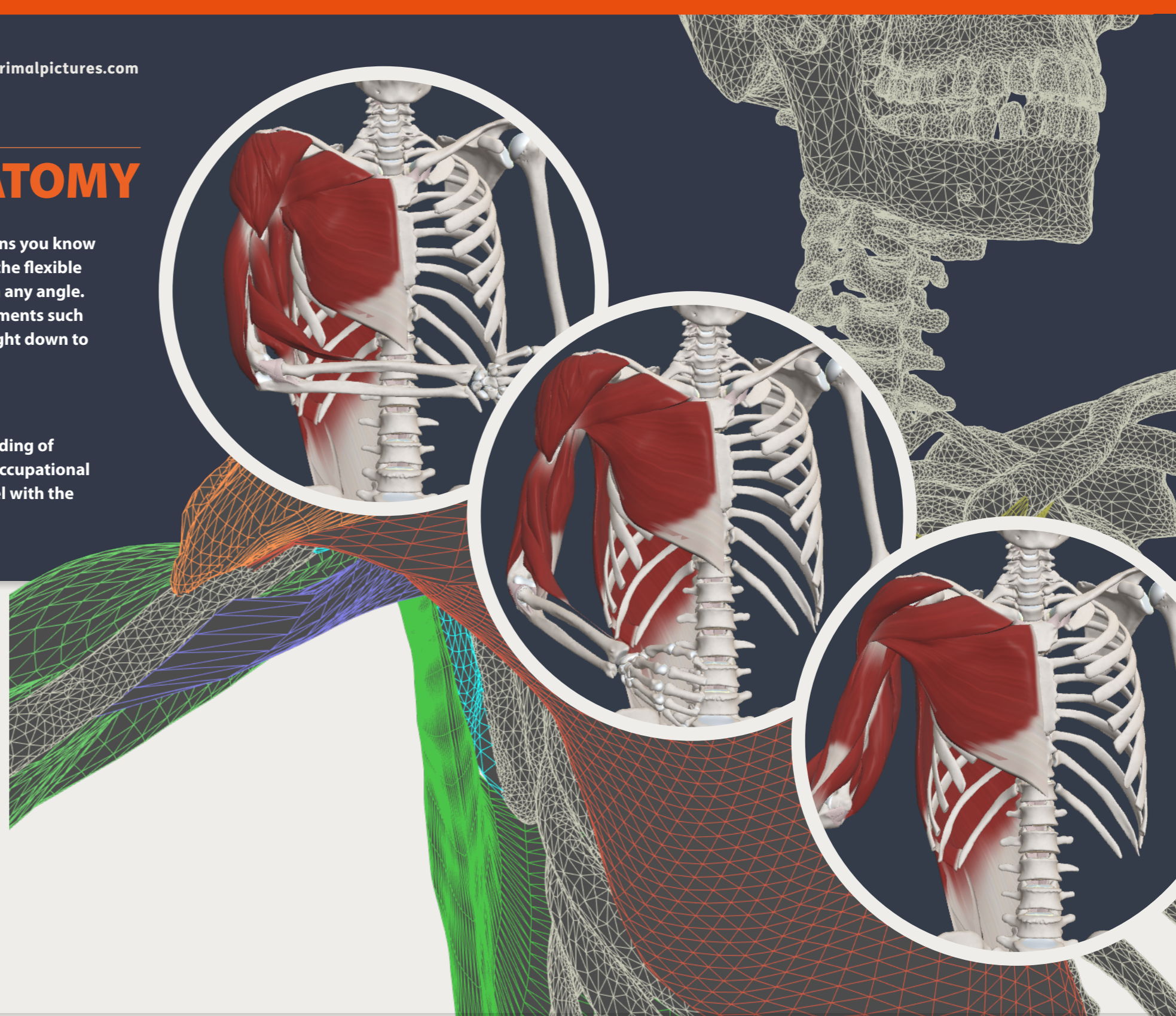
It is perfect for:

- Visualizing movements and building understanding of the musculoskeletal system

- Understanding the role of ligaments in movements

- Surgical planning

- Learning about goniometer placement and positioning, and the normal range of motion for each joint

Real-time Functional Anatomy is included in:
PREMIER SOLUTION
PT & SPORTS SCIENCE EDUCATION SOLUTION

Compatible with: **MacOS and Windows.**

REAL-TIME FUNCTIONAL ANATOMY

PRIMAL PICTURES

Incredible imaging content for education

IMAGING SUITE

Primal's 3D Imaging suite allows you to travel through hundreds of cross-sectional slices of real anatomy including the upper and lower limb, thorax, abdomen and pelvis. Primal's Imaging Suite will strengthen your grasp of radiology and cross-sectional anatomy.

Beneficial for anyone wanting to translate 2D imaging concepts into 3D. No training is complete without this product.
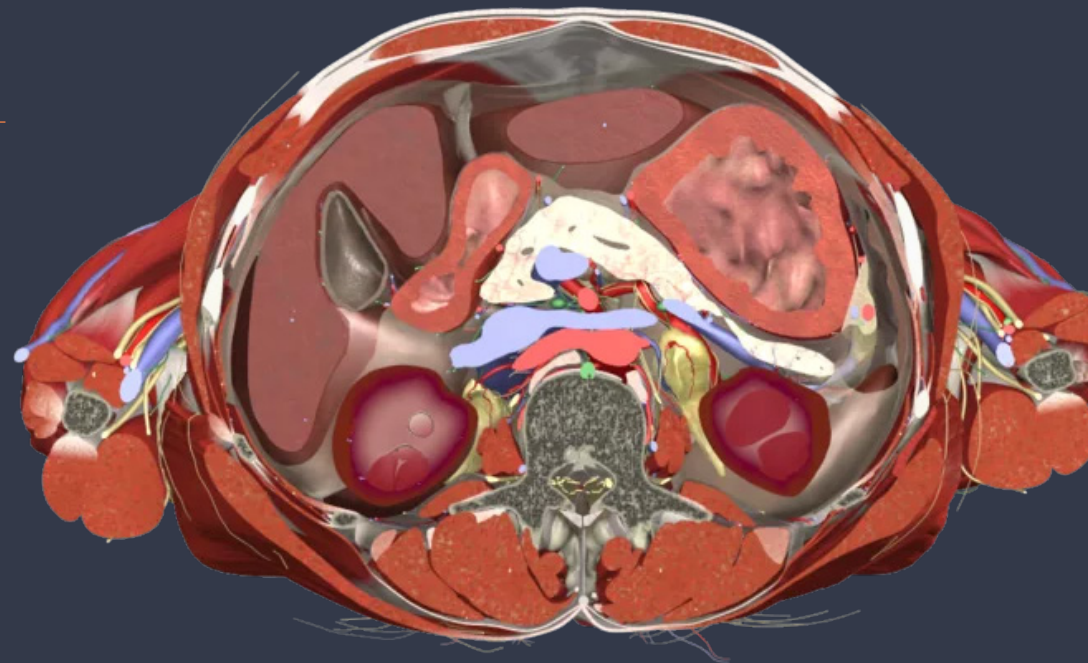
> **I try to refer to Primal's MRIs at those times, so they (students) get a correlation between what they see in the lab, or the cadaver station, with the imaging station.**
>
> **Srinivas Nagaraj Bharadwaj PhD**
> **Associate Professor**
> **Morsani College of Medicine**
> **University of South Florida, USA**
>
> READ THE CASE STUDY →

This suite includes:

- More than 400 interactive, labeled MRI and CT images of the upper limb, lower limb and trunk aligned with correlating 3D cross-sectional models across 3 planes.

- More than 240 bespoke 3D models of the upper and lower limb specially created to show US transducer placement.

- 3D interactive models with thousands of structures reconstructed from real human data that can be layered, enlarged and rotated. All structures come with in-depth and highly accurate anatomical text written by specialists.

- An extensive collection of clinical slides, text and movies authored by experts.
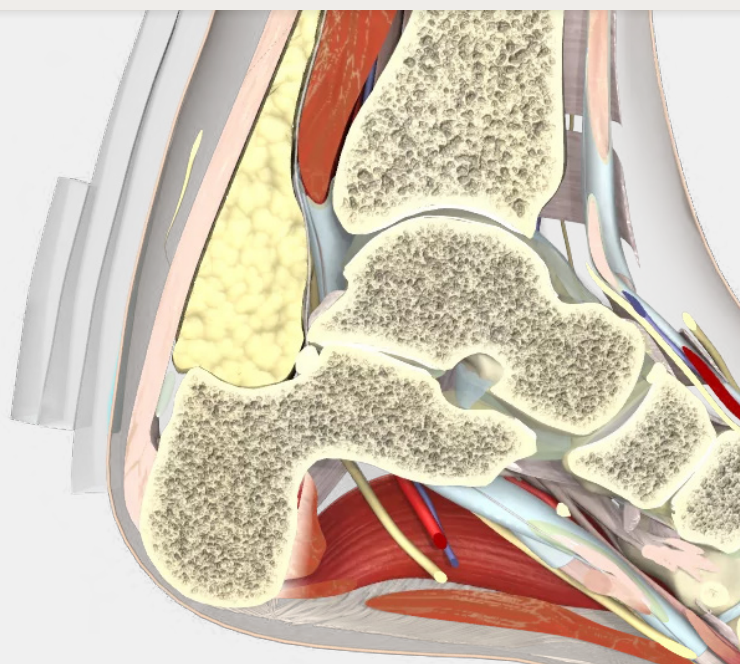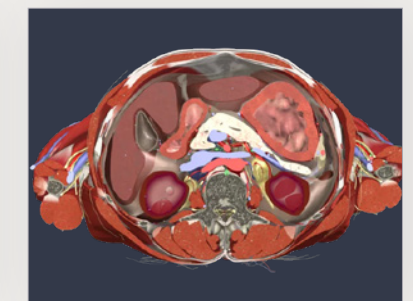
Products included in the suite:

Ultrasound: Lower Limb
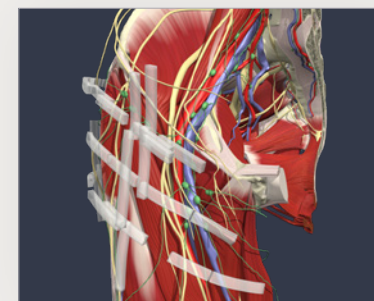
Ultrasound: Upper Limb
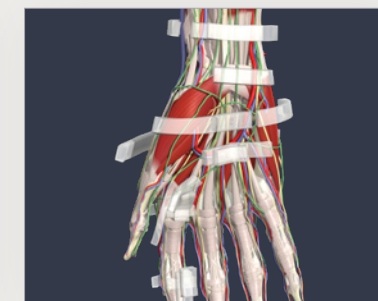
Cross-sectional Anatomy

It is perfect for:

- Mastering cross-sectional anatomy of the trunk with highly detailed and interactive CT and MRI comparisons.

- Easily relating 2D clinical imaging into 3D with specially curated 3D models.

- Understanding structure and function of the human body in depth with detailed anatomical text.

- Applying real-world context with specialist text, integrated clinical images and movies.

- Enlivening presentations, patient education handouts and course materials with the easy-to-use save, share and embed features.

Compatible with: **macOS**, **iOS**, **Windows** and **Android**.

The Imaging Suite is included in:

PREMIER SOLUTION   **MEDICAL EDUCATION SOLUTION**   **PT & SPORTS SCIENCE EDUCATION SOLUTION**

The world's best fully immersive anatomy experience

Primal VR

For an unforgettable immersive teaching and learning experience, Primal VR has married Primal Pictures' best-in-class 3D human anatomy model with cutting-edge virtual reality technology supplied by our partner Curiious.

SEE PRIMAL VR IN ACTION IN THIS VIDEO →

Increase anatomy comprehension, engagement and enthusiasm with a fully interactive, no-compromise virtual reality solution. Primal VR is the only product in its class optimized for the industry-standard wire-free Oculus Quest 2, in addition to many other headsets. There is no better time to dive in and experience it for yourself.
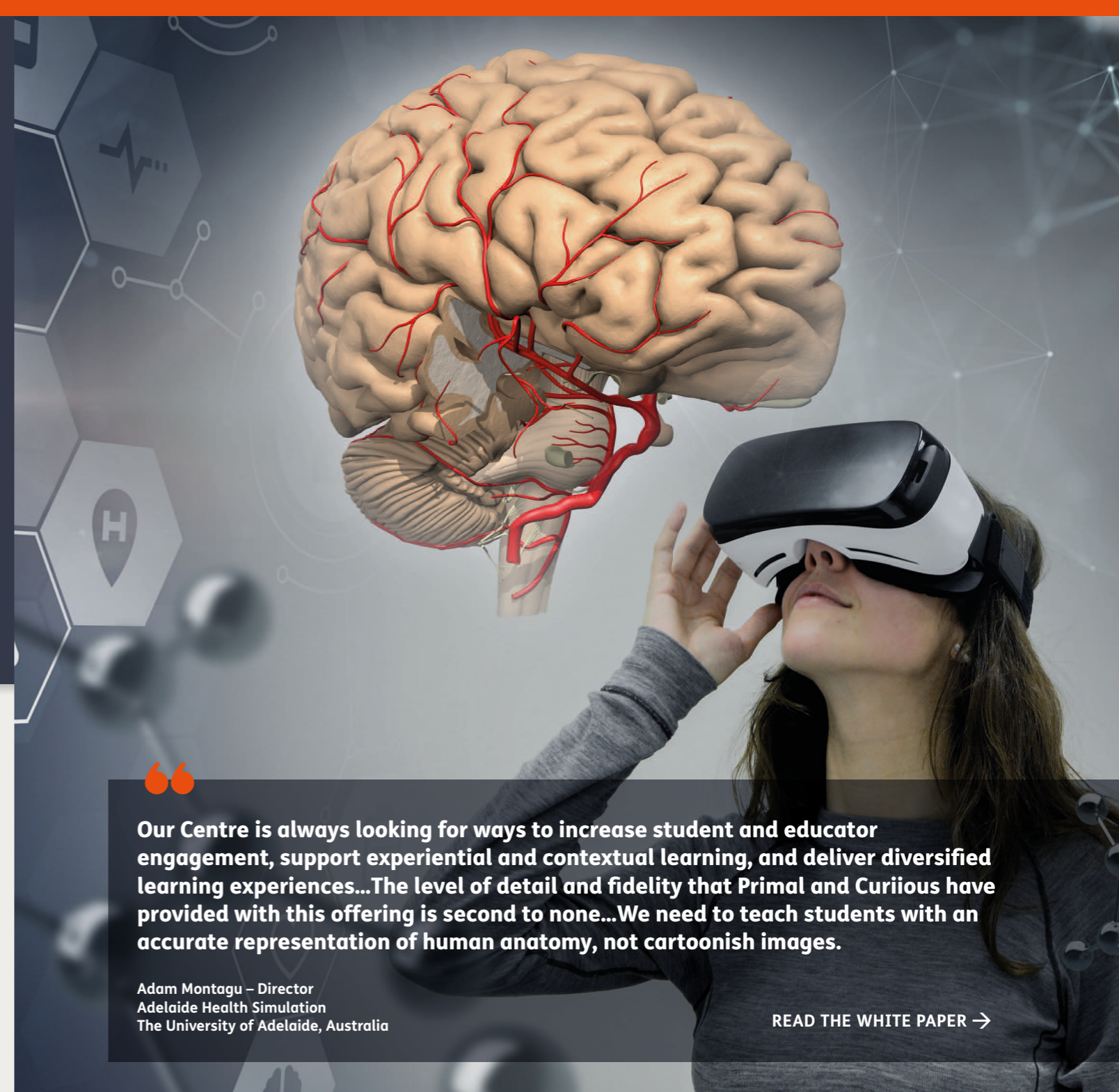
This product includes:

- Primal's 3D interactive anatomy model in a fully immersive virtual environment – manipulate it in 360 degrees by zooming in, rotating and panning.

- Comprehensive coverage of the entire body, with all structures modelled from real human data for unrivaled accuracy.

- In-depth anatomical text written by specialists and an audio pronunciation guide.

- Dissection tools allowing you to add, remove or ghost structures.
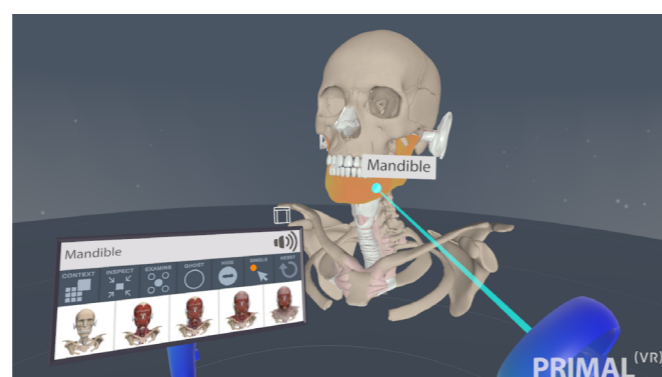
How does immersive technology increase test scores and improve student engagement?

- Reduce information bottlenecks

- Increase performance on skills-based tasks

- Improve knowledge, abstract reasoning, critical thinking and spatial awareness

> **Our Centre is always looking for ways to increase student and educator engagement, support experiential and contextual learning, and deliver diversified learning experiences…The level of detail and fidelity that Primal and Curiious have provided with this offering is second to none…We need to teach students with an accurate representation of human anatomy, not cartoonish images.**
>
> **Adam Montagu – Director**
> **Adelaide Health Simulation**
> **The University of Adelaide, Australia**

READ THE WHITE PAPER →

It is perfect for:

- Increasing engagement, comprehension, excitement and attendance – leading to enhanced assessment outcomes.

- Blended learning environments, providing another touchpoint and new way of approaching the subject matter.

- Educators looking to record narrated lectures with dynamic and engaging visuals.

- Simulating and enhancing the experience of the cadaver lab, before and after live sessions.

- Referring to terms with confidence using the comprehensive audio pronunciation guide.

Compatible with: **Windows**

PRIMAL VR