

Primal's 3D Atlas

ON

Desktop

Welcome to our user guide to **3D Atlas** on desktop. Please read on, or select one of the links opposite to jump straight to a particular topic.

Anatomy.tv

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Interacting with the 3D model

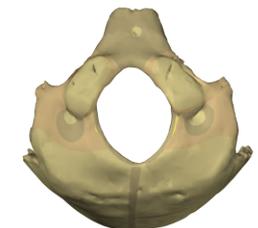
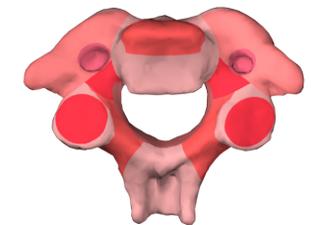
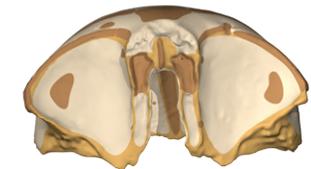
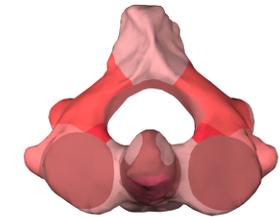
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Main interface

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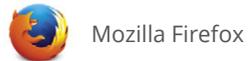
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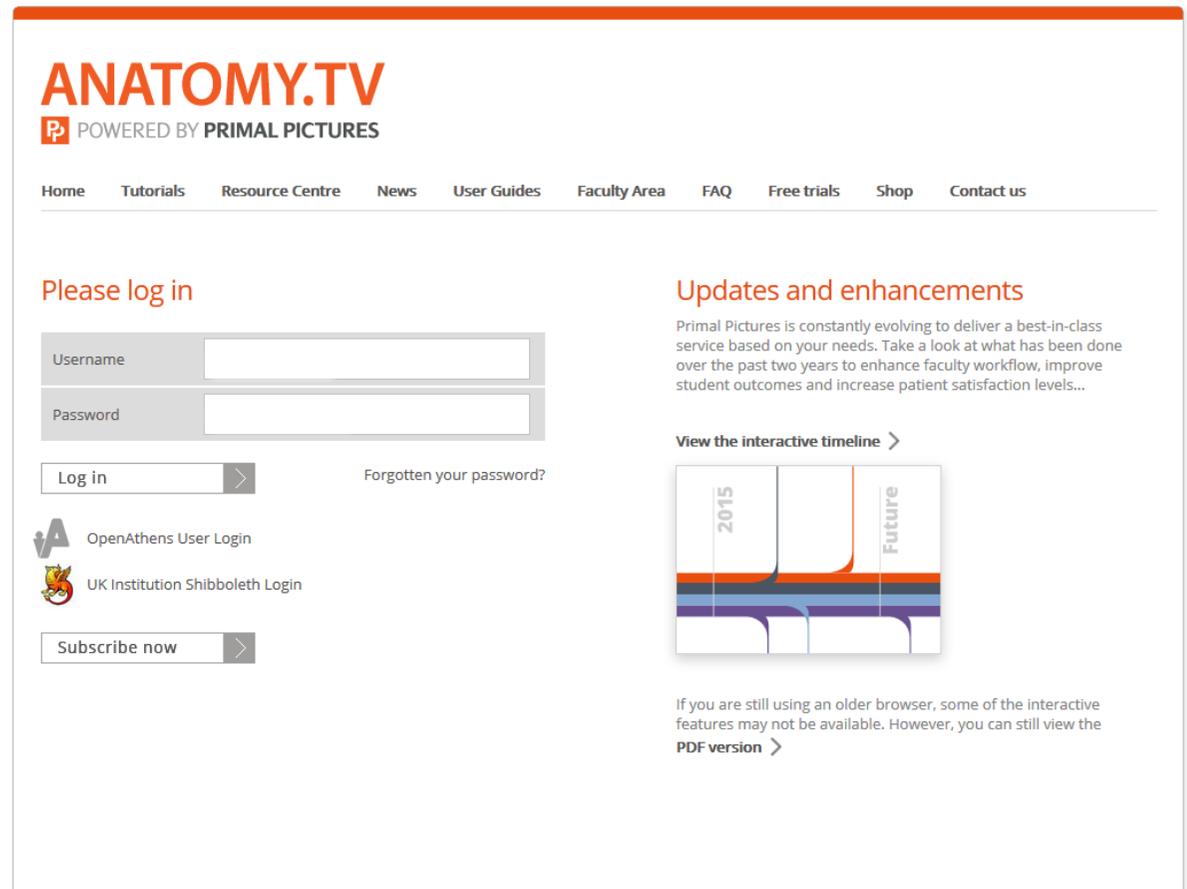
RECOMMENDED BROWSERS

For an optimum experience we recommend using one of the following web browsers for using anatomy.tv



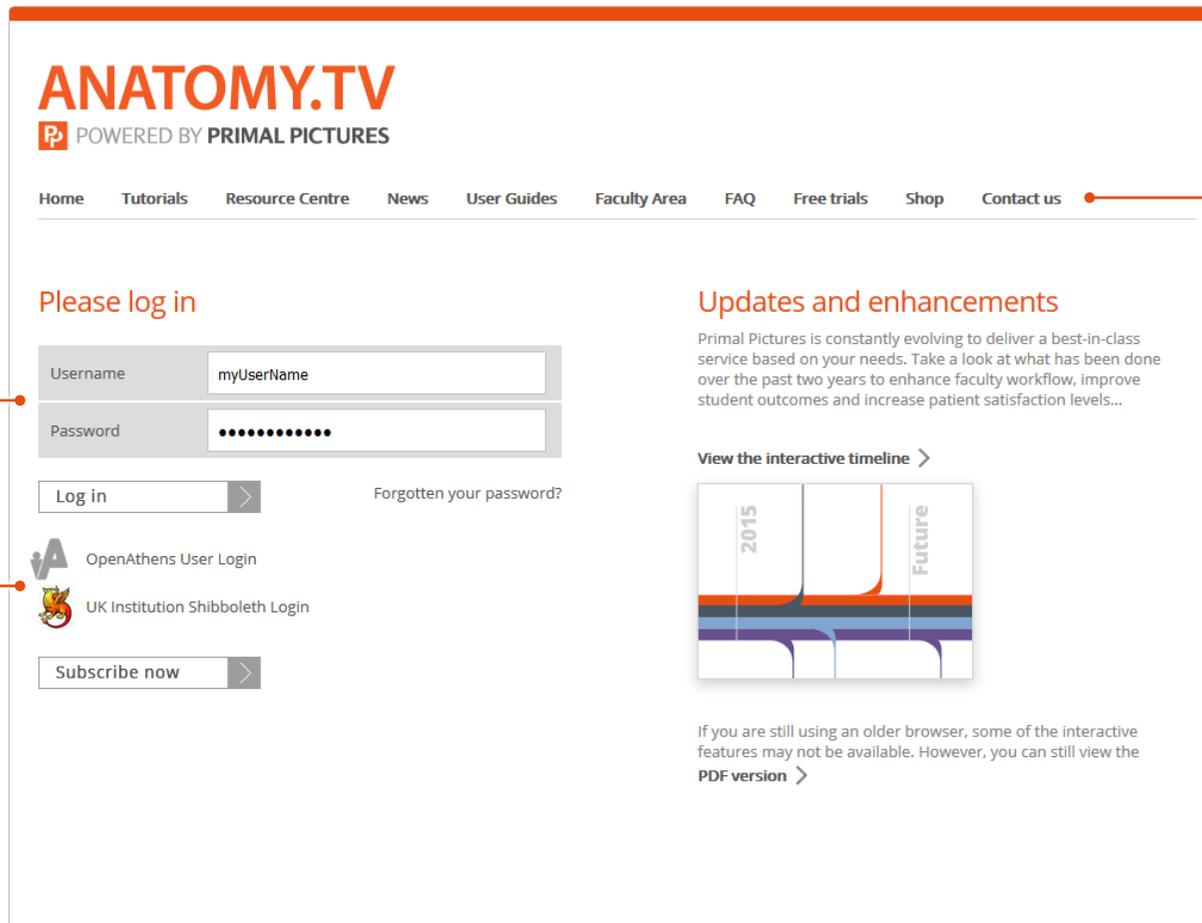
Open your web browser and type www.anatomy.tv into your address bar or browser search field.

This takes you to the home page:



The screenshot shows the Anatomy.tv website home page. At the top, the logo "ANATOMY.TV" is displayed in orange, with "POWERED BY PRIMAL PICTURES" below it. A navigation menu includes links for Home, Tutorials, Resource Centre, News, User Guides, Faculty Area, FAQ, Free trials, Shop, and Contact us. The main content area is divided into two columns. The left column is titled "Please log in" and contains a login form with fields for "Username" and "Password", a "Log in" button, and a link for "Forgotten your password?". Below the login form are two login options: "OpenAthens User Login" and "UK Institution Shibboleth Login". At the bottom of this column is a "Subscribe now" button. The right column is titled "Updates and enhancements" and contains a paragraph of text about the service's evolution. Below the text is a link to "View the interactive timeline" and a small graphic showing a timeline from 2015 to the future. At the bottom of the right column is a note about browser compatibility and a link to the "PDF version".

Please type your username and password in the subscriber login fields



The screenshot shows the Anatomy.tv website's login interface. At the top, the logo 'ANATOMY.TV' is displayed in large orange letters, with 'POWERED BY PRIMAL PICTURES' underneath. A navigation bar contains links for Home, Tutorials, Resource Centre, News, User Guides, Faculty Area, FAQ, Free trials, Shop, and Contact us. The main content area is divided into two columns. The left column is titled 'Please log in' and contains a login form with fields for 'Username' (containing 'myUserName') and 'Password' (masked with dots). Below these fields are a 'Log in' button, a 'Forgotten your password?' link, and two alternative login options: 'OpenAthens User Login' and 'UK Institution Shibboleth Login'. At the bottom of this column is a 'Subscribe now' button. The right column is titled 'Updates and enhancements' and contains a paragraph of text about the service's evolution, a link to 'View the interactive timeline', and a note about browser compatibility with a link to a 'PDF version'.

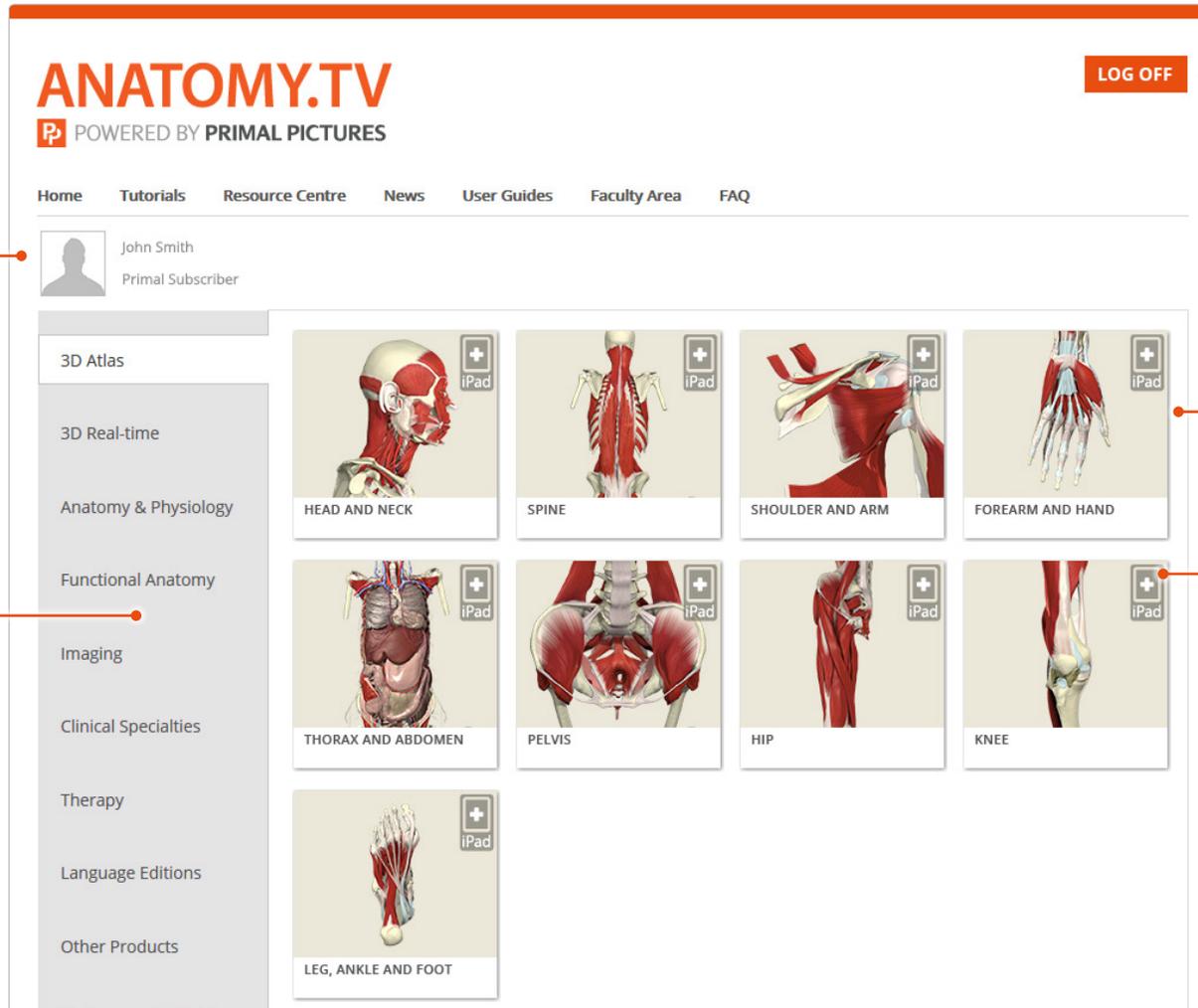
Note that if your institution is IP authenticated you will be taken to the products page automatically without having to log in so you will not see this page and login area.

If you are an Athens or Shibboleth user or wish to access our site from a proxy URL you must provide us with the technical information or refer us to your IT department so we can set you up on our system.

The top navigation bar offers a number of useful links – you may find the Tutorials link, which takes you to our in-depth video tutorials page, particularly useful.

The Resource Centre links to a stock of anatomy.tv and Primal Pictures information and publicity resources.

Once you have entered a valid username and password you'll be taken to the product launch area of the Home page.



If you have your own personal subscription this area is available for you to view and edit

Our titles are split into categories which can be accessed on the left hand side tab menu

LOG OFF

Once you have finished your session, please ensure you use the LOG OFF button or you may not be able to login again until after the time out period (default time out is 15 minutes)

The titles included in your subscription will appear as icons in the right pane

Products which are also accessible via iPad are indicated by the +iPad icon

Main interface – Overview



The interface opens with the **Anatomy tab** active.
This mode enables you to interact with the 3D model.

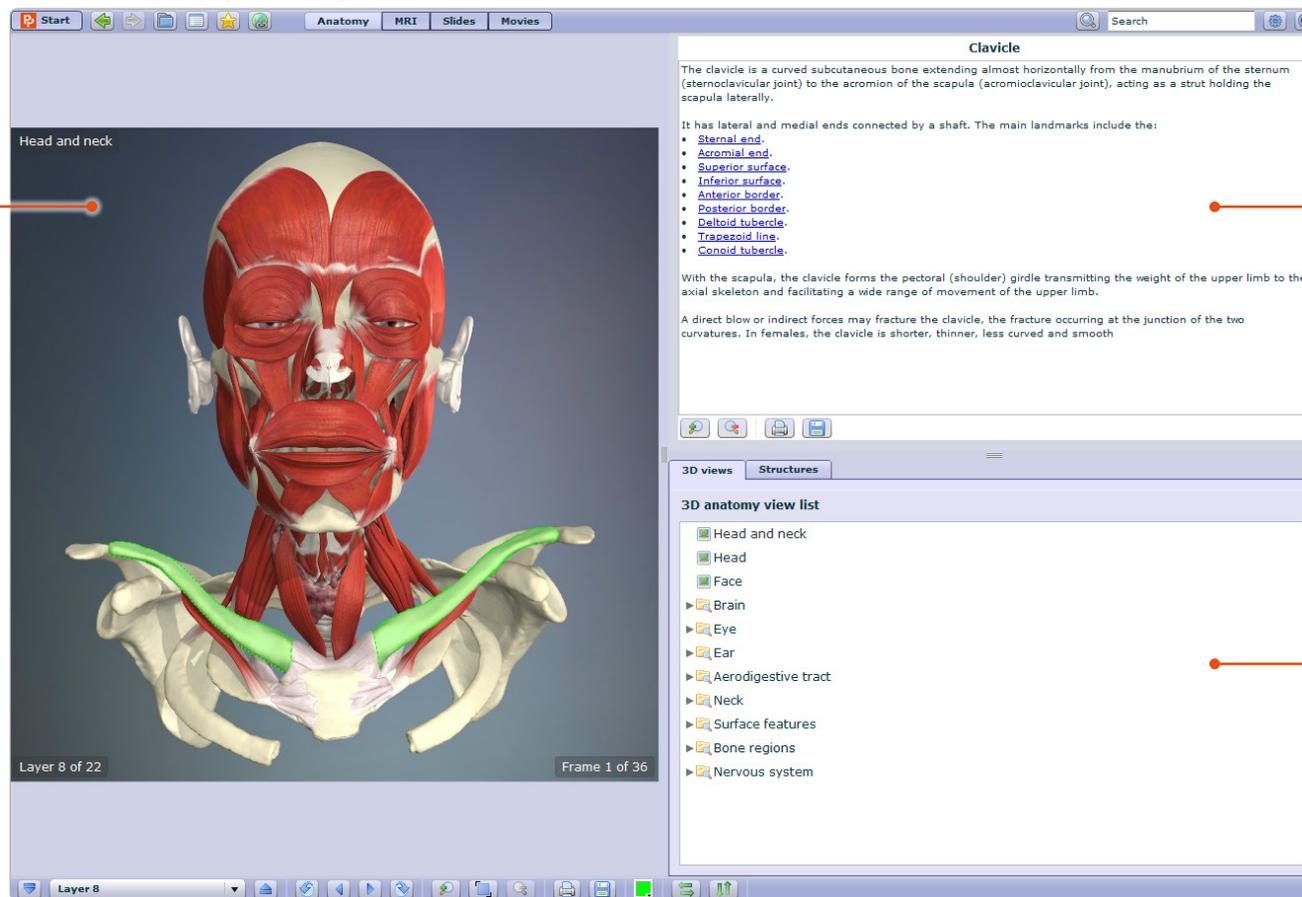
The Anatomy tab features three panes:

ANATOMY TAB

1

Viewing window

In the Anatomy tab the Viewing window features the 3D Anatomy Viewer



2

Text pane

Read detailed text about each anatomical structure

3

Browser pane

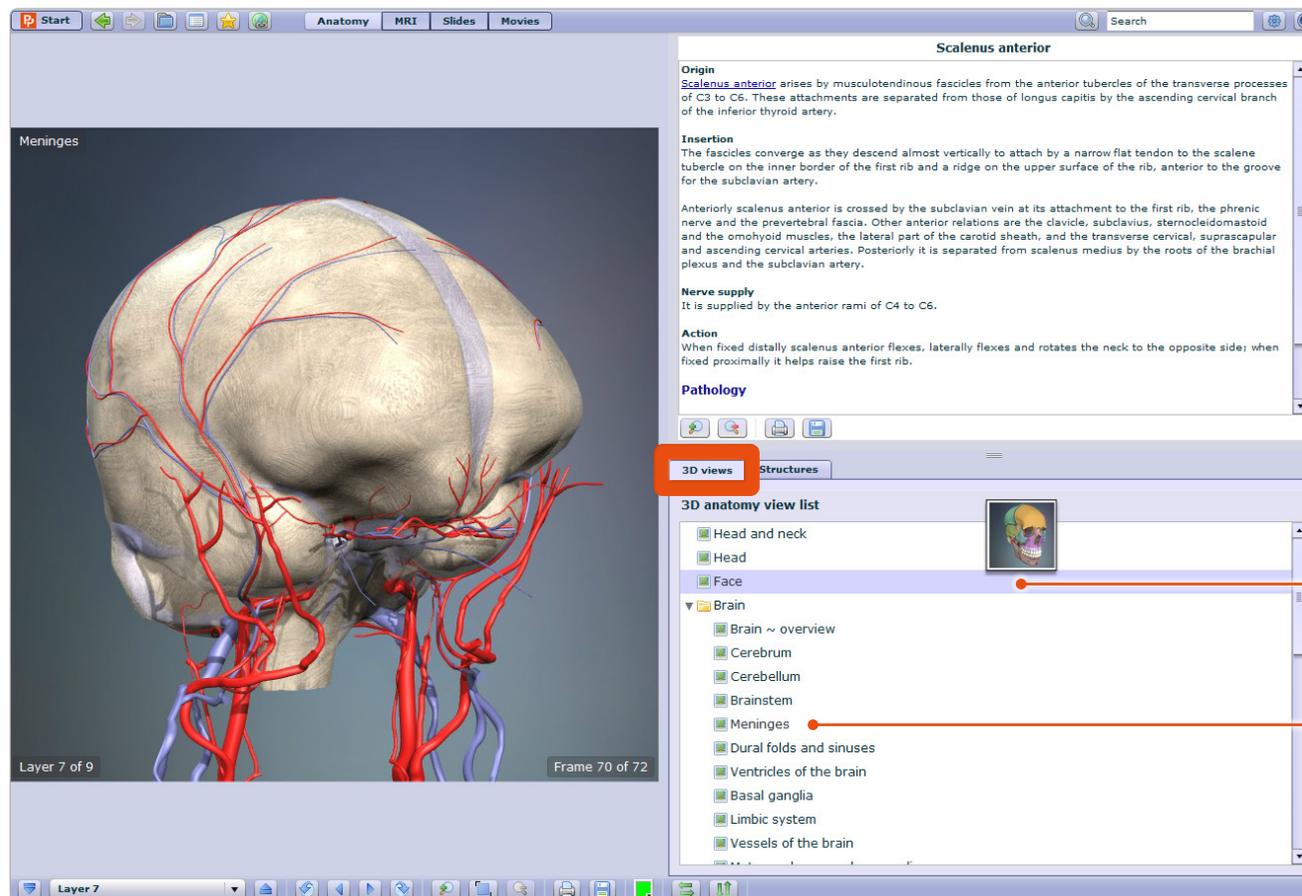
Select anatomical views, or use the Structures tab to locate structures within the selected view

Finding content – Browsing



There are several ways to locate anatomical structures.
Firstly, you can browse the **3D views tab** in the **Browser pane**.

In the 3D views tab, simply click on a folder to open it,
then select one of the 3D views contained within for it to
be displayed in the Viewing window.



Hovering over a
view's title will show
a thumbnail preview

Select a view to study it
in the anatomy viewer

Finding content – Searching



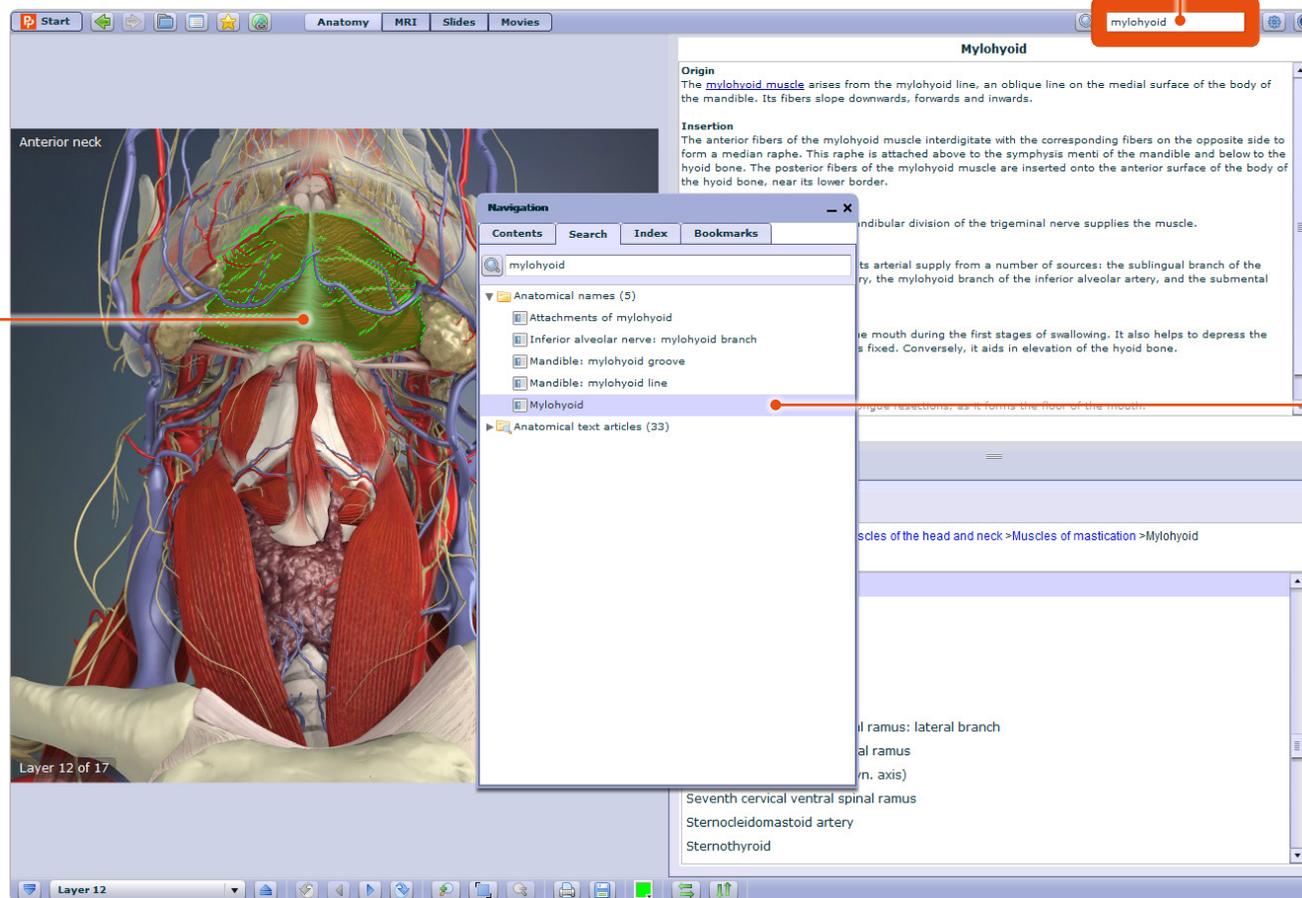
You can also search for a structure by name.

If you know the name, or part of the name, of a structure you can locate it using the **Search** feature.

3

The 3D viewer will then update to show that anatomical structure highlighted

1 Type your search term here



2

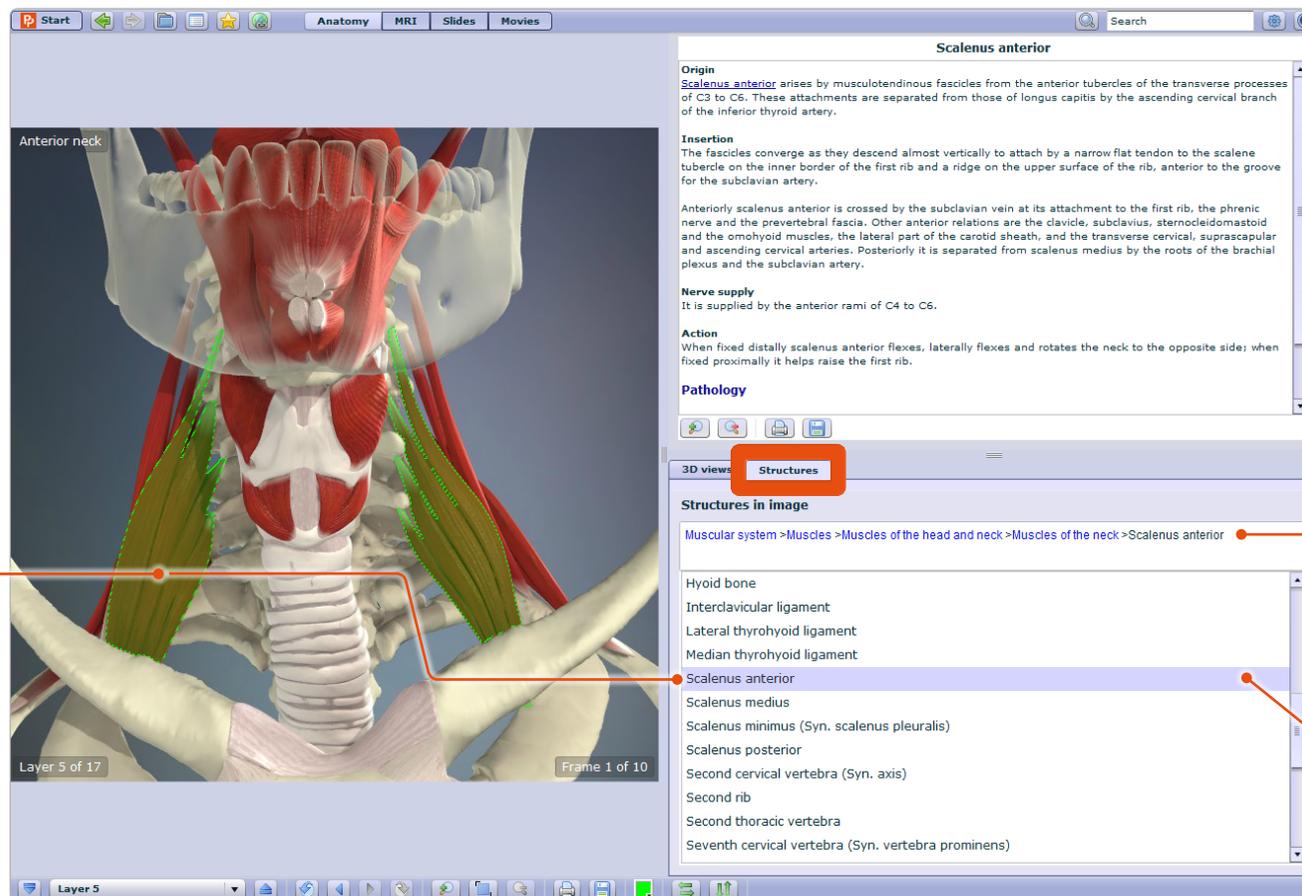
The search results will appear in a Navigation window

Select the desired result from the list

Identifying structures – Structures list



The **Structures tab** lists only those structures included in the current view. You can select a structure name from the list to highlight that structure in the 3D anatomy viewer.



3

Alternatively, you can select a structure in the 3D anatomy viewer and its name will be highlighted in the Structures tab list.

(Note that you may need to scroll to locate the highlighted entry)

2

The 'cookie-crum trail' shows the structure's location in the anatomical hierarchy

1

Select a structure name to highlight it in the 3D anatomy viewer

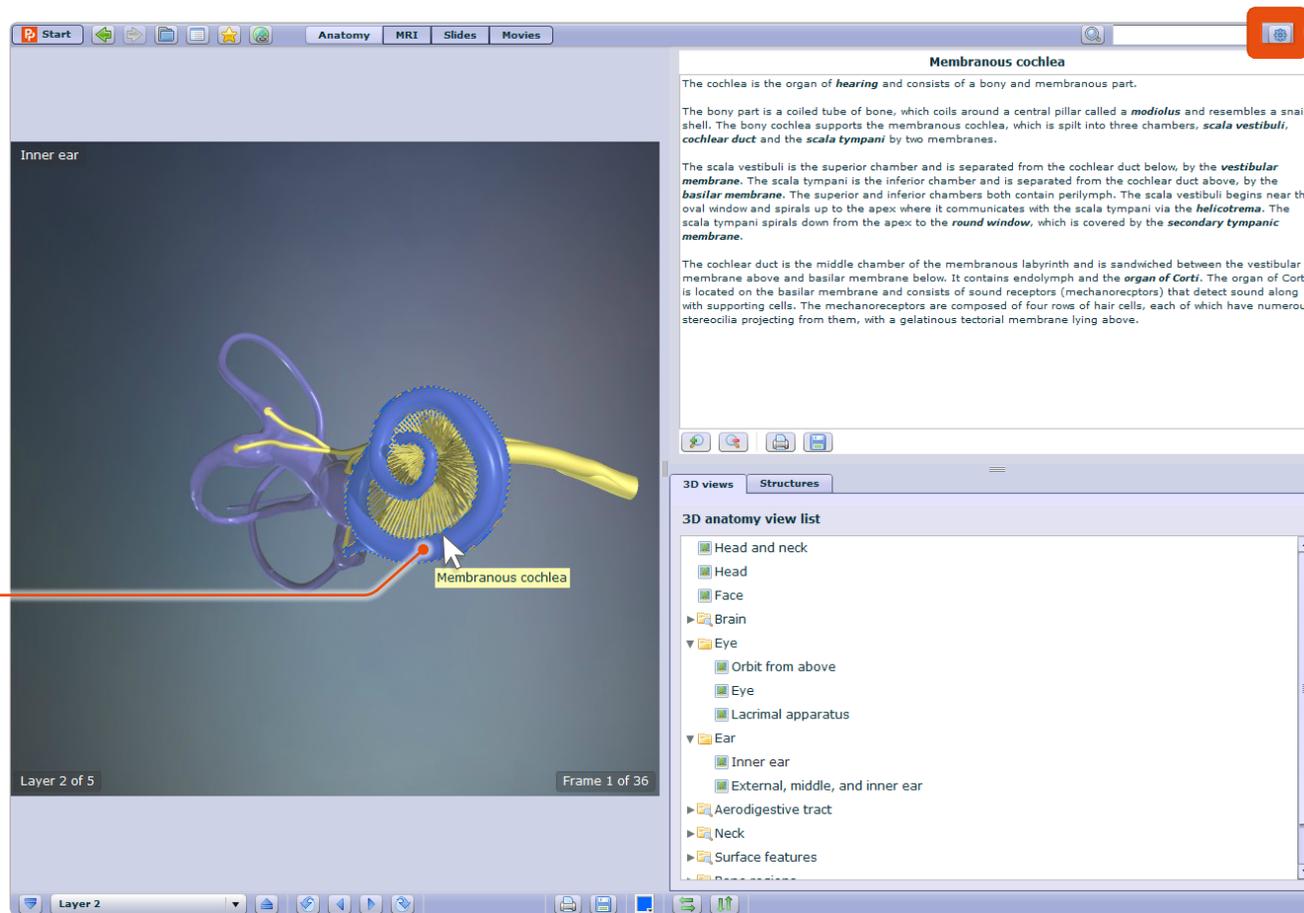
Identifying structures – Rollover labels



All selectable 2D and 3D images feature rollover labels to help you identify structures.

1

Hovering over a structure with your mouse pointer will reveal the structure's name



2

You can turn off the rollover labels in Settings. For example, you may wish to test yourself on the names of structures in the viewing window

Interacting with the 3D model – Selecting structures



Every structure in the 3D viewer is selectable – simply click on a structure and it will highlight.

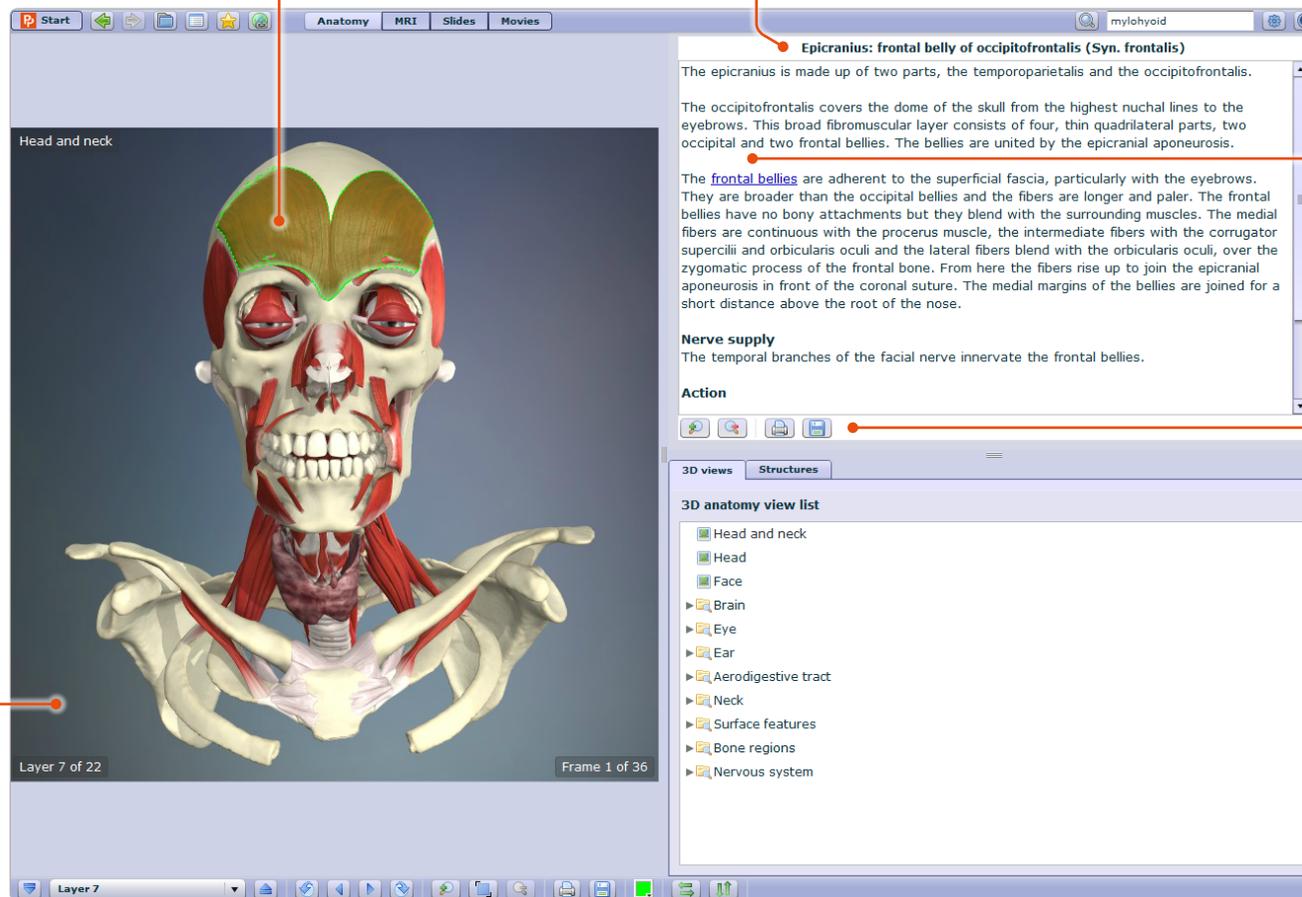
1 Here, the Epicranius has been clicked on

2 The name of the highlighted structure appears here, followed by detailed anatomical text

3 Most texts include links to related content

4 These controls can be used to adjust the text pane font size, or print or save the text

5 You can deselect structures by clicking on the background

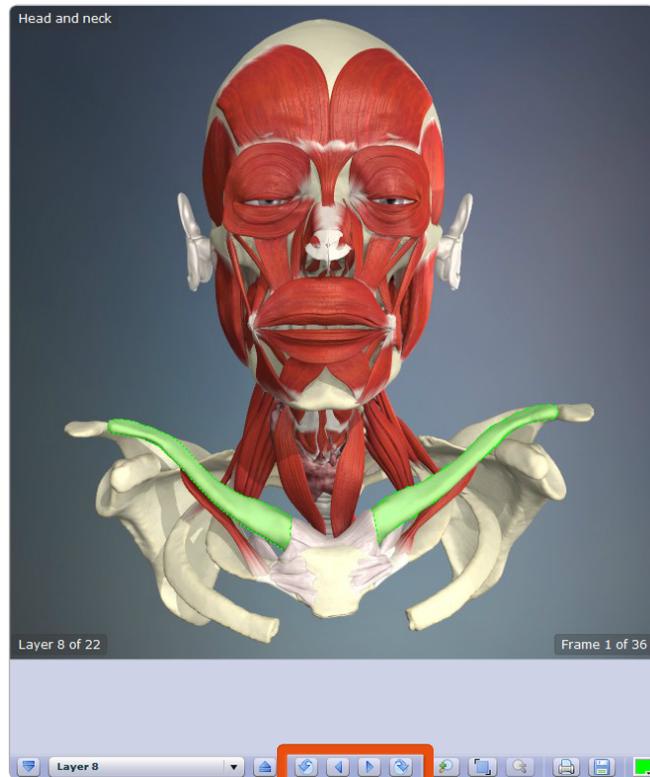


Interacting with the 3D model – Sequences

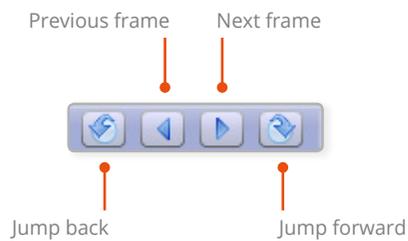


Every 3D view features a sequence of images. These 3D sequences usually take the form of rotations, enabling you to study the anatomy through 360 degrees.

You control the sequence playback using the frame controls on the 3D viewer toolbar:



Frame controls



PART OF A HORIZONTAL ROTATION SEQUENCE



SOME SEQUENCES ALSO SHOW VERTICAL ROTATIONS



Interacting with the 3D model – Other controls

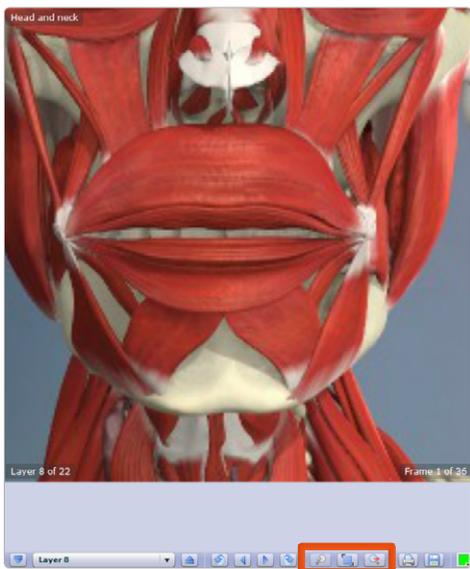


The **zoom** controls allow a closer look at the model. Use the **Reset zoom** button to quickly return to the default view.

Note that the image will become less sharp as you zoom in. As an alternative to using zoom, you may well be able to find a closer view of the structure you are interested in using the **3D views** tab or by using the **Search** feature.



Zoom in Reset zoom Zoom out

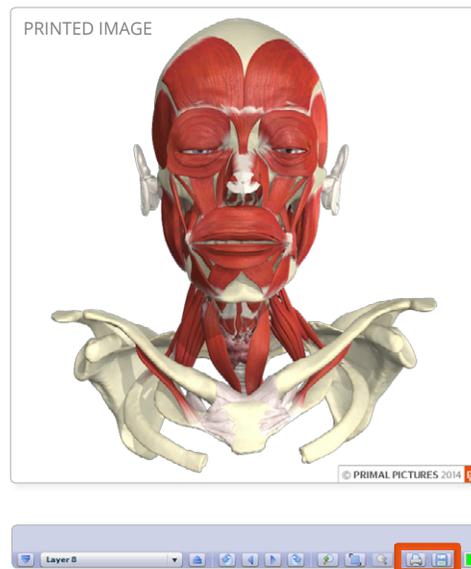


You can **save** or **print** views, enabling you to add them to presentations, lecture notes, and learning management systems.

Views are saved and printed with a transparent background.



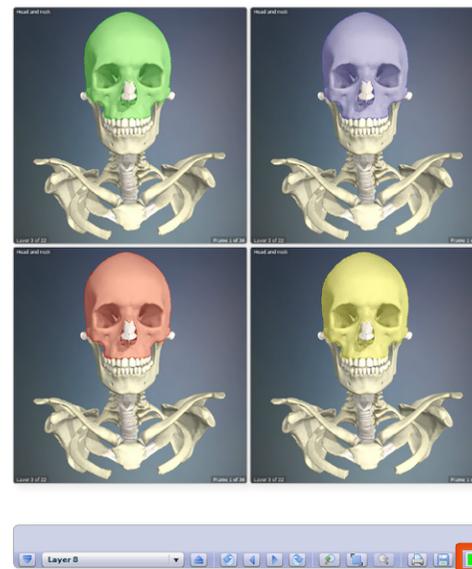
Print image Save image



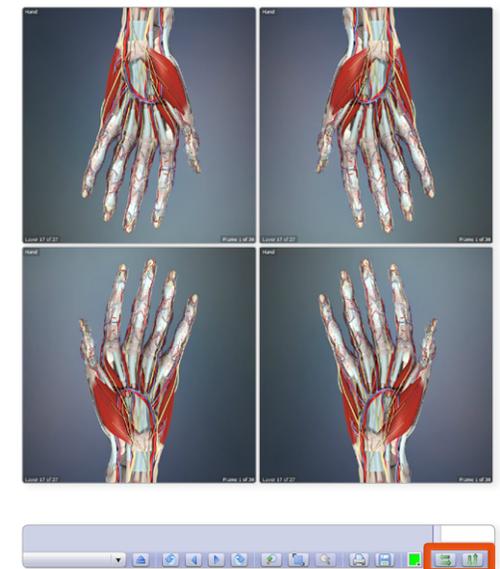
You can choose from a wide range of **highlight colors**, so that your selected structure stands out from the those around it.



Choose highlight color



Flip horizontal Flip vertical



Main interface – MRI tab



The **MRI tab** features side-by-side viewing panes, enabling you to compare our 3D model with equivalent scans.

MRI TAB

In the MRI tab, the text pane is located at the top of the interface

Clicking on the Best View thumbnail will open that view in the Anatomy tab

Structures selected in one pane will highlight in the other (if visible in both panes)

Note that the MRI slides are taken from a different specimen to our 3D model – therefore, due to anatomical differences, the two views will not match completely.

By default the **layer buttons** control both panes simultaneously.

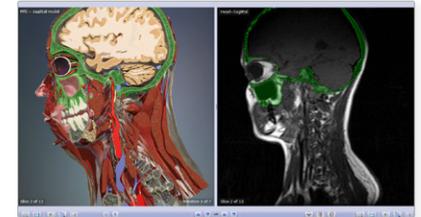
However, you can unlink them by toggling the **Link slices** button – useful if you cannot see a particular structure in both panes.

Link slices button

AXIAL PLANE



SAGITTAL PLANE



CORONAL PLANE



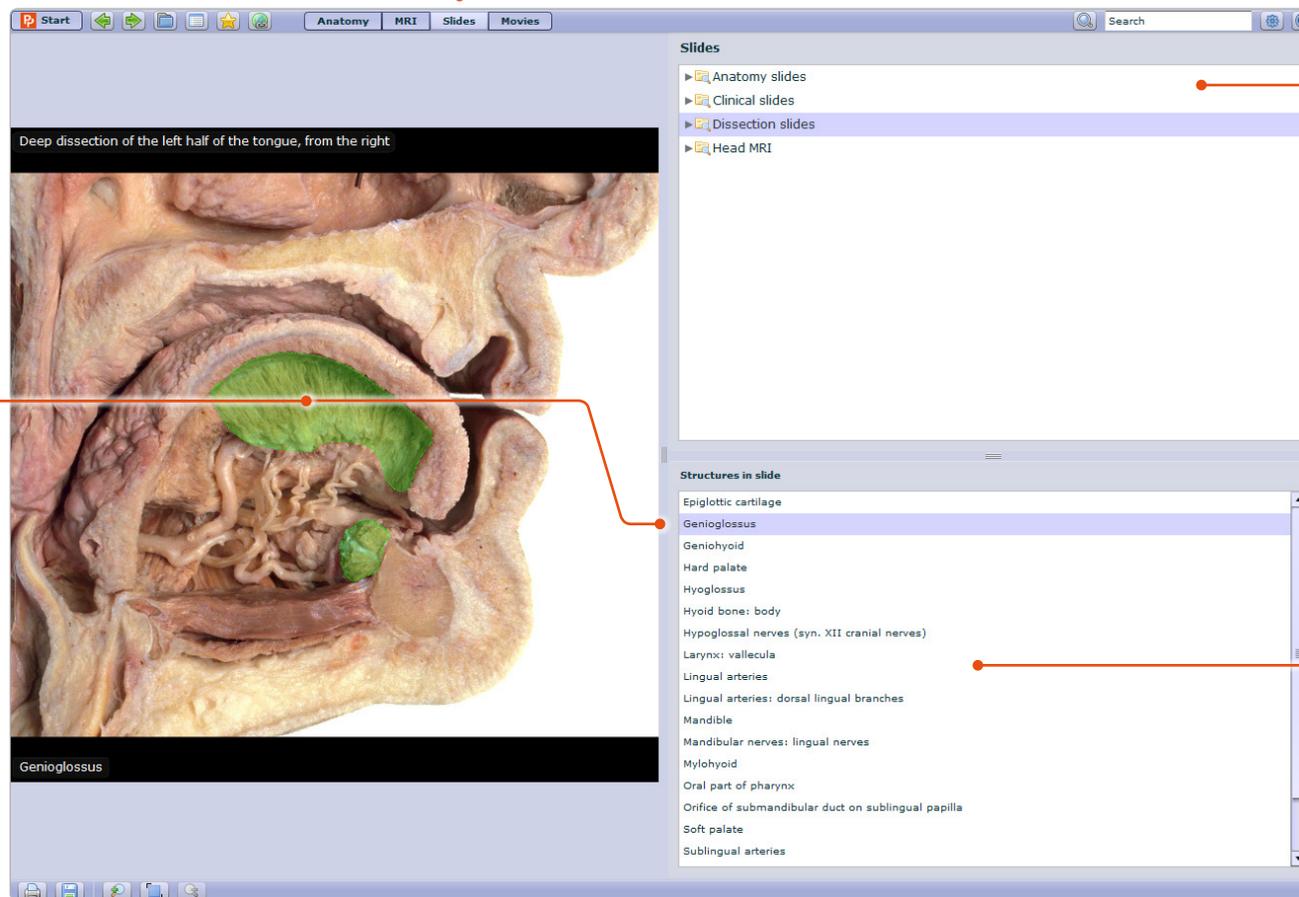
Use these buttons to choose whether to view the Axial, Sagittal or Coronal plane

Main interface – Slides tab



The **Slides tab** contains clinical photographs, scans and diagrams. The layout is similar to the Anatomy tab. However, the Text pane is replaced by the Browser pane.

SLIDES TAB



1

The top panel contains the **Browser pane** enabling you to select the different types of content

3

Structures may be selected in the viewing window, or chosen from the Structures in slide list.

2

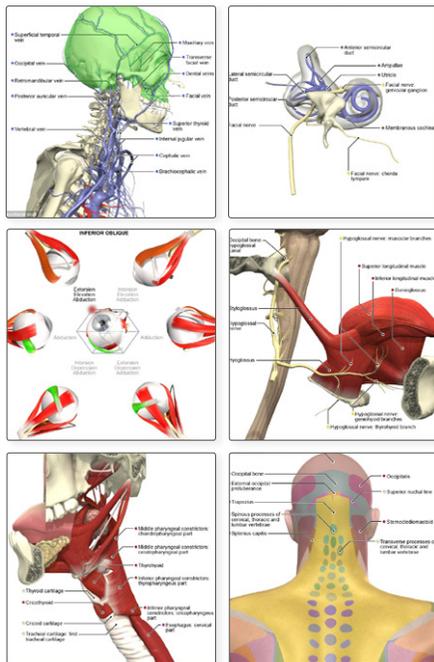
Many of the slides have selectable structures, as indicated by the **Structures in slide list**

Main interface – Slides tab (continued)

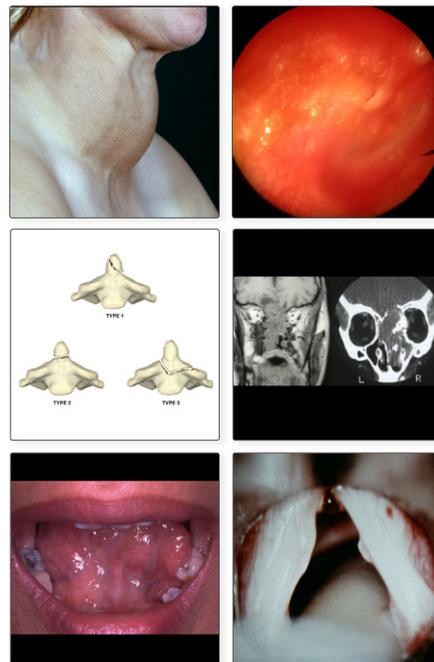


The Slides tab content is divided into four types.

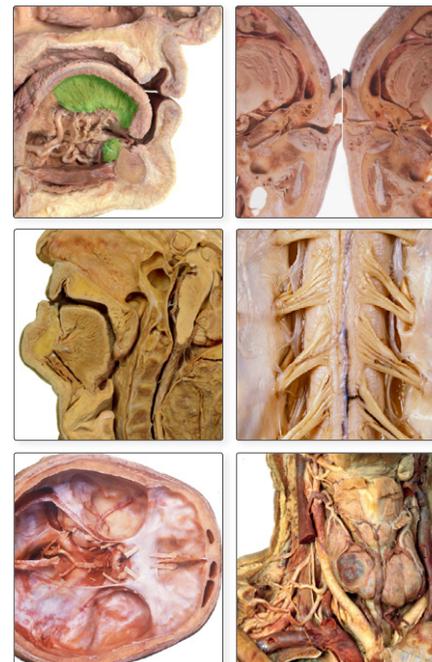
Anatomy slides are annotated diagrams or photographs, showing selected areas of anatomical interest.



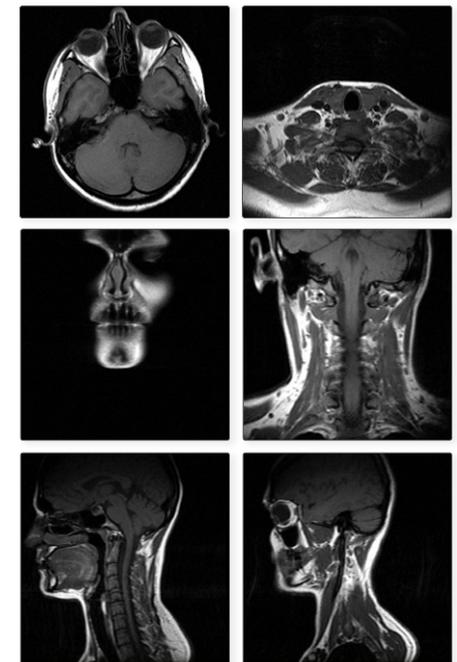
The **Clinical slides** consist of photographs, scans and diagrams of common and notable clinical conditions.



Dissection slides are fully selectable photographs taken from real-life dissections.



The **MRI slides** from the MRI tab are collected here, allowing you to export them for use in your own presentations, patient education, and student handouts.

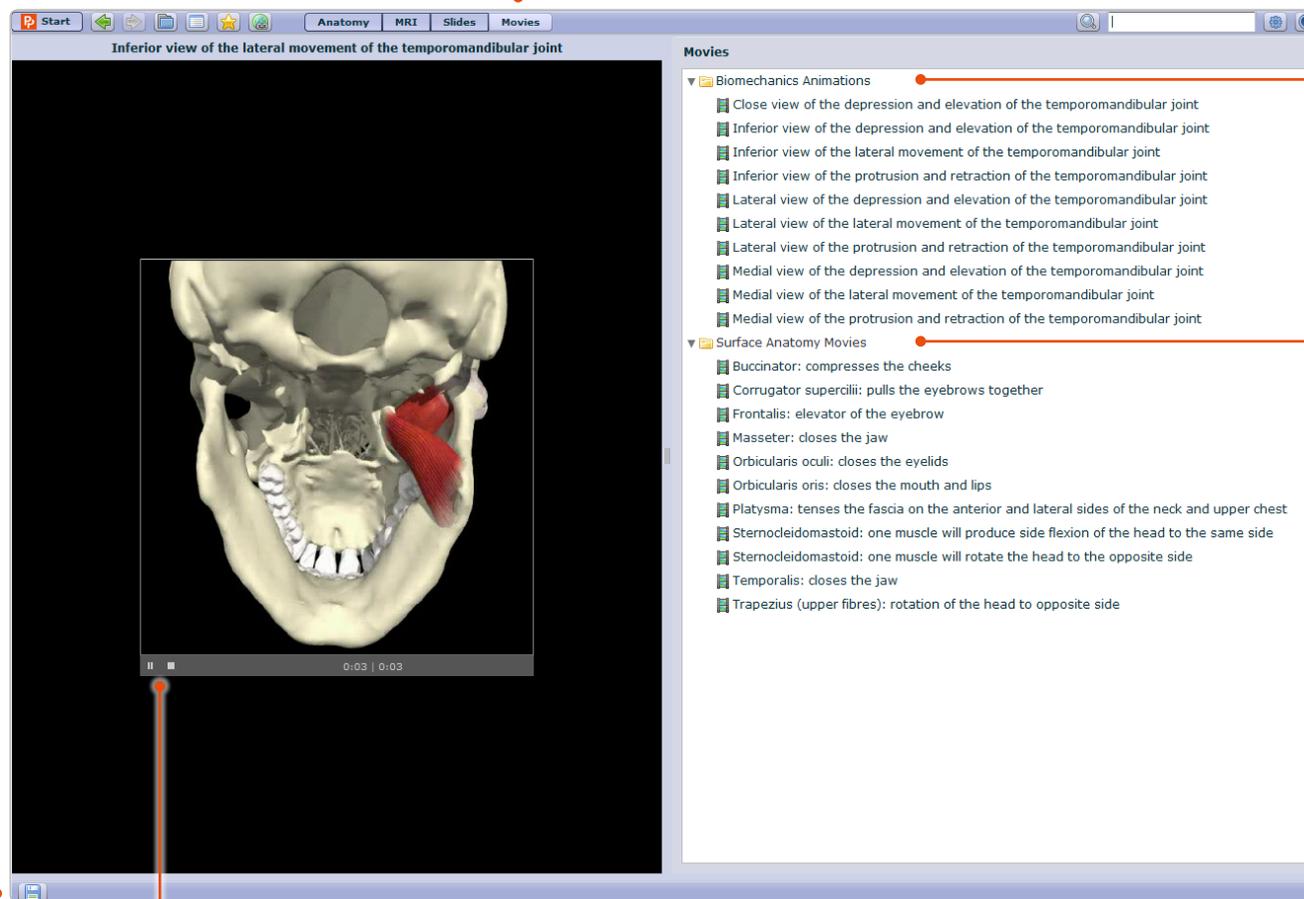


Main interface – Movies tab



The **Movies tab** contains both 3D animations and real-life surface anatomy movies. It features a movie Viewing window on the left and a Browser pane on the right.

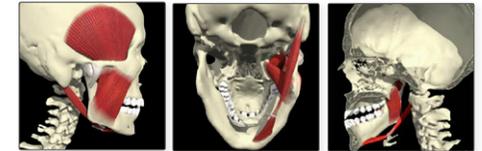
MOVIES TAB



Movies and animations can be saved to your computer for you to use in PowerPoint and other multi-media presentations

Playback controls

3D animations of muscle movements



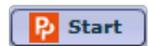
Surface anatomy movies



Main interface – Other controls



The toolbar on the top left of the interface features a variety of useful controls.



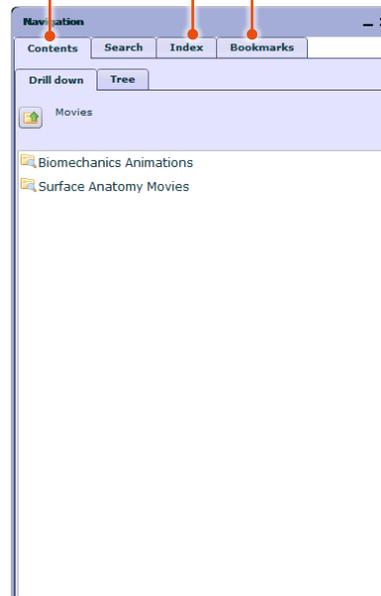
Quickstart
View a brief animated introduction to the interface.



Back / Forward
Quickly retrace your steps in the View pane – or move forward again.



Navigation pane shortcuts
These three buttons allow quick access to tabs within the **Navigation pane**. Learn more about Bookmarks on the [next page](#).



Create weblink
Weblinks enable you to share views with other anatomy.tv subscribers. Click this button to generate a hyperlink which you can copy and email to your fellow subscriber.
Weblinks can also be pasted into a Learning Management System to link students directly to content in the products.



Customisation – Saving bookmarks

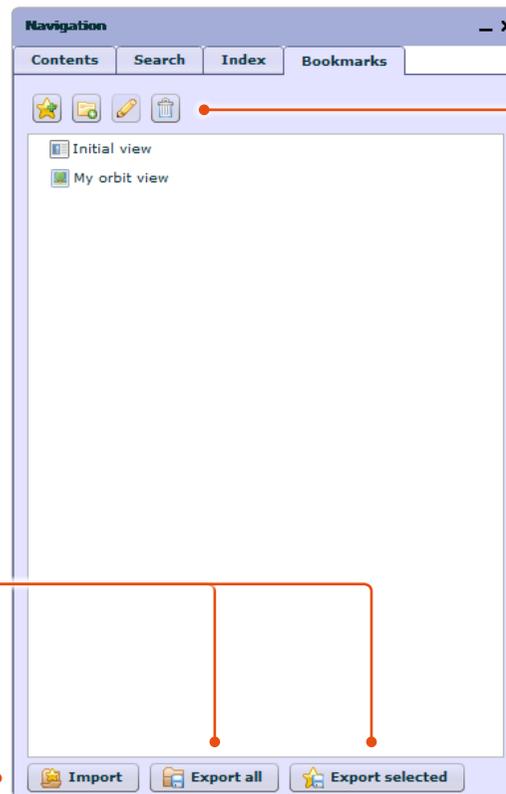


Save your favorite images, slides, movies, and animations into your own folders.



Bookmark button

Clicking the Bookmark button brings up the **Navigation box** open at the **Bookmarks tab**. Here you can create and organise your Bookmarks.



Export all / Export selected

Bookmarks are stored locally on your computer. If you would like to access them on another computer, you will first need to Export them. This creates an XML file which you can then transfer to the other computer.

Import

Use this button to import your previously created XML Bookmark file to the new computer.



Create new Bookmark

Adds your current image and text article to the Bookmarks folder.

To access the items you have added at any time, simply click on the names of the structures in this folder.



Create new folder

Allows you to create a new folder within the bookmarks list, into which you can drag bookmarked content.

The content of these folders is amendable by dragging content in and out of them.

If a folder is selected when the user adds a new bookmark, the new bookmark will be automatically added to that particular folder.



Edit selected

Allows you to rename a selected bookmark or folder.



Delete selected

Deletes your selected image, text article, or folder from the Bookmarks folder.

Customisation – Adjusting the preferences



You can show or hide various aspects of the interface using the check boxes in the **Preferences** dialogue box.

The image shows a software interface for 'PRIMAL'S 3D ATLAS OF HUMAN ANATOMY OF THE Head and Neck'. The main window displays a 3D anatomical model of the ear and a text page titled 'Membranous cochlea'. A 'Getting started' window is open on the right, and a 'Preferences' dialog box is open at the bottom right. Numbered callouts (1-6) link specific interface elements to the corresponding preference options in the 'Preferences' dialog box.

Preferences

- Show 'Getting started' text on Startup
- Show rollover labels
- Show zoom controls
- Show flip controls
- Show layer and frame overlays
- Show view name overlay