



Primal Pictures



Quick Start Guide

Anatomy and Physiology Online from Primal Pictures is an excellent resource for learning about the anatomy and physiology of the human body. It covers all the major systems of the blood, reproductive system, etc. There are also rotating 3D images and quizzes to test knowledge.

You can access this database from any computer that is connected to the Internet. Go direct to: <http://bit.ly/1CocEPD> or via the [e-library](#) page of the Library website (<http://library.brooklands.ac.uk>) or via the e-resources page on Moodle.

If you are accessing Primal Pictures from outside College you will need to log in using your Brooklands College log in.

You should now be at the page listing the modules available.

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Modules Search Az Index iPad

Anatomy & Physiology

 BODY PLAN AND ORGANIZATION	 CHEMISTRY	 CELL BIOLOGY	 HISTOLOGY	 INTEGUMENTARY SYSTEM
 SKELETAL SYSTEM	 MUSCULAR SYSTEM	 NERVOUS SYSTEM	 SPECIAL SENSES	 ENDOCRINE SYSTEM
 BLOOD	 CARDIOVASCULAR SYSTEM	 LYMPHATIC SYSTEM AND IMMUNITY	 RESPIRATORY SYSTEM	 DIGESTIVE SYSTEM
 METABOLISM	 URINARY SYSTEM	 FLUID, ELECTROLYTE & ACID-BASE BALANCE	 REPRODUCTIVE SYSTEM	 DEVELOPMENT AND INHERITANCE

To enter one of the 19 modules, simply click on the one you would like to look at. The module will appear in a new window.

Main Viewing Window

The topics in the left hand menu contain detailed information and images about different parts of the module.

You can use the arrows to rotate your image, zoom in and out and add or remove layers and body structures.

The screenshot shows the 'MUSCULAR SYSTEM' module interface. The left sidebar contains a navigation menu with items like Introduction, Microanatomy, Physiology, Contraction, Classification, Actions, Aging, Clinical, Case studies, and Module quiz. The main area displays a 3D anatomical model of a human figure with muscles highlighted. The right sidebar shows the 'MUSCULAR SYSTEM' title, an 'INTRODUCTION' section, and a table of 'PROPERTIES OF MUSCULAR TISSUE'.

Annotations and callouts include:

- Shows which frame you are in:** Points to the 'Frame 3 of 36' indicator.
- Shows which layer you are in:** Points to the 'Layer 13 of 13' indicator.
- Zoom in:** Points to the magnifying glass icon in the toolbar.
- Zoom out:** Points to the magnifying glass with a minus sign icon.
- Rotate left:** Points to the left arrow icon.
- Add layer:** Points to the plus sign icon.
- Remove layer:** Points to the minus sign icon.
- Rotate right:** Points to the right arrow icon.
- Highlight colour:** Points to the color selection icon.
- Print:** Points to the printer icon.
- Save:** Points to the 'Save as PDF' button.
- You can maximise the main viewing window using this icon:** Points to the maximize icon.

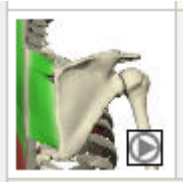
A separate toolbar at the bottom shows icons for: Rotate left, Rotate right, Zoom out, Zoom in, Add layer, Remove layer, Highlight colour, and Print.

You can also use the following functions on the main viewing window:

- Holding your mouse over a structure will bring up a label
- Clicking on that structure will highlight it
- If you select a structure from the key structures list, this structure will be highlighted in the main picture.

Animations

A picture in the anatomy and physiology window with a play icon in the corner identifies an animation. Click on it to load the animation into the main viewing window.



To play the animation, press the play button in the main viewing window. Some animations also have a soundtrack.

Options

The **topic quiz** button in the bottom right corner, will give you access to a short interactive quiz on the selected topic.

The screenshot shows the software interface with several callout boxes:

- Help**: Points to the question mark icon in the top left.
- Search function**: Points to the search bar at the top right.
- Anatomy and Physiology window**: Points to the right-hand pane displaying the 'MUSCULAR SYSTEM' content.
- Click on an image to display visual content in the main viewing window**: Points to an image of a muscle in the 'MUSCULAR SYSTEM' window.
- Topic quiz**: Points to the 'Topic quiz' button at the bottom right.
- Module quiz**: Points to the 'Module quiz' button in the left navigation menu.

The interface includes a navigation menu on the left with options like Introduction, Microanatomy, Physiology, Contraction, Classification, Actions, Aging, Clinical, Case studies, and Module quiz. The main content area shows an overview of the muscular system with a 3D model and a table of properties.

PROPERTIES OF MUSCULAR TISSUE	
Electrical excitability	Electrical excitability refers to the ability of a muscle to respond to stimuli, such as neurotransmitters, by eliciting an electrical signal called an action potential.
Contractile	Contractility refers to the ability of a muscle to shorten in response to an action potential.
Extensible	Extensibility refers to the ability of a muscle to stretch (without injury).
Elastic	Elasticity refers to the ability of a muscle to recover its original shape after contraction or extension.

There is also a longer **module quiz** in the **navigation menu** which will test you on all the topics for the selected module.

The **Anatomy and Physiology** window gives you detailed, written content on your selected topic. Select **Save as PDF** to save the content as a printable .pdf file.

There is a **search** button at the top right of the window. Your search results will be displayed in a box, telling you what type of content has been found. Click on the blue hyperlink to access the content.

Additional **help** is available via the help button in the top left corner of the screen or alternatively contact LRC staff who will be happy to help.