

# Slicer4 Minute

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# Slicer4 minute tutorial

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

# Slicer5 software & dataset

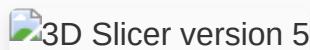
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\*Download the Slicer5 software available at <http://download.slicer.org>

\*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 version 5

# 3D Slicer Scene

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\*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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 Loading the Slicer4minute dataset

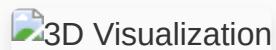
# Slicer4minute Scene

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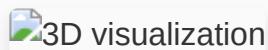
# 3D Visualization

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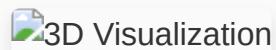
# 3D visualization

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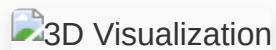
# 3D Visualization

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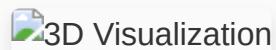
# 3D Visualization

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# 3D Visualization

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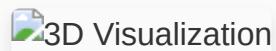
# Anatomical Views

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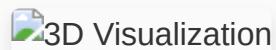
# 3D Visualization

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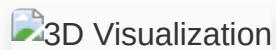
# 3D Visualization

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# 3D Visualization

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\*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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NIH P41EB015902