

Slicer4 Minute

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Slicer4 minute tutorial

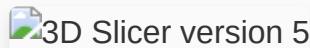
This tutorial is a 4-minute introduction to the 3D visualization capabilities of the Slicer5 software for medical image analysis.

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



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3D Slicer Scene

*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.

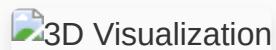
Loading the Slicer4minute dataset

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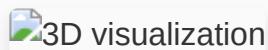
Slicer4minute Scene



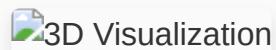
3D Visualization



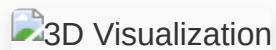
3D visualization



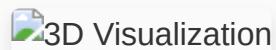
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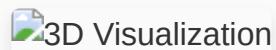
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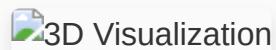
Anatomical Views



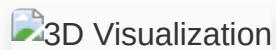
3D Visualization



3D Visualization



3D Visualization



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.

Acknowledgements

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