

Slicer4 Minute

Sonia Pujol, Ph.D.

Professeure adjointe de radiologie Brigham and
Women's Hospital Harvard Medical School

Assistant Professor of Radiology Brigham and
Women's Hospital Harvard Medical School

Slicer4 minute tutorial

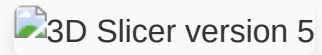
This tutorial is a 4-minute introduction to the 3D visualization capabilities of the Slicer5 software for medical image analysis.

Slicer5 software & dataset

*Download the Slicer5 software available at <http://download.slicer.org>

*Download the Slicer4minute dataset available at
<https://www.slicer.org/wiki/Documentation/4.10/Training>

3D Slicer version 5



Slicer affiche les éléments de la scène slicer4minute. La scène contient une IRM ainsi que des modèles de surface 3D du cerveau.

*A Slicer scene is a MRML (Medical Reality Modeling Language) file that contains a list of elements loaded into Slicer (volumes, models, fiducials, transforms, etc.)

*In the following example, we use a scene 'Slicer4minute.mrml' composed of an MRI scan and 3D models of the head.

*The scene file and datasets have been saved as a MRB (Medical Reality Bundle) file.

*The MRB file format is Slicer's archive file format.

Loading the Slicer4minute dataset

 Loading the Slicer4minute dataset

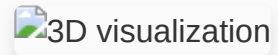
Scène Slicer4minute



Visualisation 3D



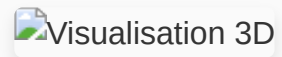
3D visualization



Visualisation 3D



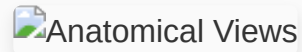
Visualisation 3D



Visualisation 3D



Anatomical Views



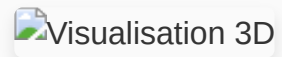
Visualisation 3D



Visualisation 3D



Visualisation 3D



Slicer4 minute tutorial

*This tutorial was a short introduction on interactive 3D visualization of MRI data and 3D models in Slicer.

*The Slicer5 training compendium contains a series of tutorials and pre-computed datasets to learn how to use the software.

Remerciements

National Alliance for Medical Image
Computing

NIH U54EB005149

Neuroimage Analysis Center

NIH P41EB015902