7. 2D Region Grow
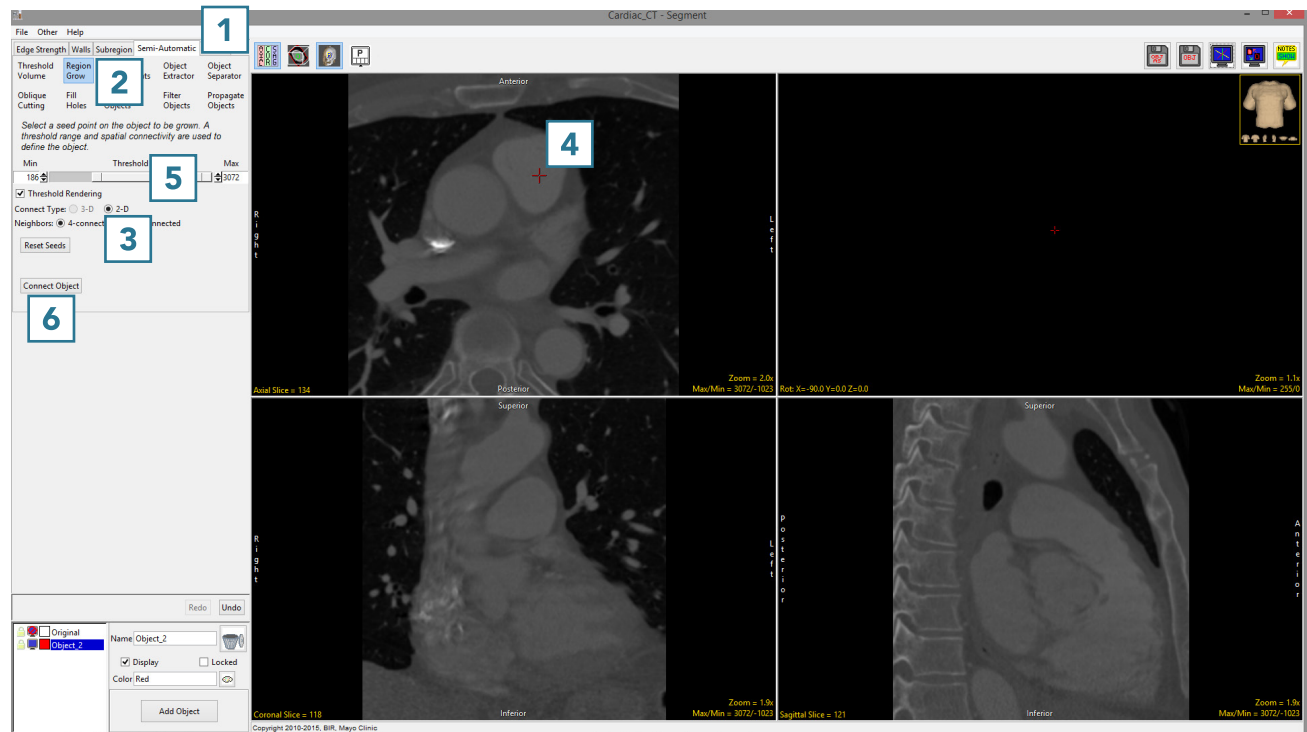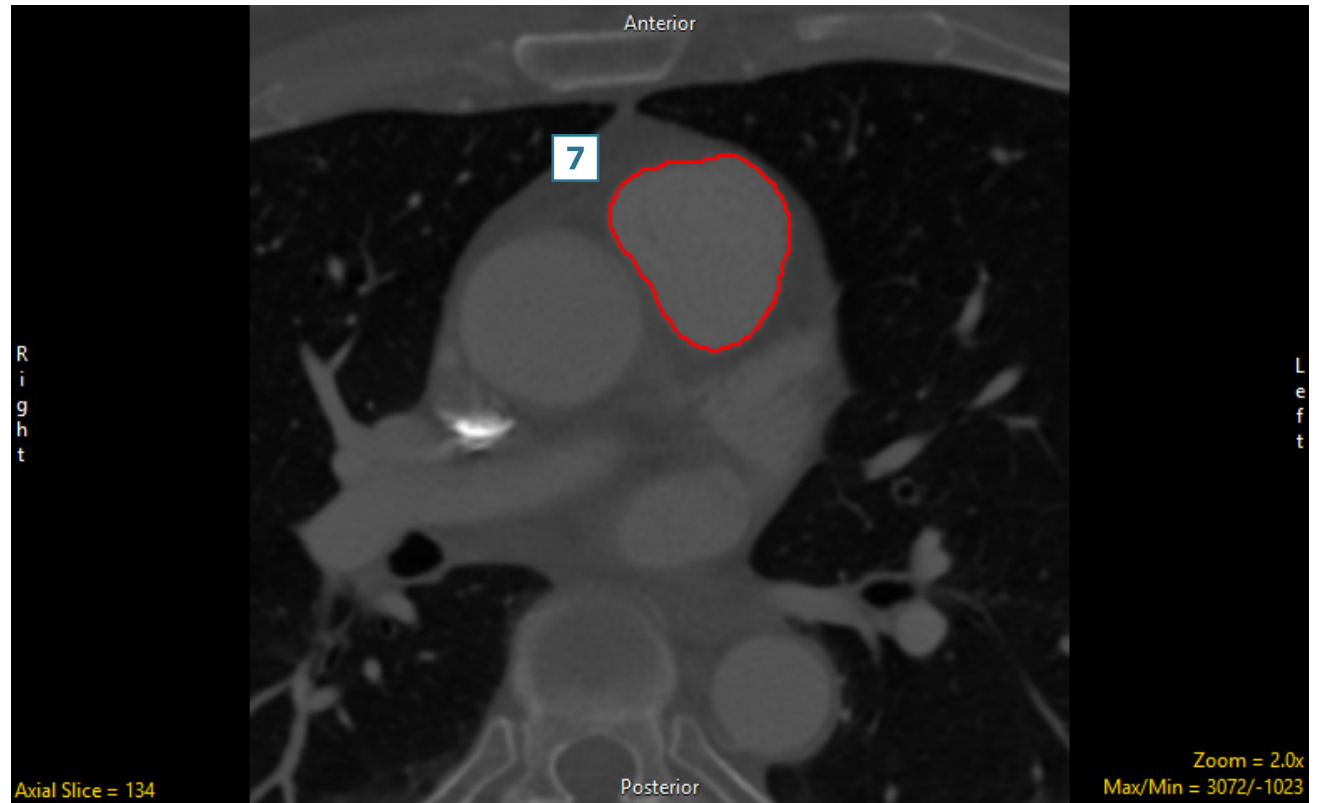
Region grow also provides the ability to limit the region to a single slice via the 2D Connect Type option.

Download the CT_Heart
data set to follow along
http://analyzedirect.com/data/

- Select a data set and open Segment.
- Select Semi-Automatic, [1] choose Region Grow [2] and set the Connect Type to 2D. [3]
- Click on the image data to set a seed point. [4] The seed point should be in the 2D structure you would like to isolate.
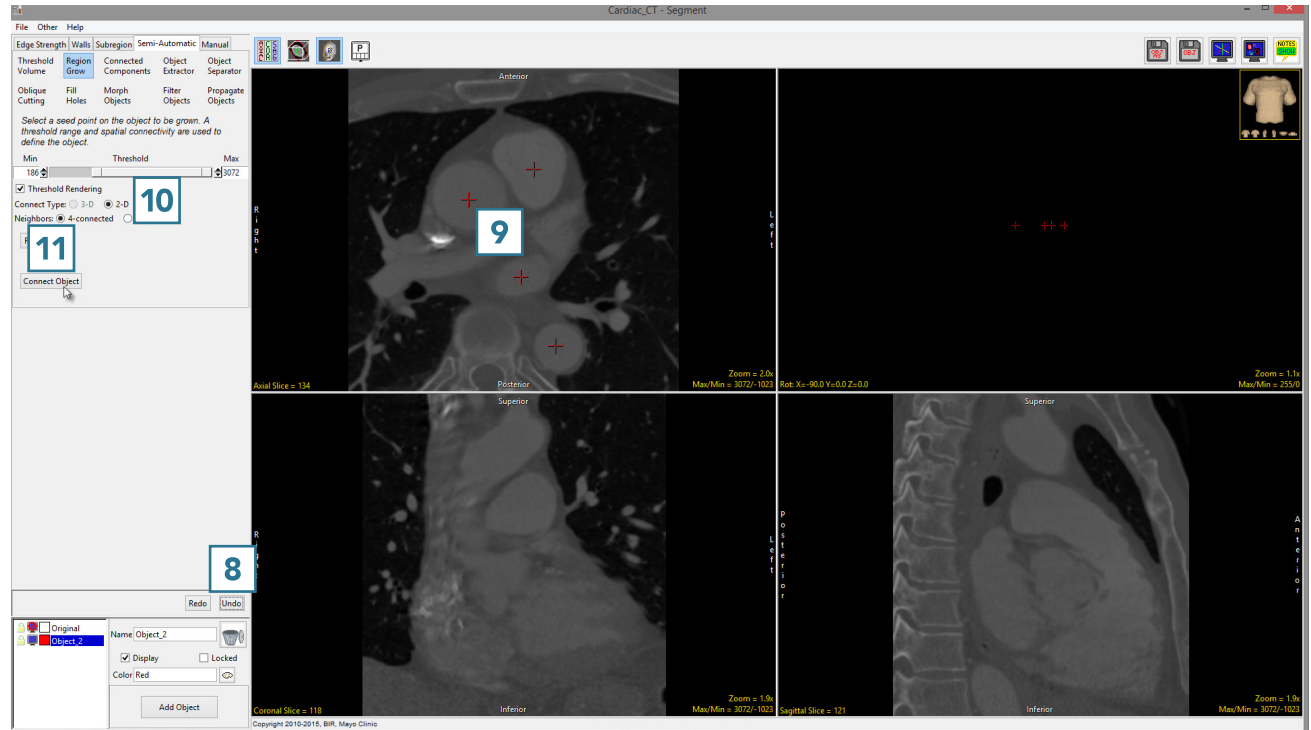- Set the Threshold Min/Max values to define the object [5] and click Connect Object. [6]

• The region will be isolated on the single slice. [7]

- To segment multiple 2D regions, click Undo. **8**
- Click on the image data to set multiple seed points on the regions you want to segment. **9**
- Set the Threshold Min/Max values to define the object **10** and click Connect Object. **11**

- All of the regions falling within the threshold criteria will be isolated in 2D. **12**