# Anatomage

# TABLE

# Cadavers

## How to Change and Use Layouts
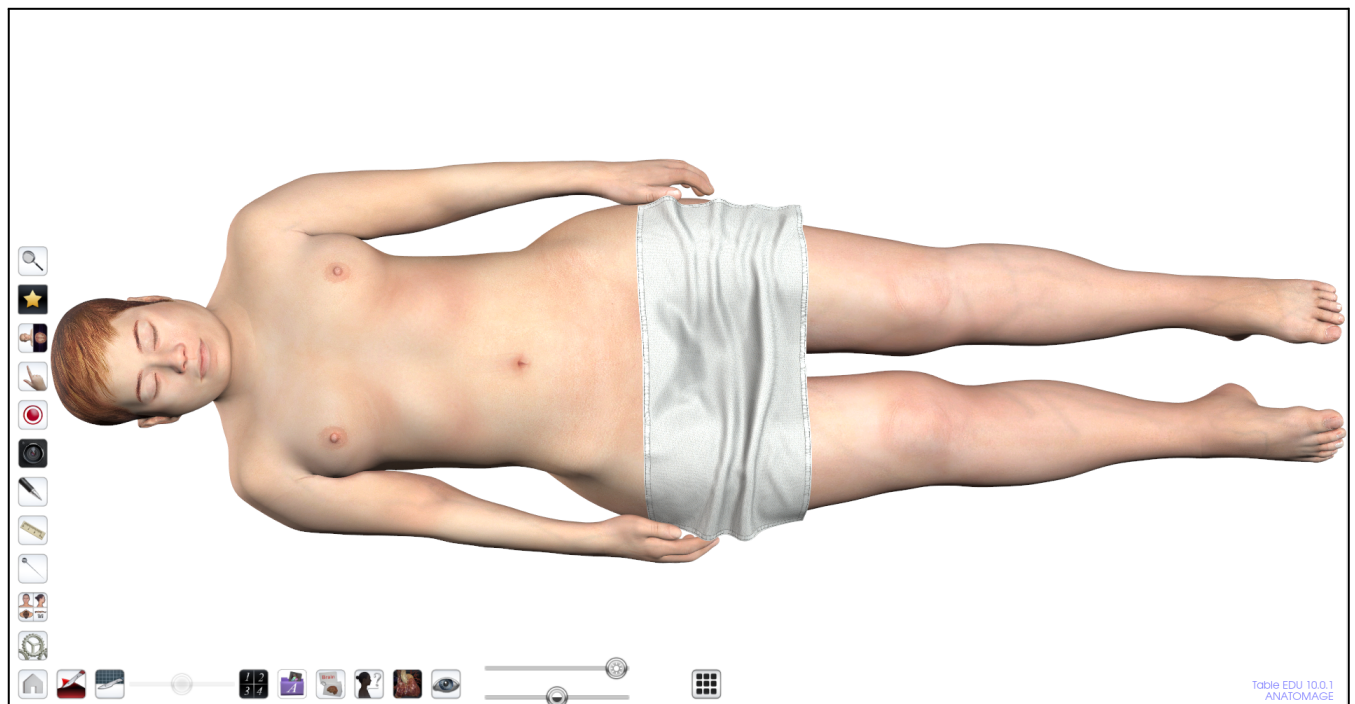
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## How to use the 3D Layout

Step 1: Single tap the layout tool icon . The icon will expand to show the following icons. 

Step 2: The 3D layout tool is already in use.  This is the full body cadaver you see on the screen. Tapping this icon will not change the view. Once you select a different layout, tapping on the 3D layout icon will bring you back to the full cadaver view.



Table 10 - How to Change and Use Layouts                    1

## How to use the 3D/2D Layout

Step 1: Single tap the layout tool icon . The icon will expand to show

the following icons. 

Step 2: Single tap the 3D/2D layout tool icon . This will open up a 2D view on the right monitor, and keep the 3D view on the left monitor.
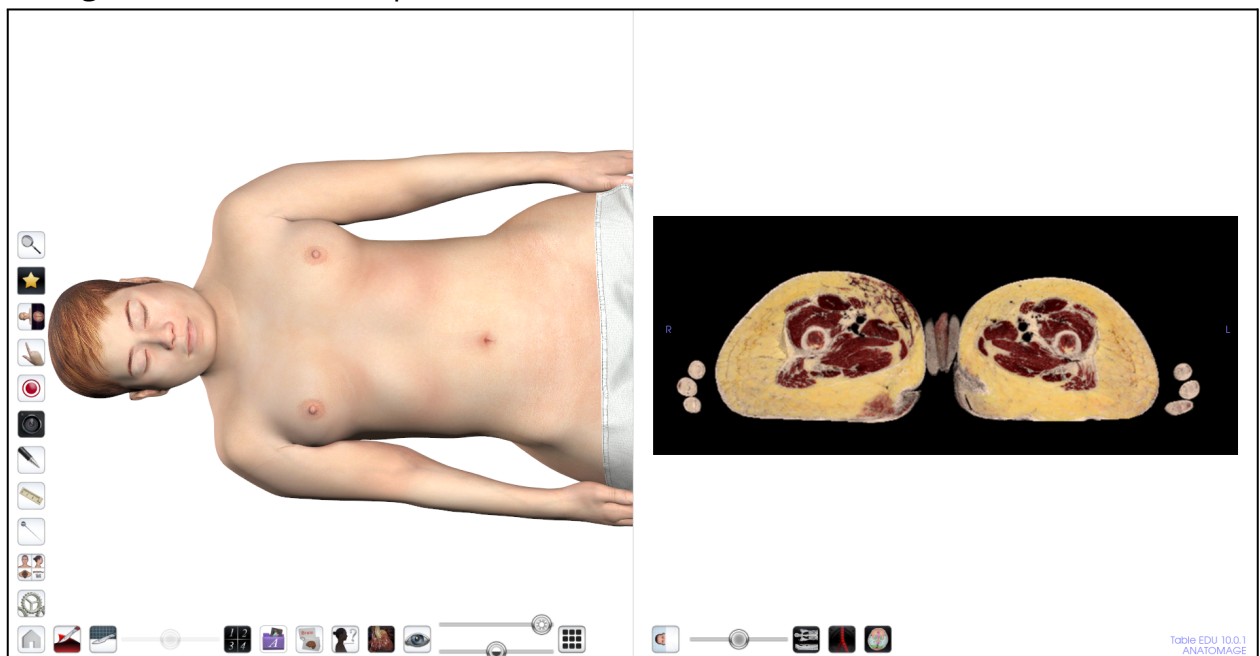


Step 3: On the bottom of the right monitor, you will see a transverse cut icon, and a slider bar.



Step 4: By Moving the slider bar right and left, you can scroll through this 2D cut. As you move through, there will be an orange box surrounding the area of the 3D image correlating to the 2D slice. This same function can be accomplished by sliding three fingers over the 2D slide.

Table 10 - How to Change and Use Layouts                                                                 2
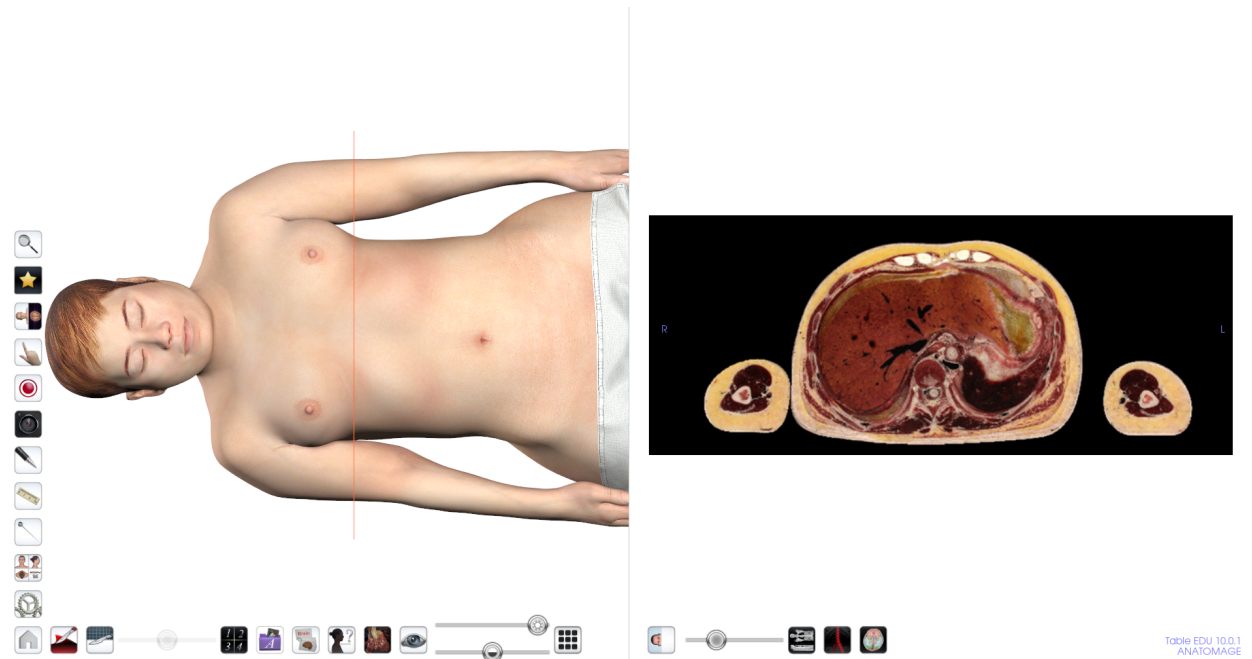
Step 5: By Tapping on the Transverse Cut icon, you can adjust the slice of the 2D image to either freehand, parallel, coronal or sagittal, from the pop up menu.



Step 6: Tapping on the top "ultrasound view" icon will place an ultrasound on the cadaver and create an ultrasound-like view on the 2D side.

Table 10 - How to Change and Use Layouts                                                                 3
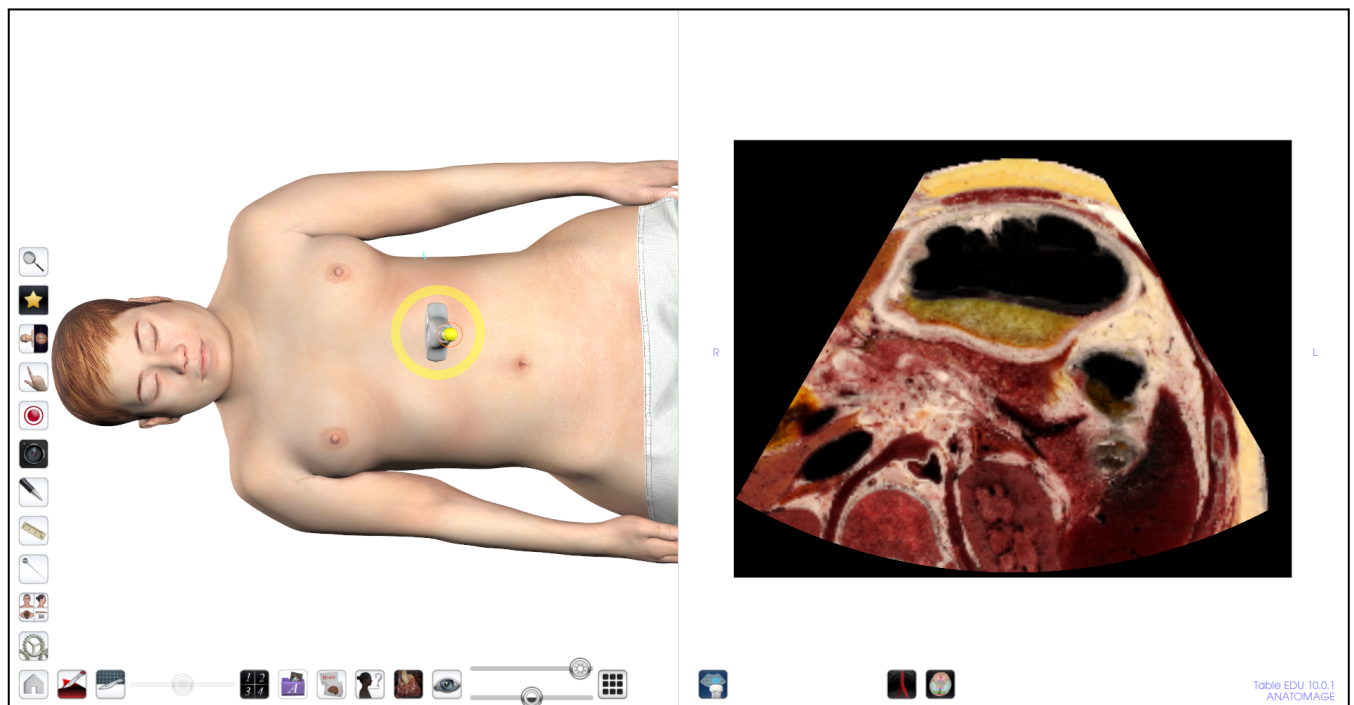
Please note, if you peel back the skin and tap on the 3D cadaver, the ultrasound tool will move to this location.



Table 10 - How to Change and Use Layouts                4
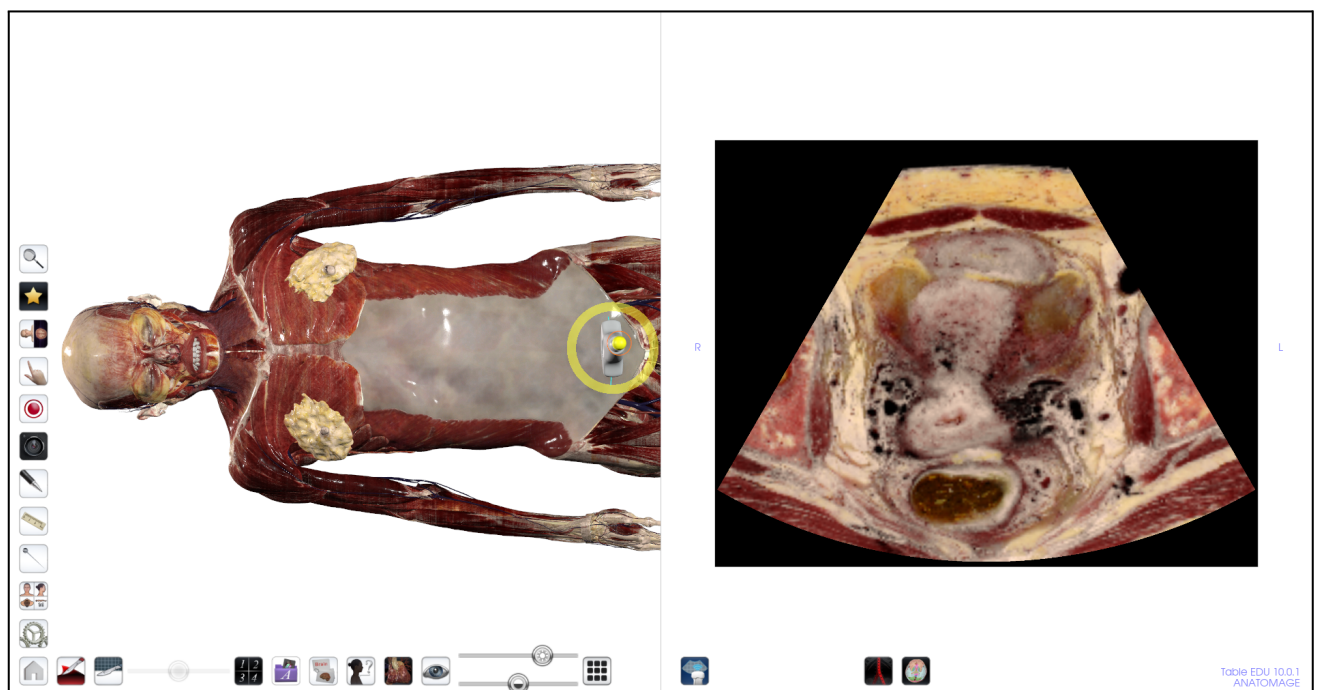
Step 7: When not in the ultrasound view, on the bottom of the right screen, you will see a blood flow icon, a grayscale icon, and a colored brain icon.



Step 8: Tapping on the grayscale icon  will load in the corresponding CT of the scan as a third comparison image.
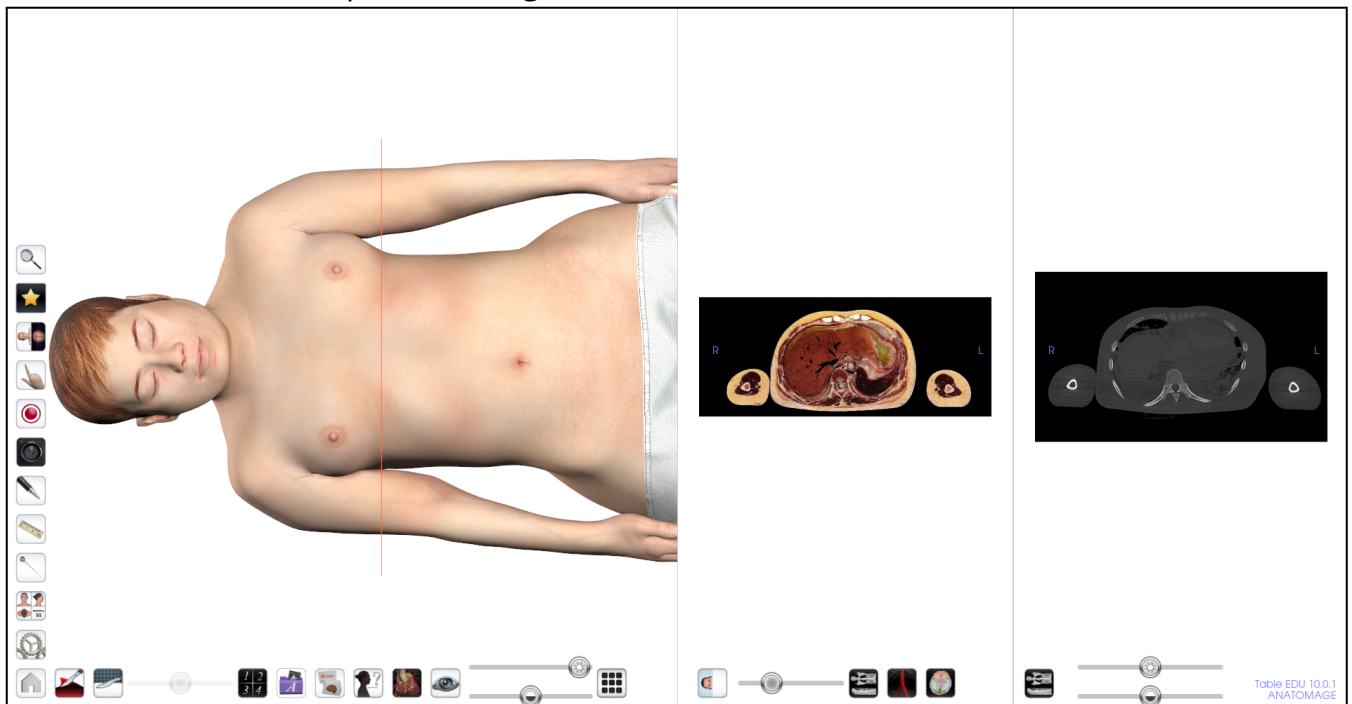


Step 9: You can adjust the grayscale filter and the brightness and contrast by using the grayscale icon and slider bars now preset.
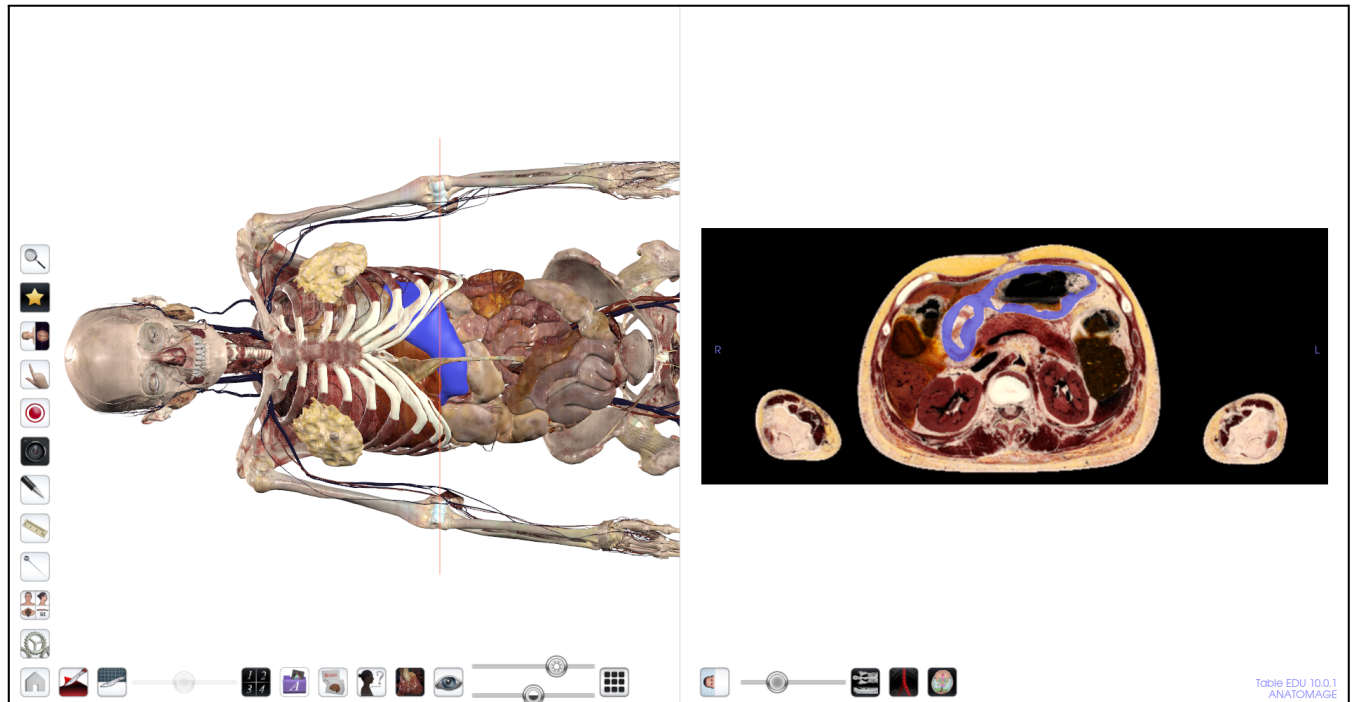
Step 10: Tapping on the blood flow icon , this icon will now be highlighted and will outline the veins, arteries, and nerves, in blue, red, and yellow on the 2D image.

Table 10 - How to Change and Use Layouts                5
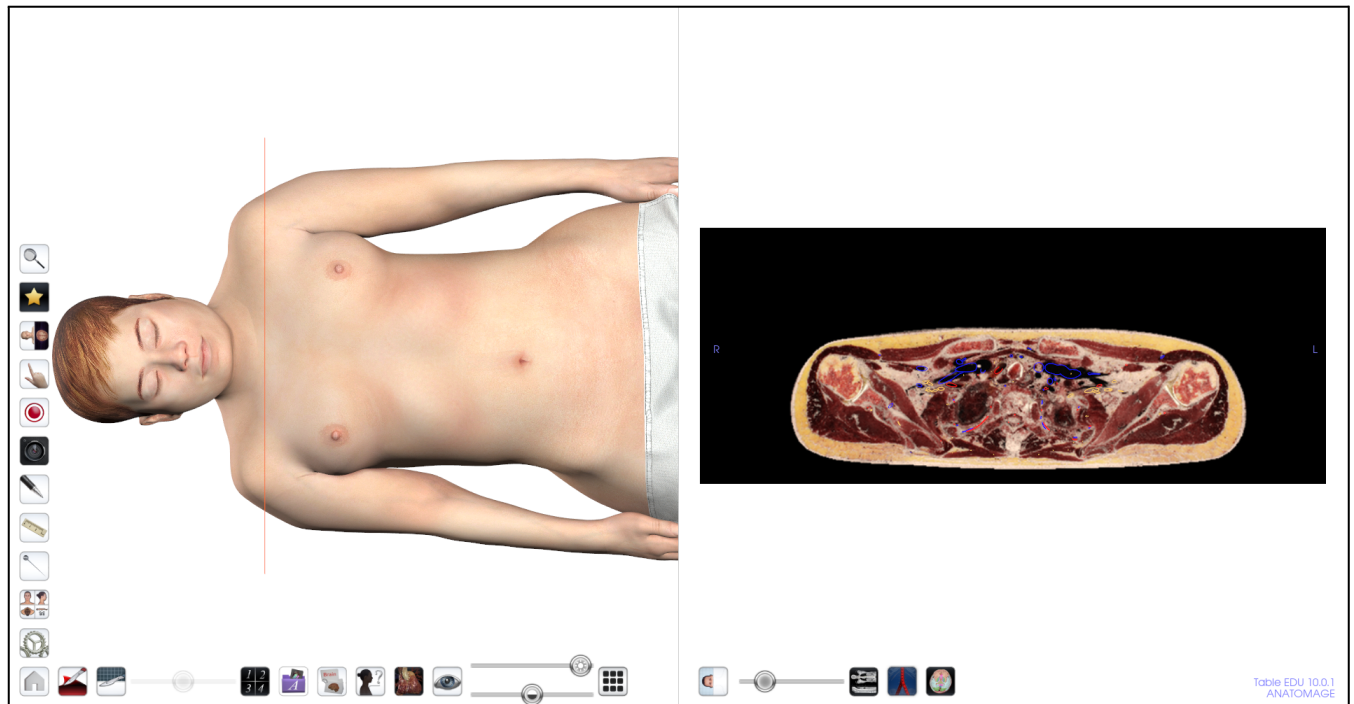
Step 11: Tapping on the colored brain icon , this icon will now be highlighted and will apply a flat color to all structures visible in the 2D scan.
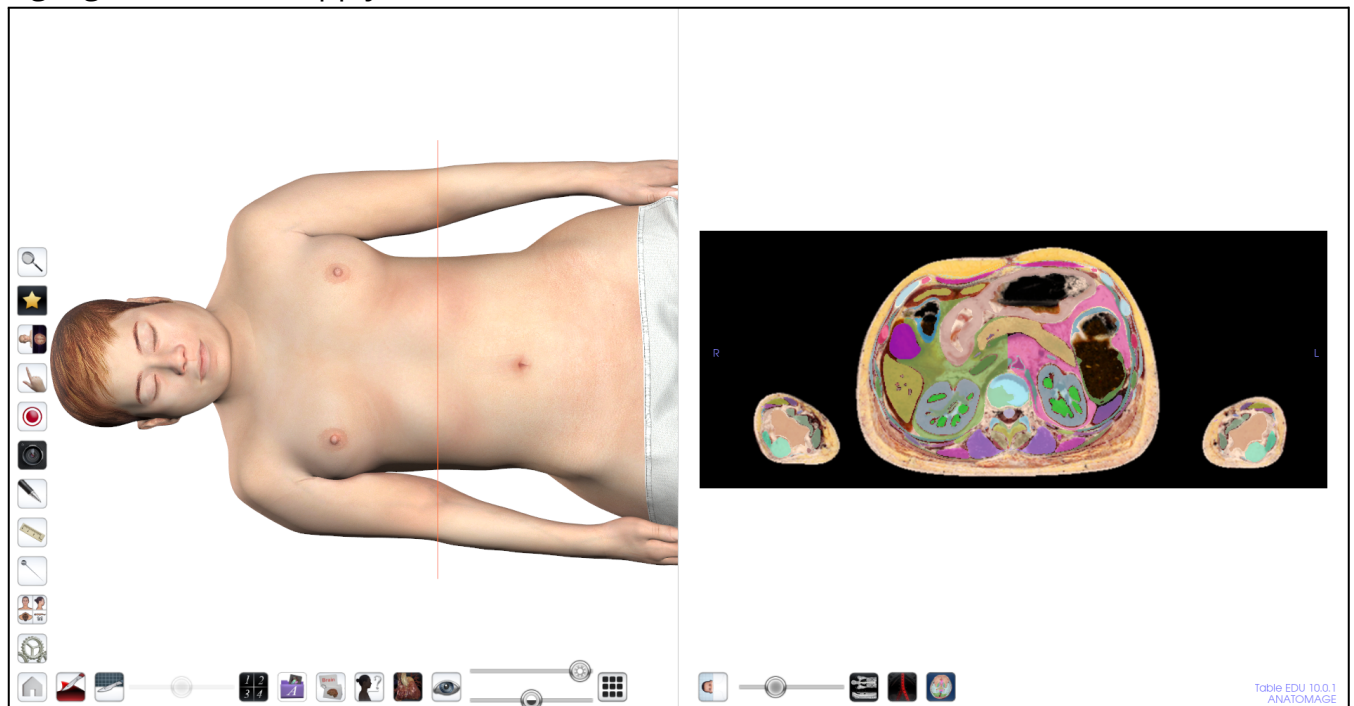


Please note, if a flat color is applied to the 3D cadavers, the color will also be visible on the 2D slide in the 3D/2D layout without tapping this colored icon.

Table 10 - How to Change and Use Layouts                                         6

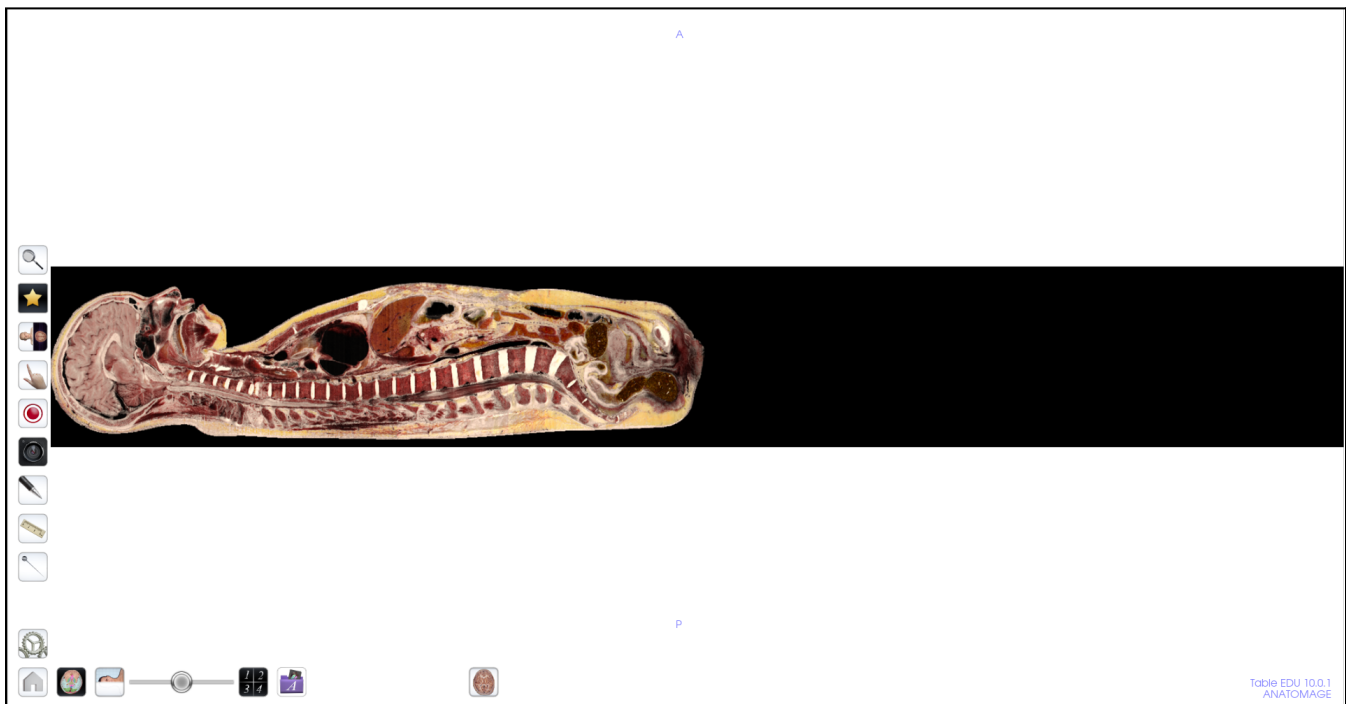Table 10 - How to Change and Use Layouts                    7

## How to use the 2D Layout

Step 1: Single tap the layout tool icon . The icon will expand to show
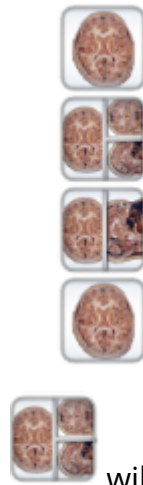
the following icons. 

Step 2: Single tap the 2D Layout icon . This will adjust your view so you just see the 2D slice image across the whole Table.



Step 3: Again, you will see the colored brain,  transverse slice icon and the slider bar. These will have the same function as in the 2D/3D layout. You can apply color to all structures in the 2D, adjust the cut you are looking at, and scroll through that cut. You can use three fingers as well to scroll through the cut.

Table 10 - How to Change and Use Layouts                                        8

Step 4: There will also be a slice icon on the bottom of your screen . This icon will allow you to adjust your image so you have a transverse cut, a sagittal cut, and a coronal cut visible at once. When you tap this icon, the following pop up menu will appear.



Step 5: Clicking on the following icon,  will adjust your image to look like below.
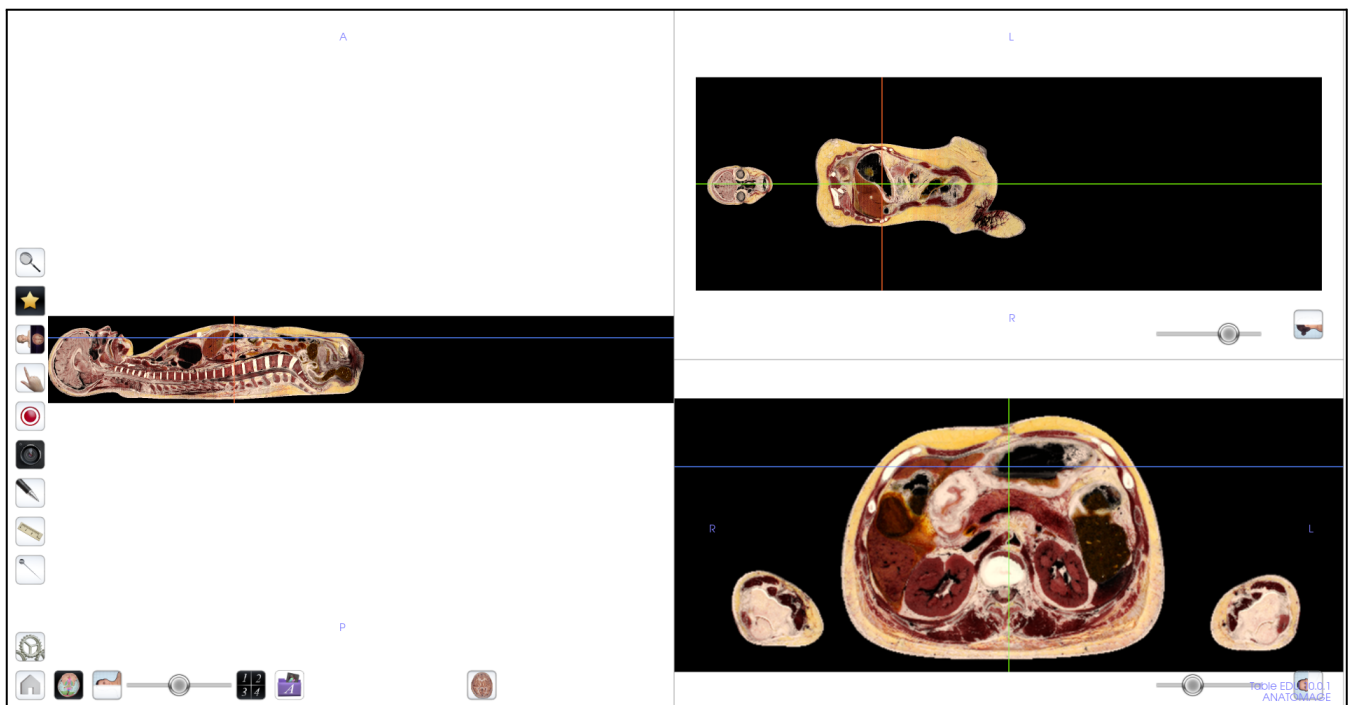


Step 6: Clicking on the following icon,  will adjust your image to look like below.

Table 10 - How to Change and Use Layouts                                              9
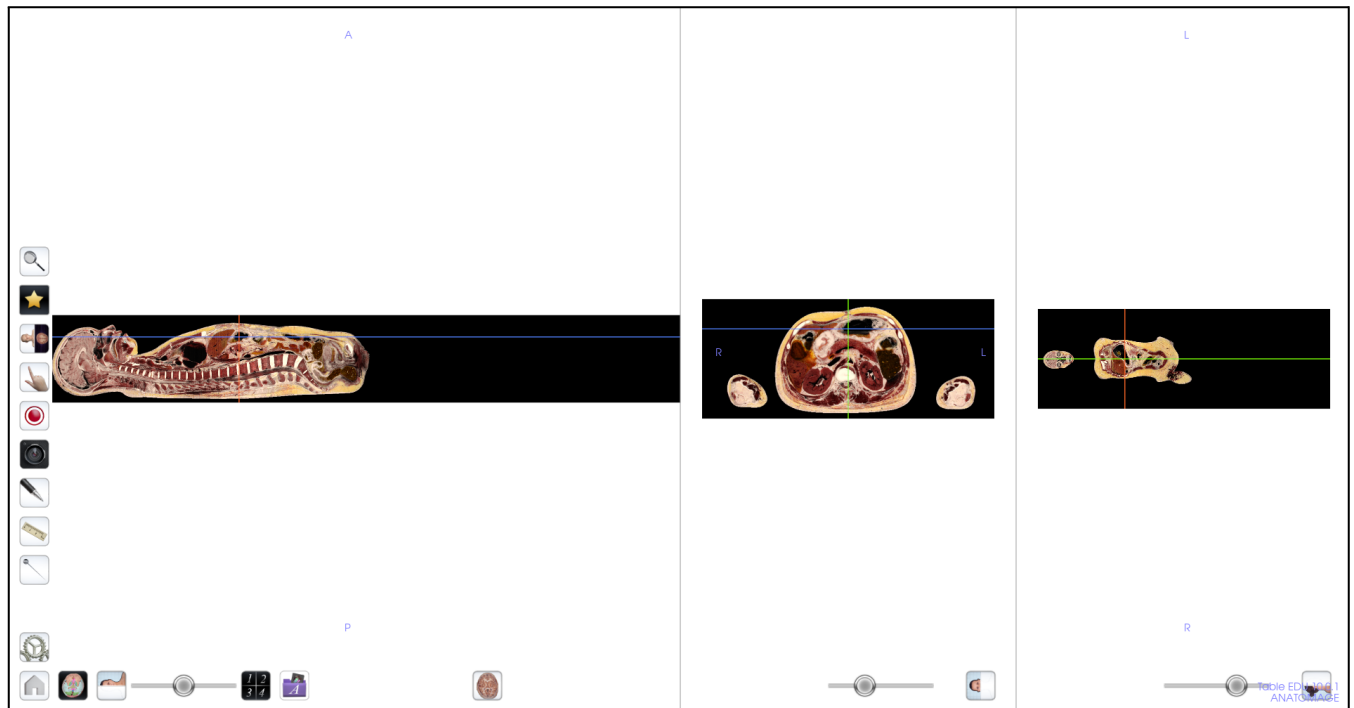
Step 7: Each of these views have their own clipping tool icon and slider bar. Using the clipping tool icons, you can adjust the slice view. Using one of the individual slider bars will slide you through that particular slice, and move the correlating line on the other 2 slices to that location.

For example, By moving the slider bar on the middle, transverse image, the orange line on the sagittal and coronal image adjust accordingly.



Table 10 - How to Change and Use Layouts                                                                    10
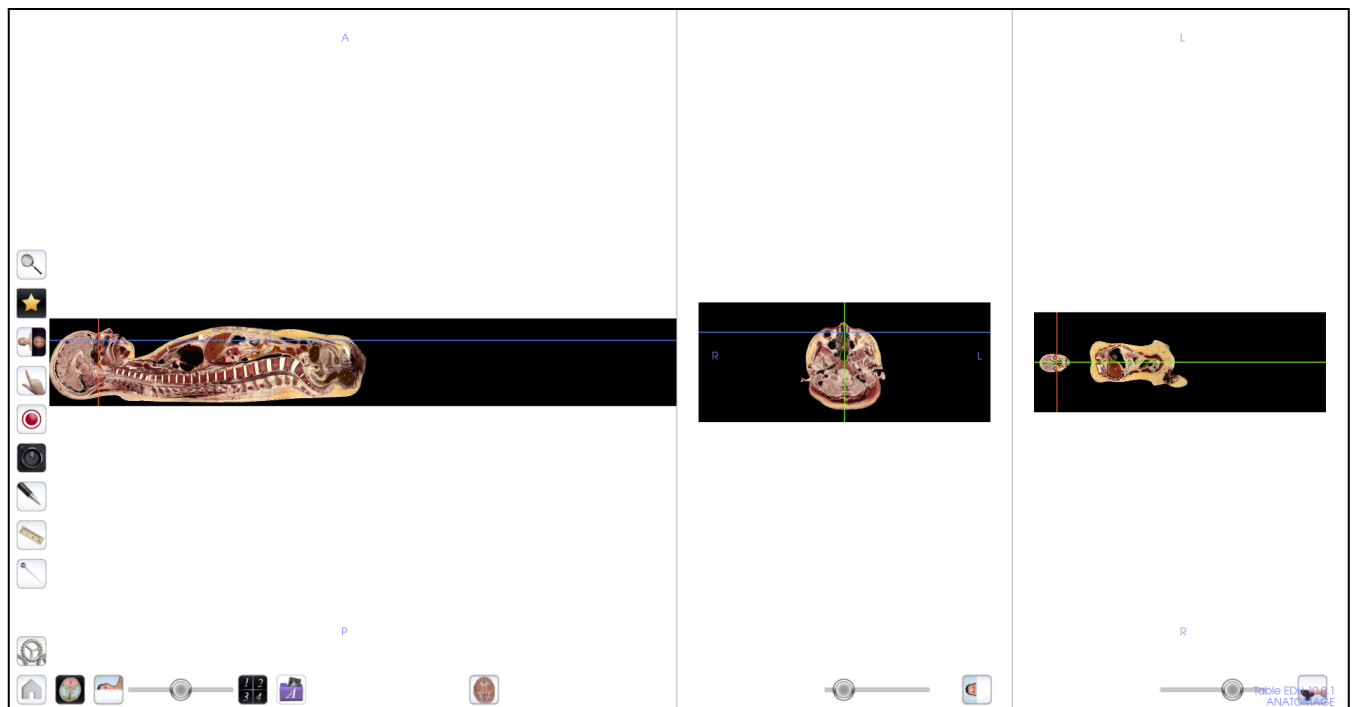
**How to use the Histology Layout (Histology, Case Library, Prosection)**

Step 1: Single tap the layout tool icon  . The icon will expand to show

the following icons. 

Step 2: Single tap on the histology layout icon  . This will open up a blank
screen on the right monitor, and keep your 3D image on the left monitor.
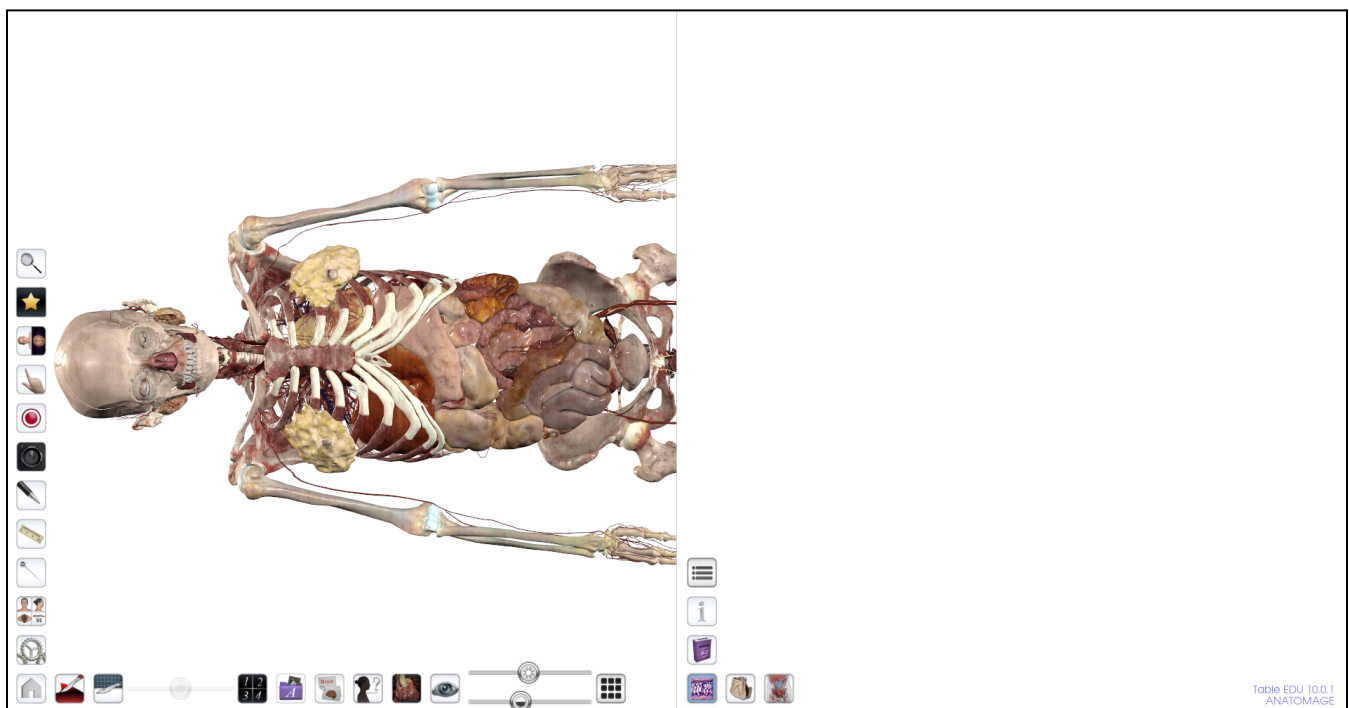


Step 3: By tapping a structure on the 3D image, associated histology for that
particular tissue type will appear on the right side monitor.

Table 10 - How to Change and Use Layouts                                                          11
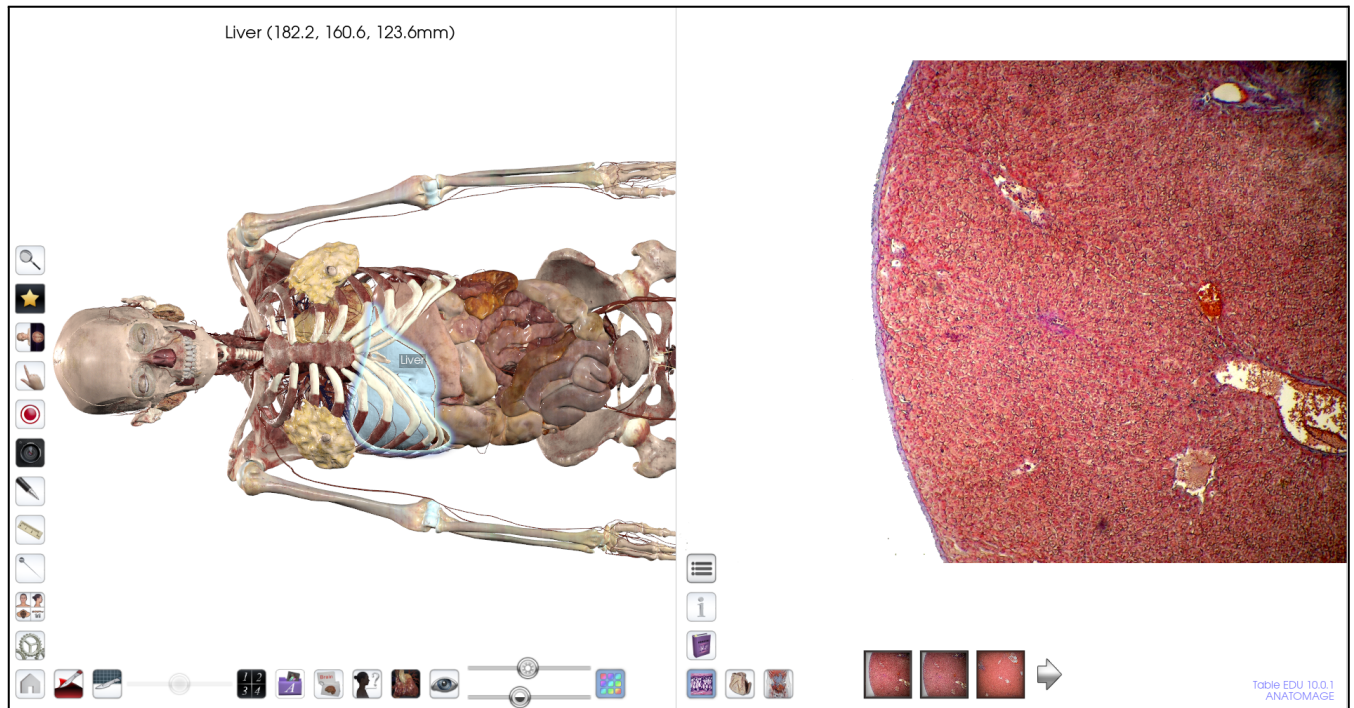
Step 4: At the bottom of the right monitor, you can scroll through the associated tissue slides to see what is available.
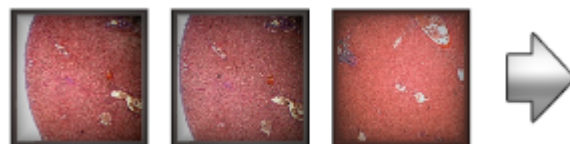


Step 5: By tapping on the info icon,  you can read information about the scan, including the definitions of any annotations and the magnification of the scan.

Table 10 - How to Change and Use Layouts                                                                12
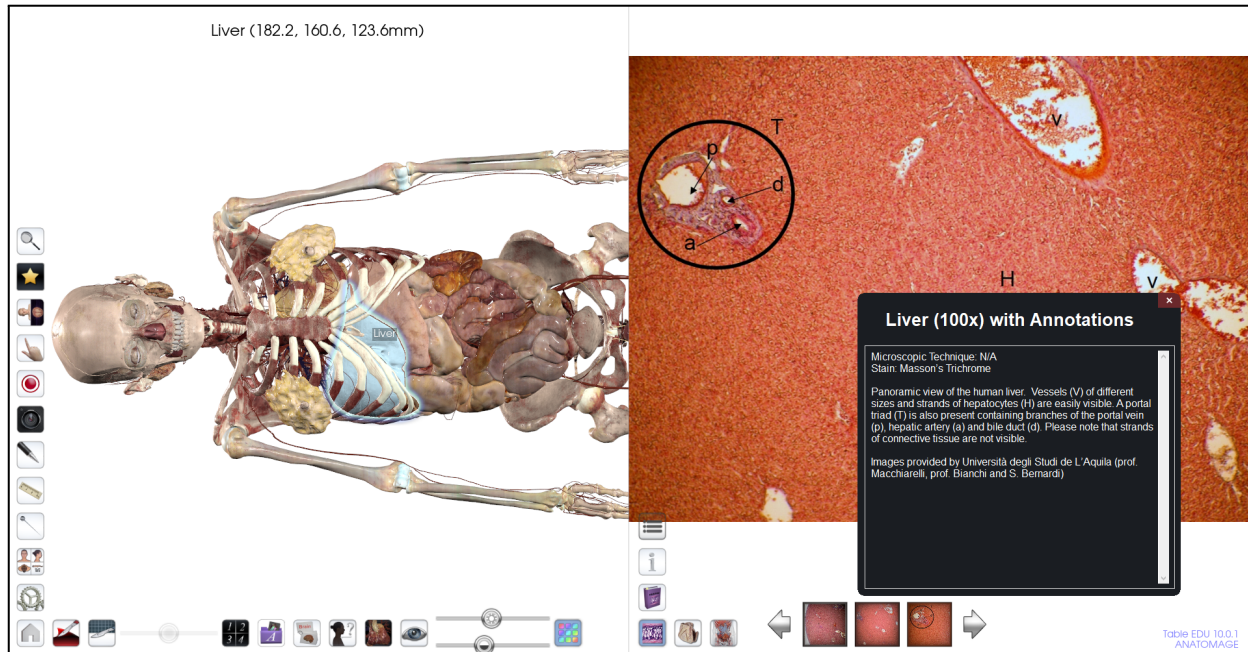
Step 6: If the scan is interactive, it will have an active bullet-list icon ⬛. Tap on this to toggle on and off interactive regions. Interactive regions can also be toggled on and off my tapping their location on the histology image itself.
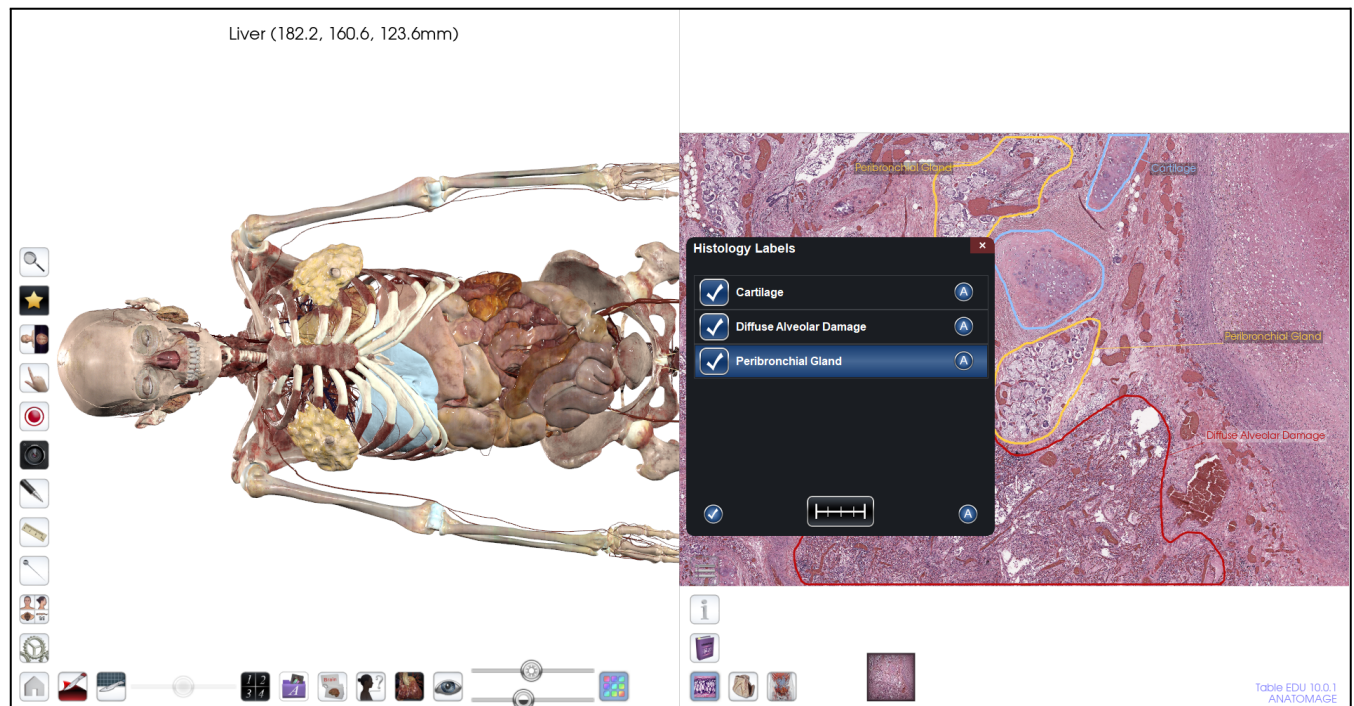


Step 7: If you tap on the histology library icon 📕 the histology interface will open and you can scroll through by tissue type or organ system to see available slides. Using this menu, you do not have to tap on structures on the 3D to get to slides. Please refer to the How to Use Histology document.

Table 10 - How to Change and Use Layouts                                                13
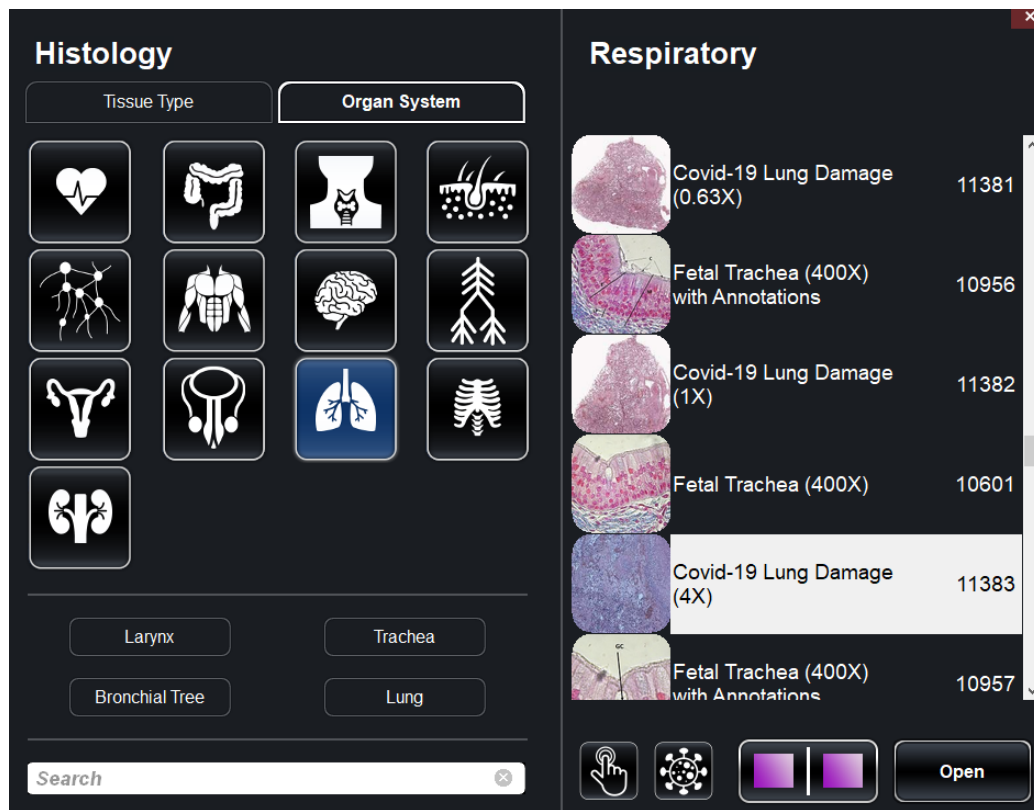
Step 8: Tapping on the DICOM icon  on the bottom of the right monitor will allow you to scroll through and select a specific DICOM scan to see this scan compared to the segmented anatomy image on the left monitor.



Table 10 - How to Change and Use Layouts      14
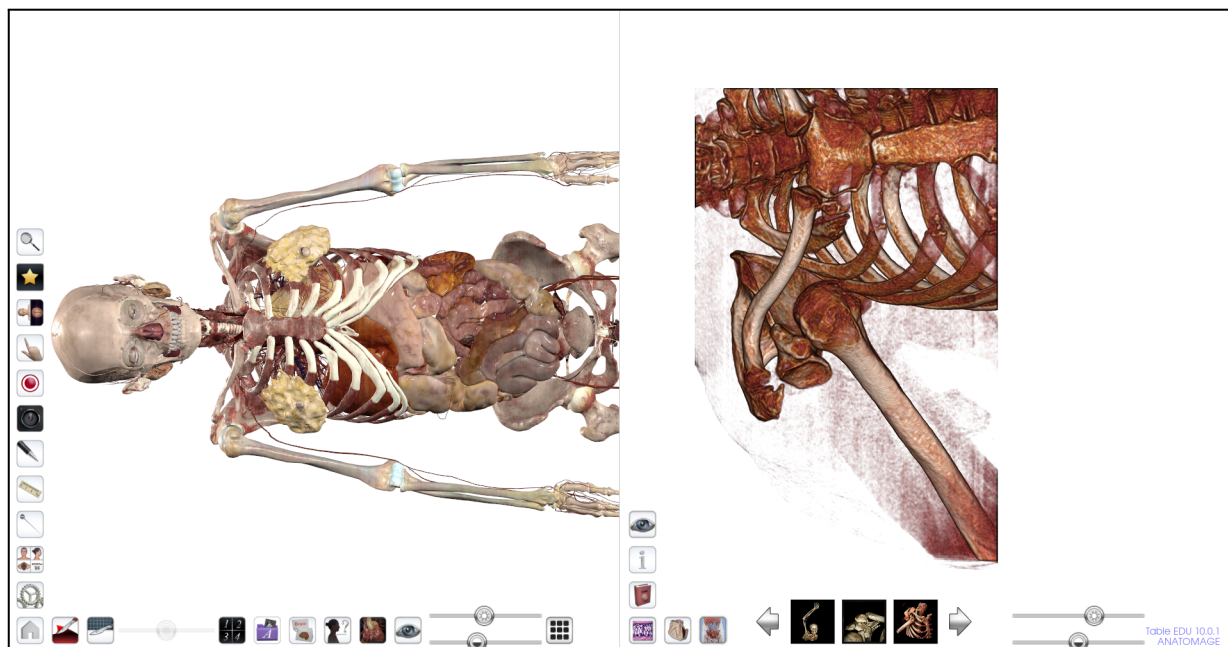
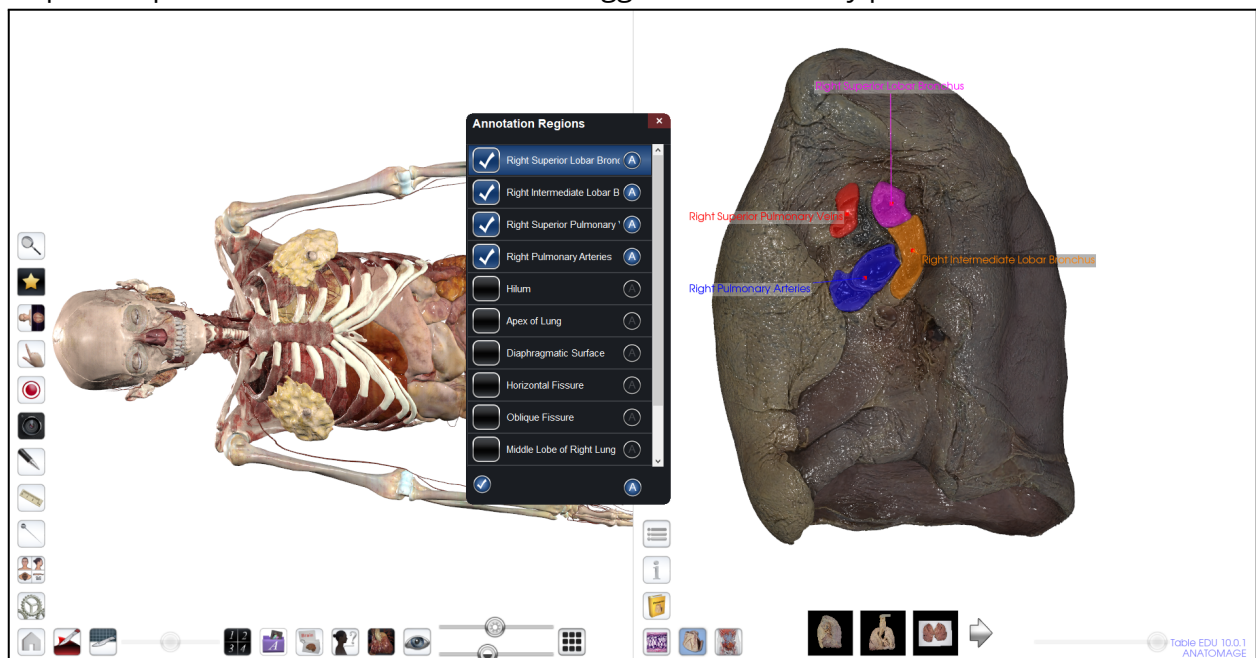Step 9: Tapping on the Prosection icon  on the bottom of the right monitor will allow you to scroll through and select a specific prosection scan to see this scan compared to the segmented anatomy image on the left monitor.
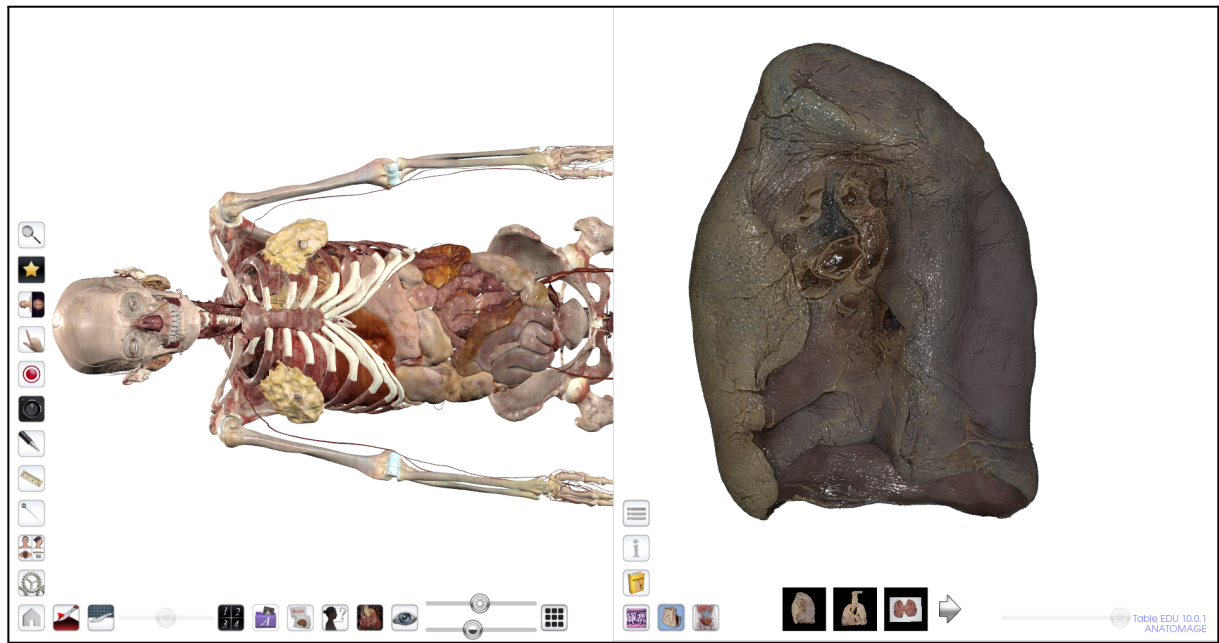


Step 10: Tap the bullet list icon  to toggle on and off any prosection labels



Step 10: Use the Case Library and Prosection library buttons to access their full libraries as well.

Table 10 - How to Change and Use Layouts                                                        15
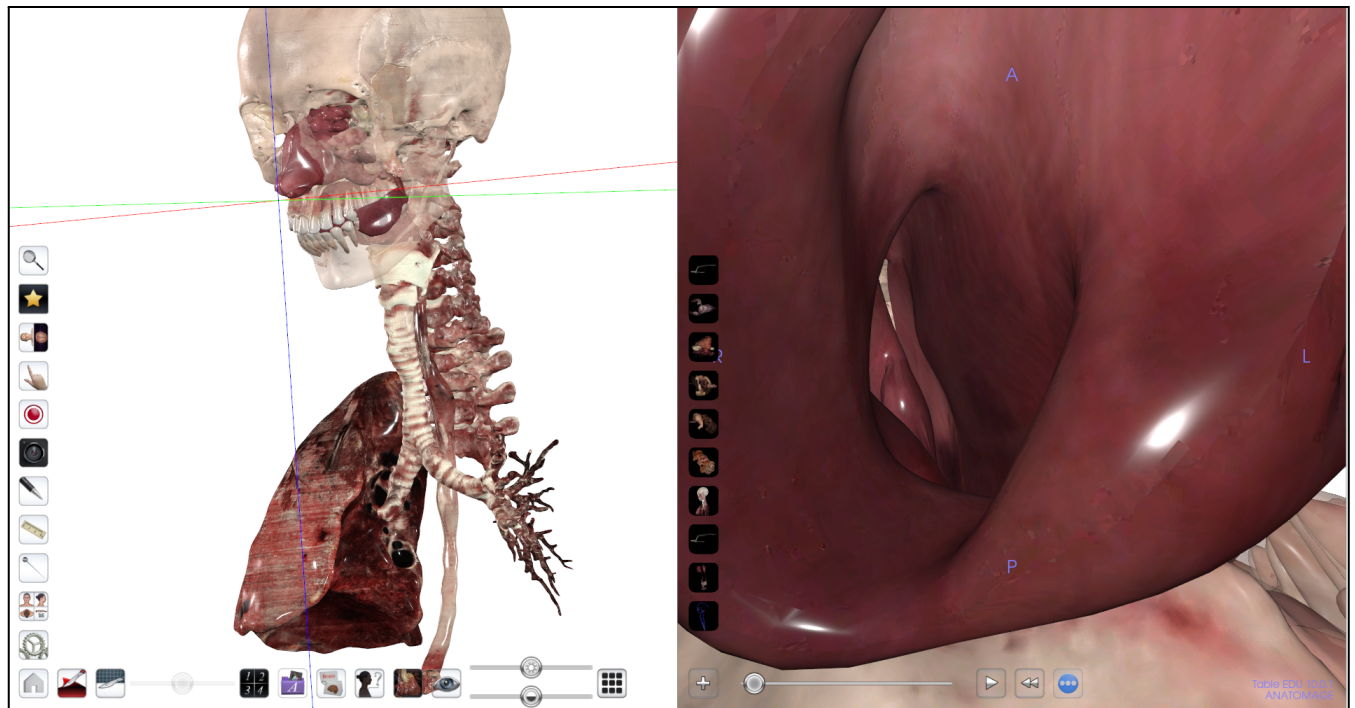
## How to Use the Flythrough Layout

Step 1: Single tap the layout tool icon . The icon will expand to show the following icons. 

Step 2: Single tap on the flythrough icon . This will open up a blank screen on your right monitor with icons along the left side, and the 3D image on the left monitor.
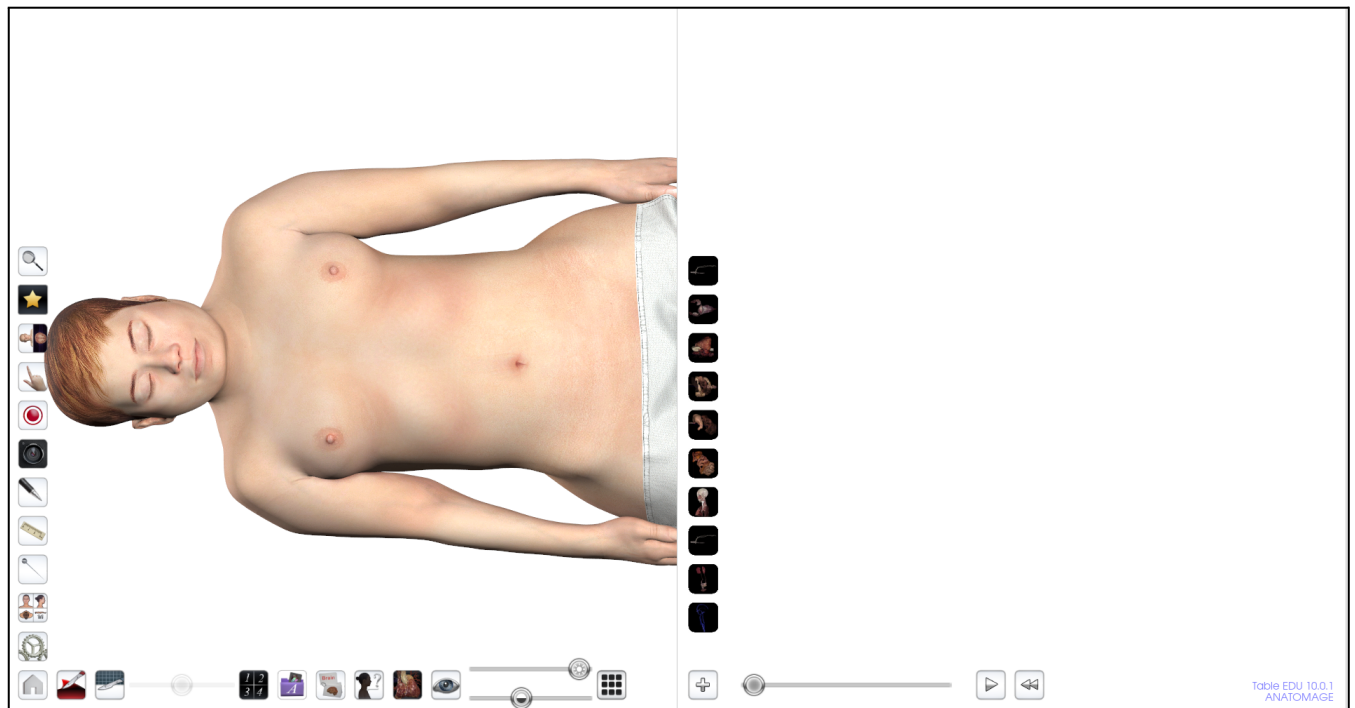


Step 3: The icons on the left side of the right monitor are all the premade flythroughs that are available. **Note: Flythroughs were all made in the high res scans, which came from the Asian cadavers.** These icons you see here, are specific to Vicky. Victor will also have premade flythrough icons, but the other cadavers will not.

Step 4: Tap on one of the premade icons you are interested in. A view will come up on the 3D left monitor and an internal image will appear on the right monitor.

Table 10 - How to Change and Use Layouts                                          16

Step 5: Along the bottom of the right monitor, tap the play icon to play through this flythrough. The labels at the top of both monitors are changing as the path enters different structures along the fly through.



At any point, you can pause the flythrough and slide through at a slower pace using 3 fingers. You can also use the reverse arrow next to the play button to play the flythrough in reverse.

Step 6: You can make your own flythroughs as well. Please refer to the How to Make Custom Flythroughs document for this process.

Table 10 - How to Change and Use Layouts                                          17

**How To Use the Curved Plane Tool**

Step 1: Single tap the layout tool icon . The icon will expand to show the following icons. 

Step 2: Tap on the curved layout tool.  This tool will take a curved structure and show it in a flat 2D plane.



Step 3: Tap on the plus icon on the bottom of the right monitor . It will now be a check icon . Tap on points on the 3D image that you would like to trace out. For this example, points along the aortic arch have been tapped.

Table 10 - How to Change and Use Layouts                                                                18

Step 4: After you have added your points, click on the check icon  . By adjusting the slider bars on the right monitor, you can stretch this image to view the aortic arch as if it were flat, as well as the structures surrounding it.



Table 10 - How to Change and Use Layouts                                                                 19