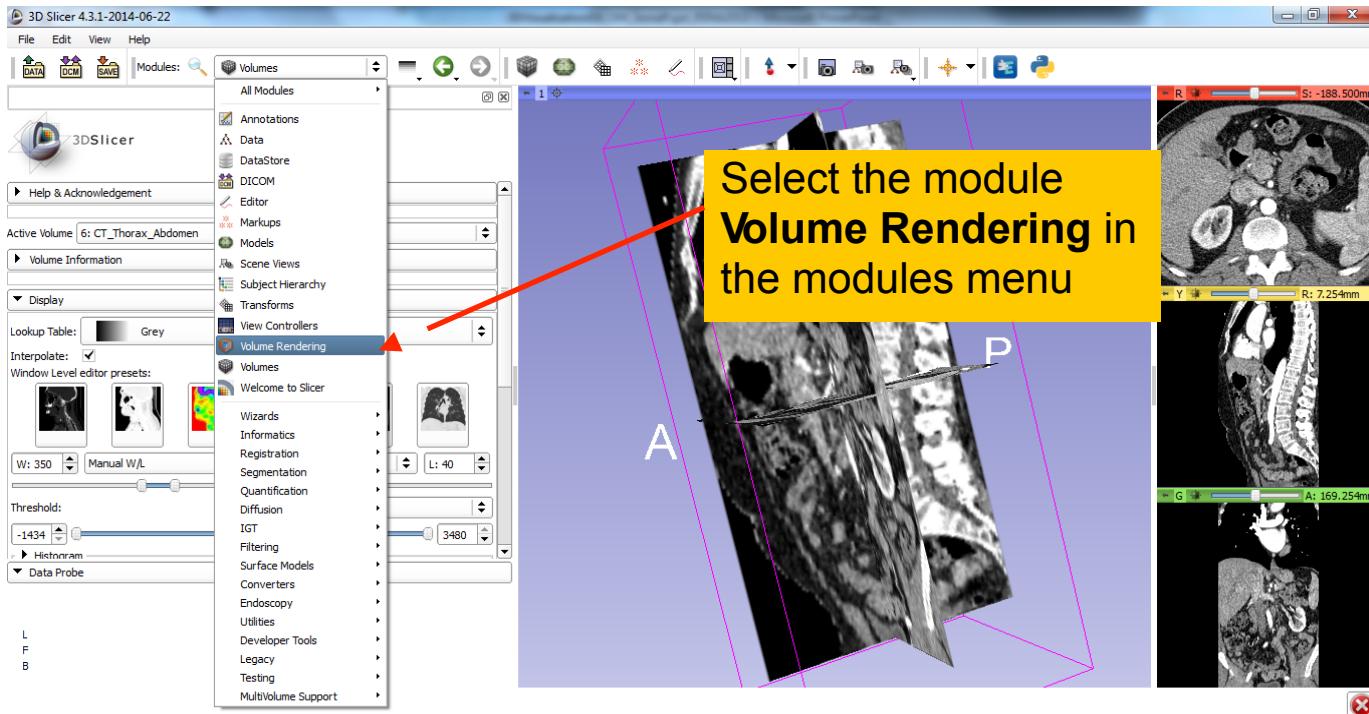


3D Interactive exploration of
thoraco-abdominal CT data
using Volume Rendering

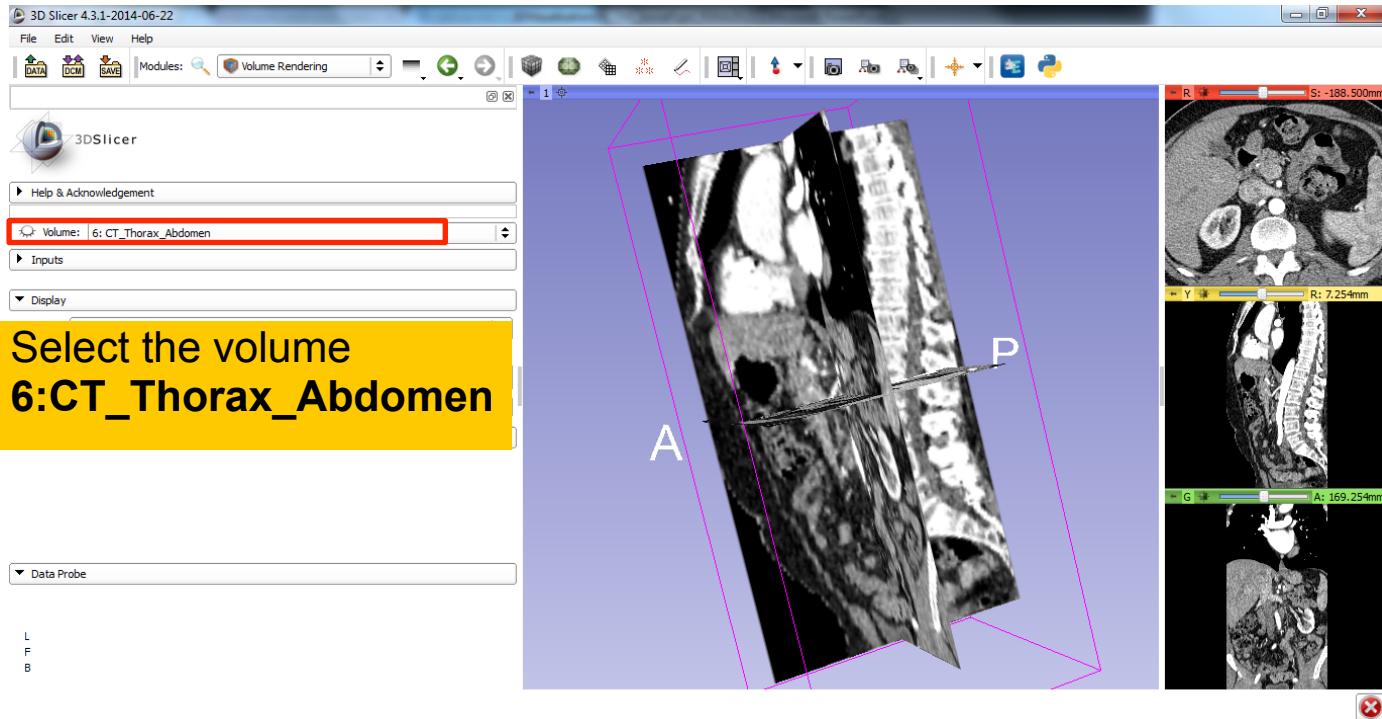


Volume Rendering



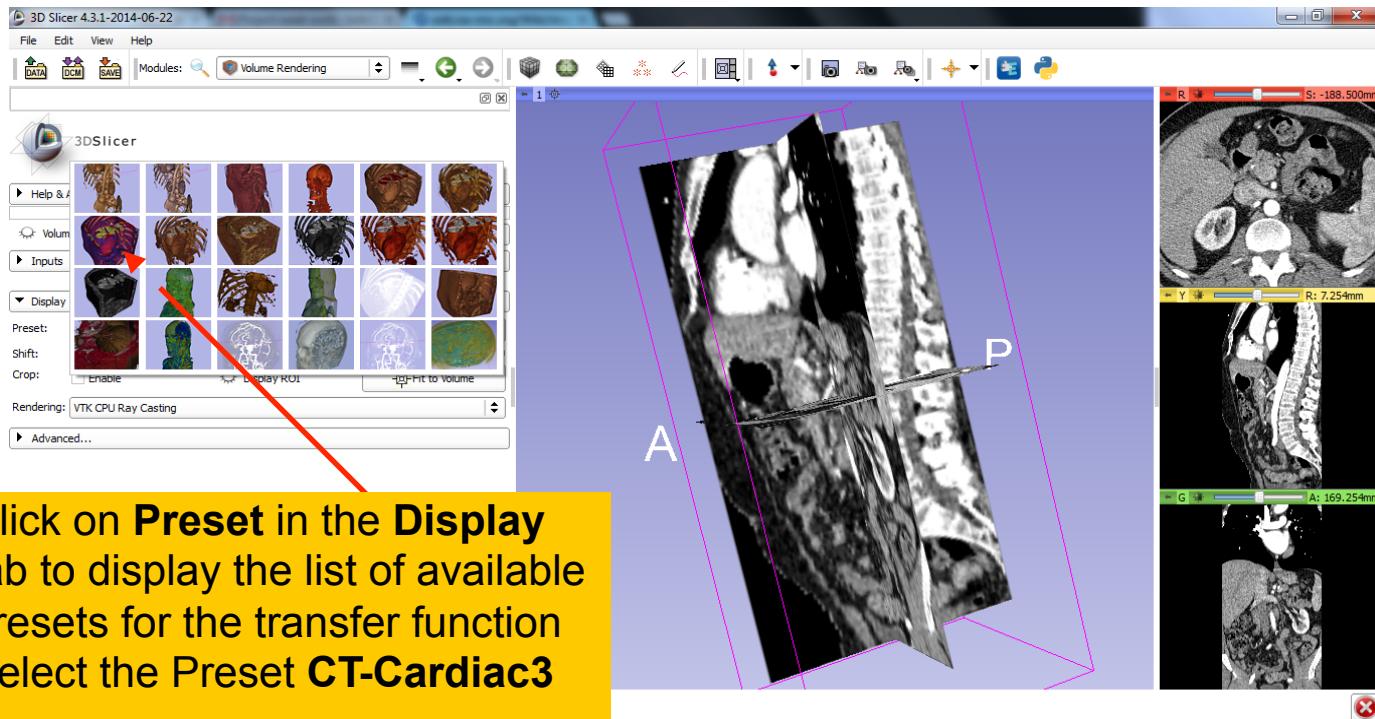


Volume Rendering



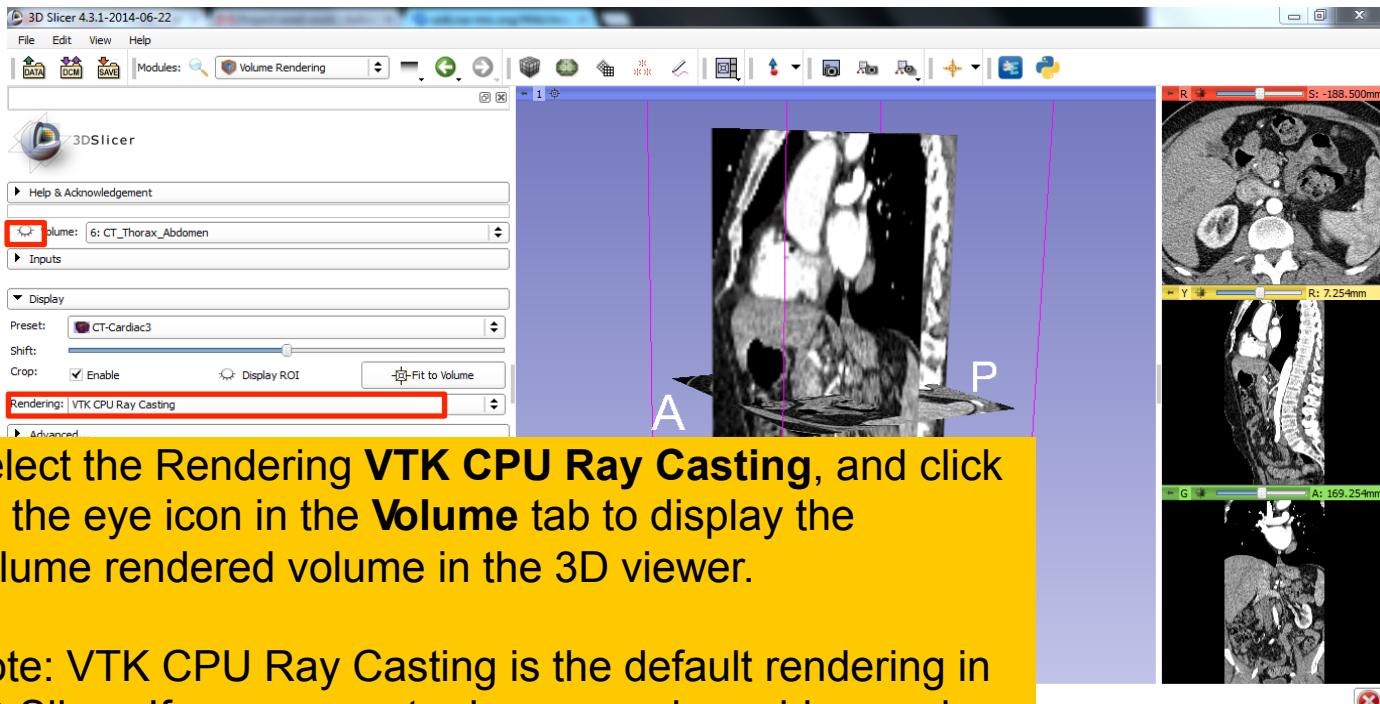


Volume Rendering





Volume Rendering



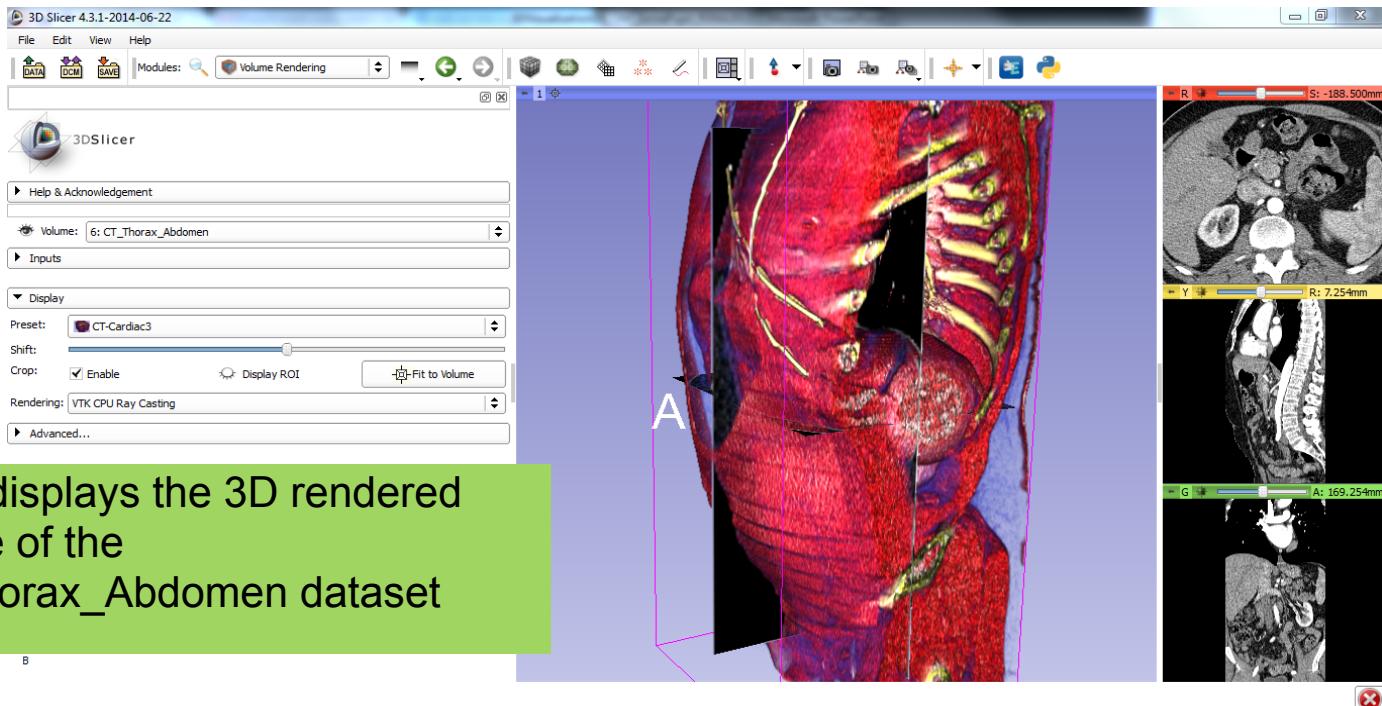
Select the Rendering **VTK CPU Ray Casting**, and click on the eye icon in the **Volume** tab to display the Volume rendered volume in the 3D viewer.

Note: VTK CPU Ray Casting is the default rendering in 3D Slicer. If your computer has a good graphics card, we recommend the **VTK GPU Ray Casting**

Slide 41

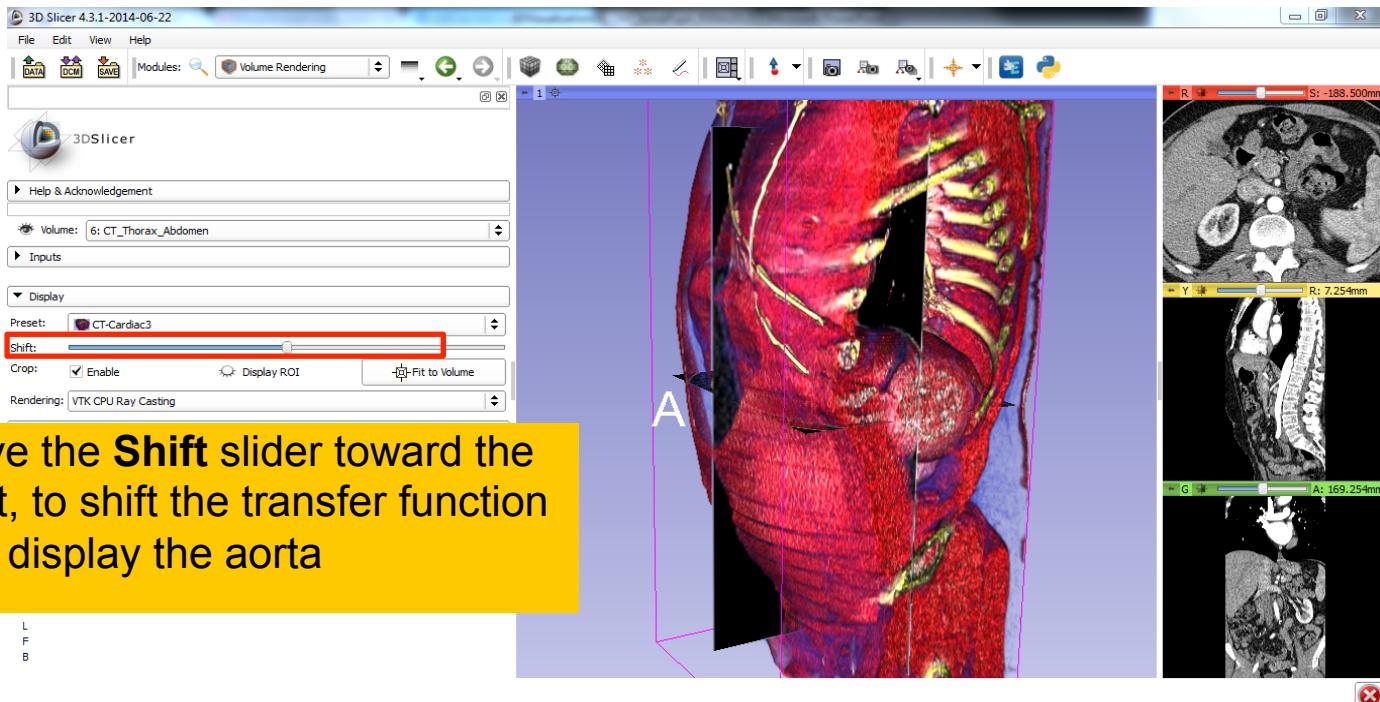


Volume Rendering



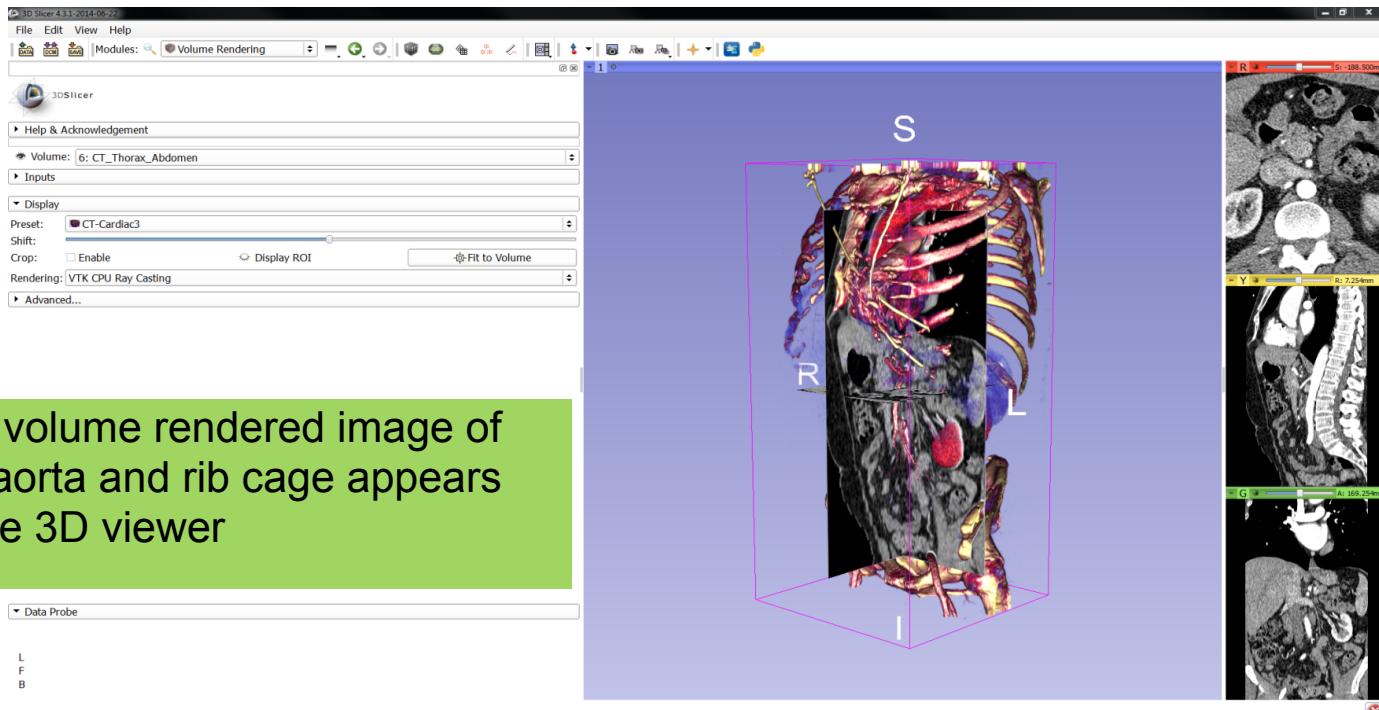


Volume Rendering



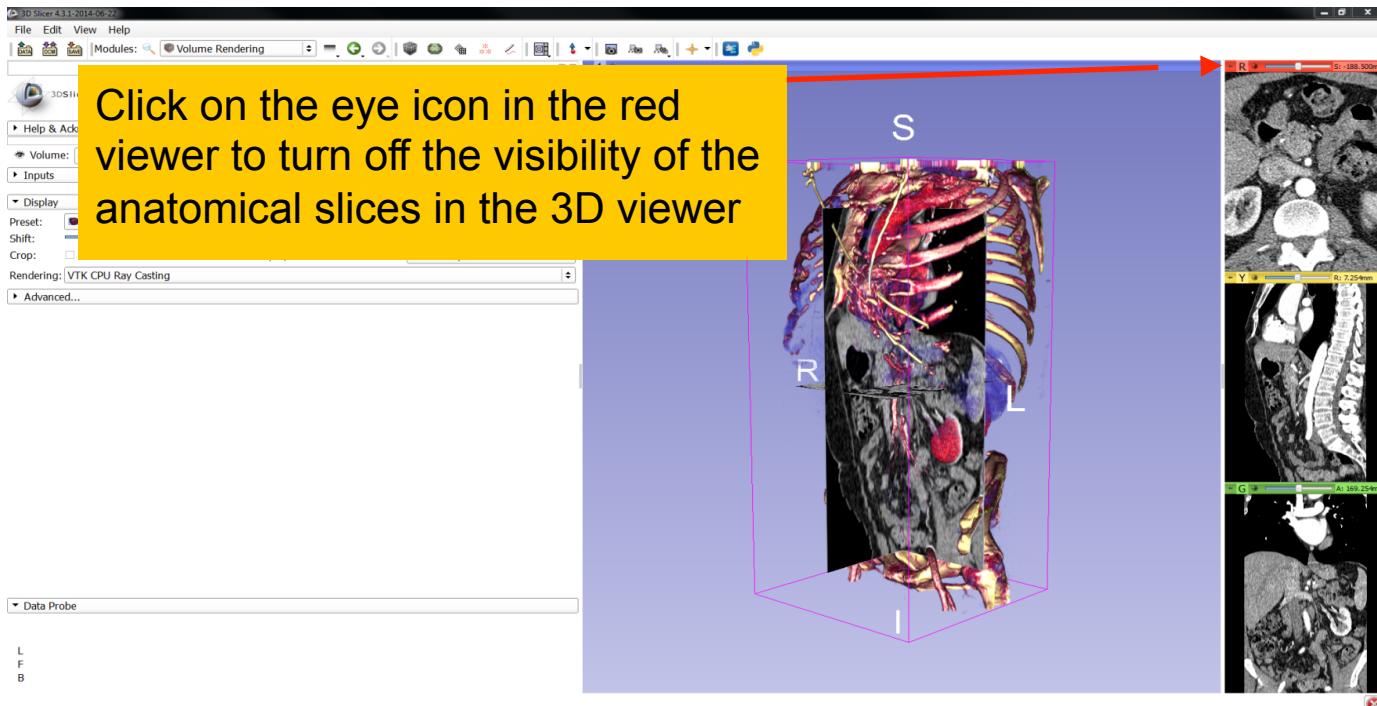


Volume Rendering

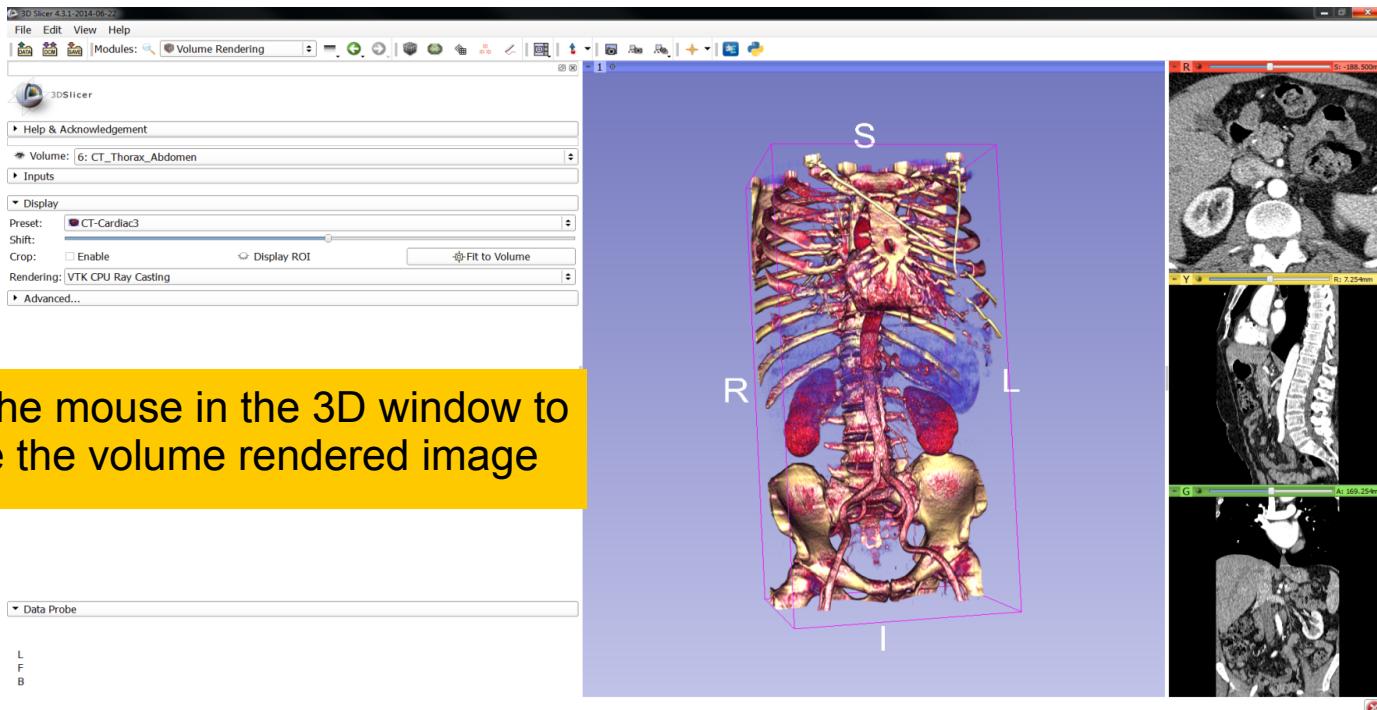




Volume Rendering

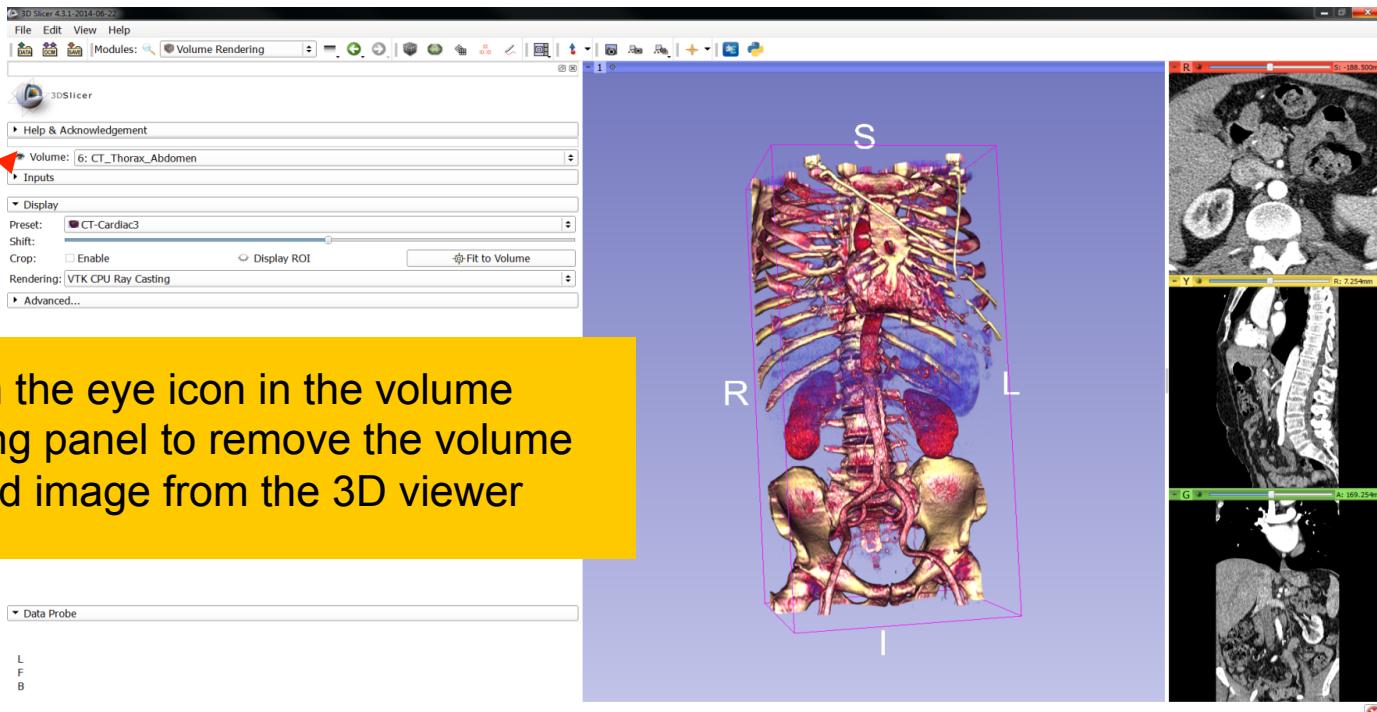


Volume Rendering





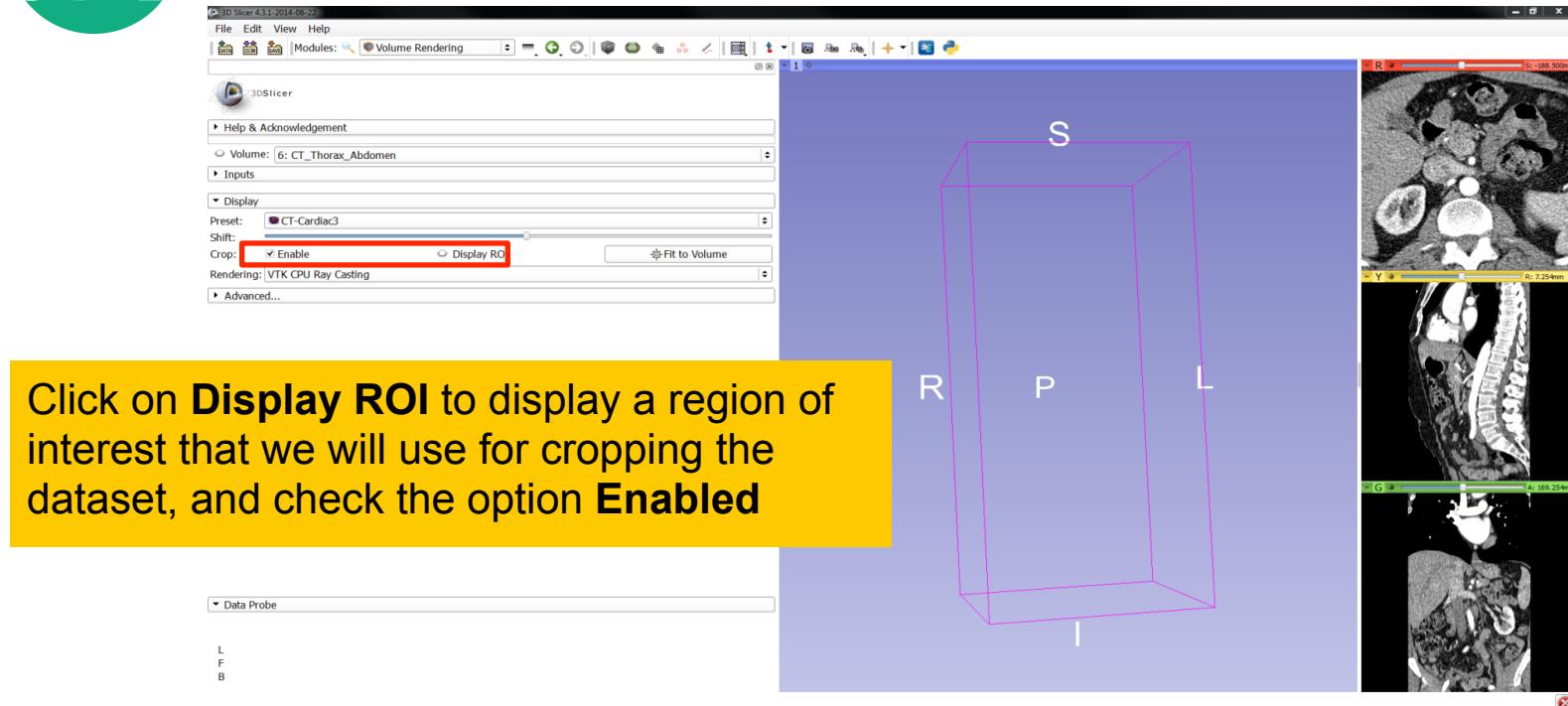
Volume Rendering



Click on the eye icon in the volume rendering panel to remove the volume rendered image from the 3D viewer

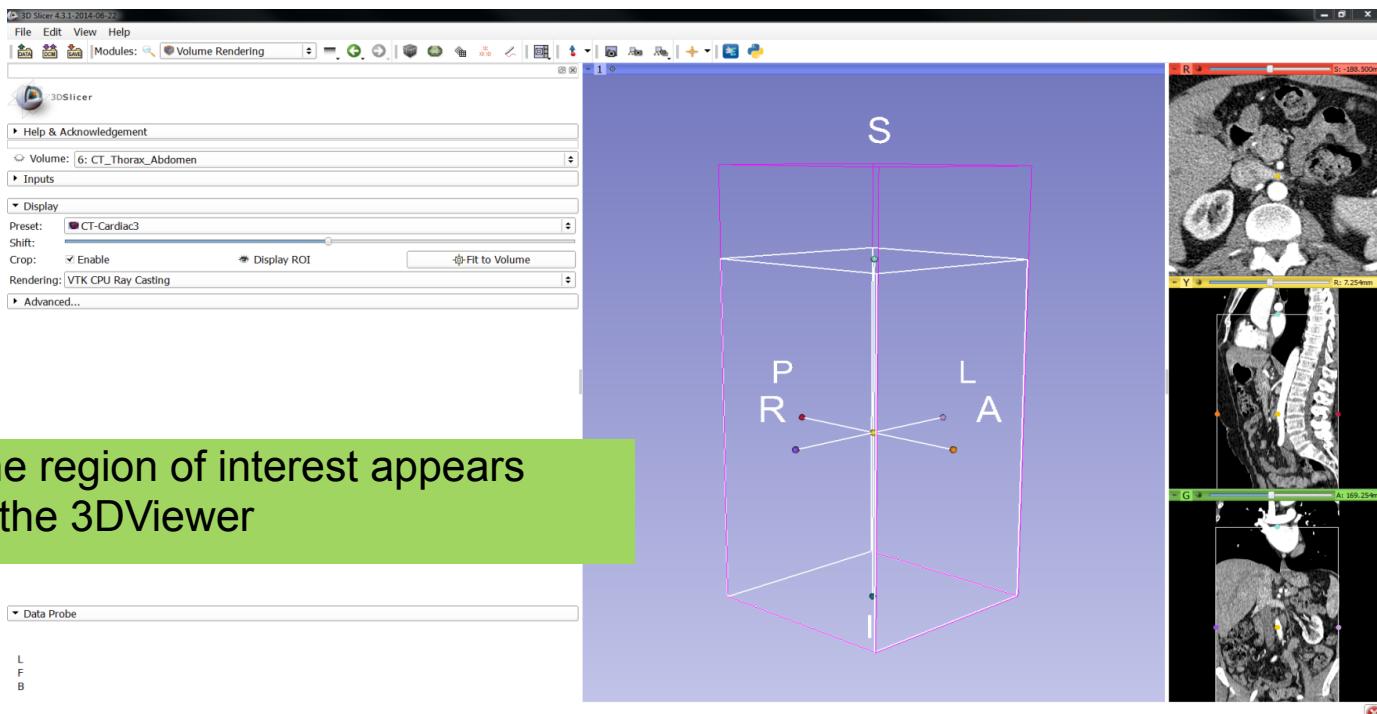


Volume Rendering



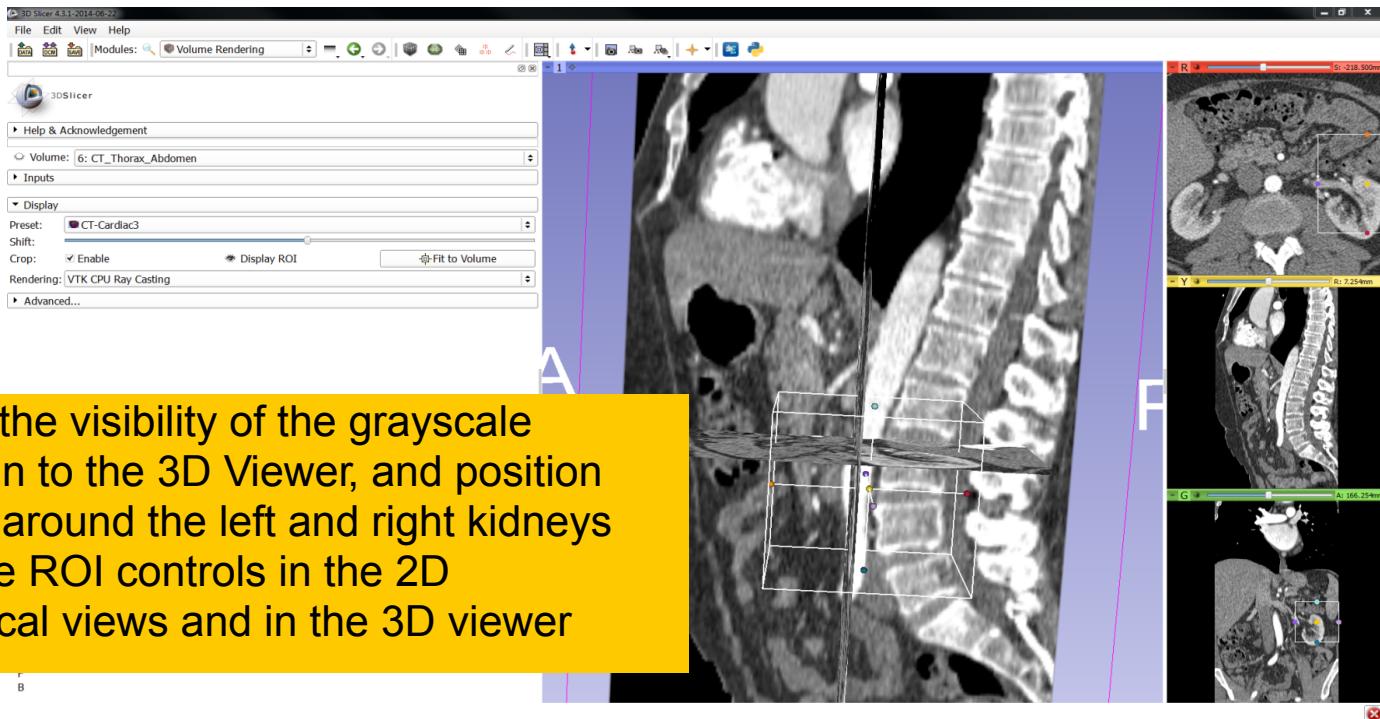


Volume Rendering





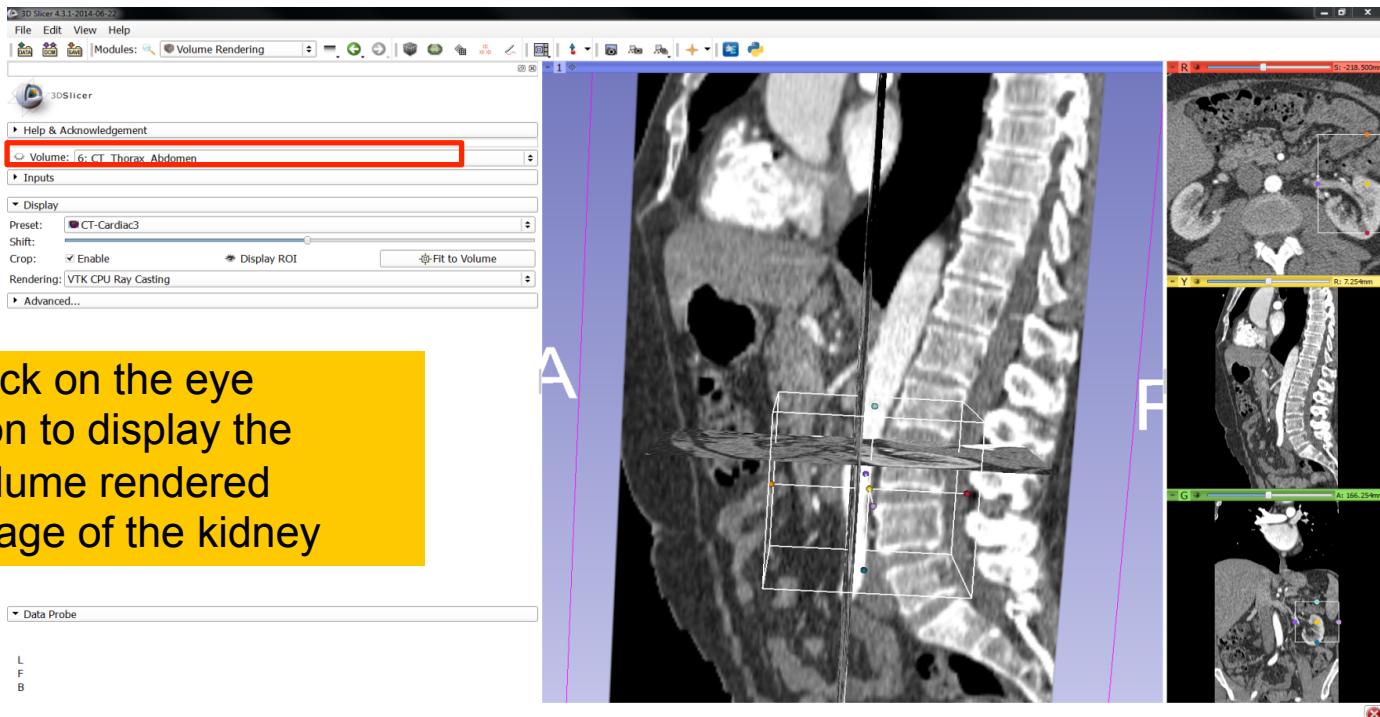
Volume Rendering



Slide 50

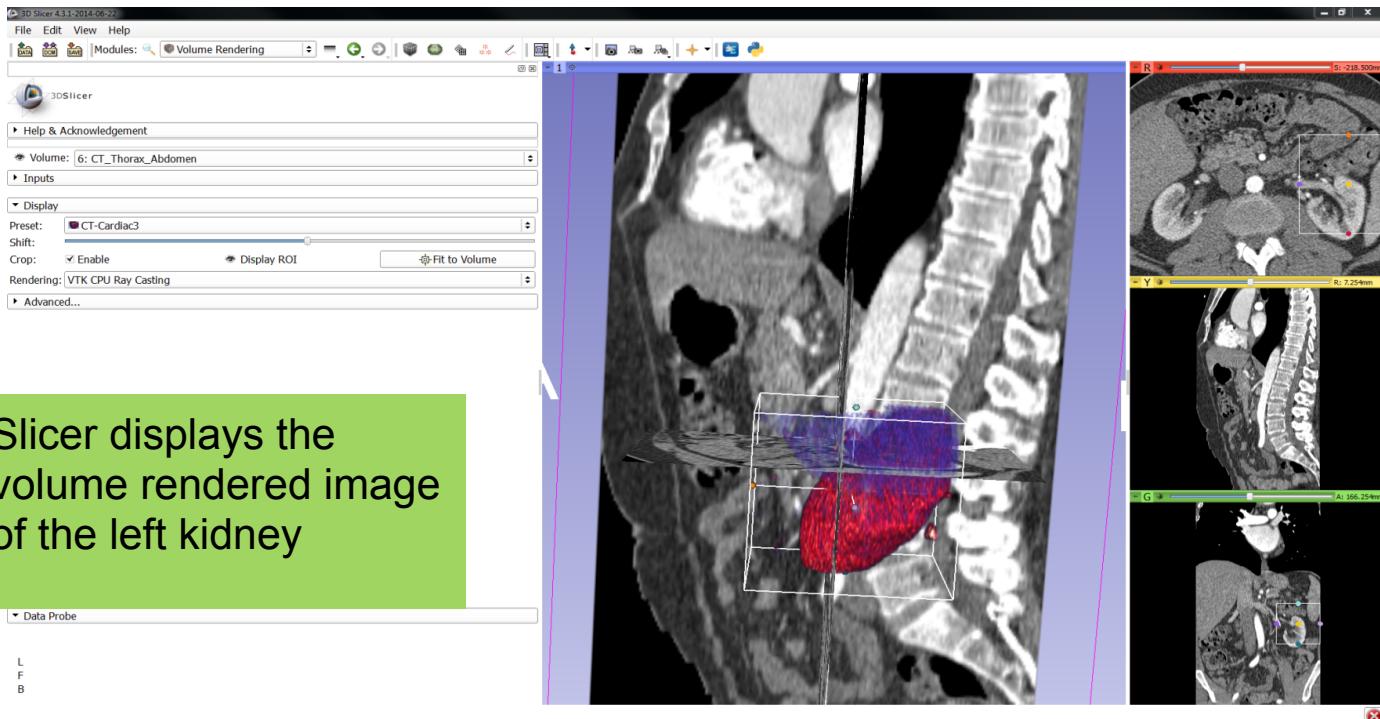


Volume Rendering



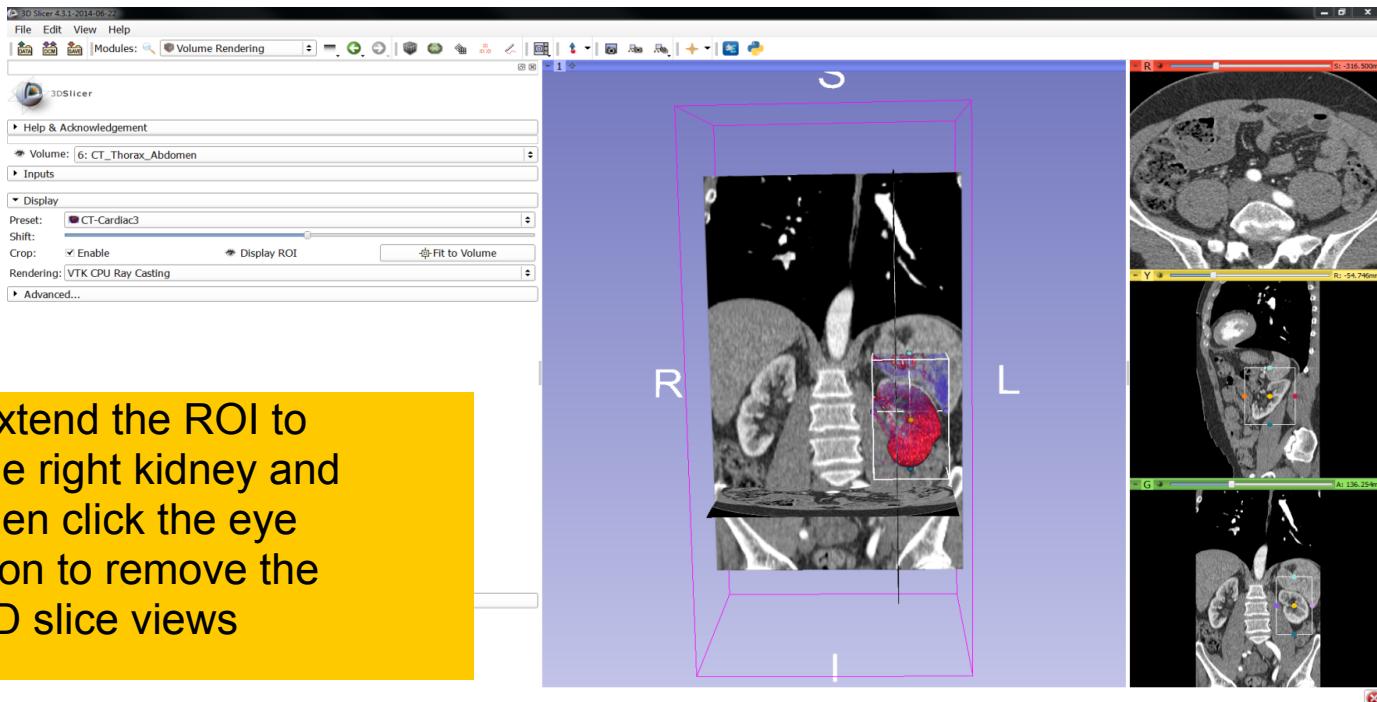


Volume Rendering



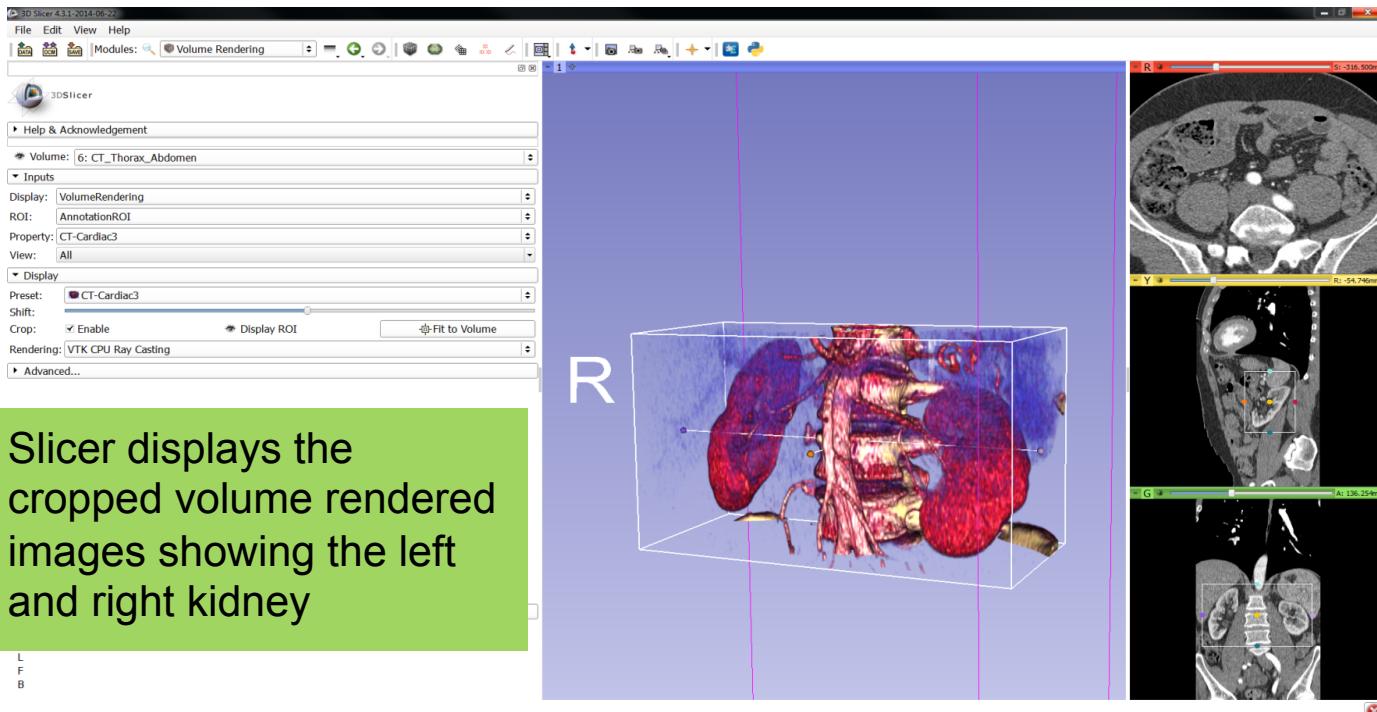


Volume Rendering



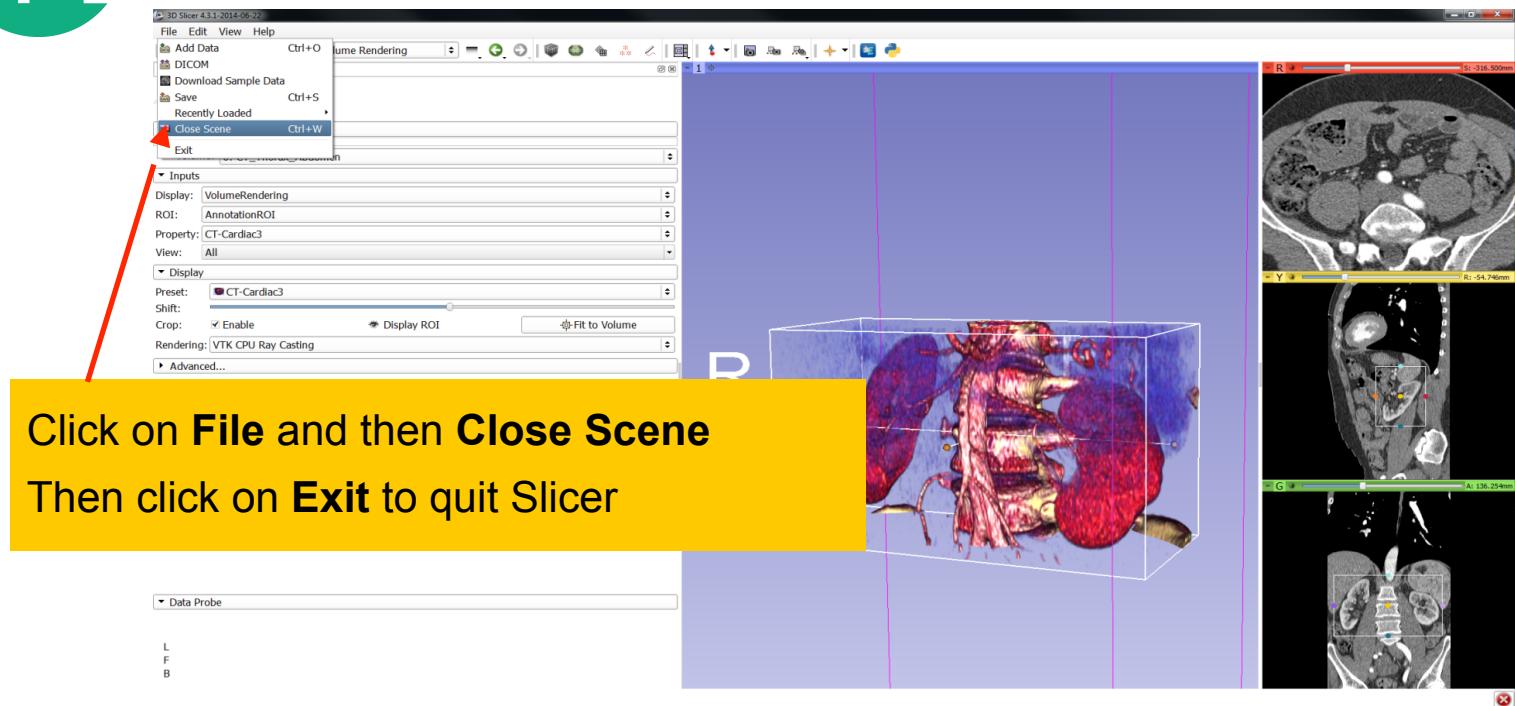


Volume Rendering



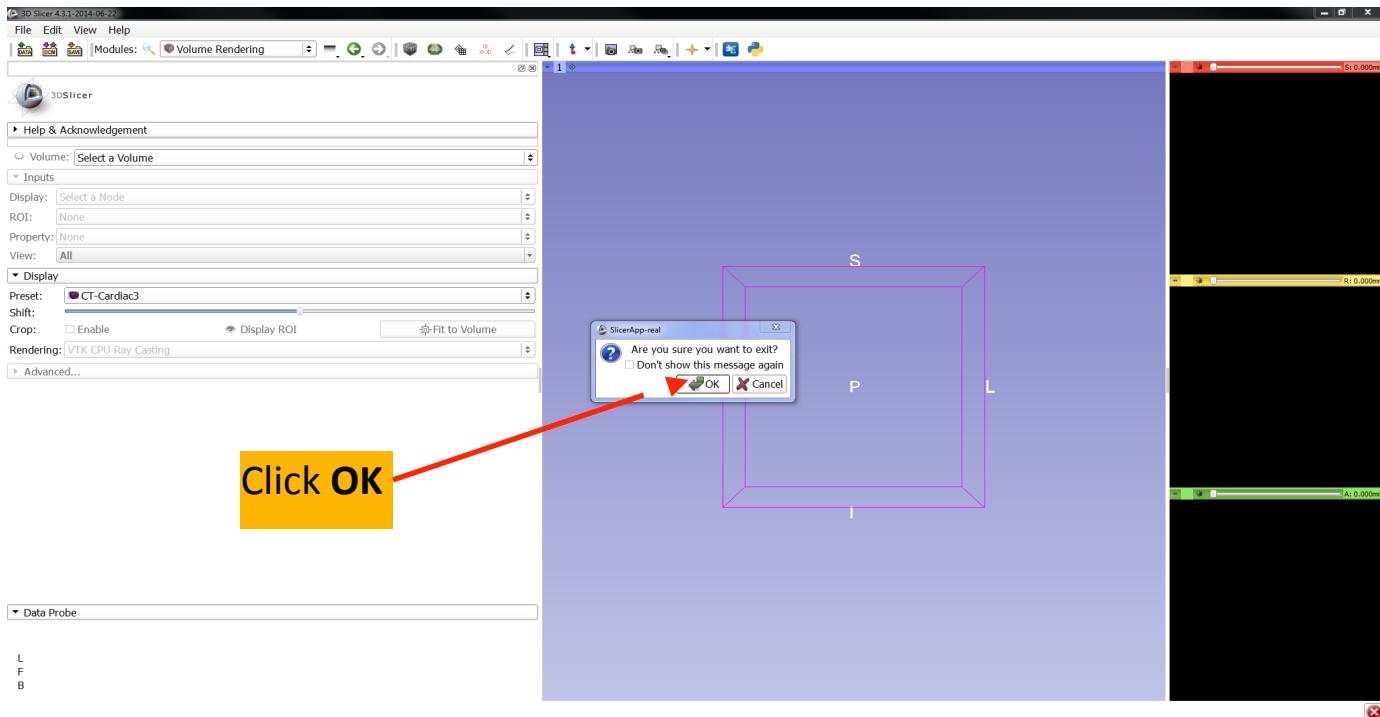


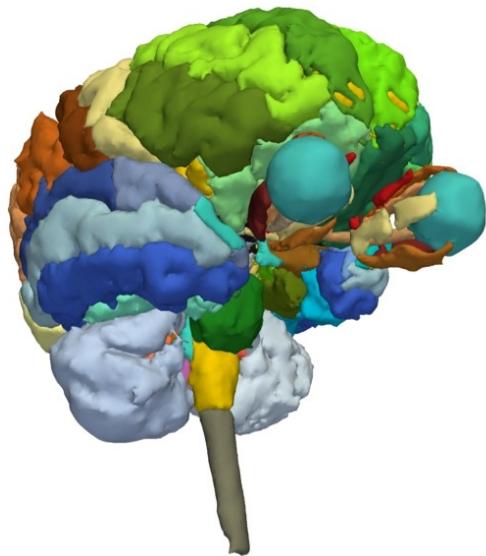
Volume Rendering





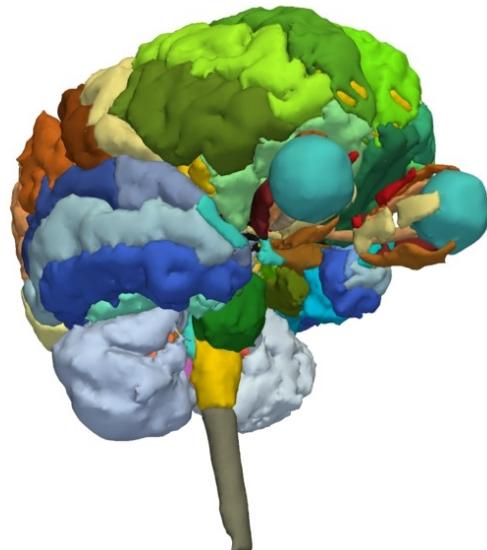
Volume Rendering





3D visualization of surface
models of the brain

3D Data Loading and Visualization



- This tutorial is a short introduction to the advanced **3D visualization capabilities Slicer**
- The Slicer4 Minute dataset is composed of an MR scan of the brain and 3D surface reconstructions of anatomical structures.
- The data are part of the **SPL Multi-modality MRI-based atlas of the brain** by Halle et al. The atlas is available at:

<http://www.spl.harvard.edu/publications/item/view/2037>