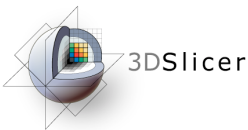
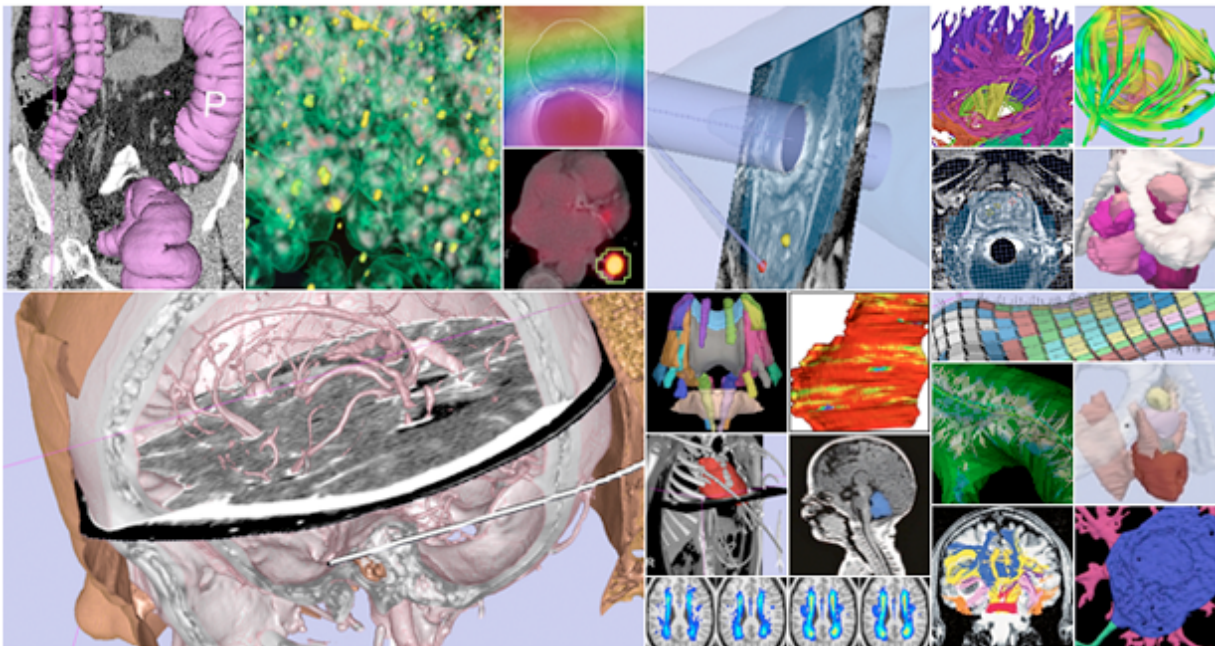


## 3D Interactive Visualization of DICOM Images for Radiology Applications

Monday November 29, 2010 02:30 PM - 04:00 PM

Author/Presenters: Kitt Shaffer MD, PhD, Sonia Pujol PhD, Randy L. Gollub MD, PhD

This workshop is an introduction to the basics of viewing and interacting with DICOM volumes in 3D using the 3D Slicer software. The 90 minute course is divided into two sections: the first part introduces the concepts of 3D visualization through an hands-on training session using two MR DICOM datasets of the brain and 3D reconstructed models of cerebral structures; the second part guides the user through the exploration of abdominal structures using a series of models, which include the segments of the liver, reconstructed from DICOM images of clinical cases. Interactions with the 3D models are fostered by a series of radiological tasks to accomplish by the participants. Detailed answers to the tasks are provided during the workshop as the instructors guide the audience through the 3D visualization settings to enhance the understanding of the complexity of the anatomical structures involved.



**3D Slicer** is a free, open source software package for visualization and image analysis funded by the NIH. The software is natively designed to be available on multiple platforms, including Windows, Linux and Mac Os X.

Software: <http://www.slicer.org/pages/Special:SlicerDownloads>  
Tutorial Slides: [http://www.slicer.org/slicerWiki/index.php/Slicer\\_3.6:Training](http://www.slicer.org/slicerWiki/index.php/Slicer_3.6:Training)  
Tutorial Data: [http://www.slicer.org/slicerWiki/index.php/Slicer\\_3.6:Training](http://www.slicer.org/slicerWiki/index.php/Slicer_3.6:Training)  
Other RSNA courses using 3D Slicer: **Quantitative Medical Imaging for Clinical Research and Practice**  
**Tuesday November 30, 2010 10:30 AM - 12:00 PM**



3D Slicer Version 3.6.2 is the most current software release.