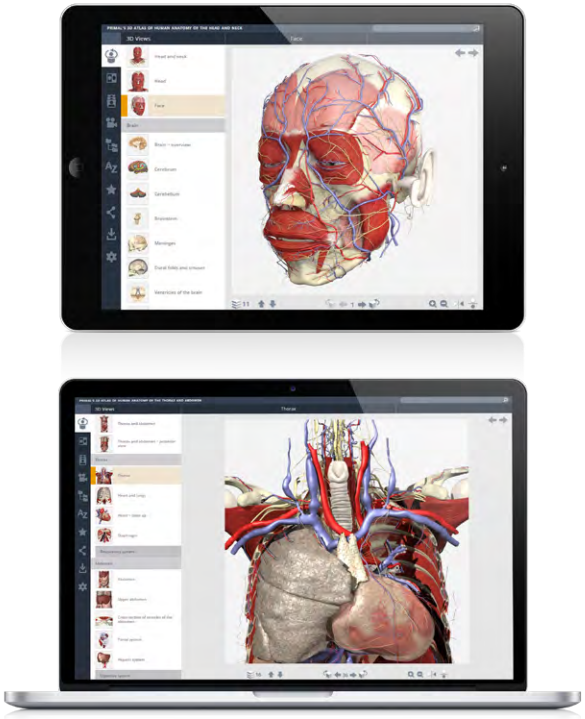
Primal's 3D Atlas and 3D Human

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



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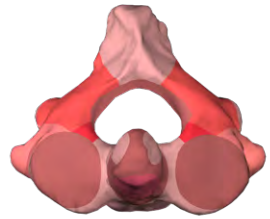
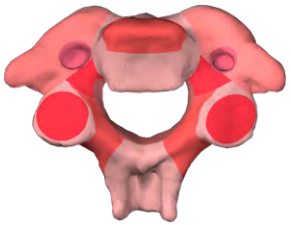




Main interface – Overview

The interface consists of three main areas:

Tab panel

Use this panel to navigate through the content. The tabs down the left-hand-side allow you to access this content by media type, structure type or alphabetically.

The lower tabs allow you to share, save content, as well as adjust the settings.

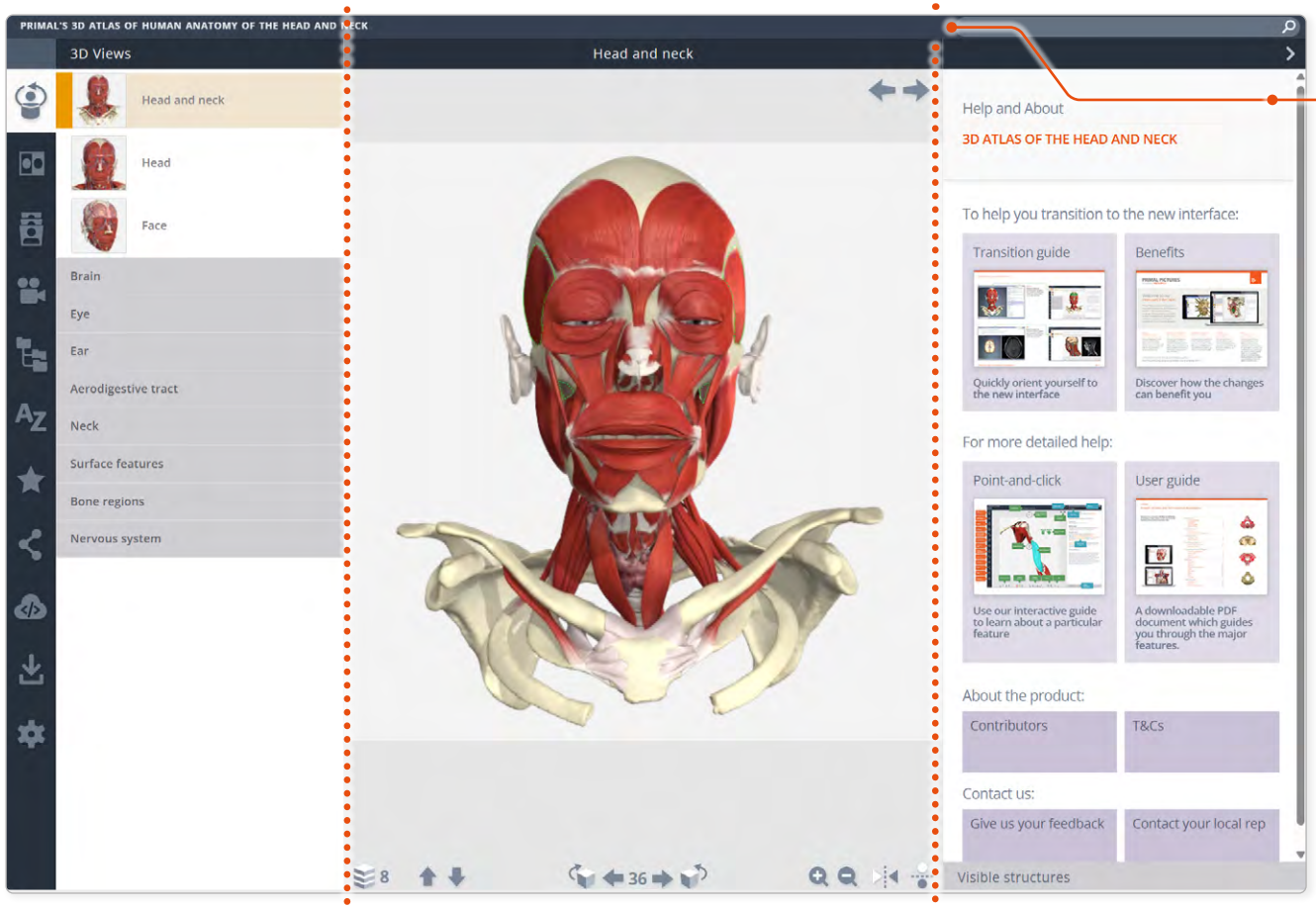
View panel

This area is where you can view and interact with content.

Text panel

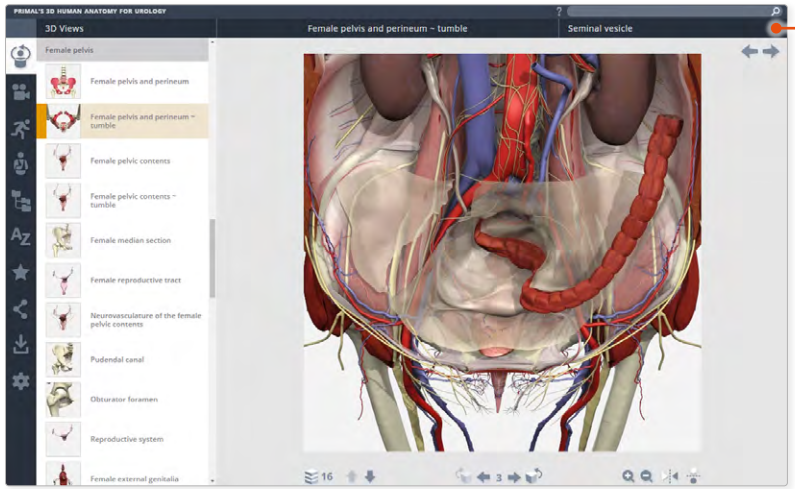
This panel is where you can read about structures you've selected in the **View panel**. You can also search for content, as well as selecting from the list of **Visible structures**.

When you first launch the product, the **Text panel** contains the **Help and About** section, which can be accessed at any time by clicking on the Help icon .



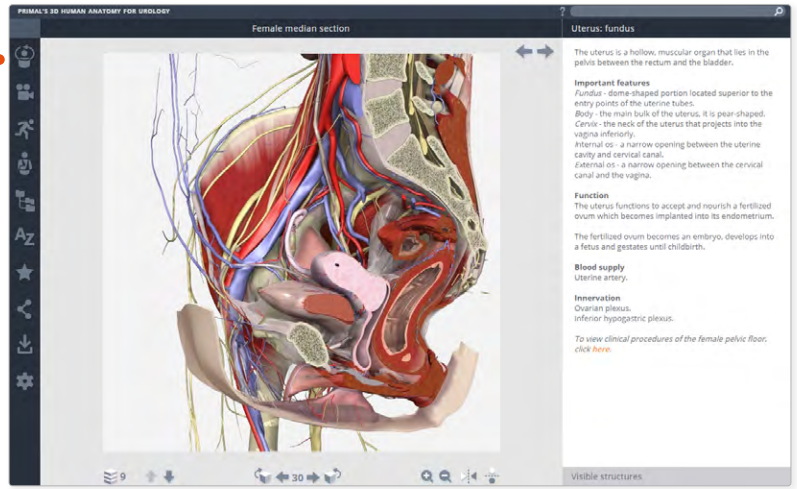
Main interface –
Opening and closing panels

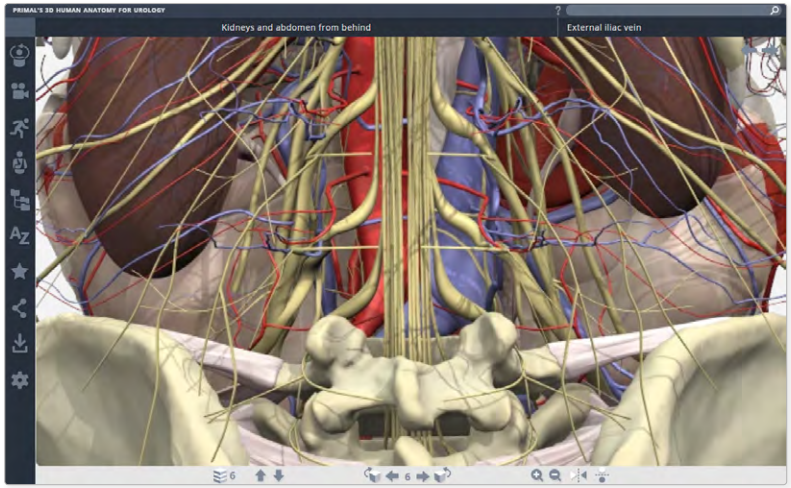
You can arrange the workspace to suit your needs.
This can be especially useful on smaller screens or tablet devices.



To open or close the **Text panel**, click on the header.

To close the **Tab panel**, click on the active menu tab.





For even more focus, both panels can be closed.

In this example, the view has been enlarged using the Zoom controls.

Finding content –
3D views panel

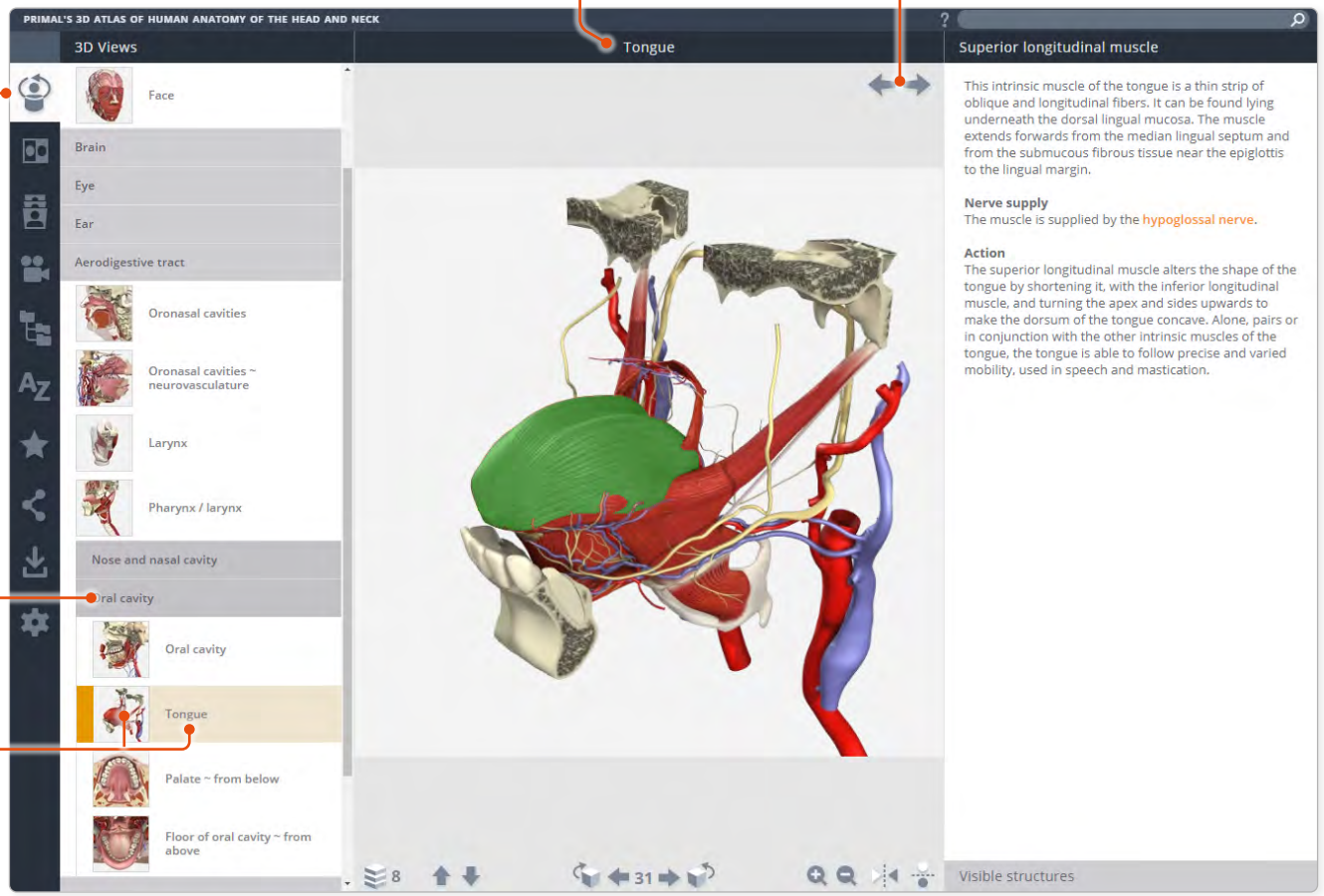
There are several ways to locate anatomical structures. Firstly, you can browse the **3D views** in the Tab panel.

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

3 The name of the view appears here.

Use these buttons to move backwards and forwards through your viewing history.

3D VIEWS TAB



1

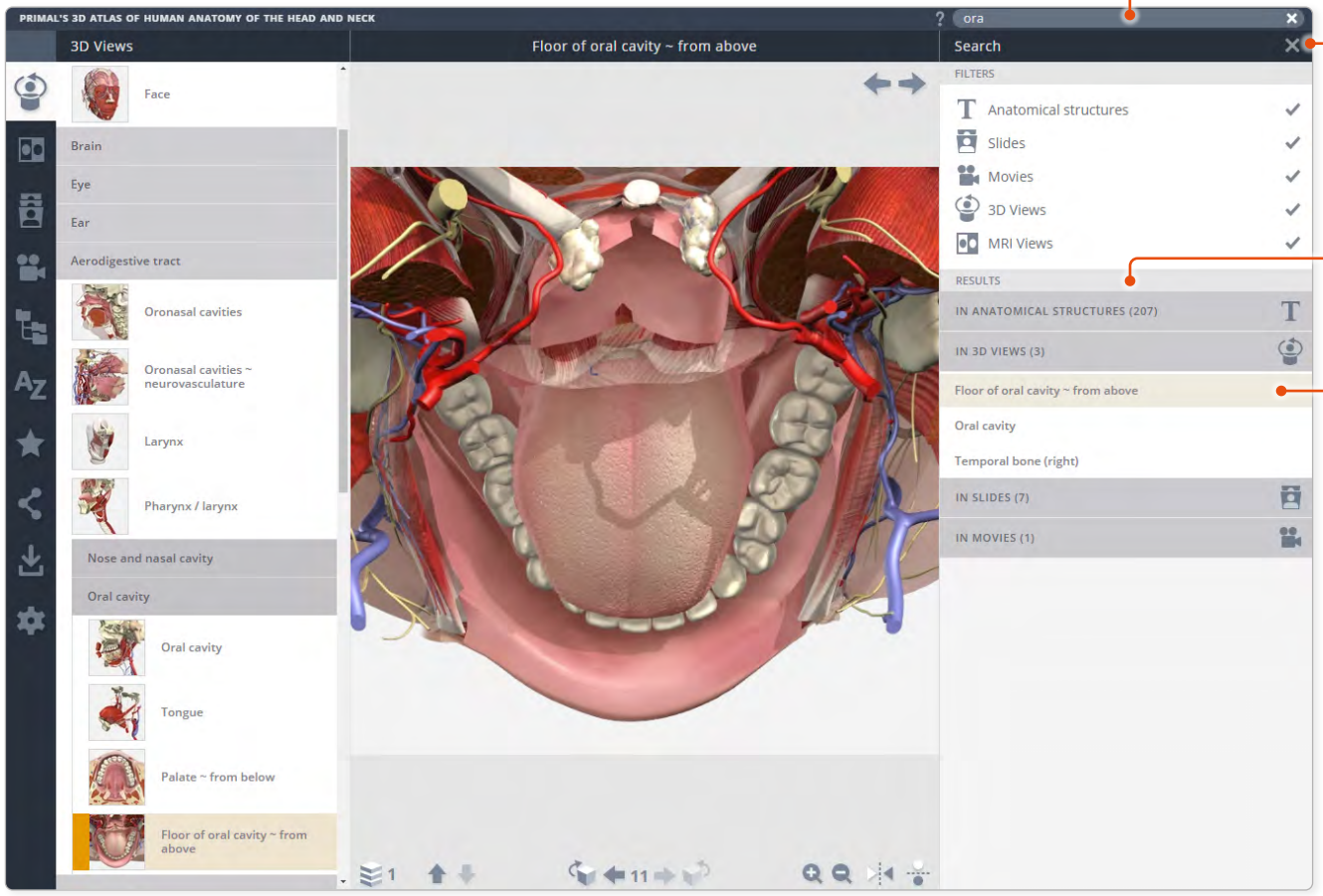
The content is arranged into folders. Simply click on a folder to open it.

2

Each 3D view has a thumbnail preview. Click on the thumbnail (or the title next to it) to load that view into the View panel.

Finding content –
Search panel

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



1 Begin typing your search term here – the Search panel will appear over the top of the Text or View panel below.

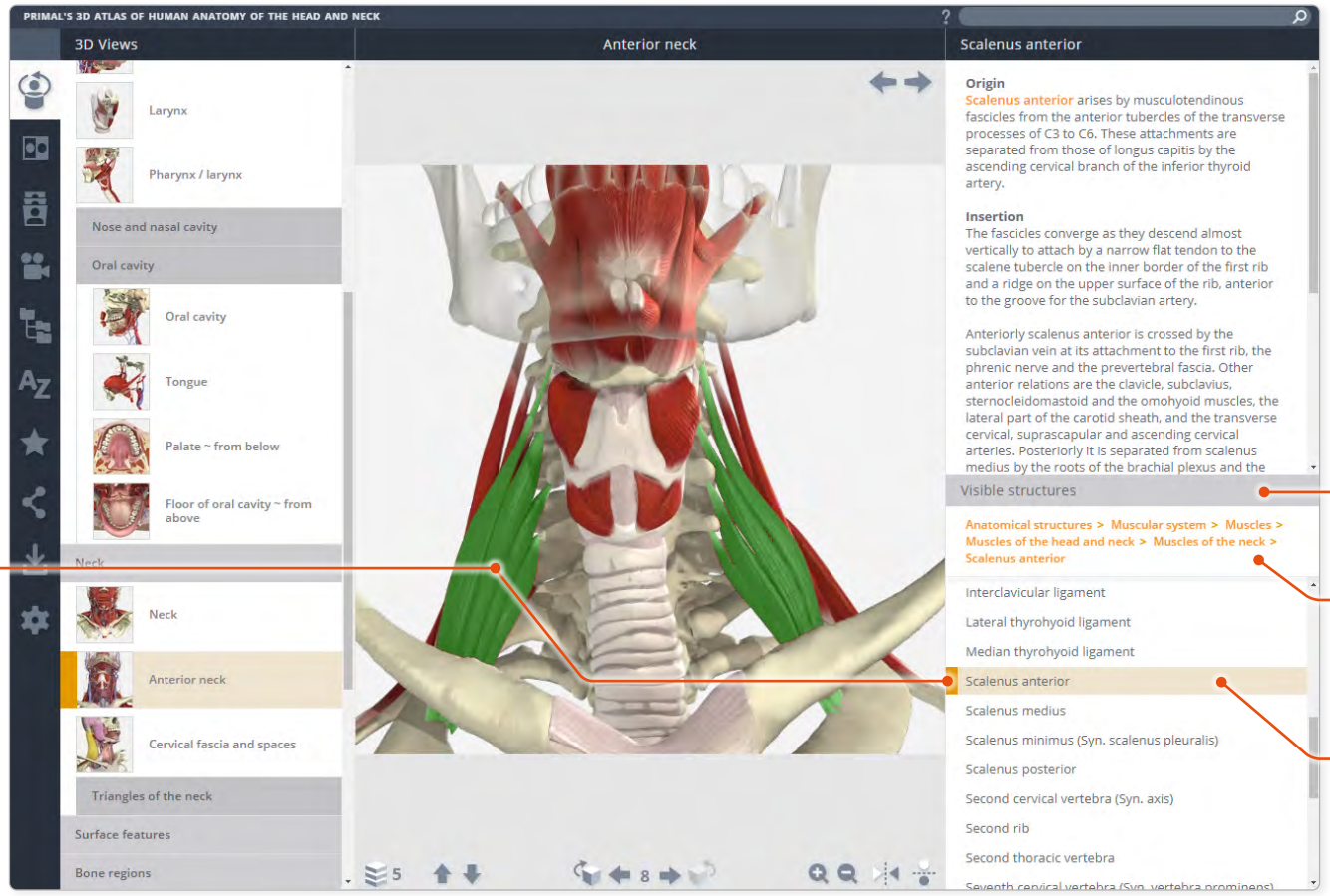
2 The search results will appear below, sorted into folders. (You can uncheck the filters above if you are looking for only a certain type of content.)

3 Open a folder and click on the desired result to load it into the View panel.

4 Once you have completed your search, close the Search panel by clicking on the cross.

Identifying structures –
Visible structures list

Visible structures lists only those structures included in the current view. You can select a structure name from the list to highlight that structure in the View panel.



3

Alternatively, you can select a structure in the View panel and its name will be highlighted in the Visible structures list.

VISIBLE STRUCTURES

2

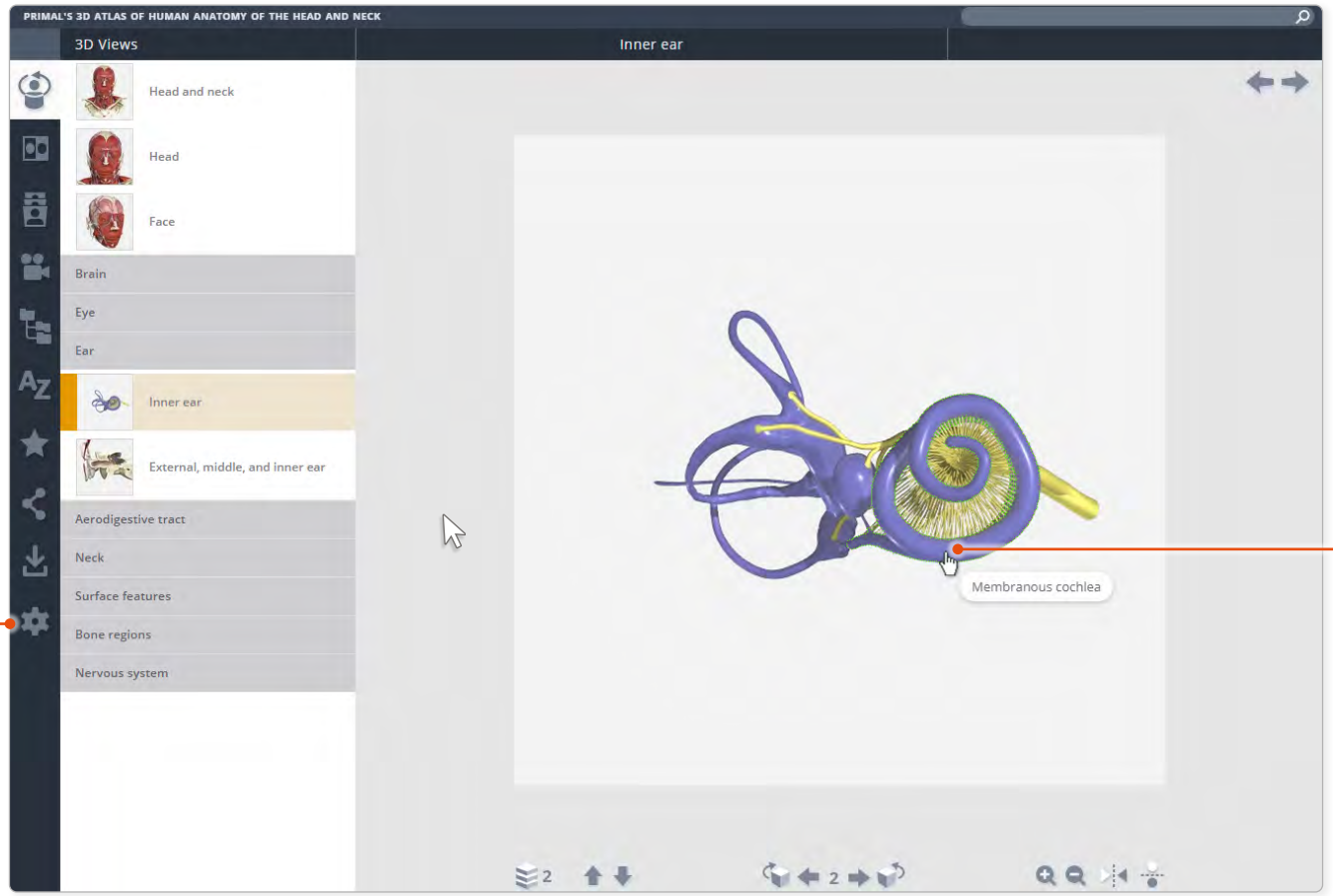
The 'cookie-crumb trail' shows the structure's location in the anatomical hierarchy.

1

Select a structure name to highlight it in the View panel.

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

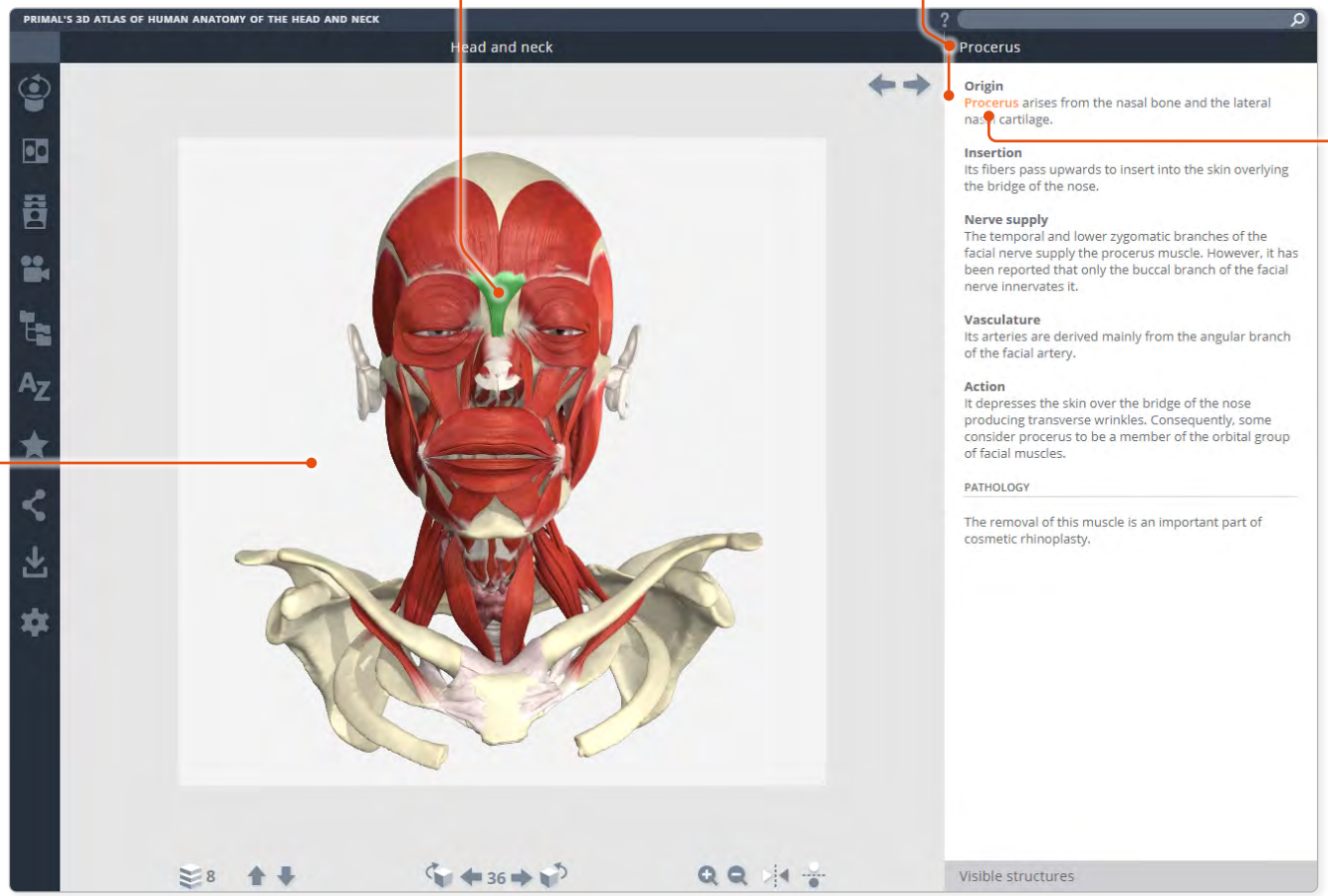
You can turn off the rollover labels in Settings. For example, you may wish to test yourself on the names of structures in the View panel.

Interacting with the 3D model –
Selecting structures

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

1 Here, the Procerus has been clicked on.

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

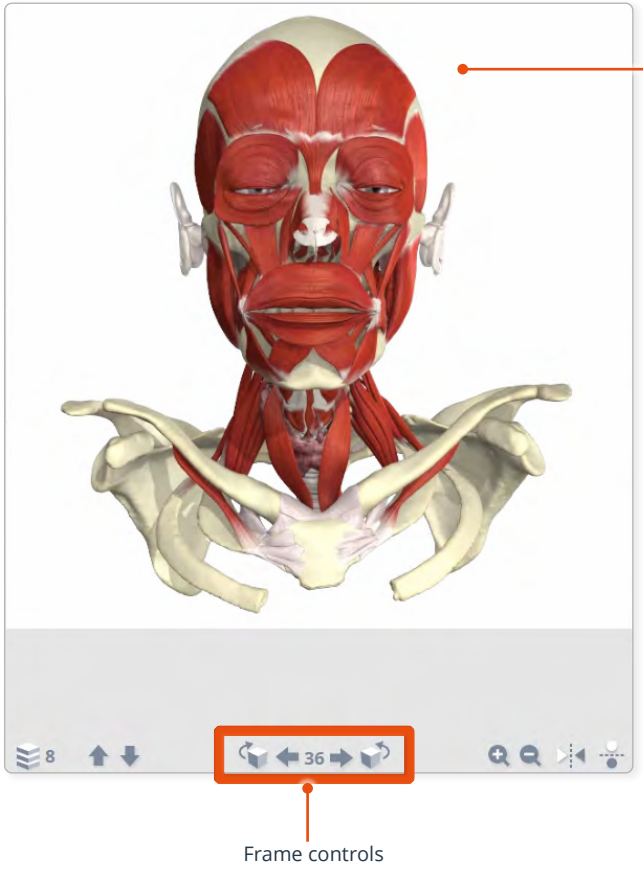


3 Most texts include links to related content.

4 You can deselect structures by clicking on the background.

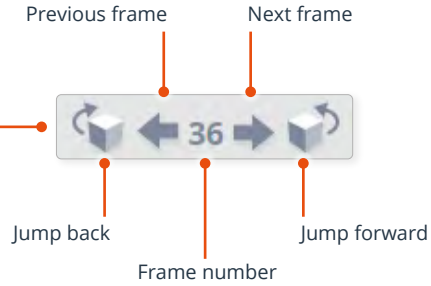
Interacting with the 3D model – Sequences

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



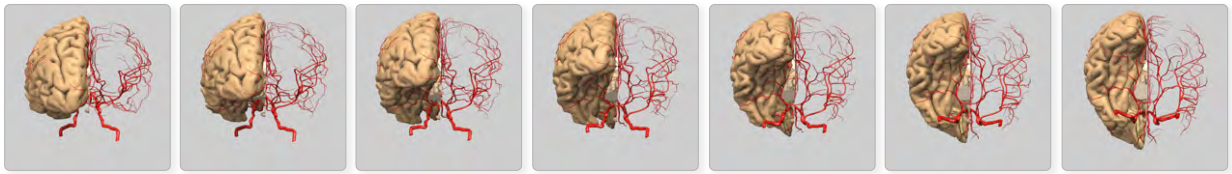
Drag with your mouse or finger in the image area of the View panel to move through the frame sequence.

For finer control, use the Frame controls at the bottom of the View panel.



PART OF A HORIZONTAL ROTATION SEQUENCE

SOME SEQUENCES ALSO SHOW VERTICAL ROTATIONS



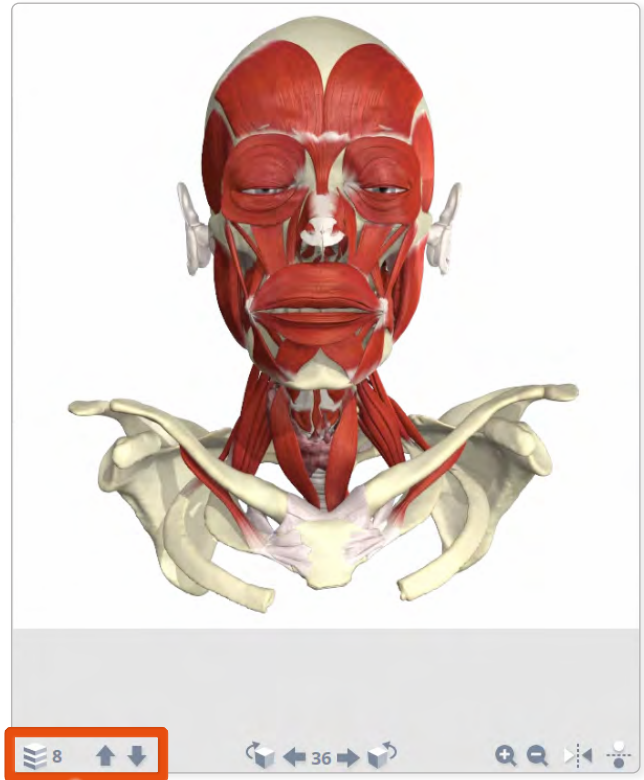
Interacting with the 3D model – Layers

All 3D views also feature numerous **layers**. Use the control buttons on the bottom toolbar to navigate through them.

Use the **Choose layer** button to jump rapidly through the layers.

Up layer

Down layer

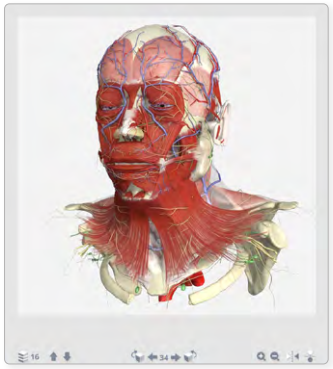


Layer controls

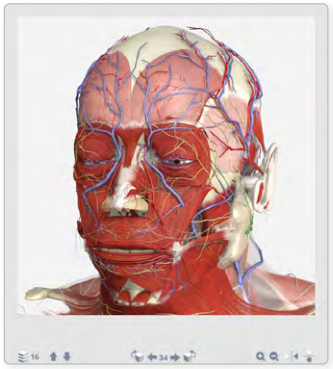
EXAMPLES OF HEAD AND NECK LAYERS

Note that when you choose a different 3D view, your layer and frame selection will remain the same in the new view...

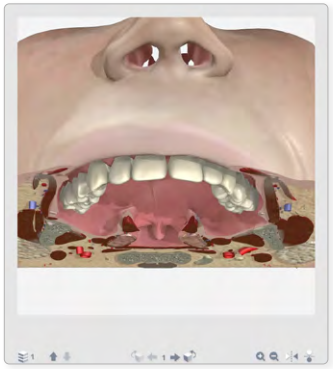
... however, if the new view doesn't have that particular layer (or frame), it will be reset to 1.



HEAD AND NECK



HEAD



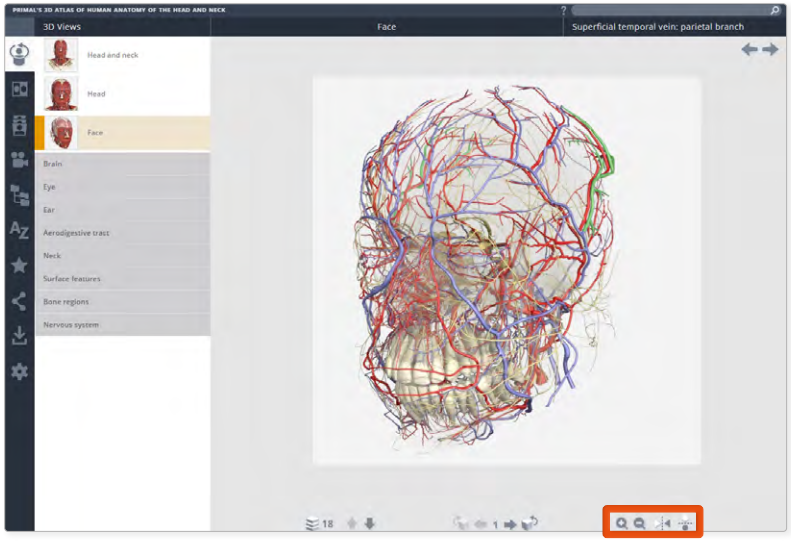
PALATE ~ FROM BELOW

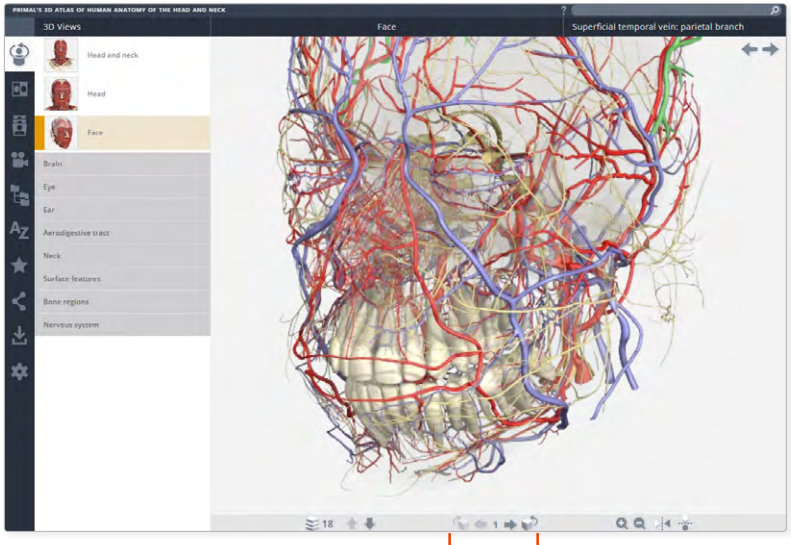
Interacting with the 3D model – Zoom and Flip

The **Zoom** controls allow a closer look at the model.

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 Zoom out

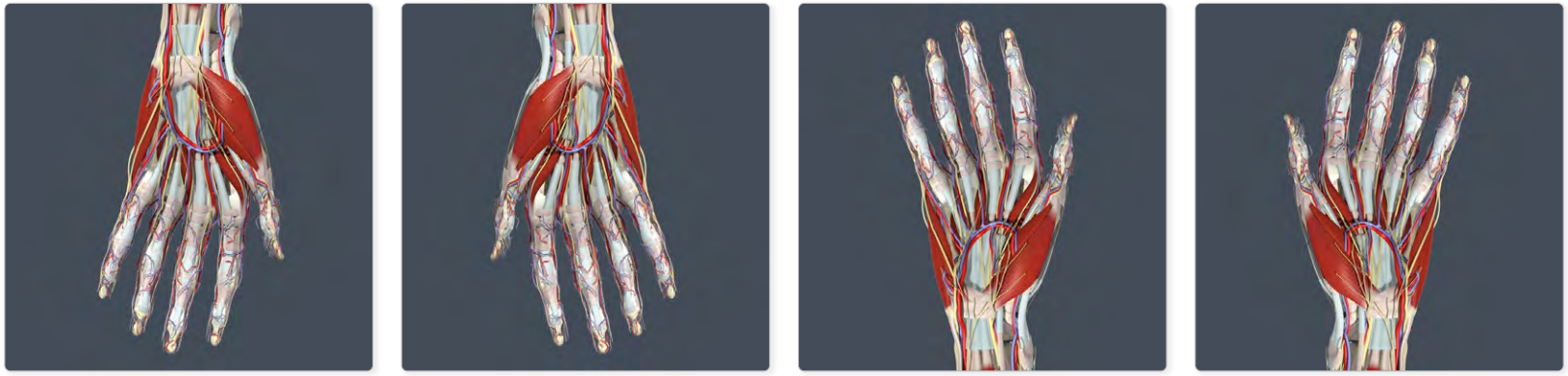




While zoomed in, dragging with the mouse or finger will move rather than rotate the image. If you wish to rotate the image while zoomed, use the Frame controls

The **Flip** controls are useful when you want to show the opposite side of the body, or change the view's vertical orientation.

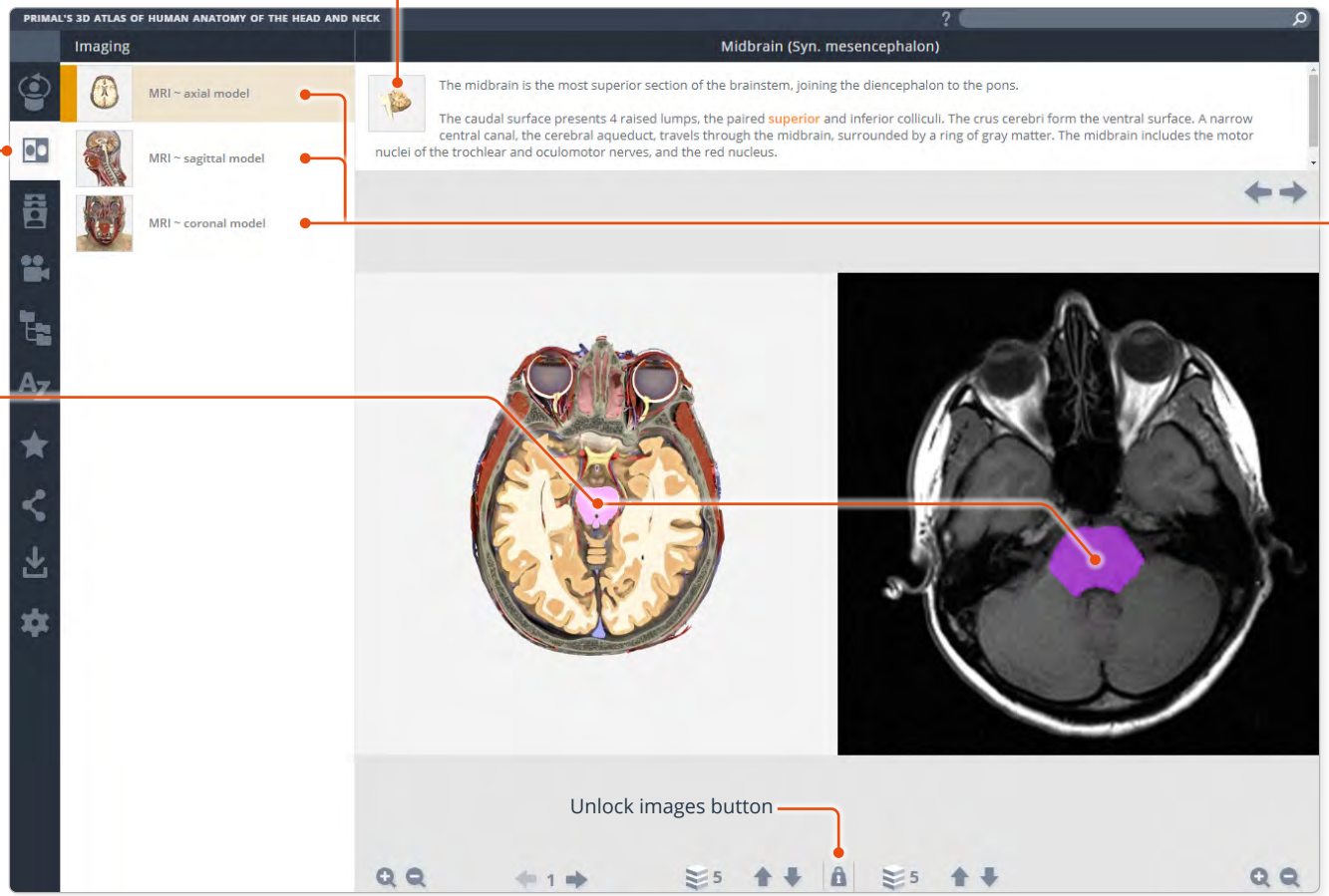
Flip horizontally Flip vertically



Tab panel –
Imaging

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

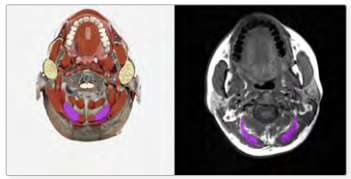
Clicking on the **Best view** thumbnail will open that view in the View panel.



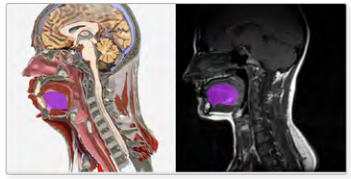
IMAGING TAB

Choose whether to view the Axial, Sagittal or Coronal plane by selecting the thumbnails in the Tab panel.

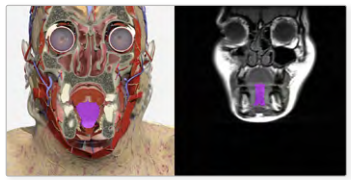
AXIAL PLANE



SAGITTAL PLANE



CORONAL PLANE



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

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

Use the **Change plane position** buttons to move through the slices. By default they control both panes simultaneously. However, you can unlink them by toggling the **Unlock images**** button – useful if you cannot see a particular structure in both panes.

Unlock images button

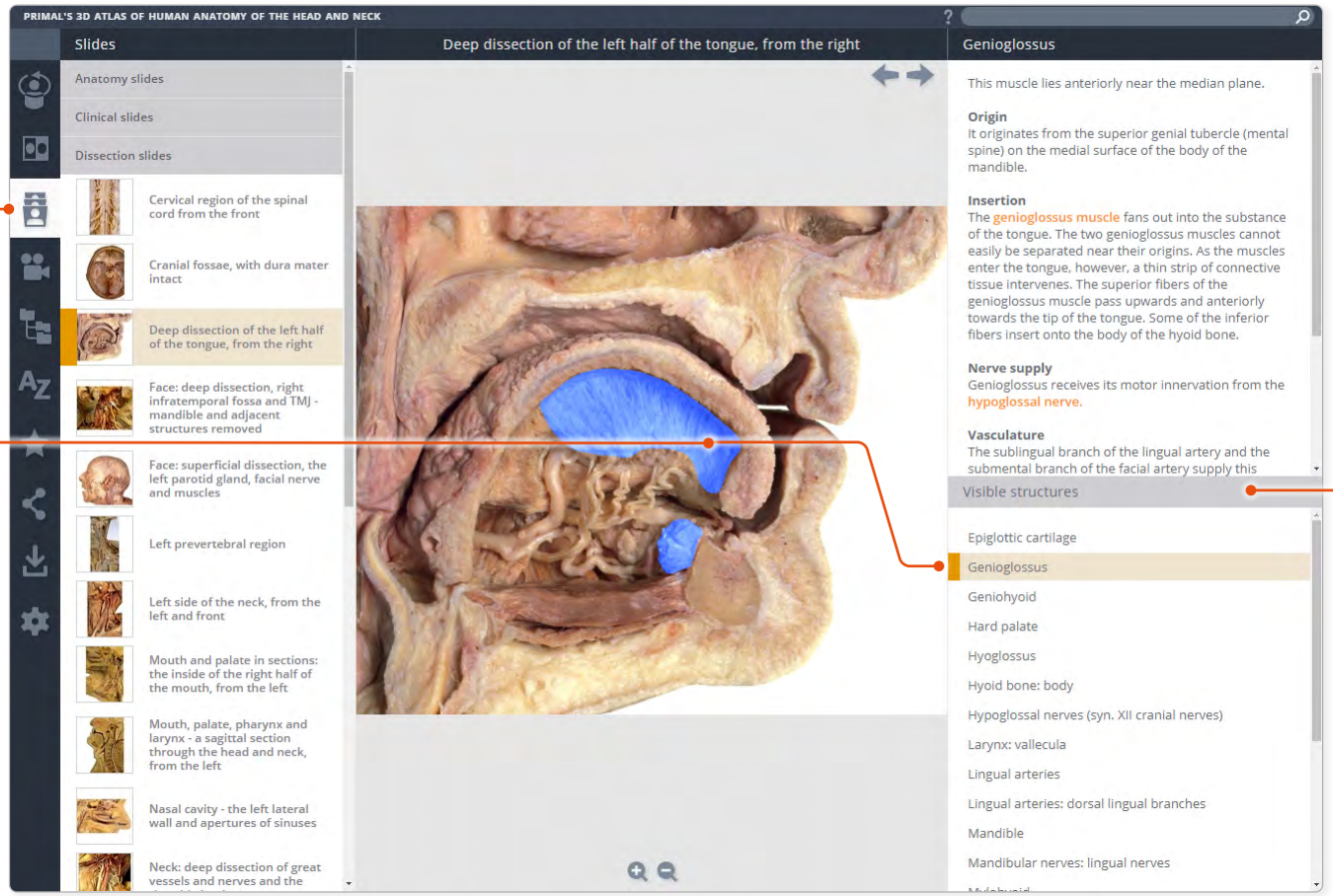
* The Imaging panel features in the 3D Atlas titles; Ultrasound titles; CT and MRI: Thorax, Pelvis and Abdomen; Otolaryngology; Chiropractic; Dentistry; Neuroanatomy.

** The Unlock images button does not appear in Ultrasound titles.

Tab panel –
Slides

The **Slides** panel* contains clinical photographs, scans and diagrams, many of which feature selectable structures.

(See the next page for the types of content that are included.)



SLIDES TAB

2

Structures may be selected in the View panel, or chosen from the Visible structures list.

1

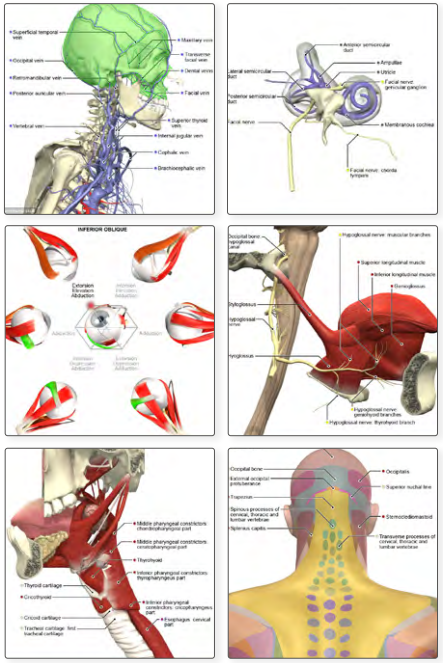
If a slide has selectable structures, the **Visible structures** bar will be shown at the bottom of the Text panel. Clicking on it expands the box, revealing the list.

* Slides do not feature in Yoga; Resistance Training; Urology; Anatomy Trains.

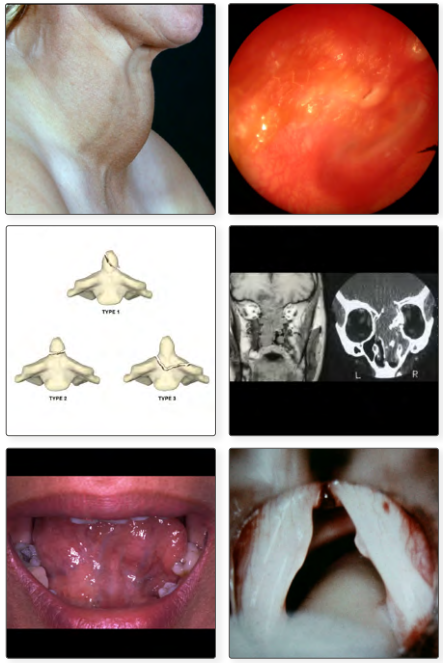
Tab panel –
Slides (continued)

The **Slides** content is divided into four types.

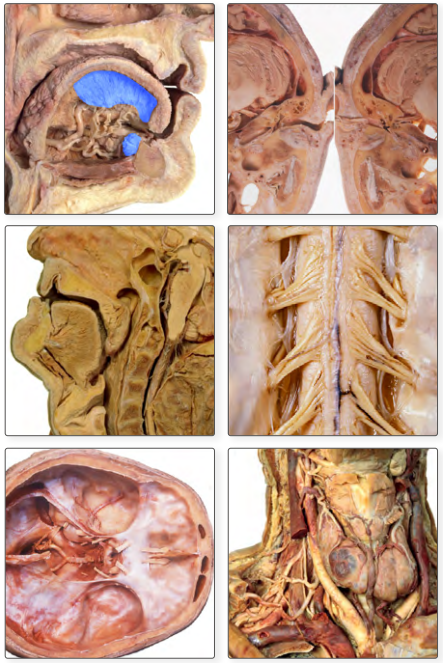
Anatomy slides are annotated diagrams or photographs, showing selected areas of anatomical interest.



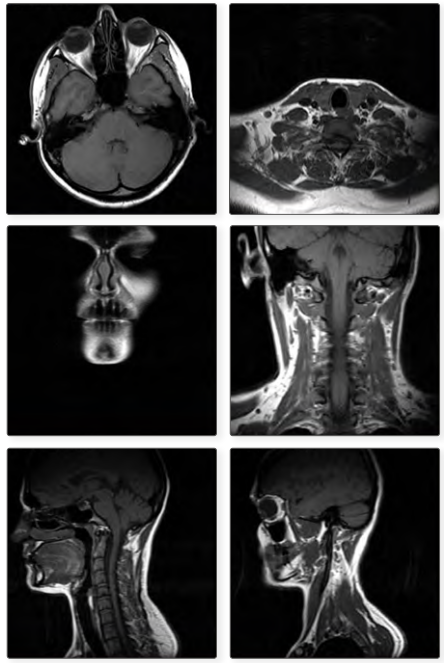
The **Clinical slides** consist of photographs, scans and diagrams of common and notable clinical conditions.



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



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



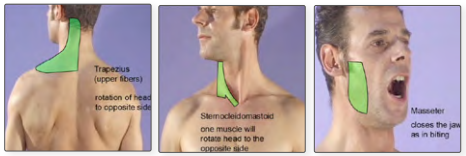
* The Slides tab in CT and MRI: Thorax, Pelvis and Abdomen does not contain MRI slides.

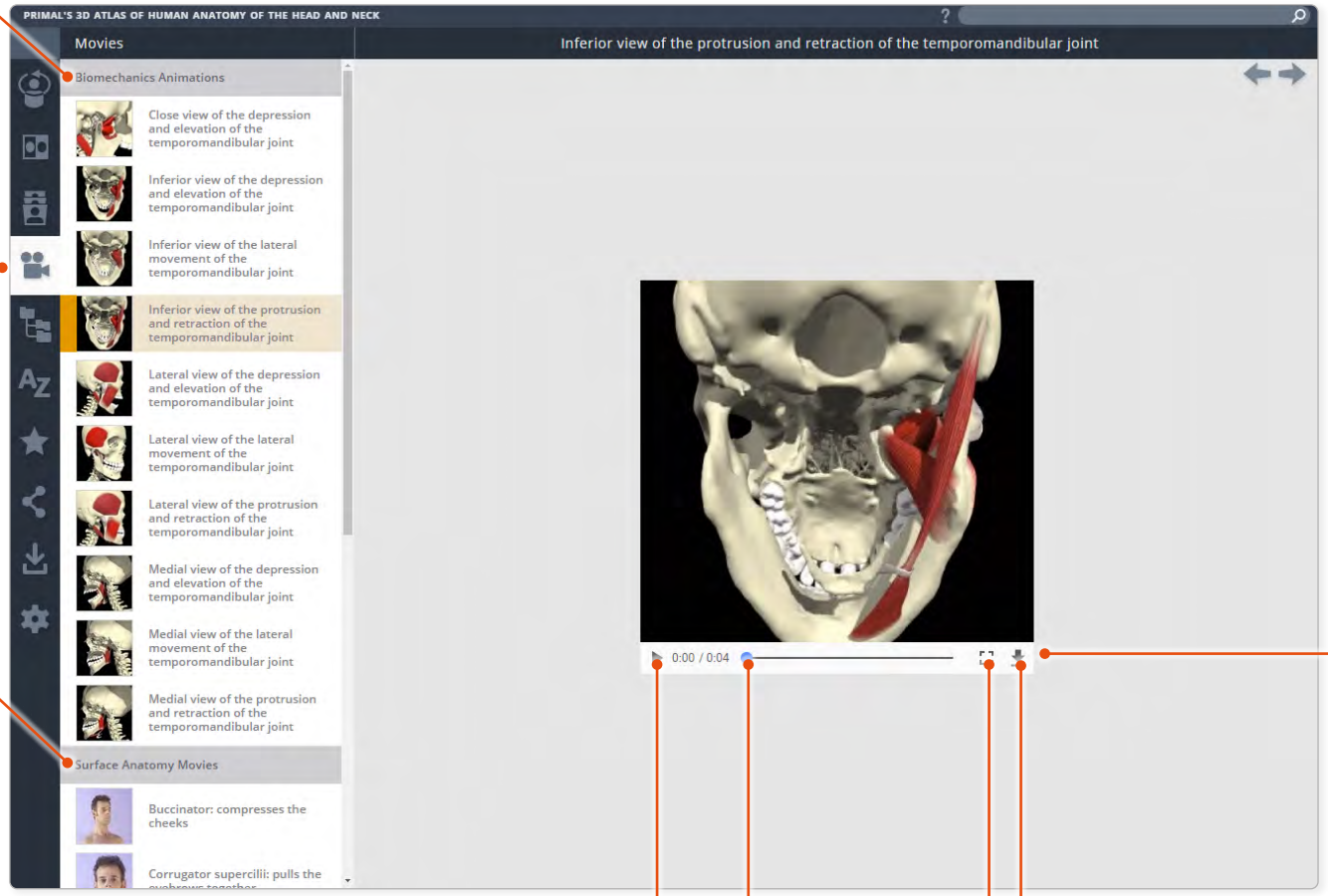
Tab panel –
Movies

The **Movies*** panel can contain movies of both the 3D model in motion and real-life movies that demonstrate anatomical concepts.

Movies of muscle movements in the 3D model

Surface anatomy movies





MOVIES TAB

Note that the movie playback controls are specific to the browser you are using.

Play/Pause

Scrub backwards and forwards

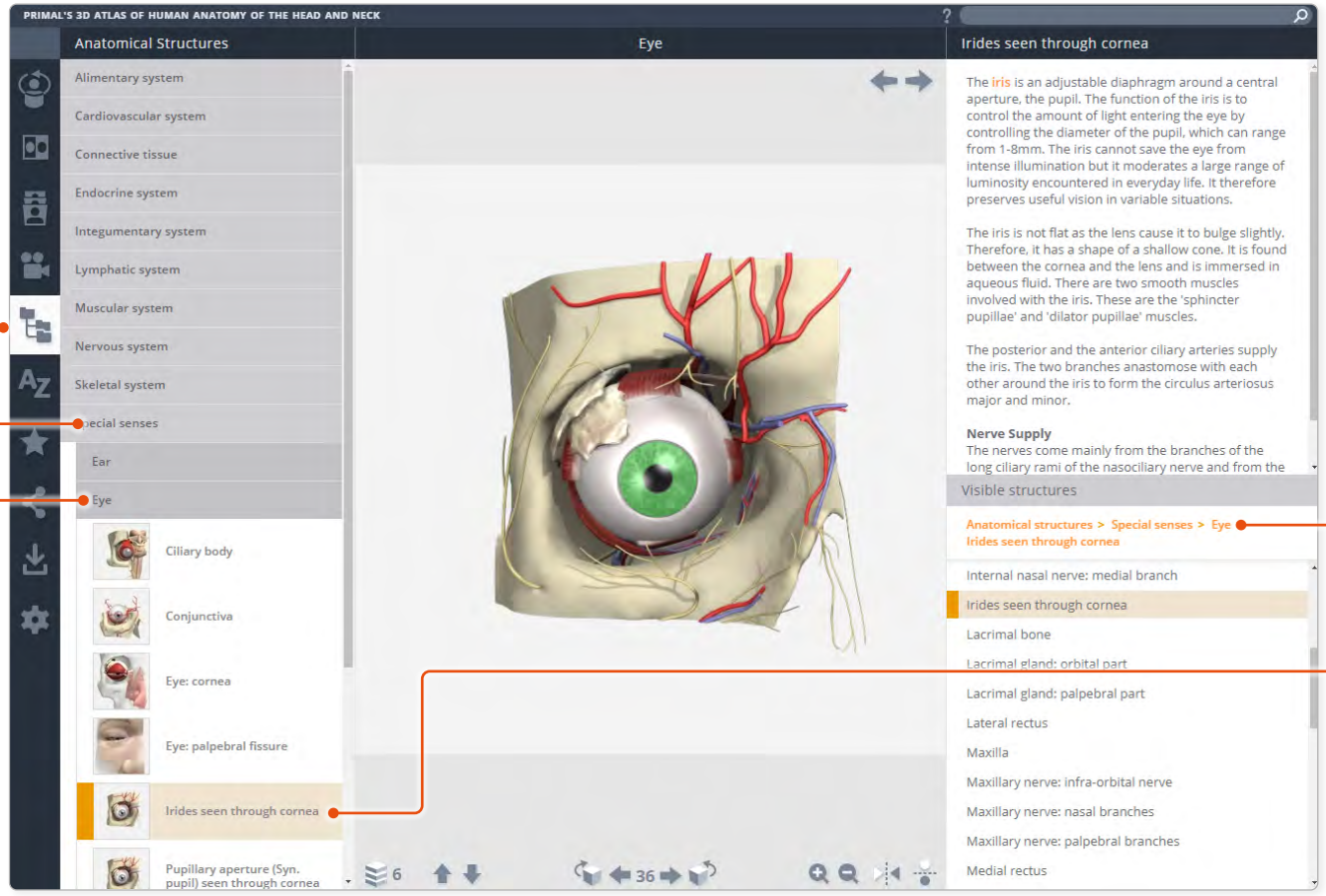
Maximize

Chrome browser on desktop only: save movie in **mp4** format. For all other browsers, use the Save tab to save the movie in **mpg** format.

* Movies do not feature in CT and MRI: Thorax, Pelvis and Abdomen

Tab panel –
Anatomical structures

Use the **Anatomical structures** panel to browse through the entire contents, sorted systemically.



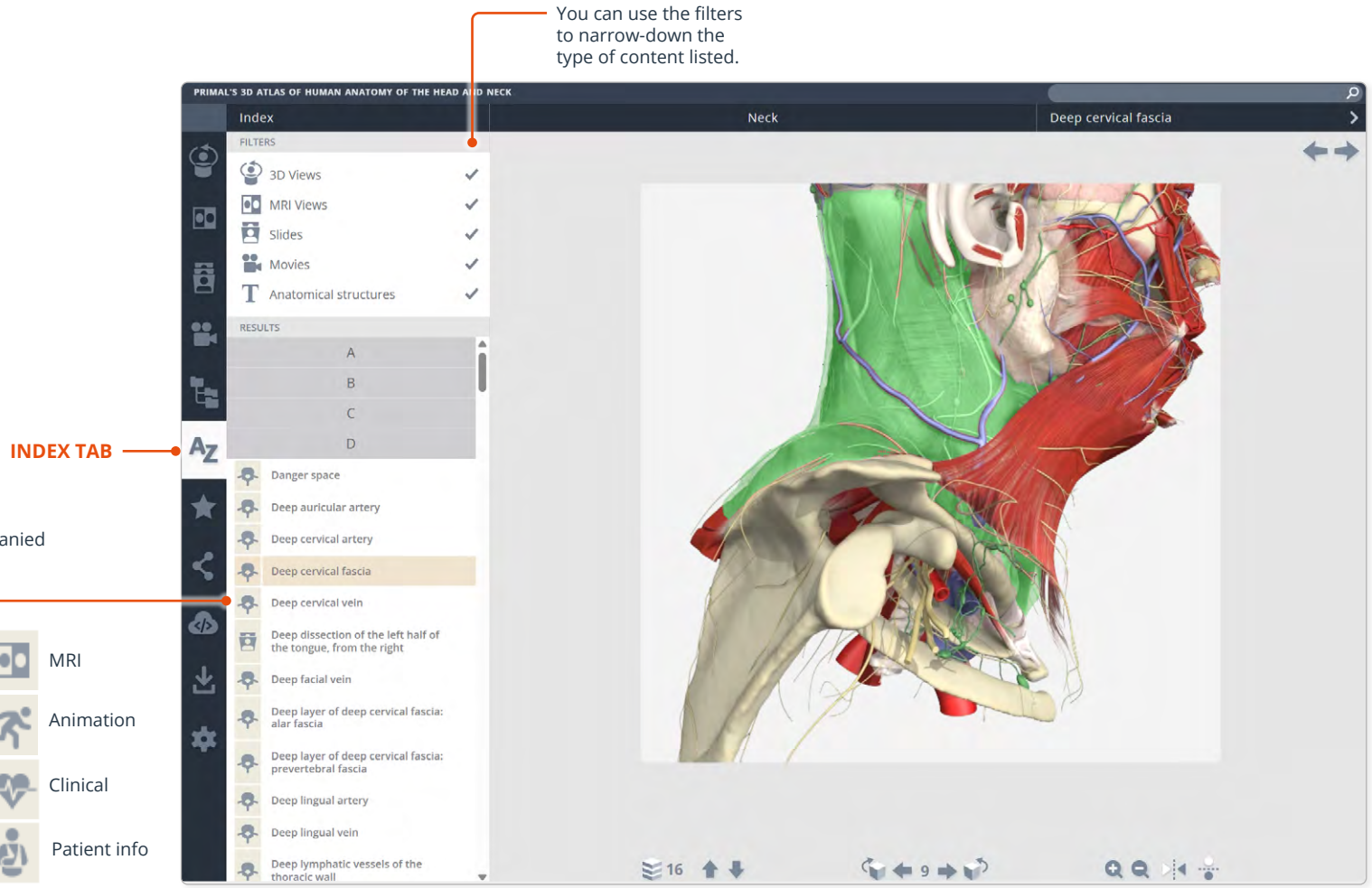
ANATOMICAL STRUCTURES TAB

Systemic folders and sub-folders help you to locate content and understand anatomical relationships.

Quick tip: when the Anatomical structures panel is closed, clicking on the Visible structures cookie-crumb will open the Anatomical structures panel at the currently selected structure.

Tab panel –
Index

Use the **Index** to find content alphabetically.



Tab panel – Favorites

Save your favorite 3D views, slides, movies, animations, anatomical structures and clinical articles into your own folders.

Add favorite

Opens the **Add favorite** dialogue box, where you can specify a name and folder location for your new Favorite.

Add folder

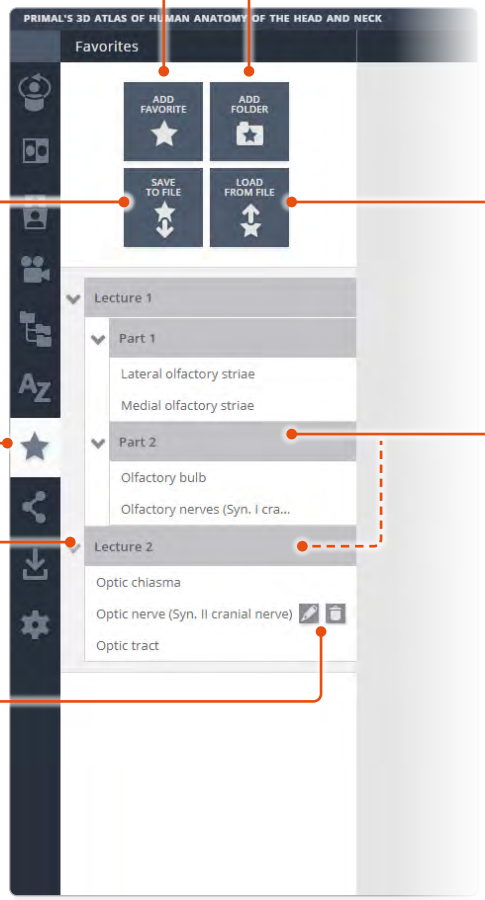
Opens the **Add folder** dialogue box where you can specify a name and location for your new folder.

Save to file

Favorites are stored locally on your computer. If you would like to access them on another computer, you will first need to **Save to file**. This creates a .txt file which you can then transfer to the other computer.

Load from File

Use the **Load from file** button to import your previously created .txt Favorites file to the new computer.



FAVORITES TAB

You can relocate your Favorites and Favorites folders by dragging them from one folder to another.

Opening folders

Open folders by clicking on the arrow to their left.

Selecting a Favorite or a Favorites folder will reveal its **Edit** and **Delete** buttons.

Edit

Allows you to rename a selected Favorite or folder or to specify a different folder location.

Delete

Deletes your selected Favorite or folder from the Favorites panel.

Tab panel –
Share

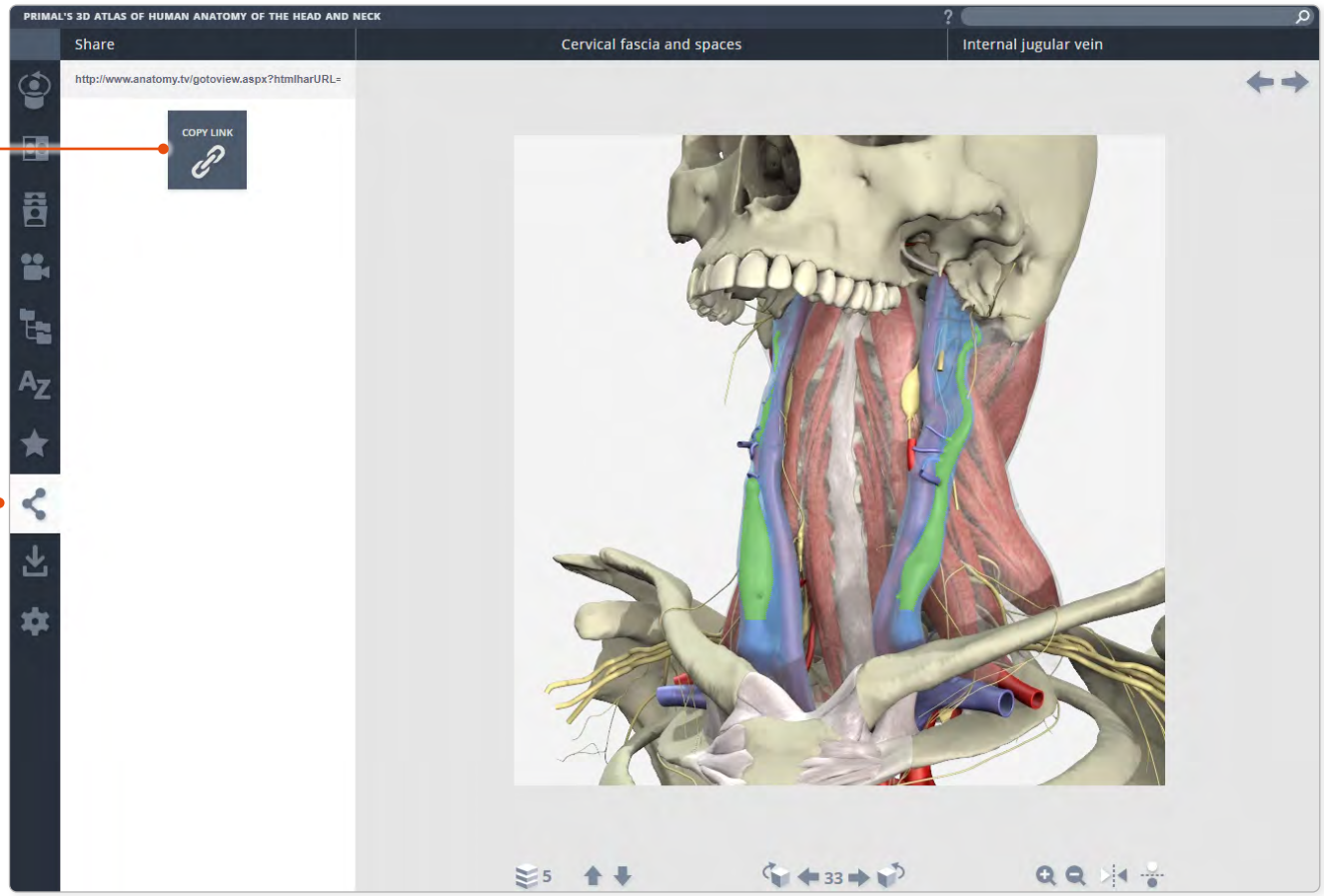
Share views with other Anatomy.tv subscribers.

Copy link

Click this button to generate a hyperlink which you can copy and email to your fellow subscriber.

Links can also be pasted into a Learning Management System to link students directly to content in the products.

SHARE TAB



Tab panel –
Embed

Use the **Embed** panel to embed interactive 3D views and other content into your website, VLE or LMS.

Setup

Please note the instructions regarding initial setup.

Size

There are three embed sizes to choose from: **Small**, **Medium** and **Large**.

You can also change the size of the embedded view manually by altering the code itself.

For example:

EMBED TAB

<iframe src="http://stage.anatomy.tv/gotoview.aspx?embeddedcode=C5E6E5" width="**960**" height="**720**" frameborder="0"></iframe>

Embed text

Select this option if you would like to include structure text with your embedded view. The text will sit alongside the image and update as the user selects different structures, just as it does in the product.

Product link

Selecting the product link option will add a small button to the top of the embedded view. Selecting this button will launch the full version of the product at the same image you have embedded.

Link style

Select the style of link from the drop-down list according to where you will be embedding your view

Generate embed code

Once you are happy with the view you have selected, click the generate code button.

Copy embed code

Either select the code from the box above and copy, or use the copy code button.

Tab panel –
Save

You can save images, movies and text articles, enabling you to add them to presentations, lecture notes, and Learning Management Systems.

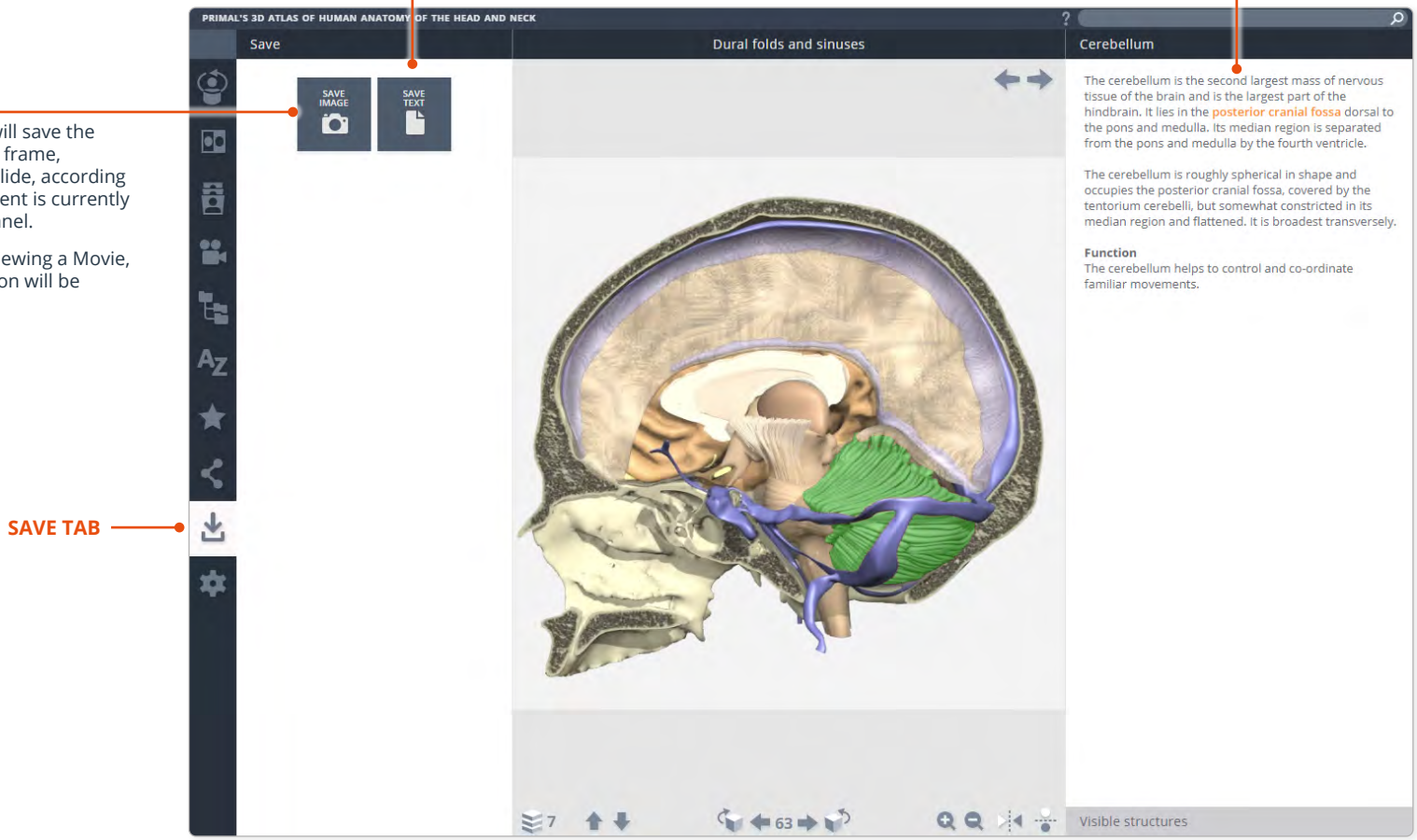
Save text

Saves the text article of the currently selected structure.

Save image

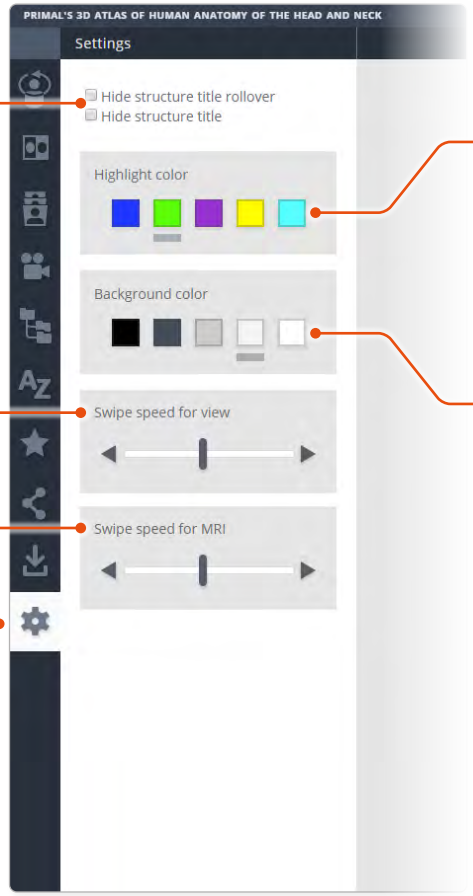
Clicking this button will save the current 3D sequence frame, animation frame or slide, according to which type of content is currently shown in the View panel.

If you are currently viewing a Movie, the **Save movie** button will be shown instead.



Tab panel –
Settings

The **Settings** panel has a number of controls which allow you to adjust how you view the 3D model.



Hiding titles

Useful for self-testing, these check-boxes allow you to hide the View pane rollover labels or the titles above the View panel and Text panel.

Swipe speed

Adjust how quickly you move through the frame sequence while swiping.

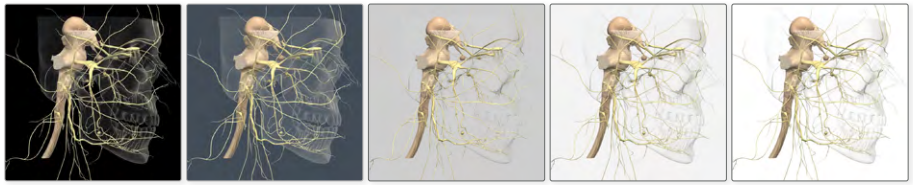
SETTINGS TAB

Highlight color

You can choose a different highlight color to make your selection more visible. The highlight color will also change in selectable slides.

Background color

The background color can also be adjusted to make structures more visible. (Currently only available in Chrome browser on desktop.)

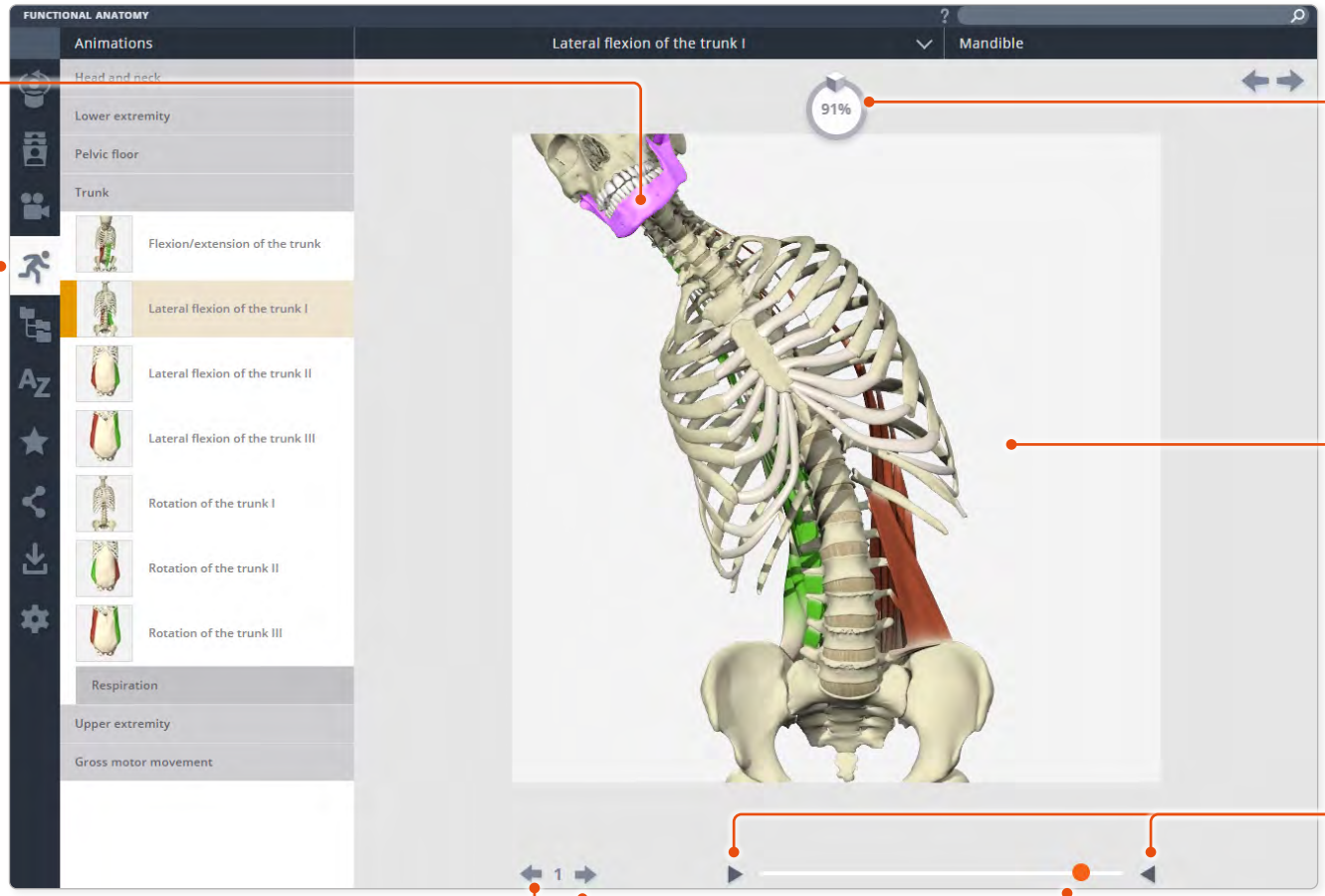


Specialist panels – Animations

Many of our specialist titles also feature an **Animations*** panel.

Animations differ from movies in that they can be rotated and viewed from different angles.

Also, structures are selectable in animations.



ANIMATIONS TAB

For the smoothest playback we recommend waiting for the entire sequence to load.

Drag with your finger or mouse to move forwards and backwards through the frame sequence.

You can also use the playback controls to play forwards, pause and play backwards.

Use the rotation controls to view the animation from different angles.

The play-head can also be dragged back and forth to examine the motion in more detail.

* The Animations tab is not available in 3D Atlas titles; Ultrasound titles; CT and MRI; Dentistry.

Specialist panels – Clinical

Many of our specialist titles also include a **Clinical*** panel**.**

1

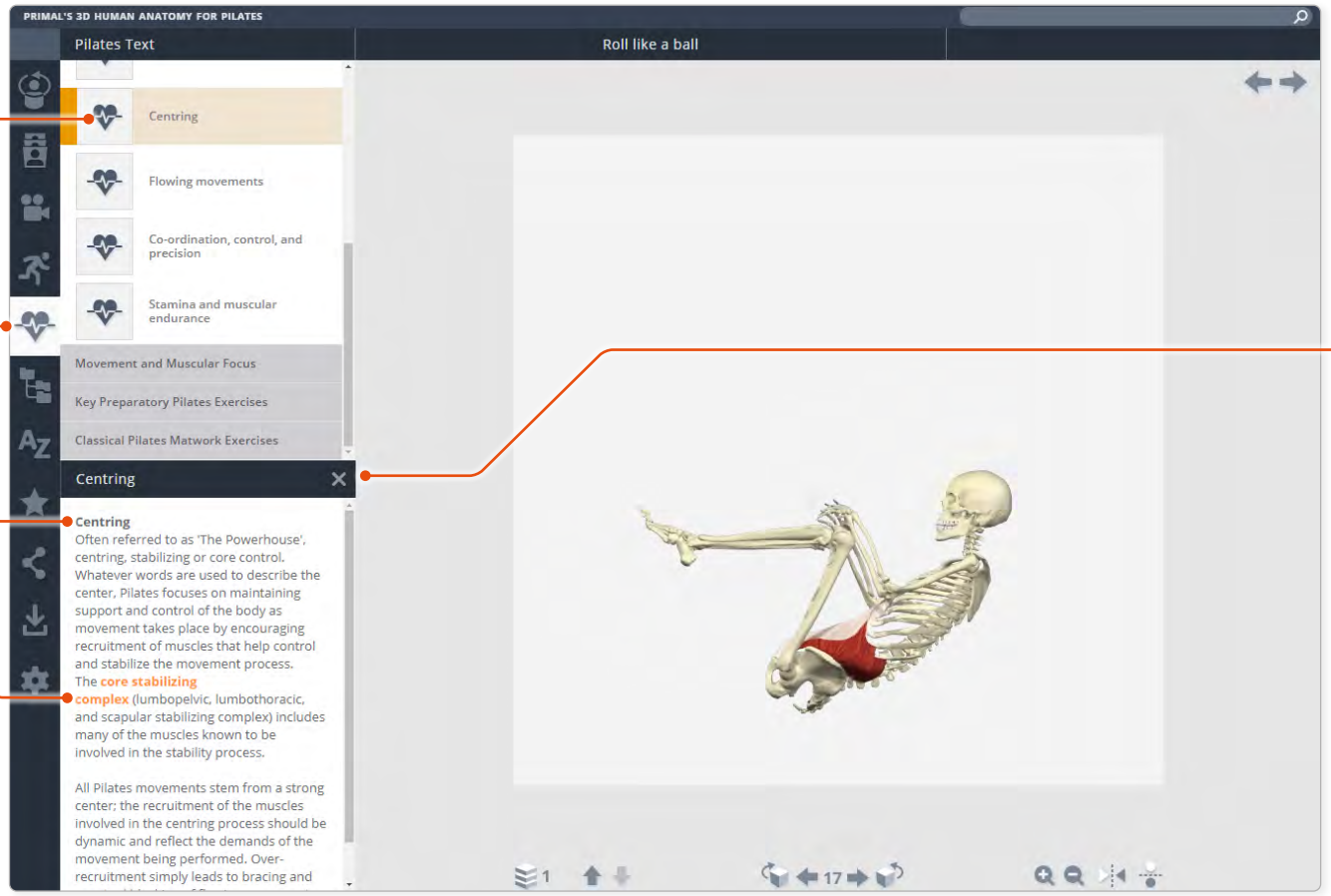
Select a clinical article from within the folder list.

CLINICAL TAB

2

The clinical article appears in a box at the bottom of the Tab panel.

Many of the articles contain links to related content.



3

The Clinical article box will remain open even when you select other tabs. Close it by clicking on the cross.

* The Clinical tab features in Exercise;.Pilates; Yoga; Ultrasound titles; Otolaryngology; Chiropractic; Dentistry; Dental Hygiene; Pelvic Floor Disorders; Speech Language Pathology.

Specialist panels –
Patient information

Some of our specialist titles also include a **Patient info*** panel**.**

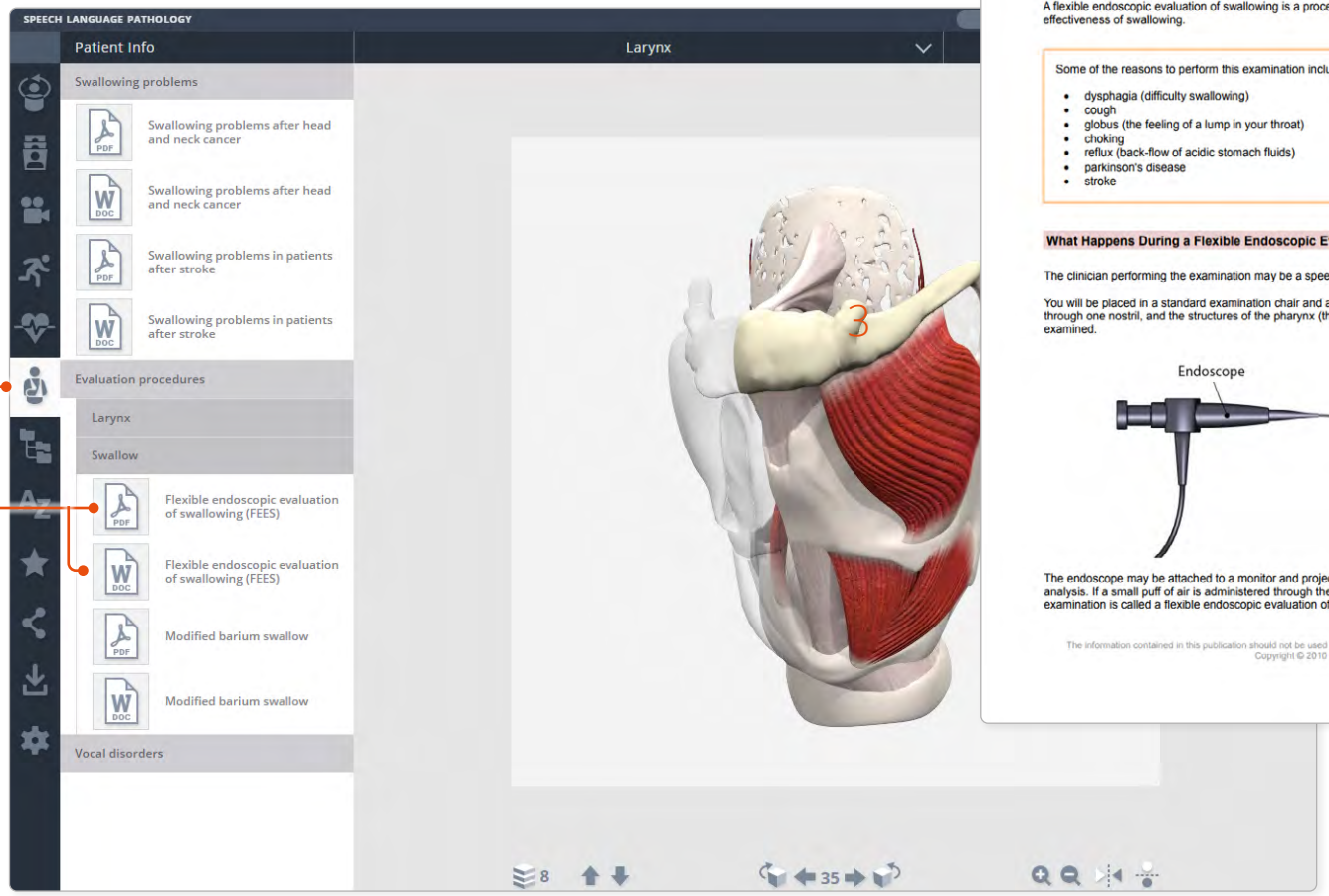
PATIENT INFO TAB

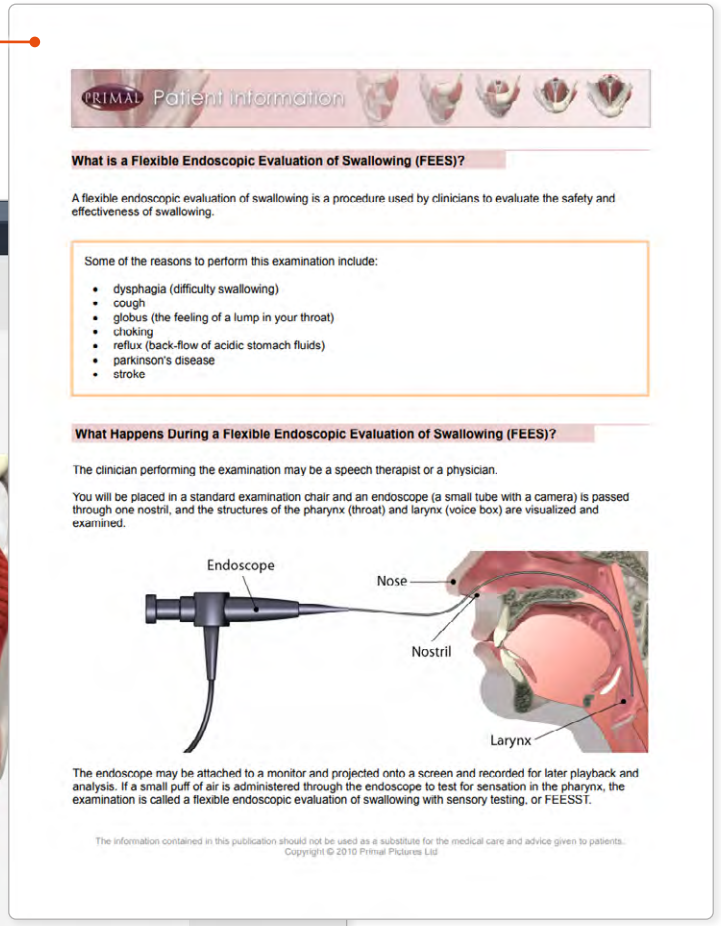
1

Select a patient info document from within the folder list. The documents may be in PDF or Word format. Word format documents can be edited to suit your requirements.

2

Patient information documents can be saved or printed, or added to PowerPoint presentations or Learning Management Systems.





* The Patient info tab features in Urology; Pelvic Floor Disorders; Speech Language Pathology.