

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

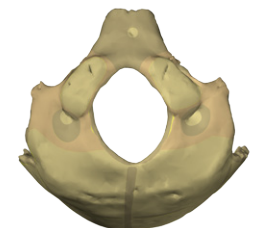
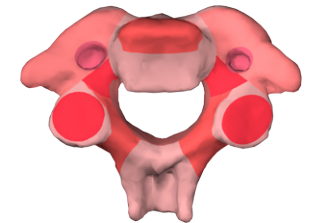
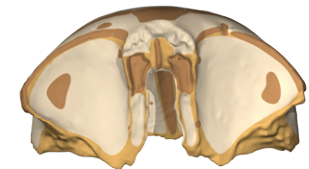
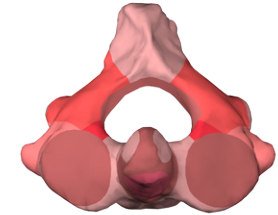
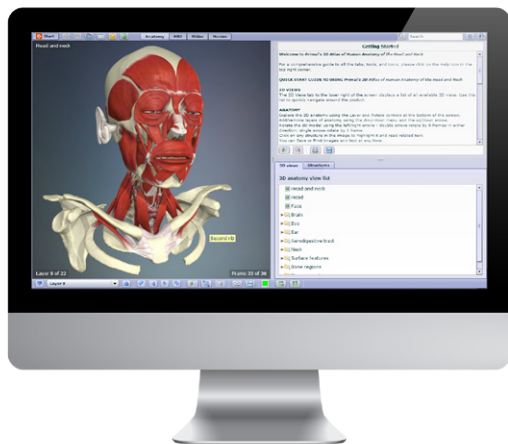
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RECOMMENDED BROWSERS

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



Internet Explorer



Mozilla Firefox



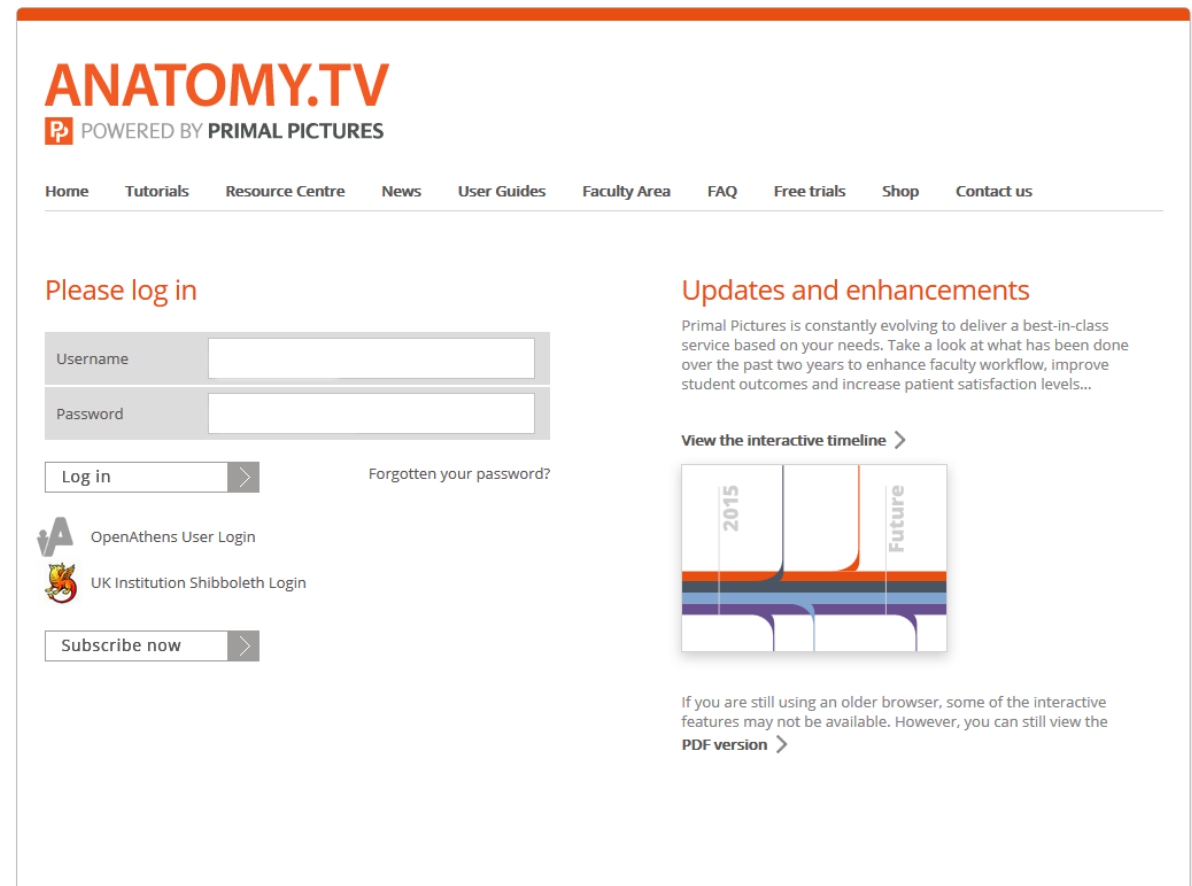
Safari



Chrome

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 large orange letters, with "POWERED BY PRIMAL PICTURES" underneath. A navigation bar contains links: Home, Tutorials, Resource Centre, News, User Guides, Faculty Area, FAQ, Free trials, Shop, and Contact us. The main content area is split 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 links for "OpenAthens User Login" and "UK Institution Shibboleth Login". Below the login form is a "Subscribe now" button. The right column is titled "Updates and enhancements" and contains a paragraph about Primal Pictures' evolution, a link to "View the interactive timeline", and a timeline graphic showing the years 2015 and Future. At the bottom of the right column, there is a note about older browsers and a link to the "PDF version".

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Please log in

Username

Password

[Log in](#) [Forgotten your password?](#)

[OpenAthens User Login](#)

[UK Institution Shibboleth Login](#)

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Updates and enhancements

Primal Pictures is constantly evolving to deliver a best-in-class service based on your needs. Take a look at what has been done over the past two years to enhance faculty workflow, improve student outcomes and increase patient satisfaction levels...

[View the interactive timeline](#)

2015 Future

If you are still using an older browser, some of the interactive features may not be available. However, you can still view the [PDF version](#)

Please type your username and password
in the subscriber login fields

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.

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Please log in

Username

myUserName

Password

●●●●●●●●

Log in

Forgotten your password?

 OpenAthens User Login

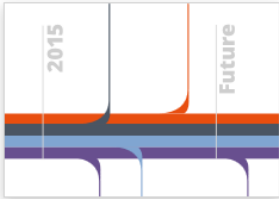
 UK Institution Shibboleth Login

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Updates and enhancements

Primal Pictures is constantly evolving to deliver a best-in-class service based on your needs. Take a look at what has been done over the past two years to enhance faculty workflow, improve student outcomes and increase patient satisfaction levels...

[View the interactive timeline >](#)



If you are still using an older browser, some of the interactive features may not be available. However, you can still view the [PDF version >](#)

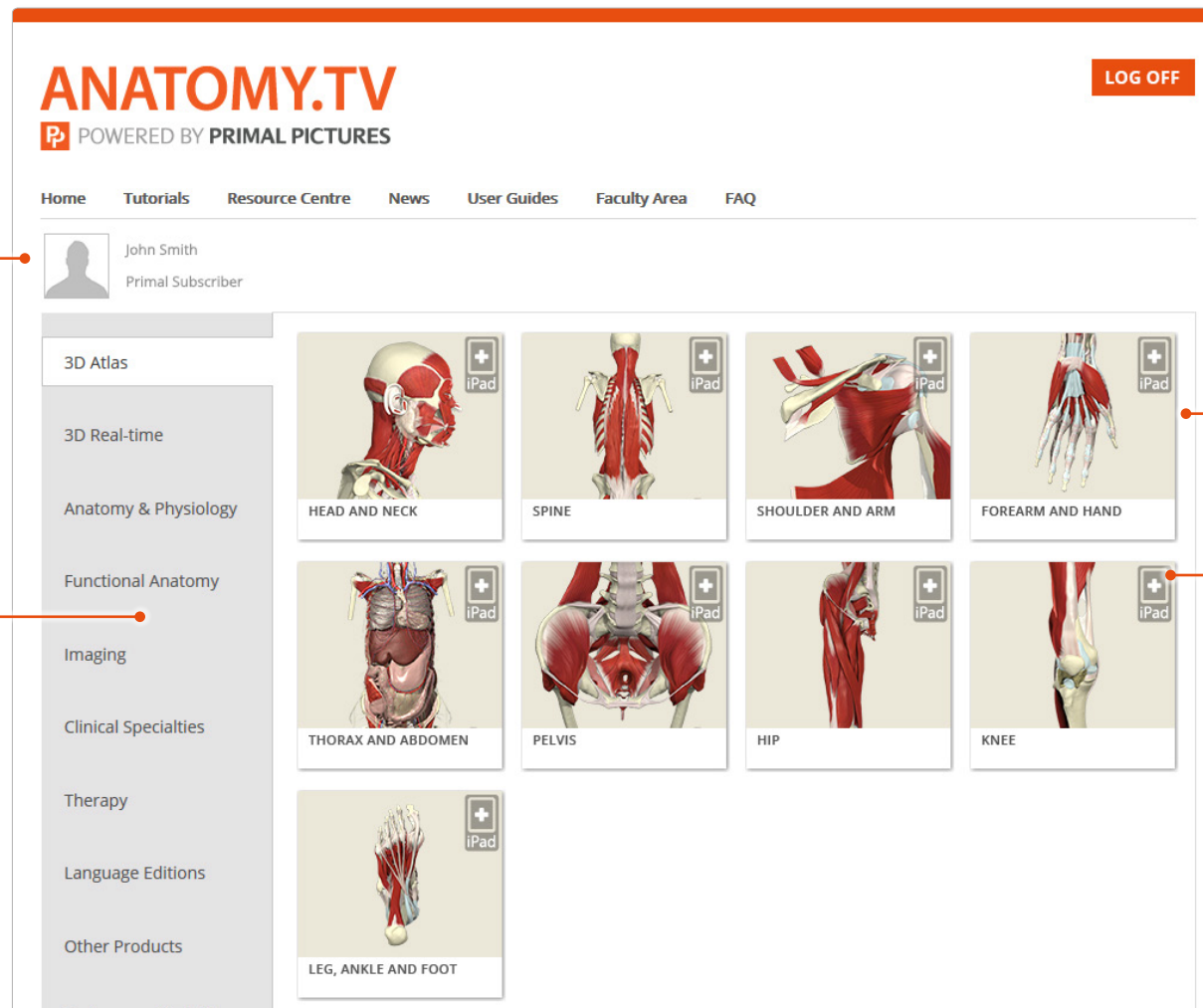
The top navigation bar offers
a number of useful links – you
may find the Tutorials link, which
takes you to our in-depth video
tutorials page, particularly useful.

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

Anatomy.tv – Landing page



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

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

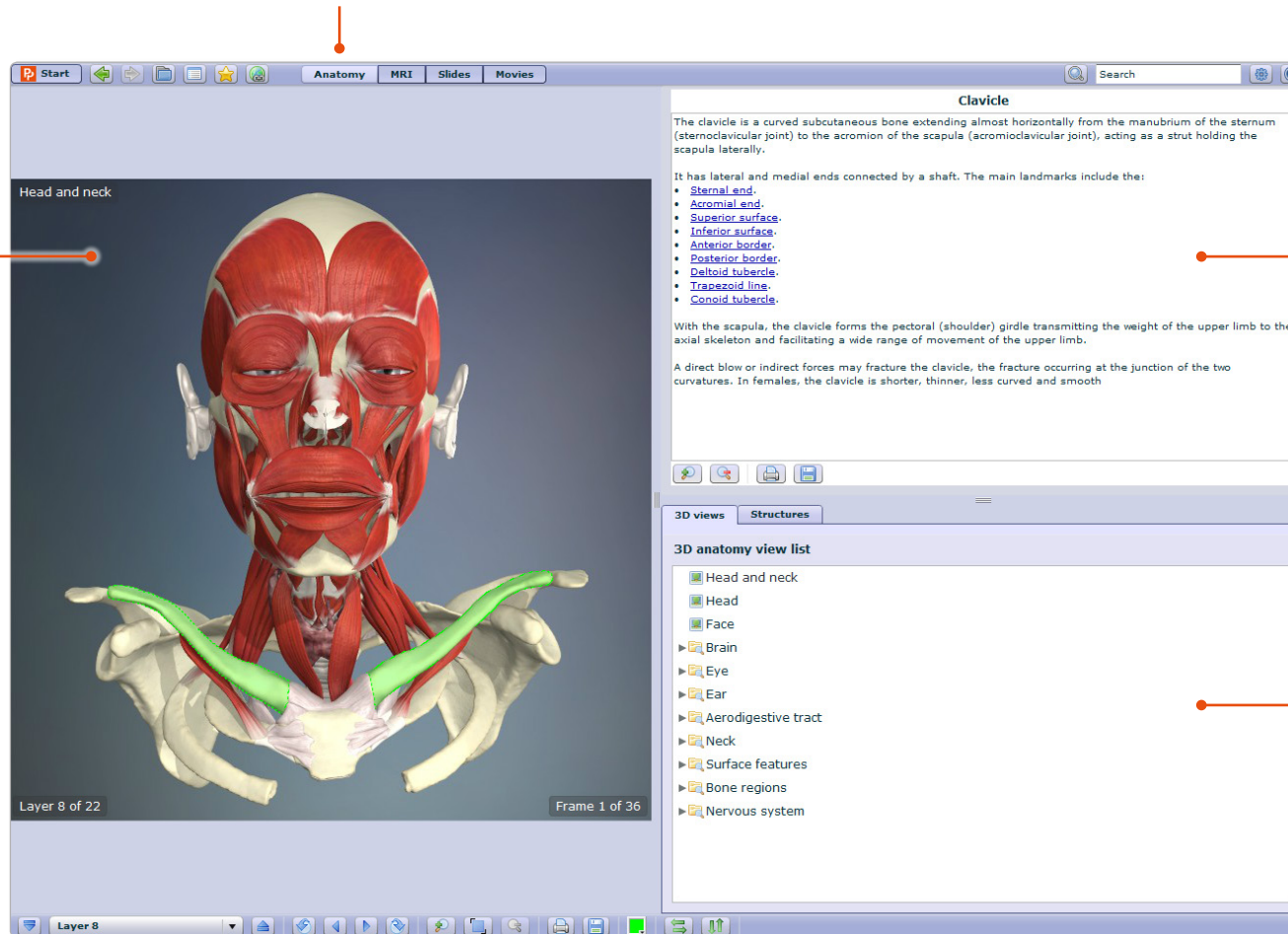
Text pane

Read detailed text about
each anatomical structure

3

Browser pane

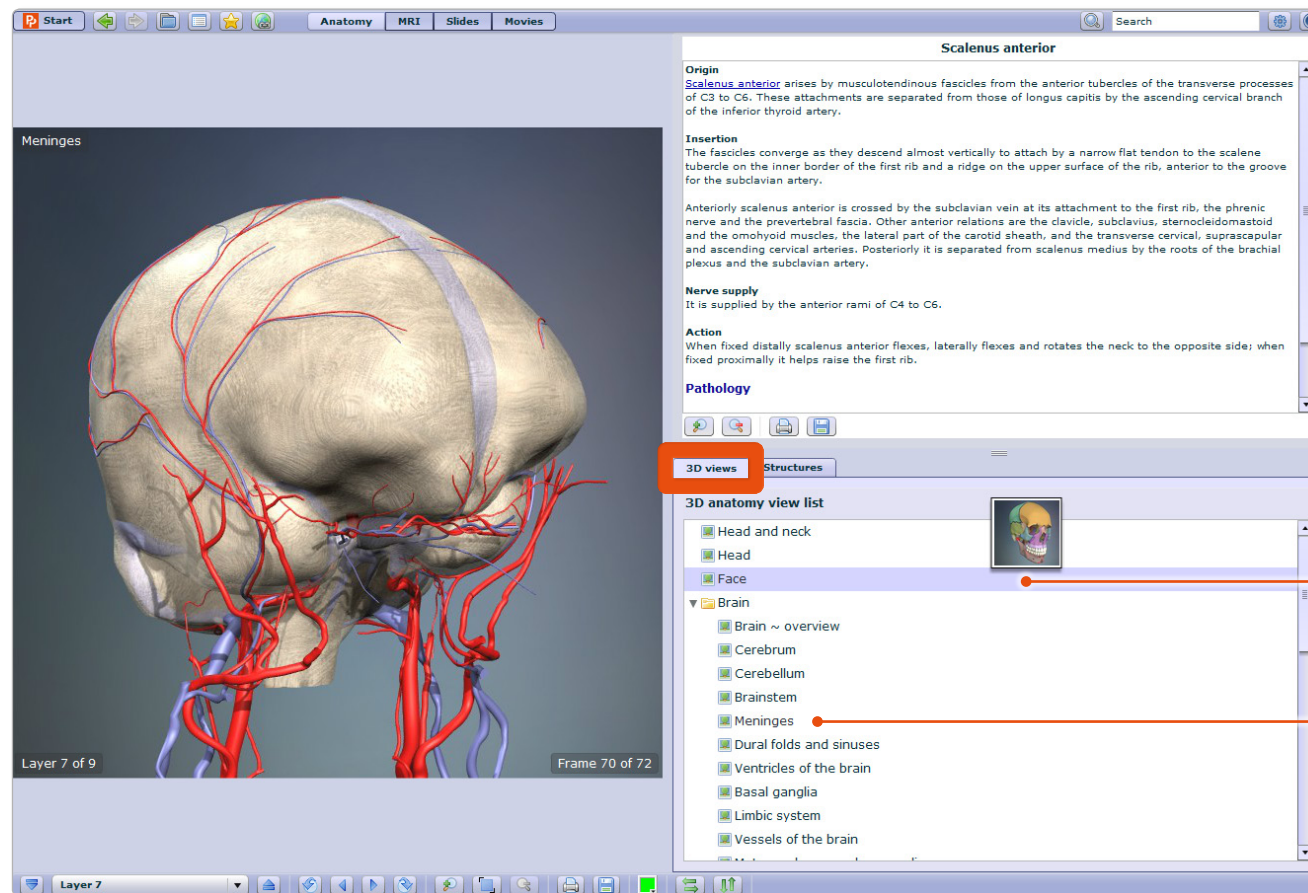
Select anatomical views,
or use the Structures tab
to locate structures within
the selected view



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

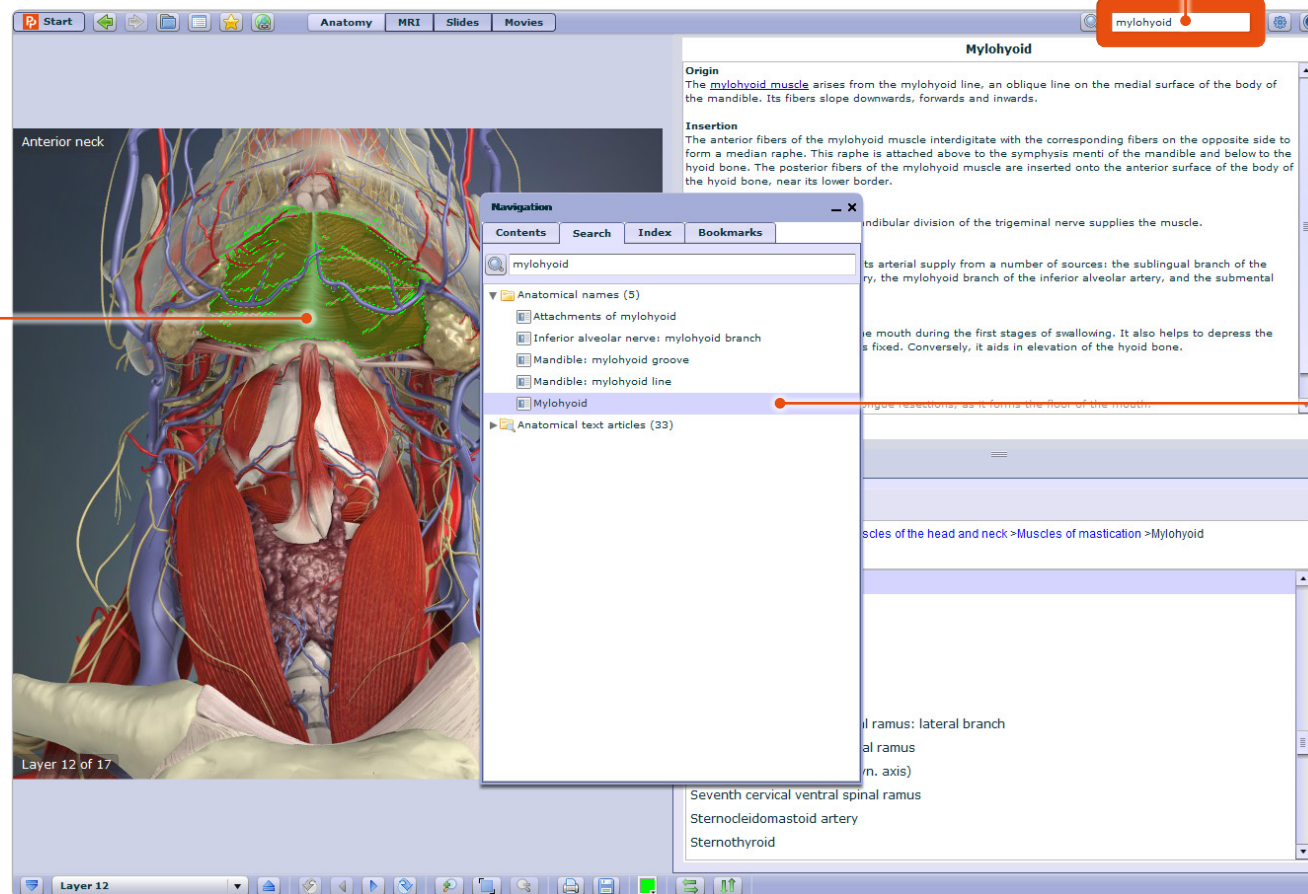
Finding content – Searching

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

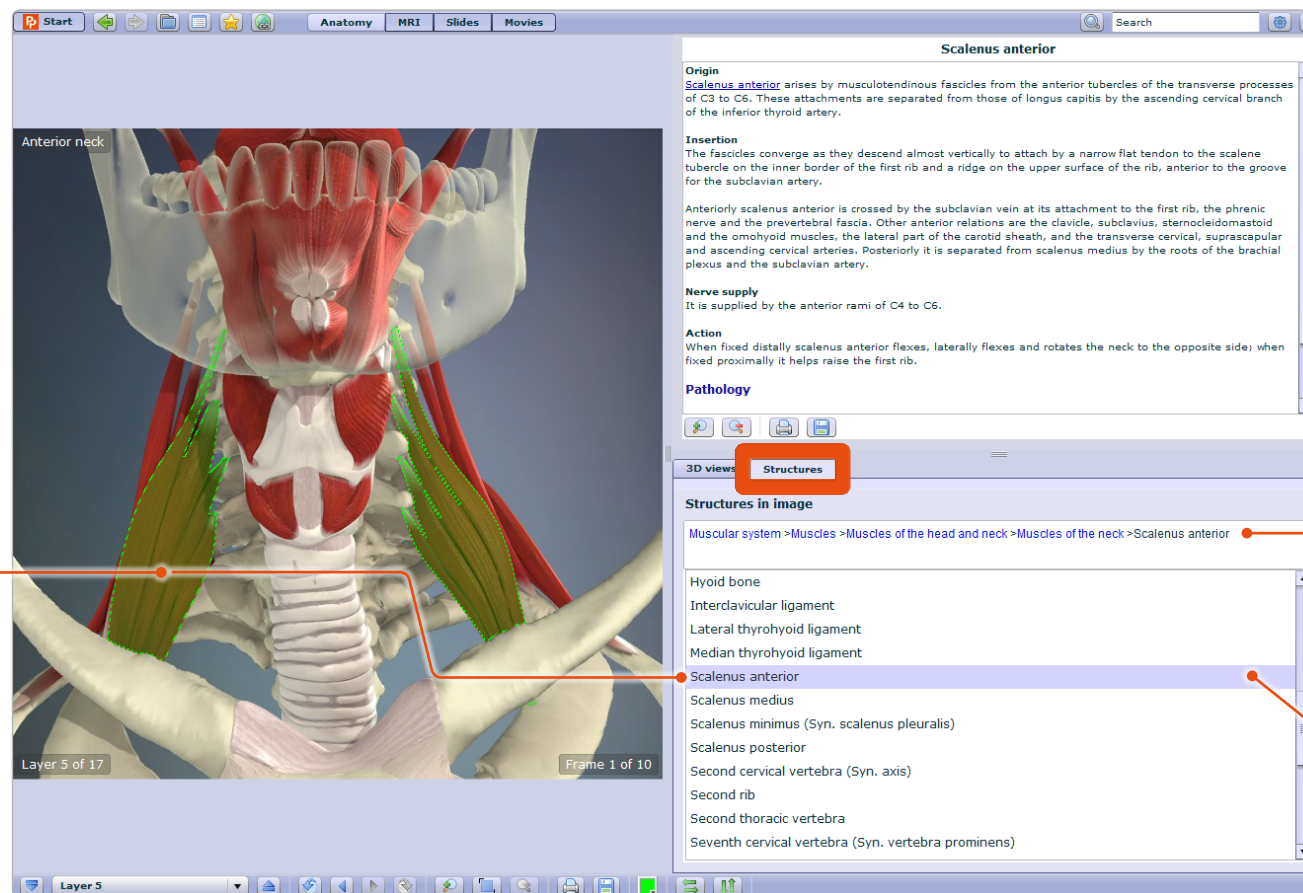
2

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-crumb trail' shows the structure's location in the anatomical hierarchy

1

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

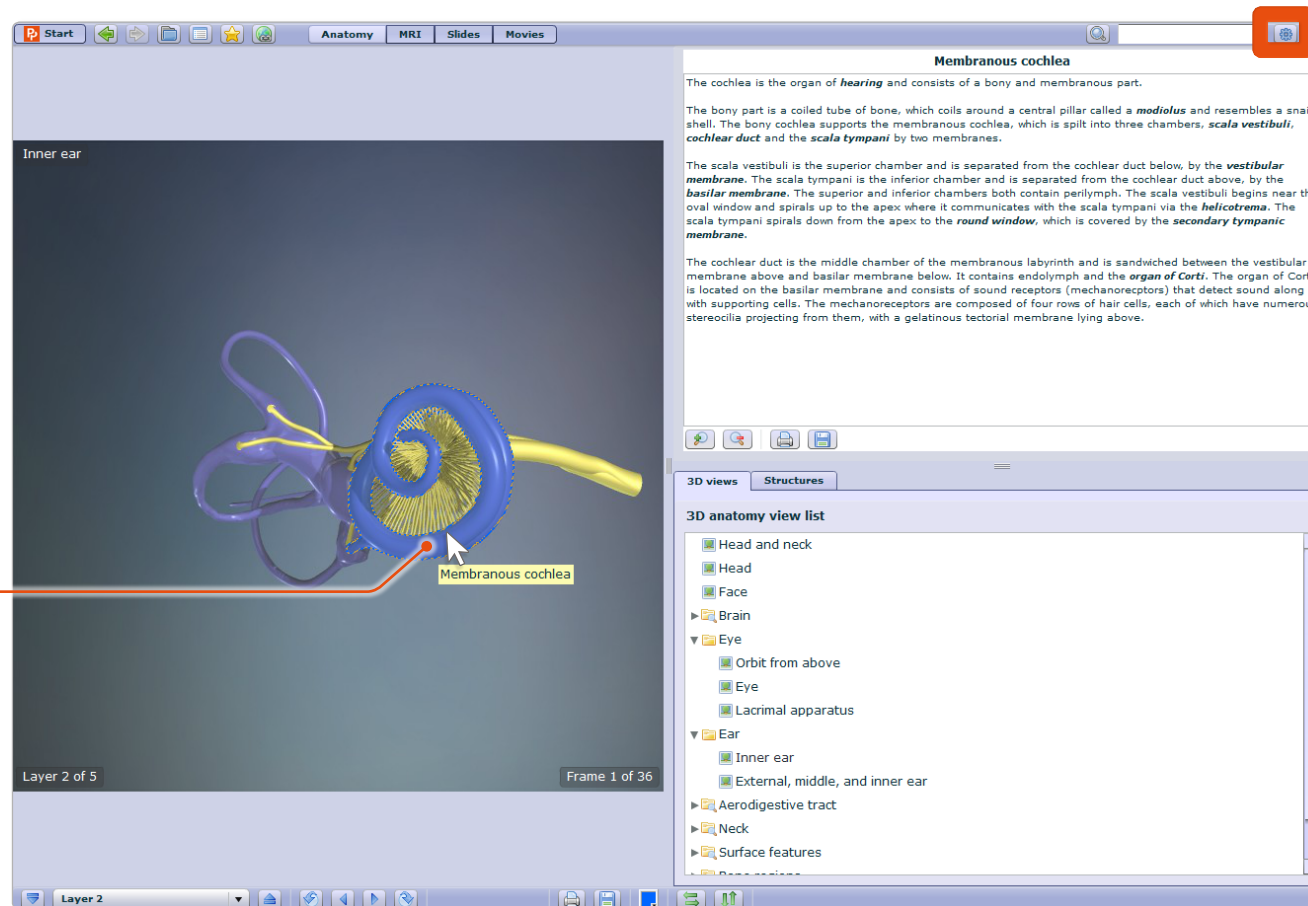
Identifying structures – Rollover labels



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.

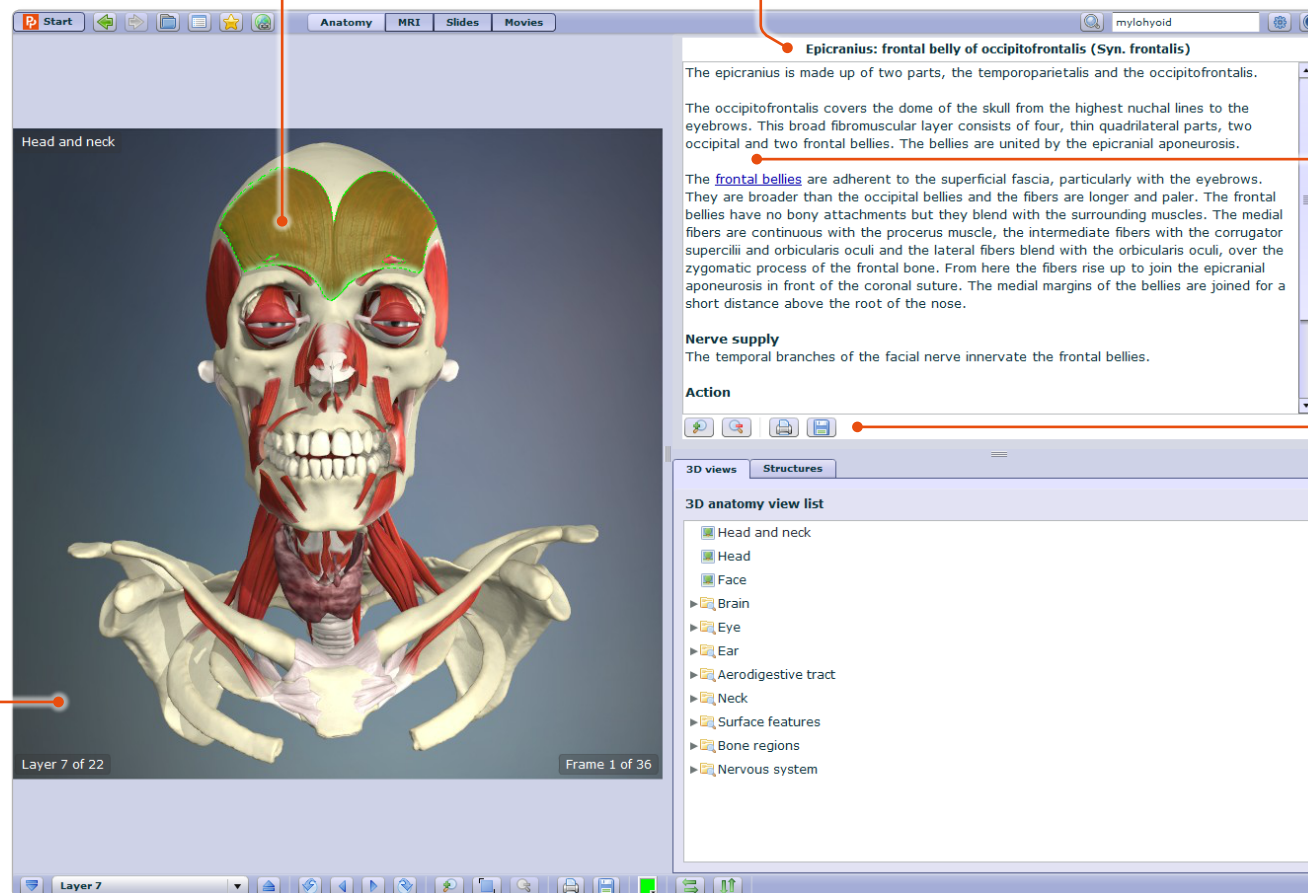
1 Here, the Epicranius has been clicked on

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

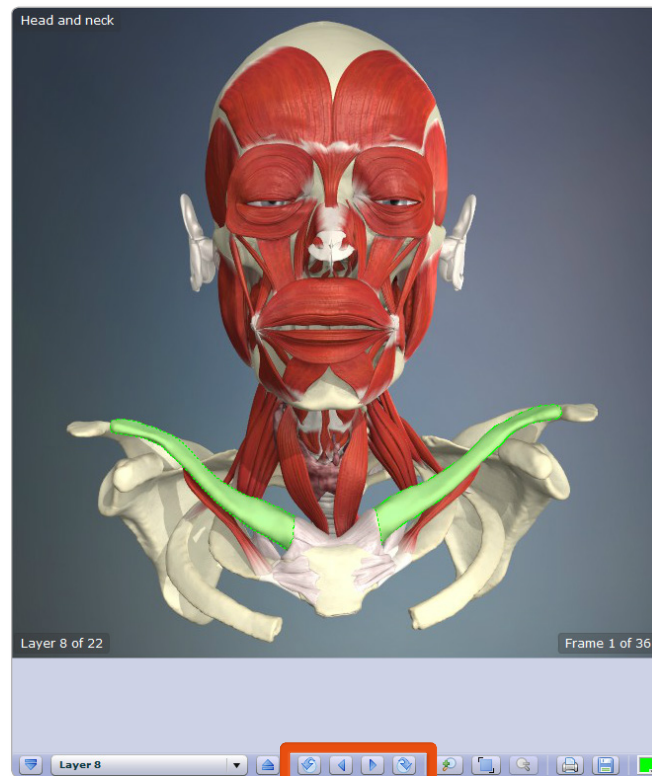


Interacting with the 3D model – Sequences

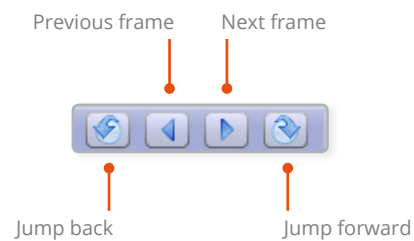


Every 3D view features a sequence of images. These 3D sequences usually take the form of rotations, enabling you to study the anatomy through 360 degrees.

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



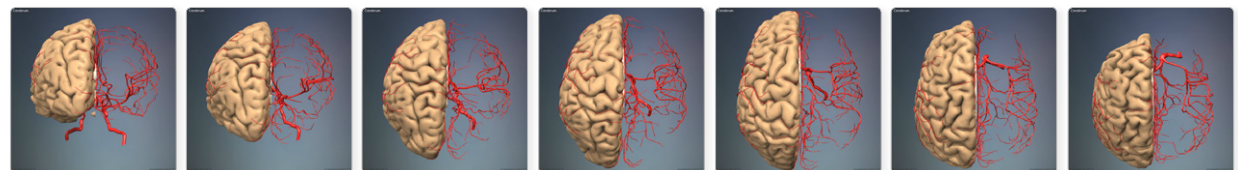
Frame controls



PART OF A HORIZONTAL ROTATION SEQUENCE



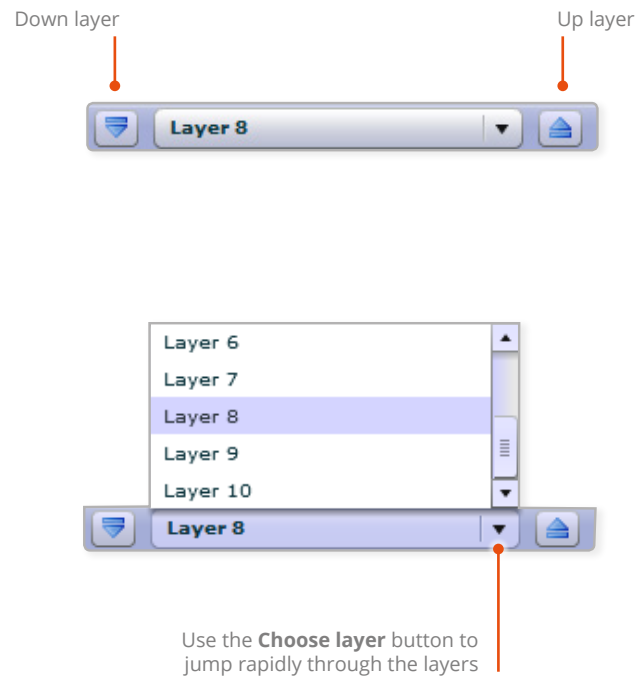
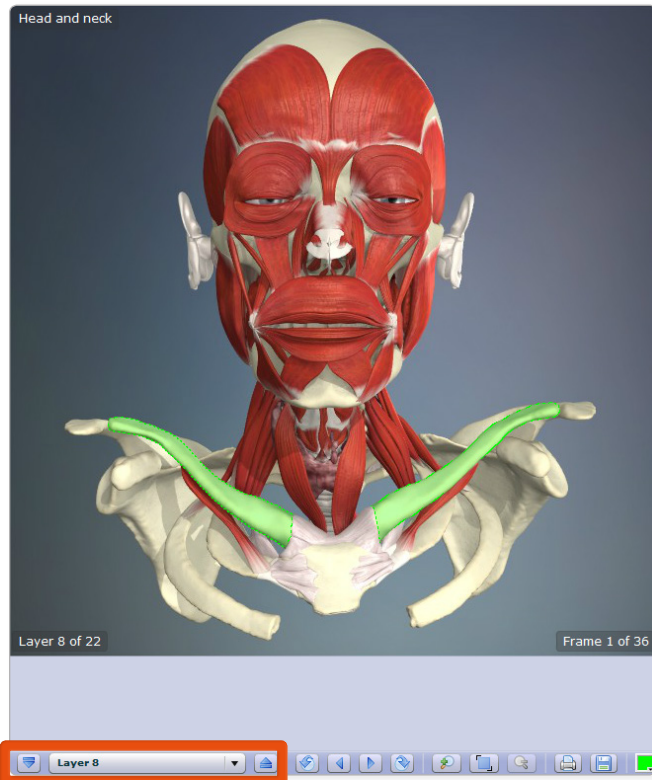
SOME SEQUENCES ALSO SHOW VERTICAL ROTATIONS



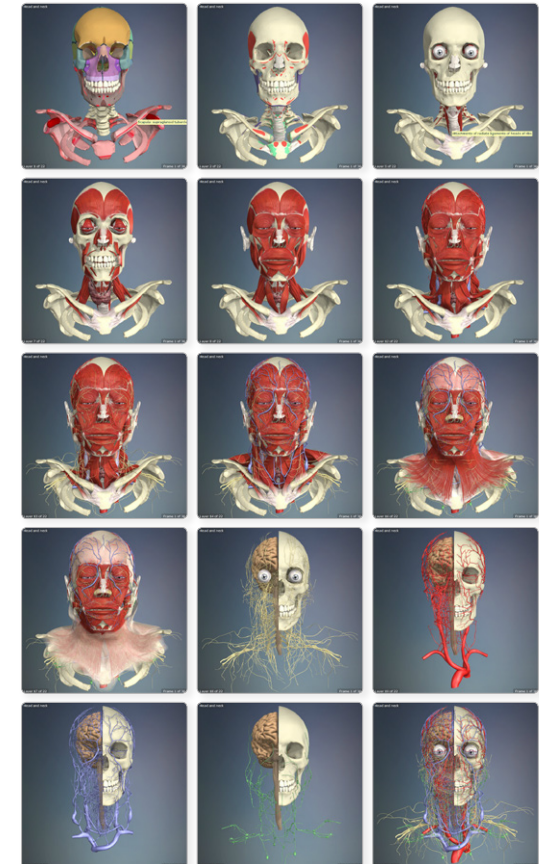
Interacting with the 3D model – Layers



All 3D views also feature numerous layers. You use the control buttons on the bottom toolbar to Navigate through them.



EXAMPLES OF HEAD AND NECK LAYERS



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



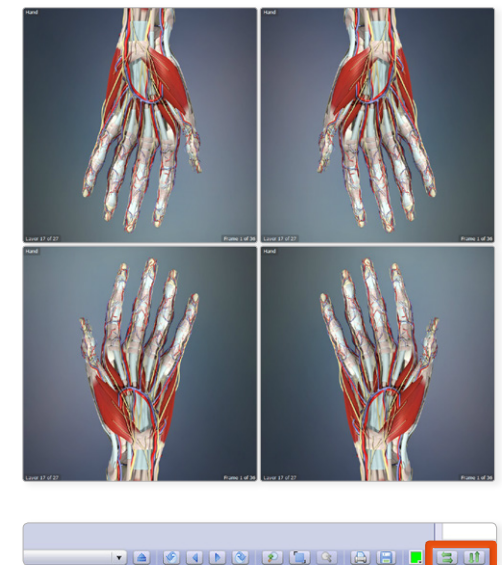
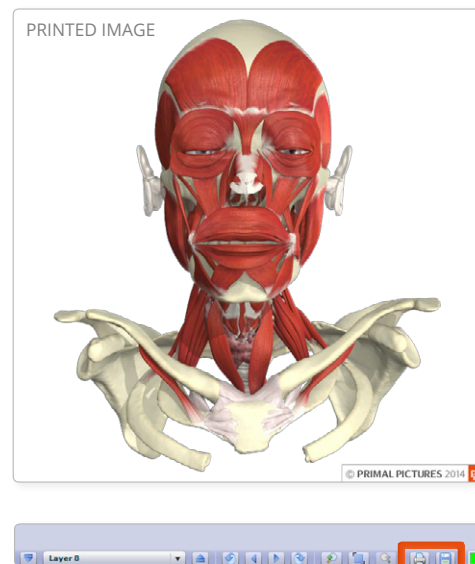
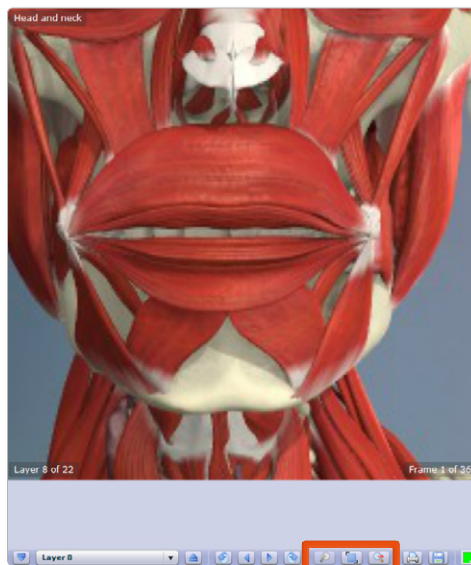
Print image Save image



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)

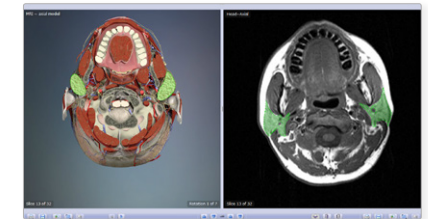
Note that the MRI slides are taken from a different specimen to our 3D model – therefore, due to anatomical differences, the two views will not match completely.

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

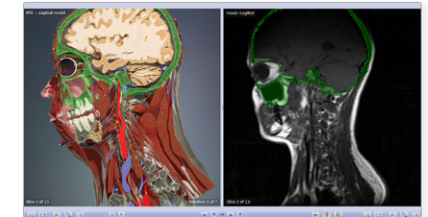
However, you can unlink them by toggling the **Link slices** button – useful if you cannot see a particular structure in both panes.

Link slices button

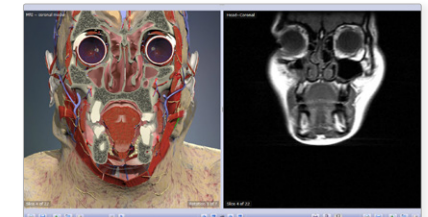
AXIAL PLANE



SAGITTAL PLANE



CORONAL PLANE



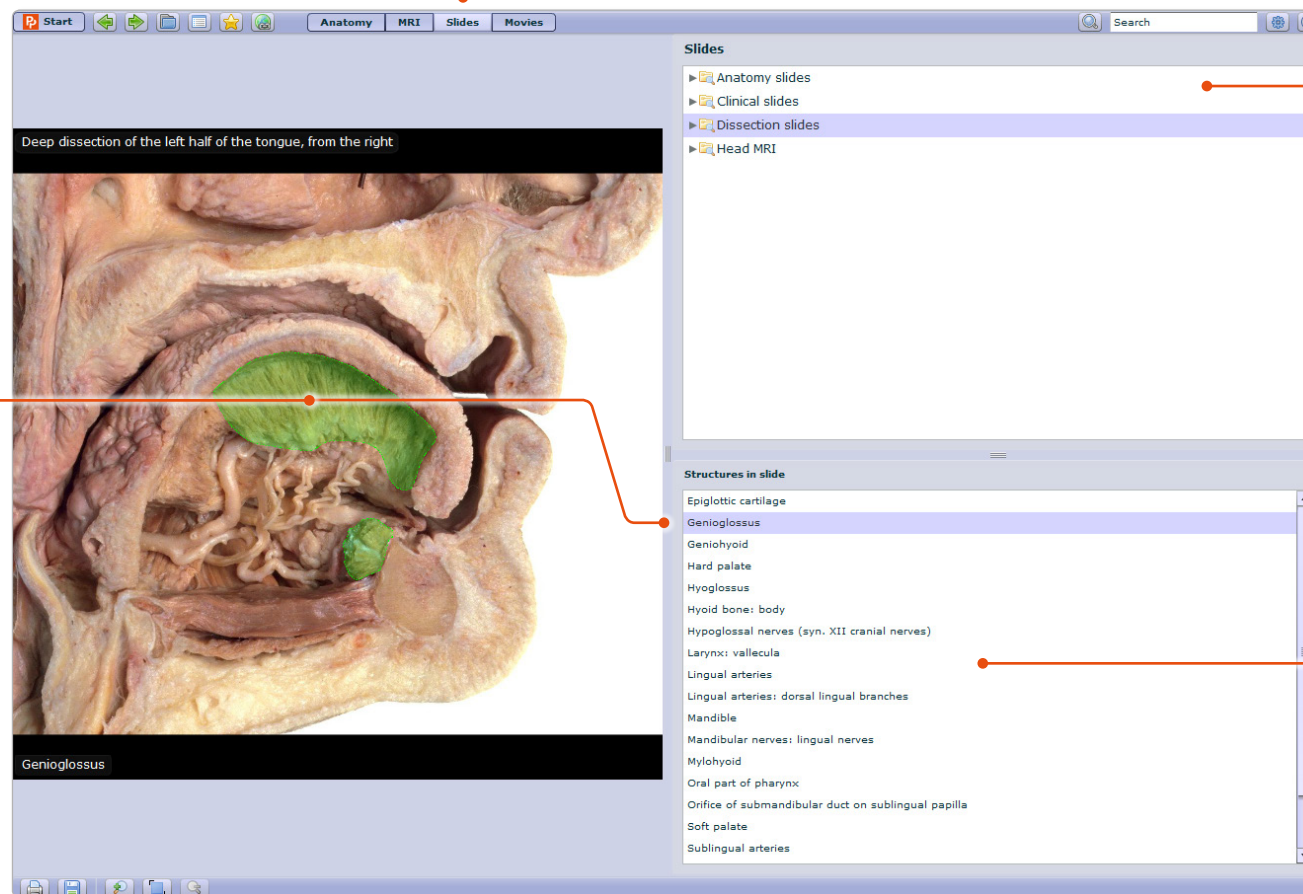
Use these buttons to choose whether to view the Axial, Sagittal or Coronal plane

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.

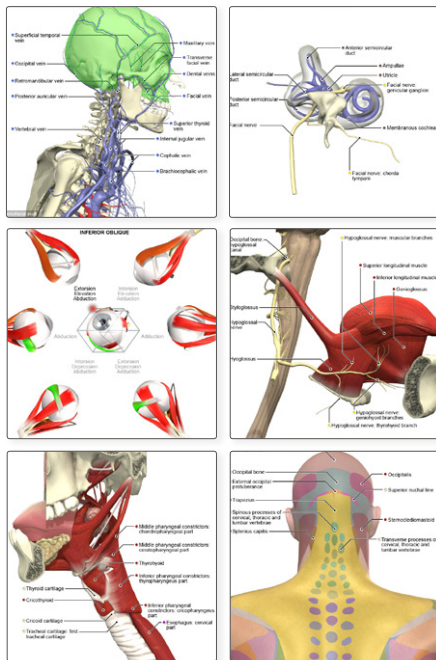
2

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

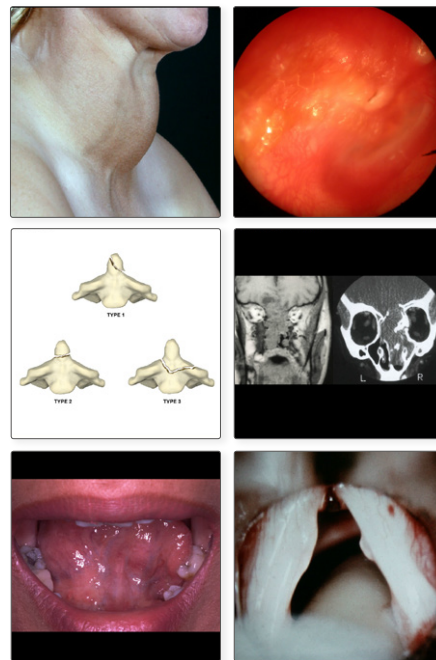
Main interface – Slides tab (continued)

The Slides tab content is divided into four types.

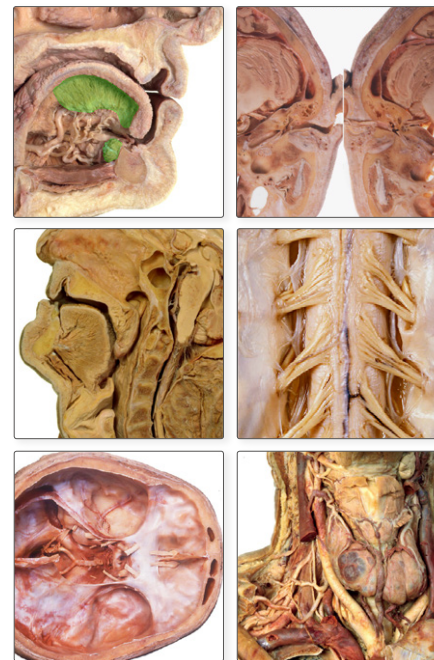
Anatomy slides are annotated diagrams or photographs, showing selected areas of anatomical interest.



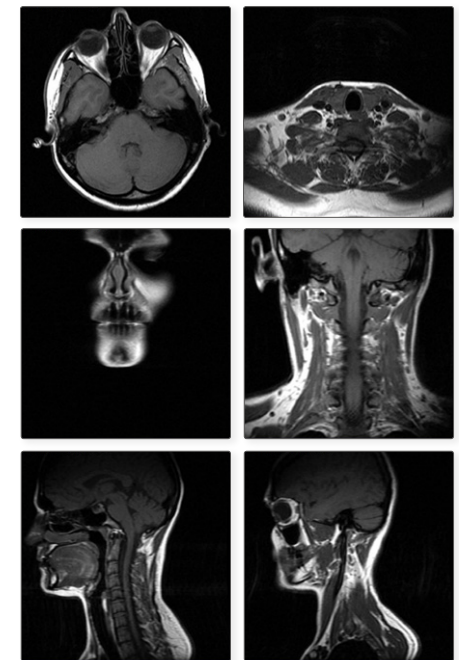
The **Clinical slides** consist of photographs, scans and diagrams of common and notable clinical conditions.



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



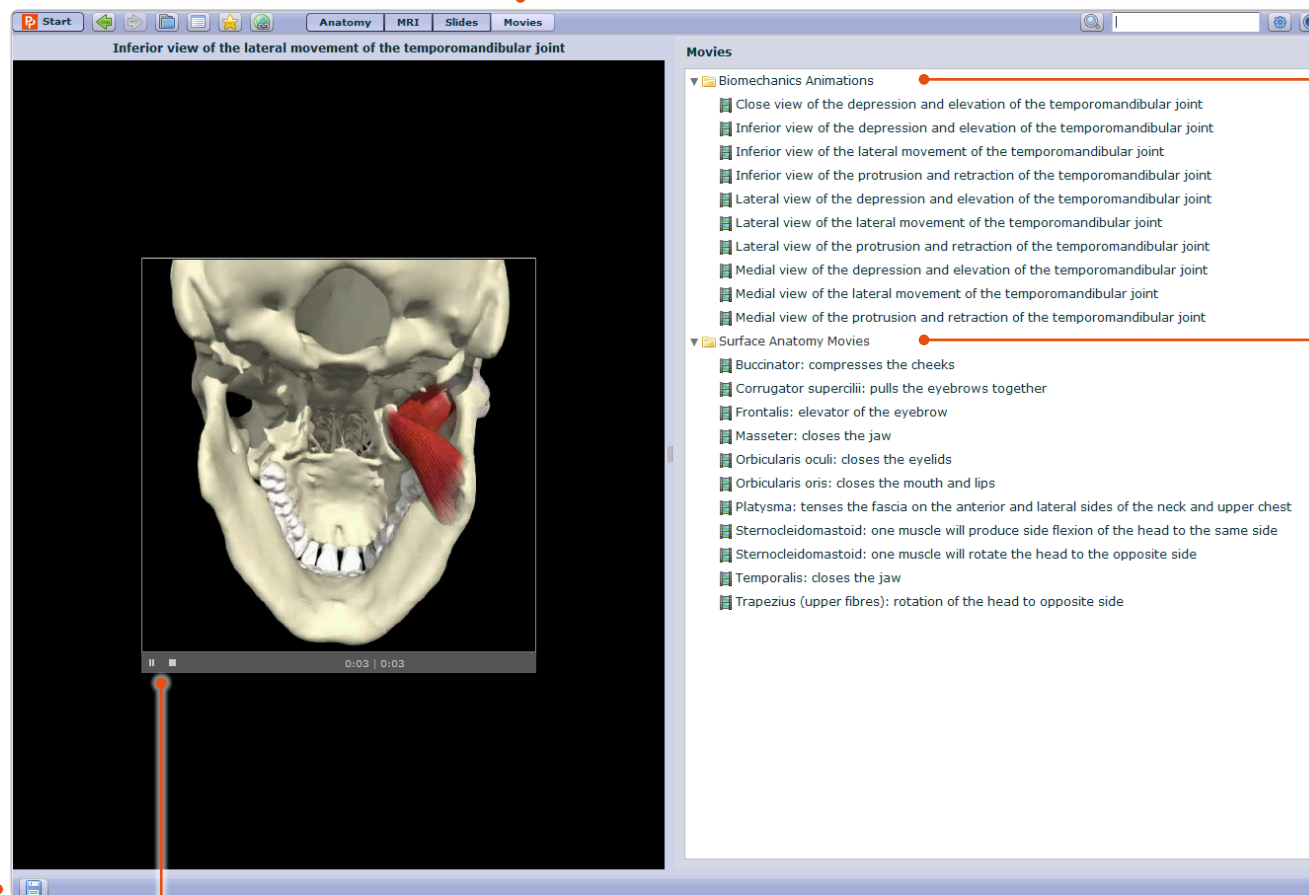
The **MRI slides** from the MRI tab are collected here, allowing you to export them for use in your own presentations, patient education, and student handouts.



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.

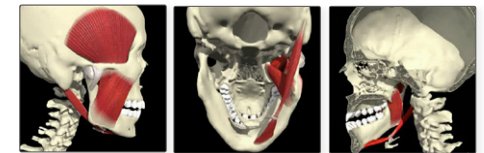
MOVIES TAB



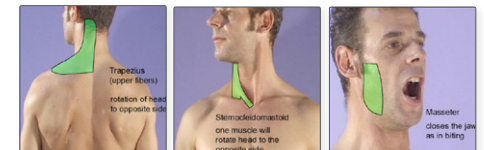
Movies and animations can be saved to your computer for you to use in PowerPoint and other multi-media presentations

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.



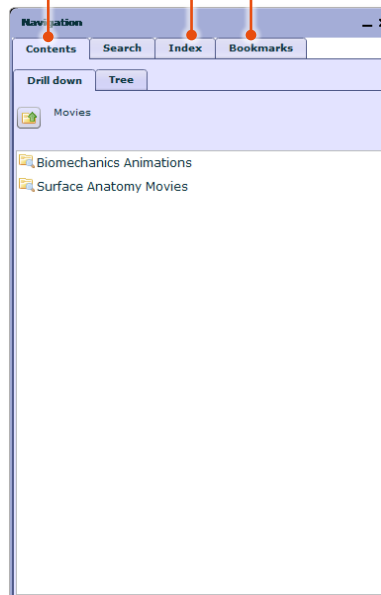
Back / Forward

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.

Weblink - highlight and copy text below:

<http://anatomy.tv/GotoView.aspx?productname=interactivehead2014&modelID=1&mediaID=9047967&structureID=1&mediaTypeID=2&productID=442>

OK

Customisation – Saving bookmarks

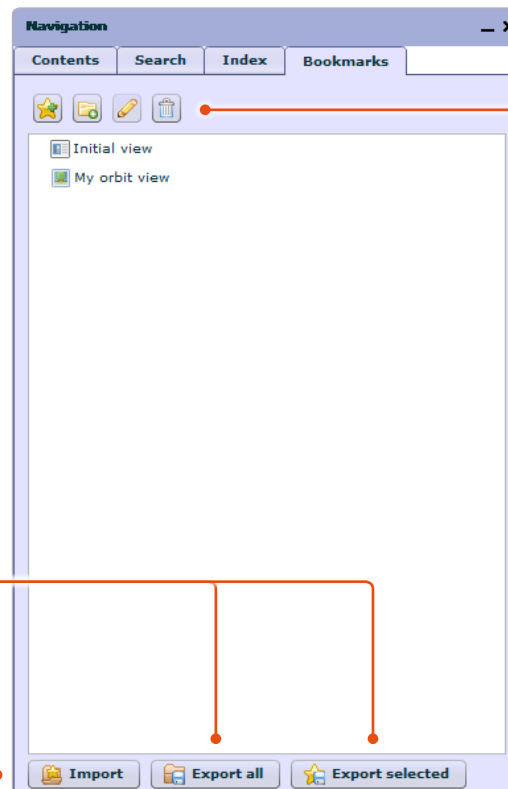


Save your favorite images, slides, movies, and animations into your own folders.



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.

