# Quantitative Medical Imaging for Clinical Research And Practice

Tuesday November 30, 2010 10:30 AM - 12:00 PM
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This workshop will begin with an introductory presentation of state-of-the-art, clinical examples of quantitative imaging biomarkers for diagnosis and clinical trial outcome measures. Cases from multiple imaging modalities and from multiple organ systems will be highlighted to illustrate the depth and breath of this field. Participants will then be led through a series of tutorials on the basics of viewing and processing DICOM volumes in 3D using 3D Slicer (www.slicer.org). Specific hands-on demonstrations will focus on basic visualization with the software package, quantitative measurements from PET/CT studies, and volumetric analysis of meningioma.
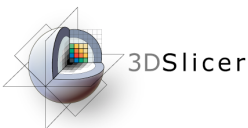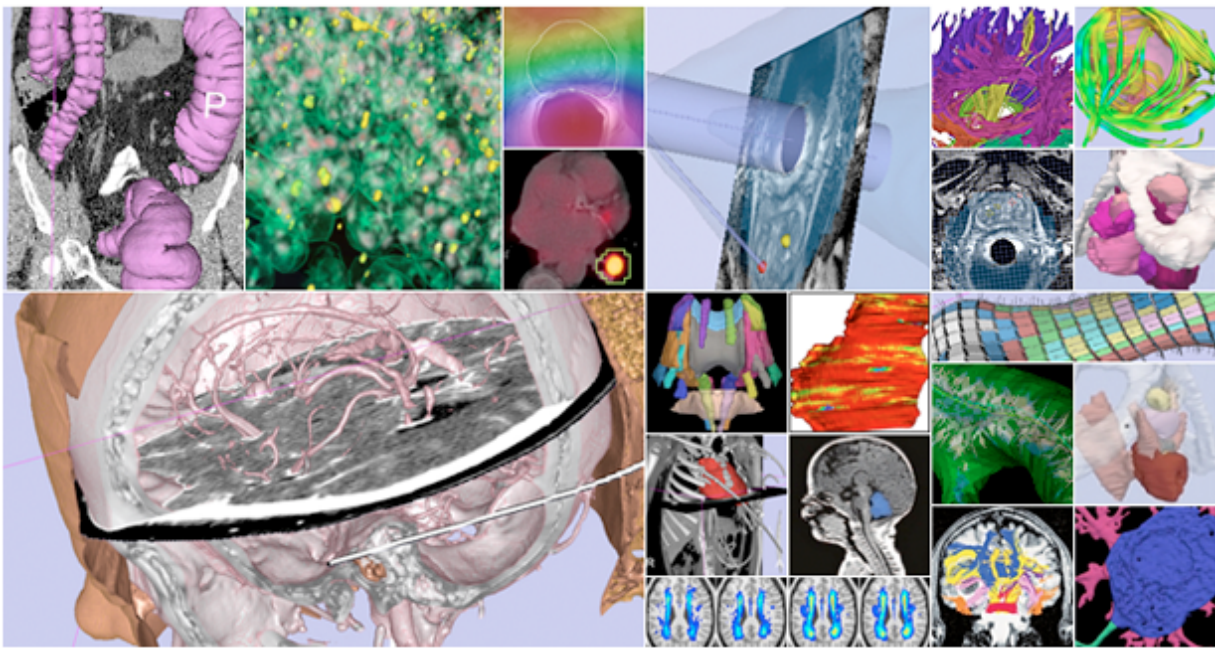
3DSlicer

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
Tutorial Data:	http://www.slicer.org/slicerWiki/index.php/Slicer_3.6:Training
Other RSNA courses using 3D Slicer:	*3D Interactive Visualization of DICOM Images for Radiology Applications* **Monday November 29, 2010 02:30 PM - 4:00 PM**

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