

# Virtual Microscope - Getting Started

The Virtual Microscope is a Dundee University facility that uses an OMERO based system to allow you to view and work with microscopy images using a web browser.

It is recommended you use Firefox, Chrome or Safari as these give the best experience when using the Virtual Microscope.

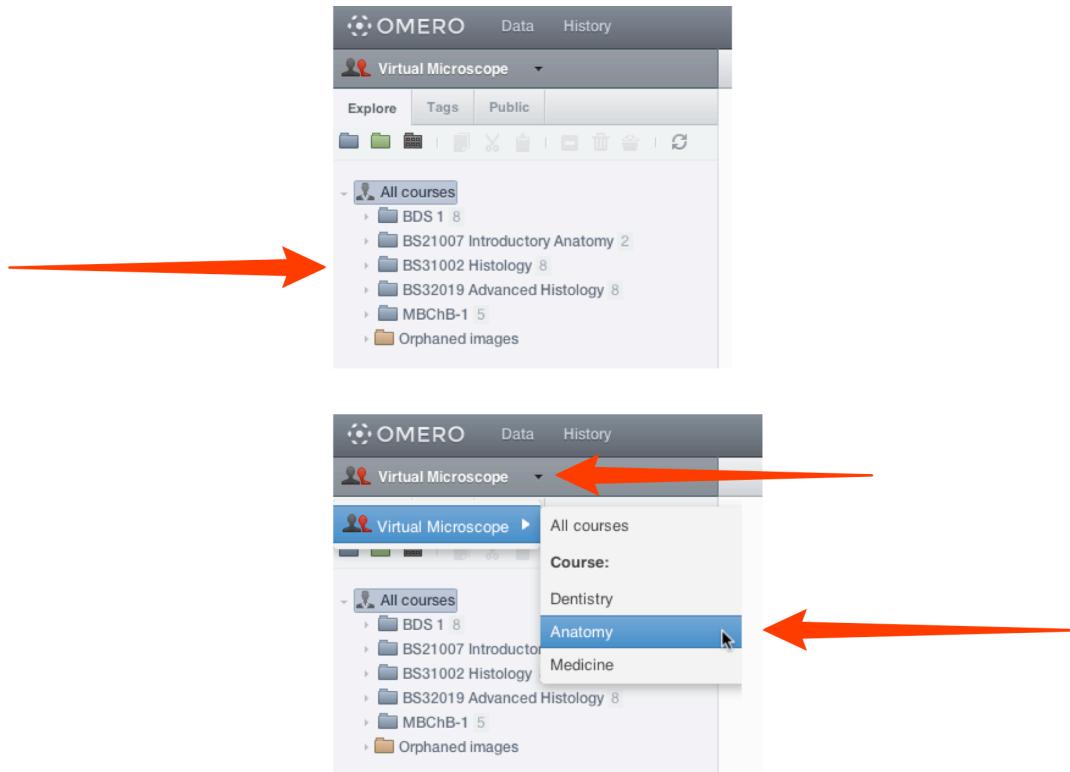
Click on, or enter the following URL in your browser:

<https://learning.openmicroscopy.org/dundee/>

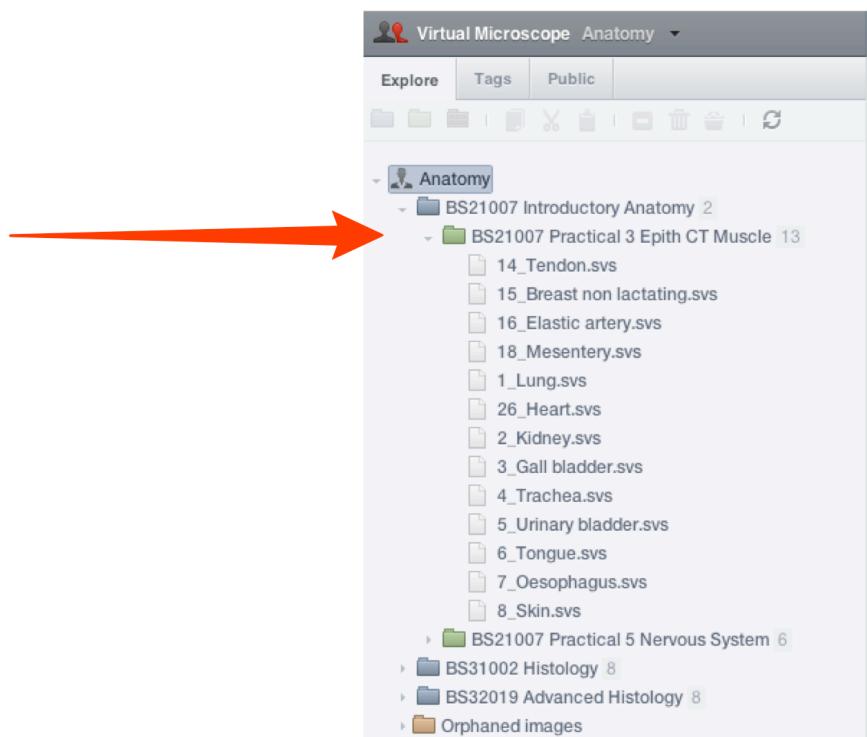
- 1 Enter your Dundee University LPAD username with your initials and the first letter of your surname capitalised, in the form:  
**UDStudent**  
Enter your Dundee University password.  
Click **Login**.



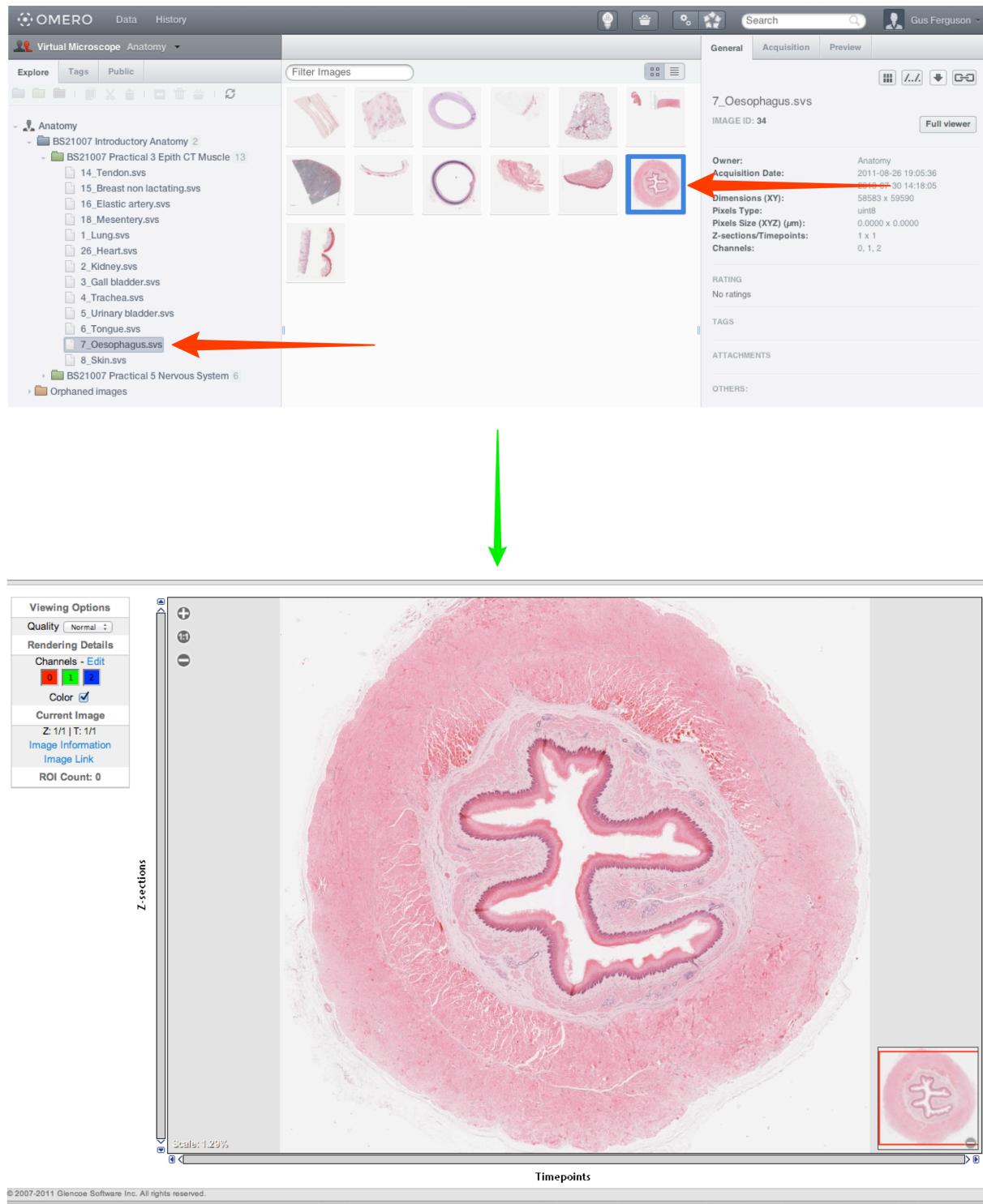
- 2** All courses with material available will show in the data tree in the left hand panel. To see just the **Anatomy**, or the **Dentistry** or the **Medicine** courses, select the desired subject from the **Virtual Microscope** drop-down menu.



- 3** In the **Explore** tab, expand the grey folder representing your **Anatomy** module. The green folder for each practical contains the microscopy images for that session.



- 4** Double click on the image in the list, or thumbnail in the centre pane, to open an image in the full viewer.



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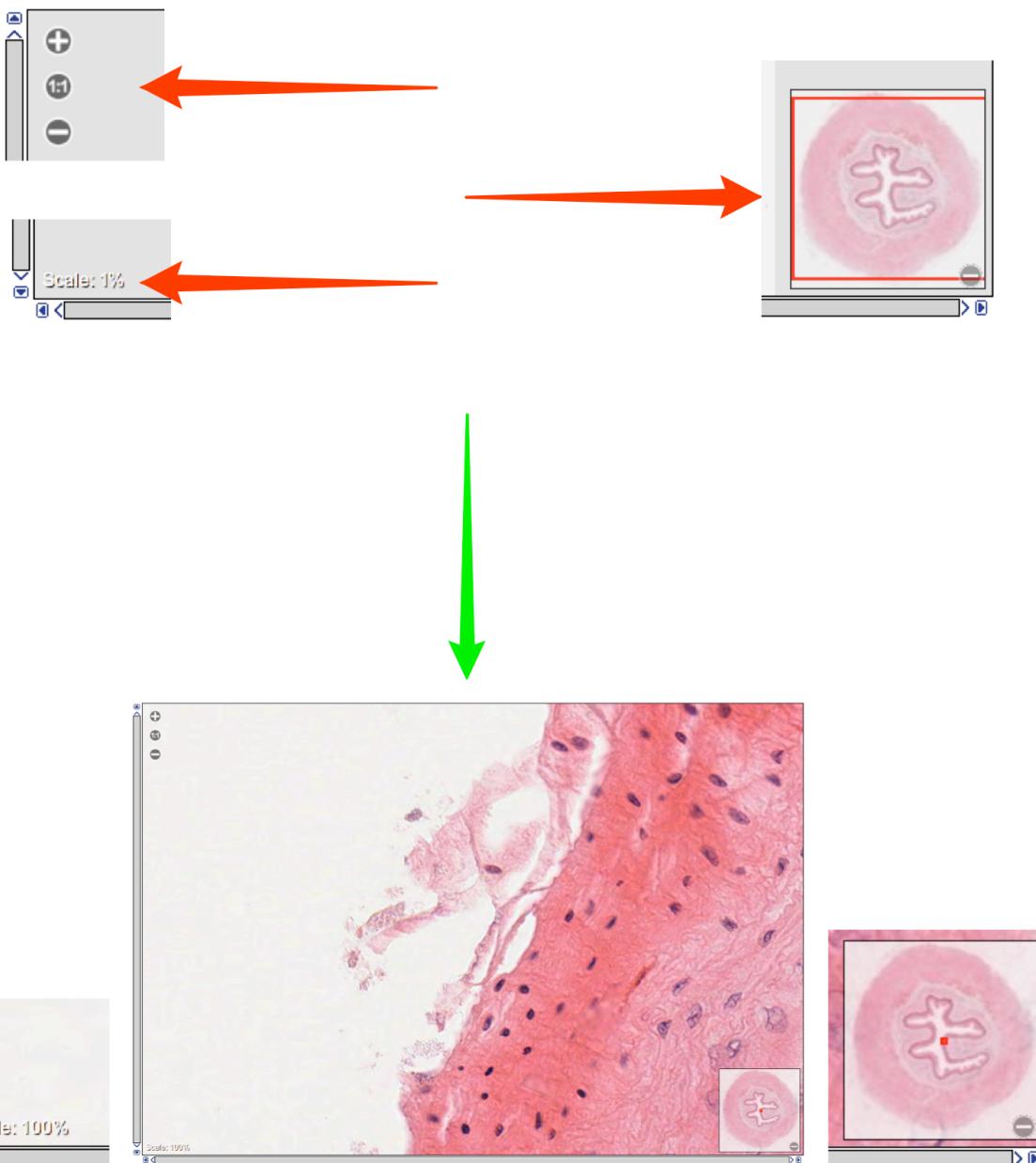
Use the + and - controls at the top-left to zoom into the image.

The scale value is shown at the bottom-left of the image.

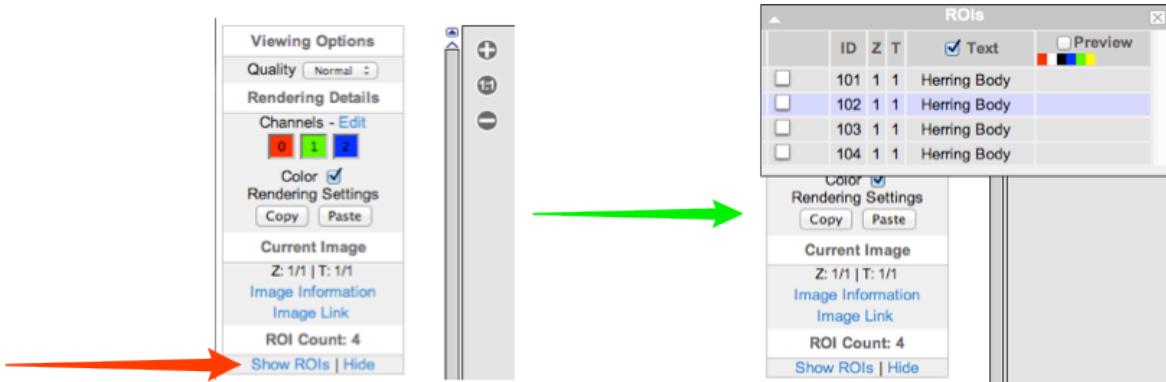
The location of the zoomed view is shown by the red box on the thumbnail of the whole image at the bottom-right.

You can move around the image by:

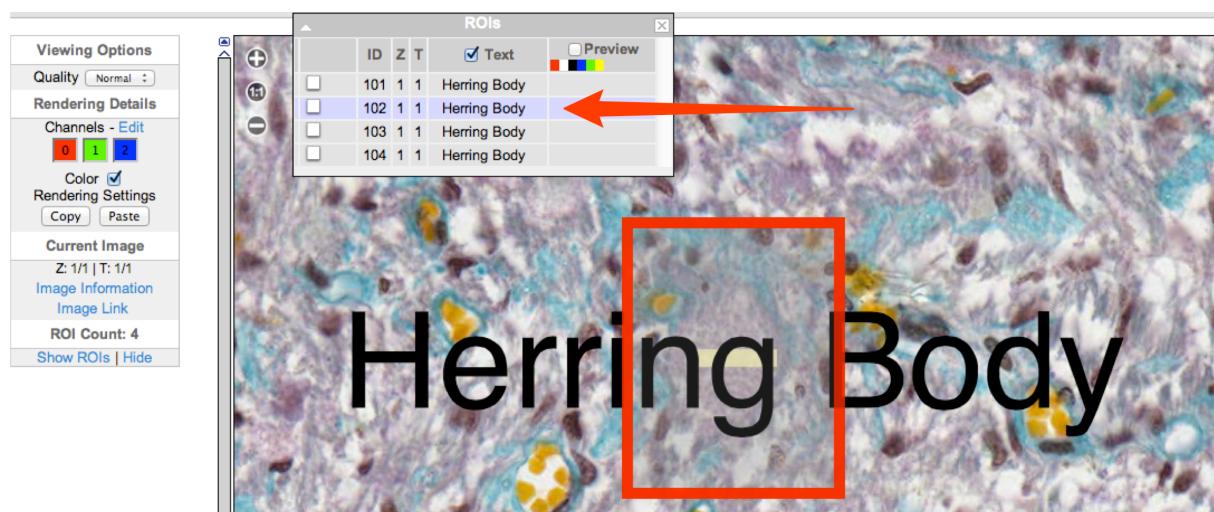
- clicking on the red box in the thumbnail and dragging it,
- or - clicking on the desired location within the thumbnail,
- or - clicking and dragging the main image.



- 6** Some slides have Regions of Interest (ROIs) on them, highlighting or labelling interesting features.  
 This is indicated by the ROI count at the bottom of the left-hand panel of the main viewer.  
 Click on **Show ROIs** to see the list of ROIs.  
 Select an ROI from the list, and the image will centre on that ROI.



- 7** Drag the ROIs palette out the way of the zoom controls.  
 Select an ROI from the list and use the zoom controls to zoom in on the ROI.

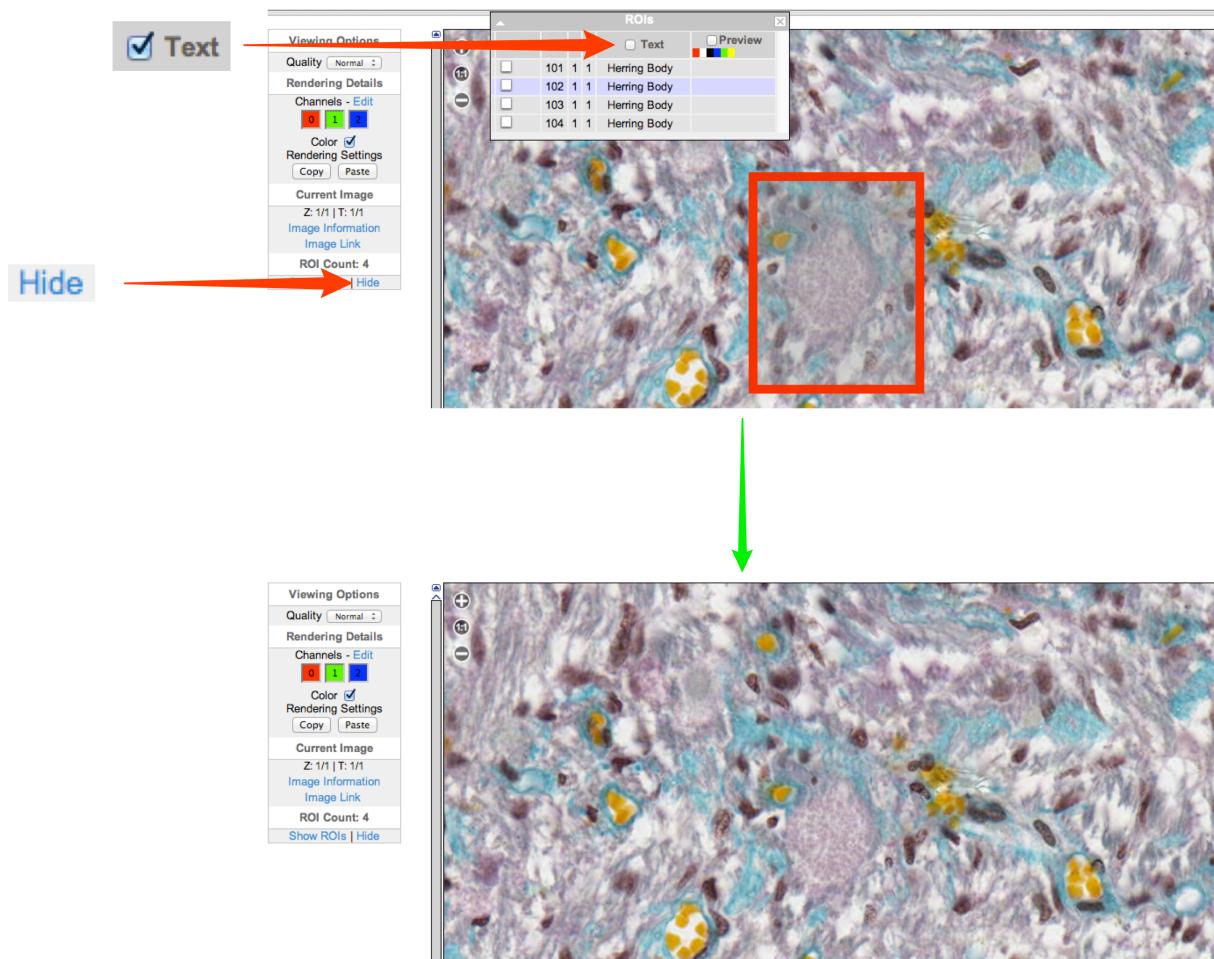


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Uncheck the **Text** checkbox to hide the label.

If the ROI is obscuring the feature, click **Hide** in the left-hand panel to remove it.

To view other ROIs, click **Show ROIs** again and select a different ROI.

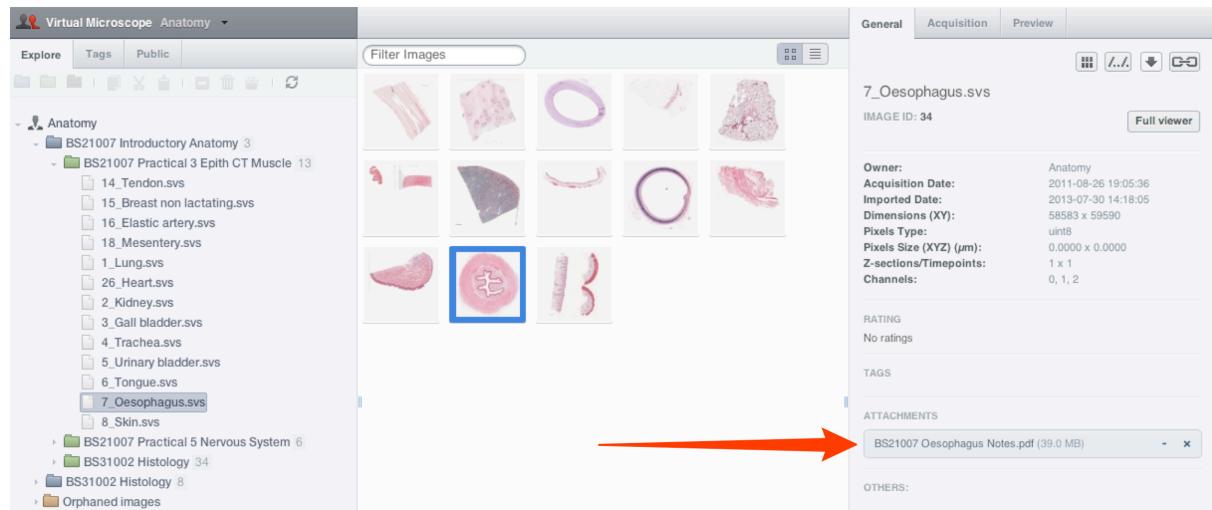


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Some images or practical sessions have attachments such as notes or worksheets in PDF or other document formats.

These attachments are shown in the right hand panel.

Click the attachment to download and view it.



- 10** Links to specific images can be embedded in emails or other documents for sharing.  
Open the image in the Viewer.  
Select and copy the URL in the browser navigation box.  
Paste this in as a hyperlink in the form:

[https://learning.openmicroscopy.org/dundee/webclient/img\\_detail/34/](https://learning.openmicroscopy.org/dundee/webclient/img_detail/34/)

A login will still be required to view the image.

