# Follow Path

The Follow Path tool is useful for reslicing a data set along the centerline of a vessel or airway. A series of points is chosen along a path in the data set, and the data is resliced perpendicular to the line created by these points.
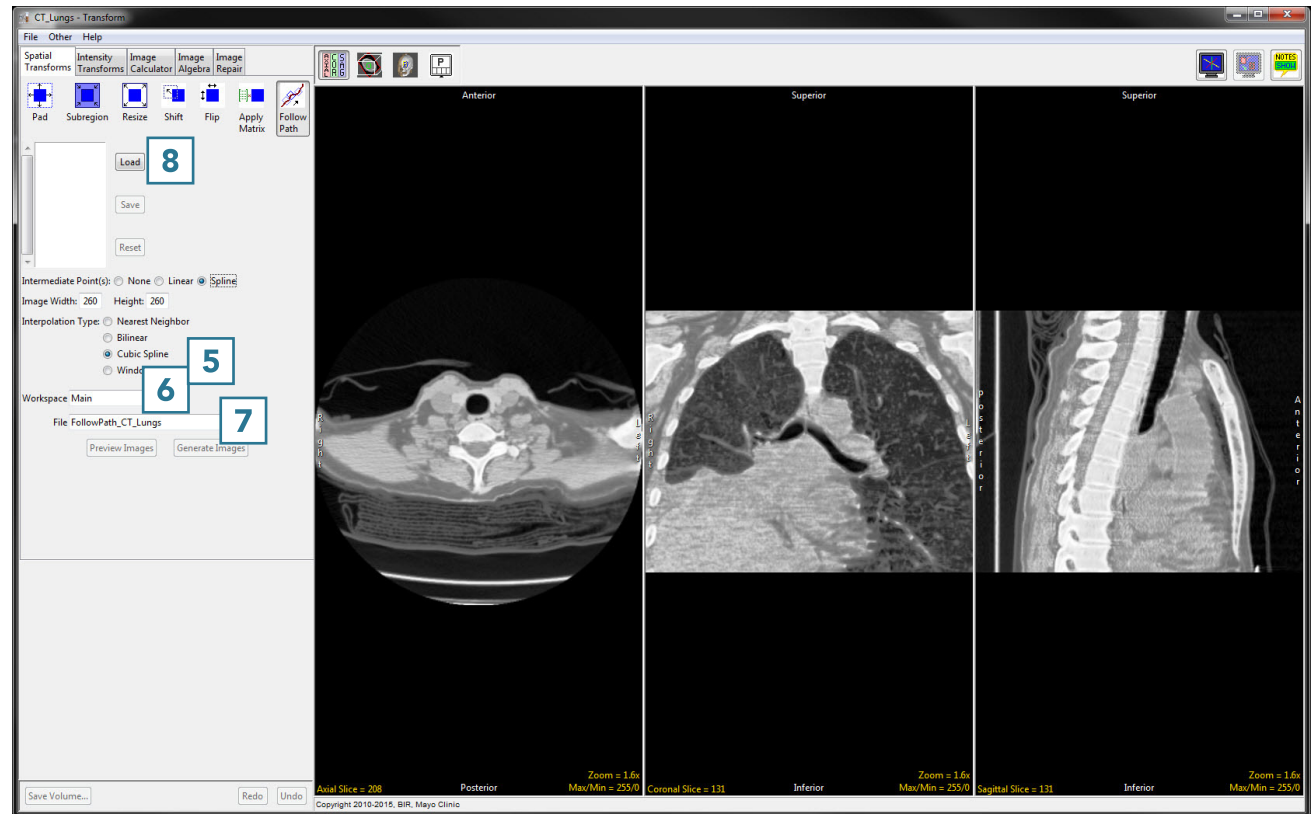
4. Reslicing Data along the Trachea

• Select the data set to reslice along a path of points and open Transform. Navigate to Spatial Transforms 1 and select the Follow Path tool. 2

• Choose a method of connecting the points: none, linear, or spline. 3 Spline creates the smoothest transition between slices, so that will be selected here.

• The image width and height 4 determine the dimensions of the output. If you are interested only in measuring the cross-sectional area of the structure on each slice, the image dimensions can be reduced from their original size.

Download the CT_Lungs data set to follow along
http://analyzedirect.com/data/
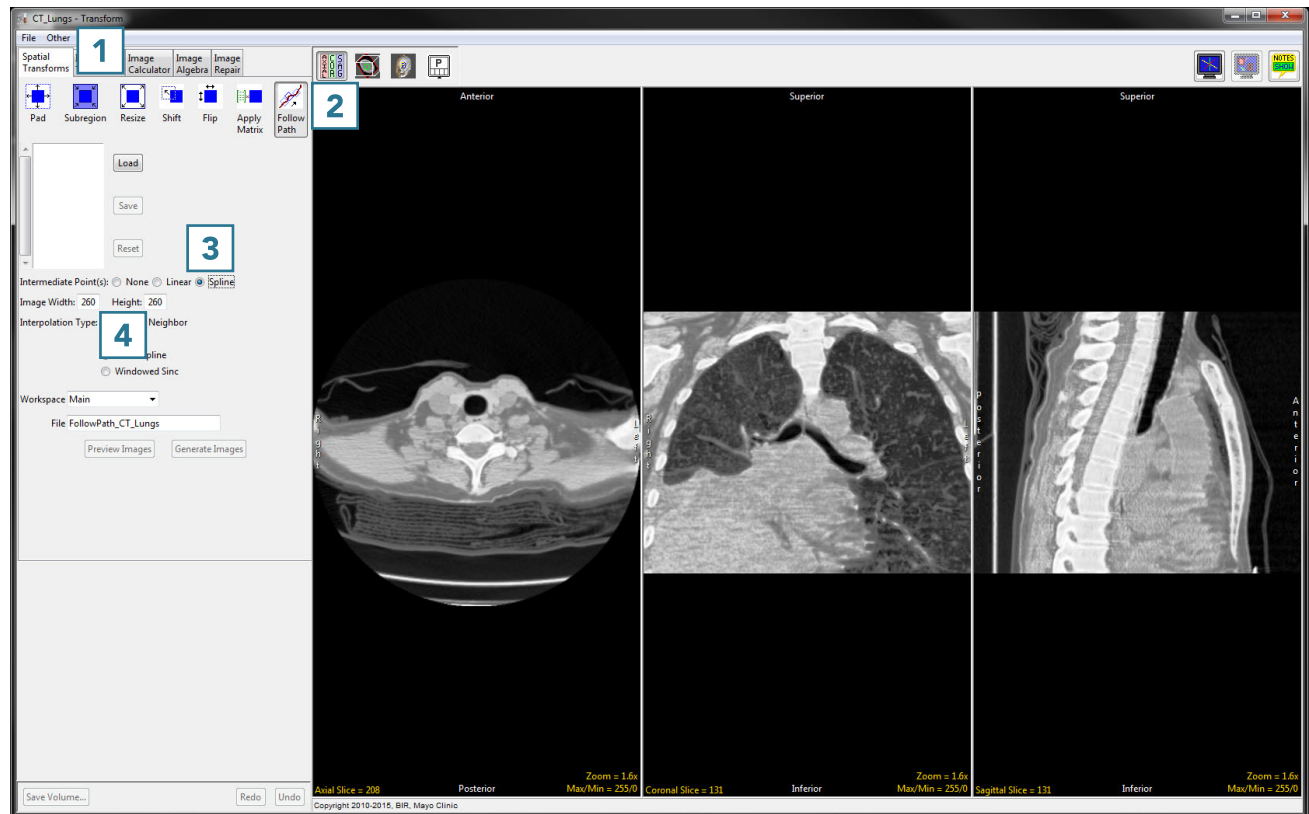
- The interpolation type $\boxed{5}$ can be set to nearest neighbor, bilinear, cubic spline or windowed sinc. For more information on interpolation types, see Table 6.1.

- Choose a workspace $\boxed{6}$ and output file name $\boxed{7}$ for the resliced data set.

- Now it is time to choose the points. A previously saved set of points can be imported using the Load button. $\boxed{8}$ Points can also be chosen by selecting them directly on the data set. Points can be chosen in any orthogonal image but must be chosen in order along a path.

- Click in the trachea to set the first point. 9
- Scroll through the slices and continue to set points along the path 10 until reaching the last point of the desired path. 11
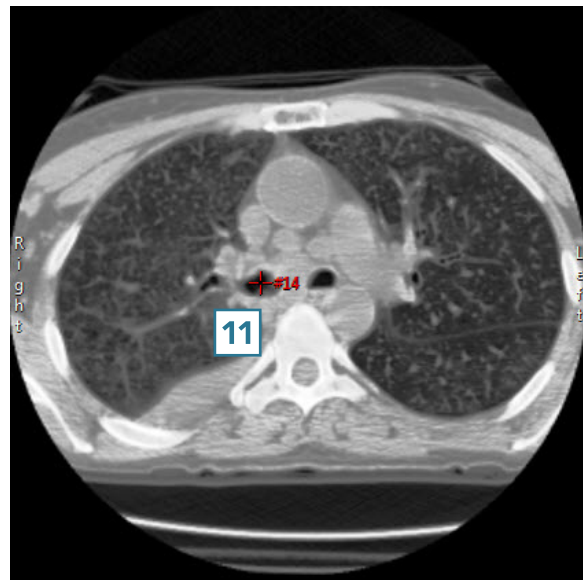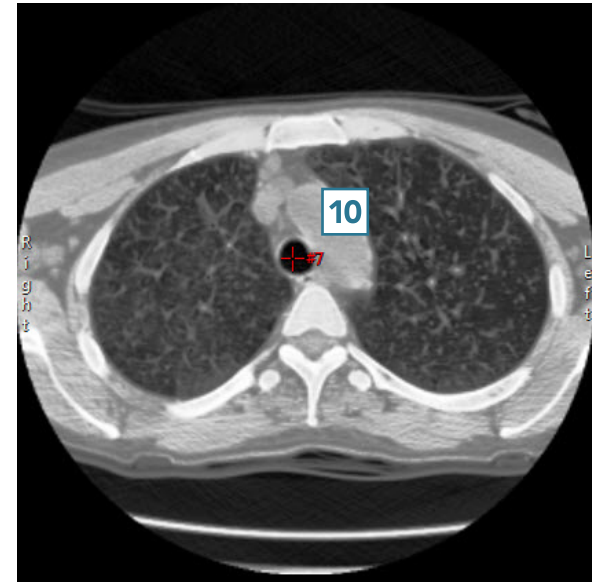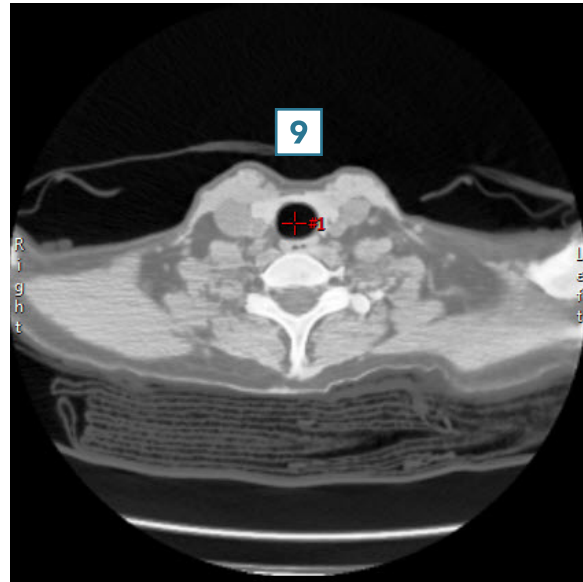
- Click Generate Images **12** to create the resliced data set and save it to the specified workspace.
- Close Transform.