PRIMAL PICTURES

Help Your Medical Students Understand Exactly What They Need to Know About Anatomy

With the support of 50+ expert presenters from around the world!

Primal Pictures partnered with the Anatomical Society to create a groundbreaking new learning tool: Primal's Anatomy Learning Outcomes for Medicine. A combination of explanatory videos, interactive 3D models, clinical content and self-assessment exercises for understanding everything in the Society's Core Regional Anatomy Syllabus for Undergraduate Medicine – the gold standard in anatomy education.
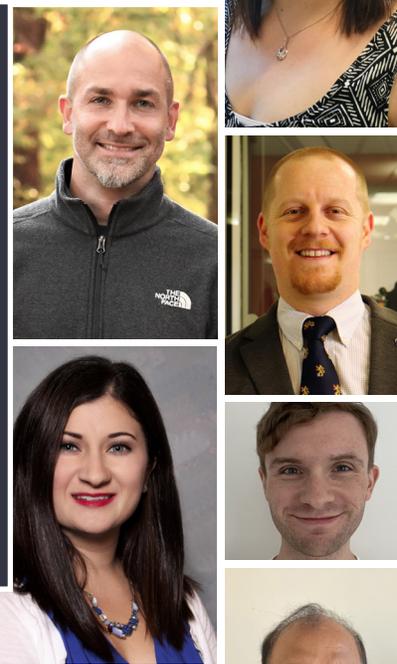
Primal's Anatomy Learning Outcomes for Medicine

Who is Primal Pictures?

Primal Pictures has been at the forefront of anatomy education for over 30 years. We deliver best-in-class digital anatomical solutions that educate and inspire, answering the need for better understanding of human anatomy to promote and advance health science.

Who is the Anatomical Society?

The Anatomical Society, founded in 1887, is a learned society with charitable status. It promotes, develops and advances research and education in all aspects of anatomical science. The Society achieves this by organizing scientific meetings, publishing *Aging Cell* and *Journal of Anatomy*, and making annual awards of PhD studentships, grants and prizes.

❝

Partnering with Primal is a new and exciting opportunity for the Anatomical Society to further anatomical education.

Simon Parson - Anatomical Society President & Regius Chair of Anatomy, University of Aberdeen
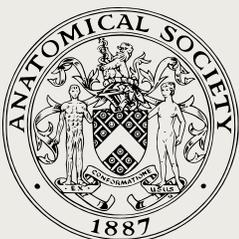
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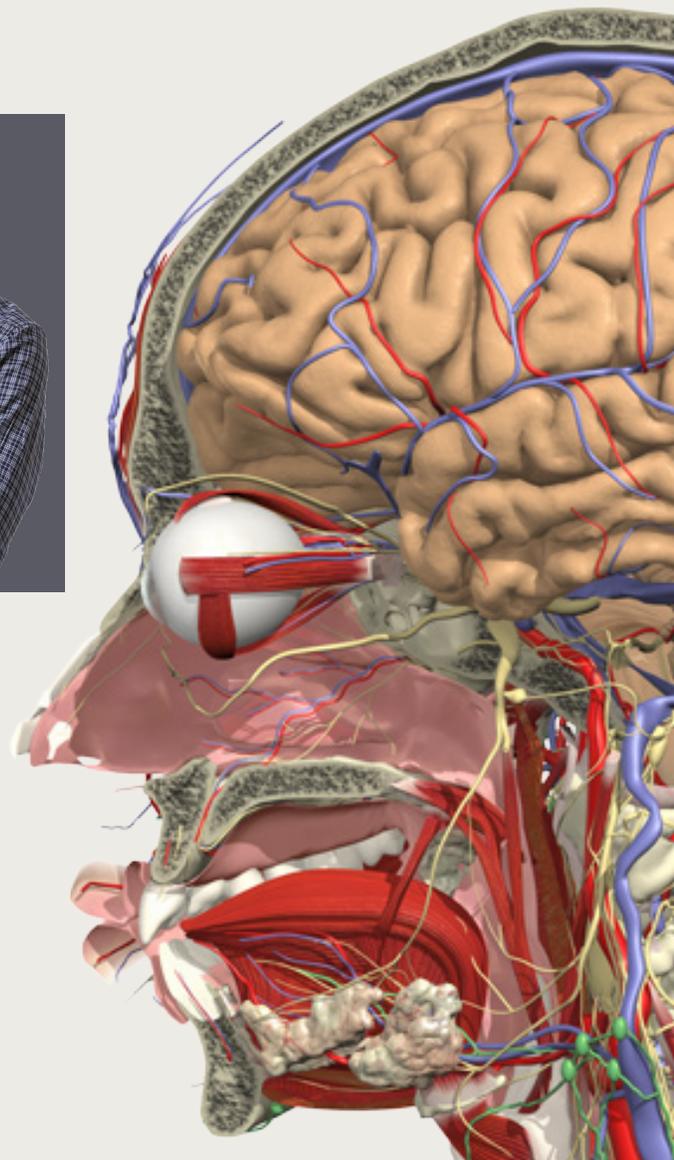
What is the Society's Core Regional Anatomy Syllabus for Undergraduate Medicine?

The Core Regional Anatomy Syllabus for Undergraduate Medicine has been in development for more than 20 years and represents the gold standard in anatomy education, detailing specific anatomical knowledge that doctors require to safely practice medicine.

It sets out a series of 156 learning outcomes that an individual medical student should achieve by graduation. In forming them, the Delphi technique was used to seek a wide consensus from a panel of 39 experts. The learning outcomes are applicable to all medical programs and can be used by curriculum planners, teachers and students alike in addressing the perennial question: "What do I need to know?"

View the full list of learning outcomes here: *Journal of Anatomy*, Volume 228, Issue 1, Pages 15-23.
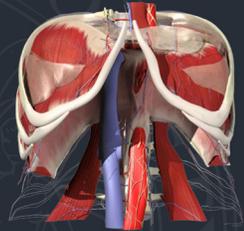
LEARNING OUTCOME
53

Describe the attachments and relations of the diaphragm and the structures that pass through and behind it. Explain the movements of the diaphragm, its motor and sensory innervation and pleural and peritoneal coverings.

Anatomy Learning Outcomes for **Medicine**   Authors +

Anatomical terms	80	Describe the origin, course and function of the axillary, radial, musculocutaneous, median and ulnar nerves in the upper limb.
Head and neck		
Vertebral column	81	Name the major muscles and muscle groups that the axillary, radial, musculocutaneous, median and ulnar nerves supply, together with their sensory distribution. Predict the consequences of injury to these nerves and describe how to test their functional integrity.
Thorax		
Upper limb	82	Describe the anatomy of the pectoral girdle, explain the movements of the pectoral girdle; identify the muscles and joints responsible for these movements. Name the main attachments and nerve supply of these muscles.
Abdomen		
Pelvis and perineum		
Lower limb	83	Describe the factors that contribute to the movement and stability of the gleno-humeral joint and explain the functional and clinical consequences of its dislocation.

Start — Dr. Teresa N. Patitucci, PhD. Associate Professor, Medical College of Wisconsin, USA.

Start — Dr. Marc Pizzimenti, PhD, MA, BEd. Associate Professor, University of Iowa, USA.

Start — Luke Reid, BSc (Hons), MSc, PGCAPHE, FHEA. Lecturer in Anatomical Science, Centre for Anatomy and Human Identification, University of Dundee, UK.

Start — Dr. Manisha Dayal, BMedSci (Hons), MSc, PhD, PGCert. Senior Lecturer In Anatomy, Western Sydney University, AU.

> **The Learning Outcomes give students very specific and quite directed areas in which they can concentrate and learn ... as an adjunct to the classroom ... and makes this enormous subject anatomy a little less daunting.**
>
> Tracey Wilkinson
> **Principal Anatomist and Cox Chair of Anatomy, University of Dundee**

Resource Highlights

All content can be easily shared with students, either by providing a direct link to a specific learning outcome or by embedding the entire learning outcome directly into an LMS/VLE.

156 Explanatory Videos

The videos (one per learning outcome) equate to more than 35 hours of content in total! **50 presenters** from over **30 institutions** across **8 countries** leverage Primal's 3D visuals to demonstrate the anatomy and explain the concepts required to fulfill each learning outcome.
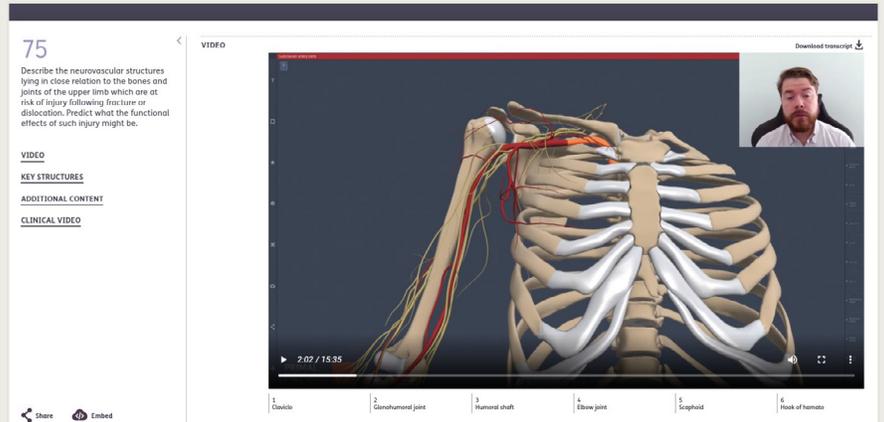

Embedded Interactive 3D Models

Accompanying each learning outcome video, these same models used in the explanatory videos allow concurrent exploration of the anatomy by the student and encourage directed self-learning.
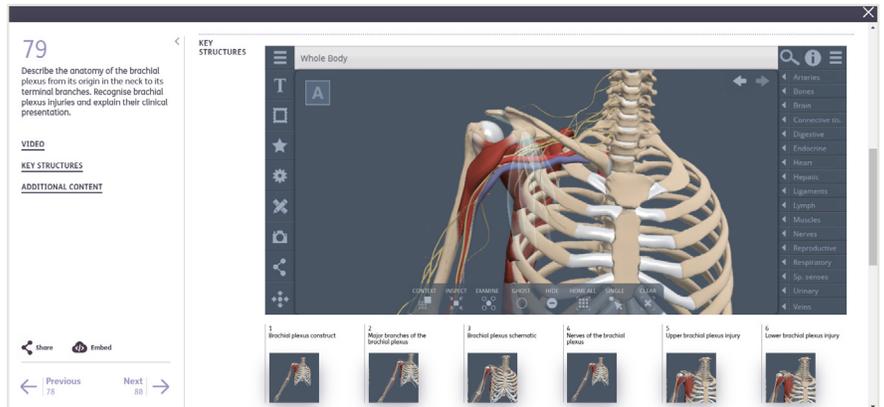
Additional Exclusive Content

Including dissections, imaging, interactive slides, videos and detailed 3D views.
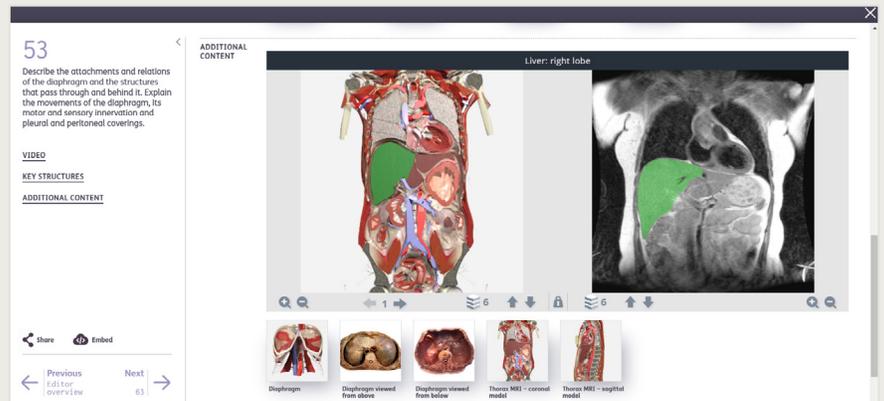
Relevant Clinical Content

Tangible clinical context solidifying the importance and application of learning. From Primal's Disease & Conditions module.
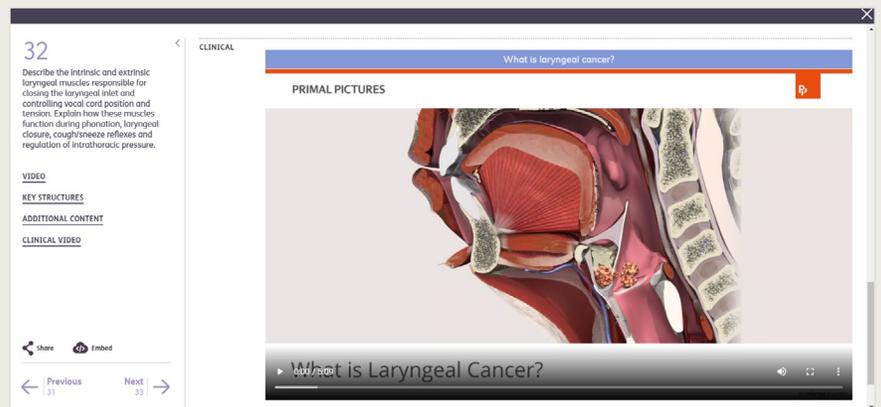
Self-assessment

Each learning outcome includes a set of multiple-choice questions enabling students to track their progress and understanding, with an option to indicate when they have completed the outcome.
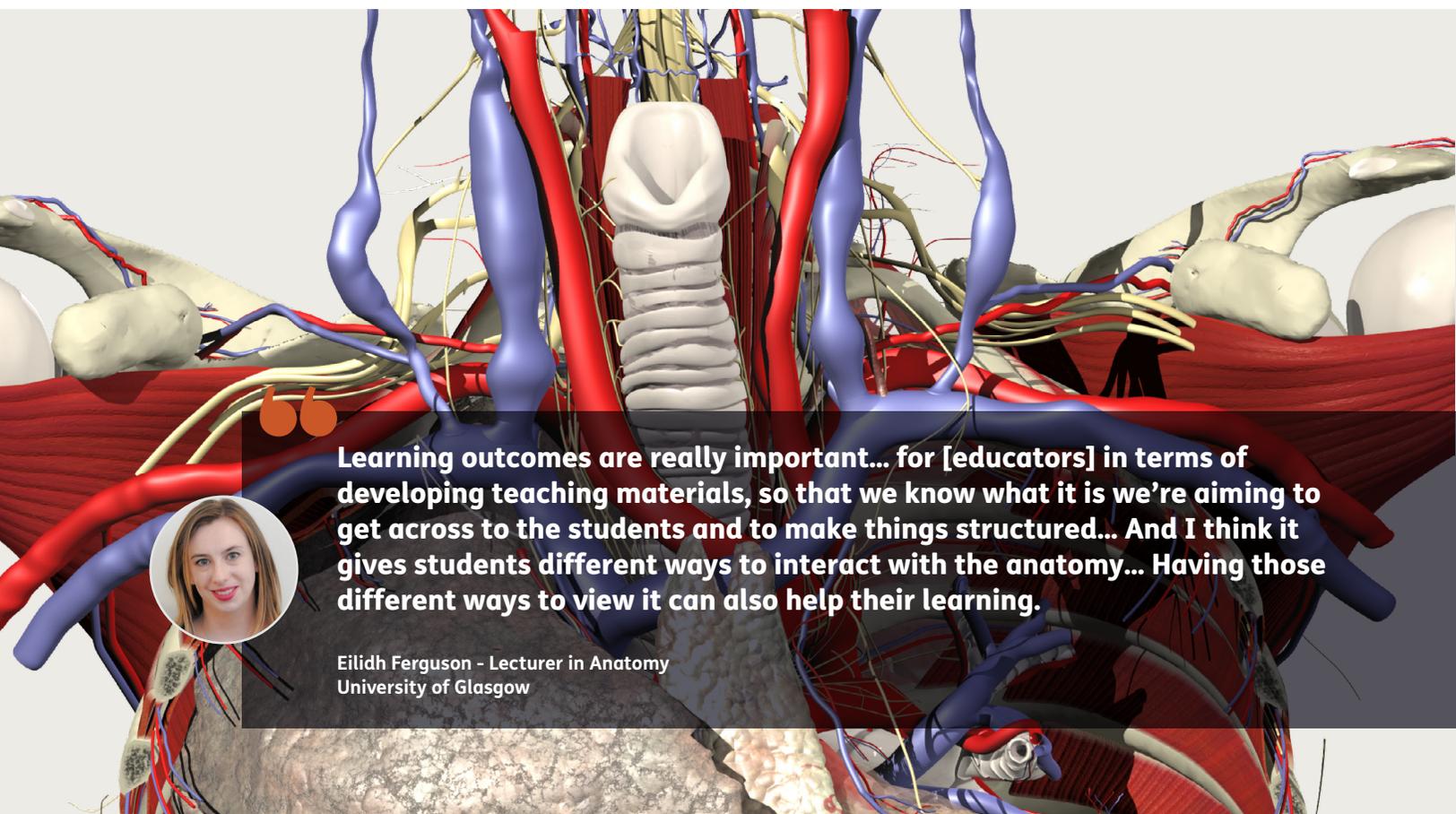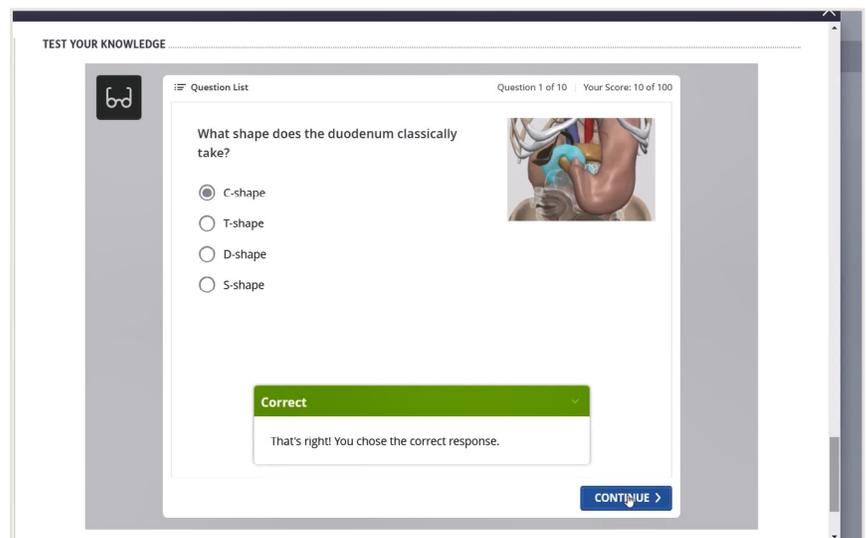
> Learning outcomes are really important... for [educators] in terms of developing teaching materials, so that we know what it is we're aiming to get across to the students and to make things structured... And I think it gives students different ways to interact with the anatomy... Having those different ways to view it can also help their learning.

**Eilidh Ferguson – Lecturer in Anatomy
University of Glasgow**

Advantages for Educators

■ **Less time required for content creation** - Sourcing curriculum-aligned content is time consuming. Give yourself more time to teach those lightbulb moments!

■ **Flipped classroom leading to increased student interaction** - Students can study the relevant learning outcome before class, allowing more time for deep dives beyond the basics and facilitating student discussion and progress.

■ **Vetted content from a trusted source** - Created by experts across the globe and peer reviewed to ensure students learn from a reliable and trusted source.

■ **Learn tips and tricks from your peers** - With 50 presenters from over 30 institutions across 8 countries, this is your chance to see how anatomy is taught around the globe.

> ❝ **It's useful as a faculty member because we're able to use some of the images in our learning materials and they can link and guide the students to the specific aspects of the tool and create this bespoke learning experience.**
>
> Luke Reid - Lecturer in Anatomical Sciences, University of Dundee

Advantages for Students

■ **Remove the noise** - Only the required anatomy for each learning outcome is included, providing the content in short bursts for manageable learning.

■ **Credible content** - It's all too easy to find inaccurate anatomy content on the internet. Primal's Anatomy Learning Outcomes for Medicine is created by experts to ensure you learn from a reliable and trusted source.

■ **Easy to access** - Access all content easily on the Anatomy.tv platform, allowing students to invest time in their own education.

■ **Diverse learning opportunities** - Watch videos from presenters across the globe with different perspectives and teaching styles.
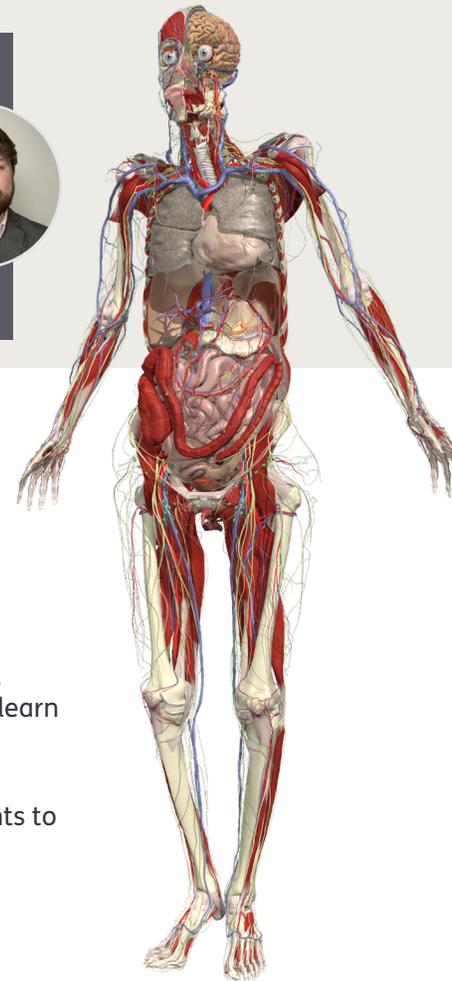
> ❝ **This product bridges the gap between textbook and patient, and enables the individualization of learning to help the learner learn in their own time – at their own pace – and to try to identify their own gaps in their knowledge to try and build a rounded picture of the human form.**
>
> Emily Baxter - Anatomy Demonstrator, University of Liverpool

Meet the Team

Primal Pictures has partnered with the Anatomical Society Education Committee, who kindly formed an Editorial Board (anatsoc.org. uk/Education) to compile a list of experts. 50+ then contributed to the project, including members from the Education Committee.

Editor-in-chief D. Ceri Davies and our Editors guaranteed consistency in detail, ensuring every word in the videos was verified for accuracy and relevance to the medical curriculum.

This incredible resource would be nothing without our amazing team from across the globe – all passionate about anatomy education and all experts in their field.

A full list is provided below, and we thank them all!

Anatomical Terms

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