

Slicer4 Minute

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Slicer4 minute tutorial

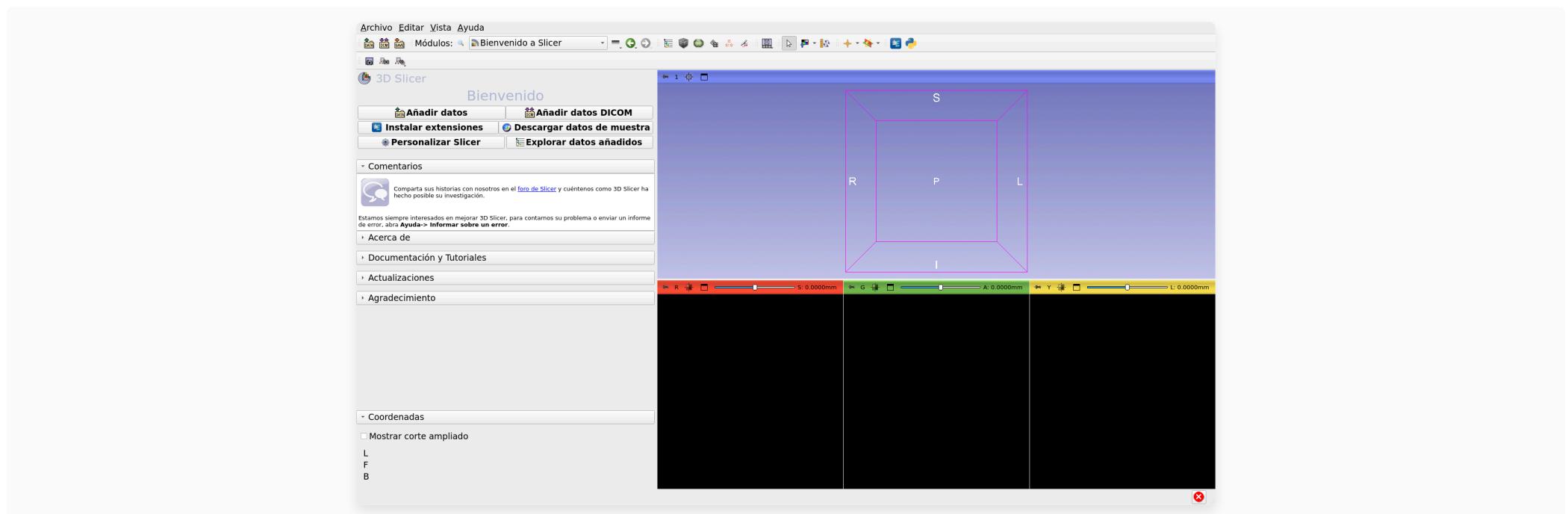
This tutorial is a 4-minute introduction to the 3D visualization capabilities of the Slicer5 software for medical image analysis.

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



3D Slicer Scene

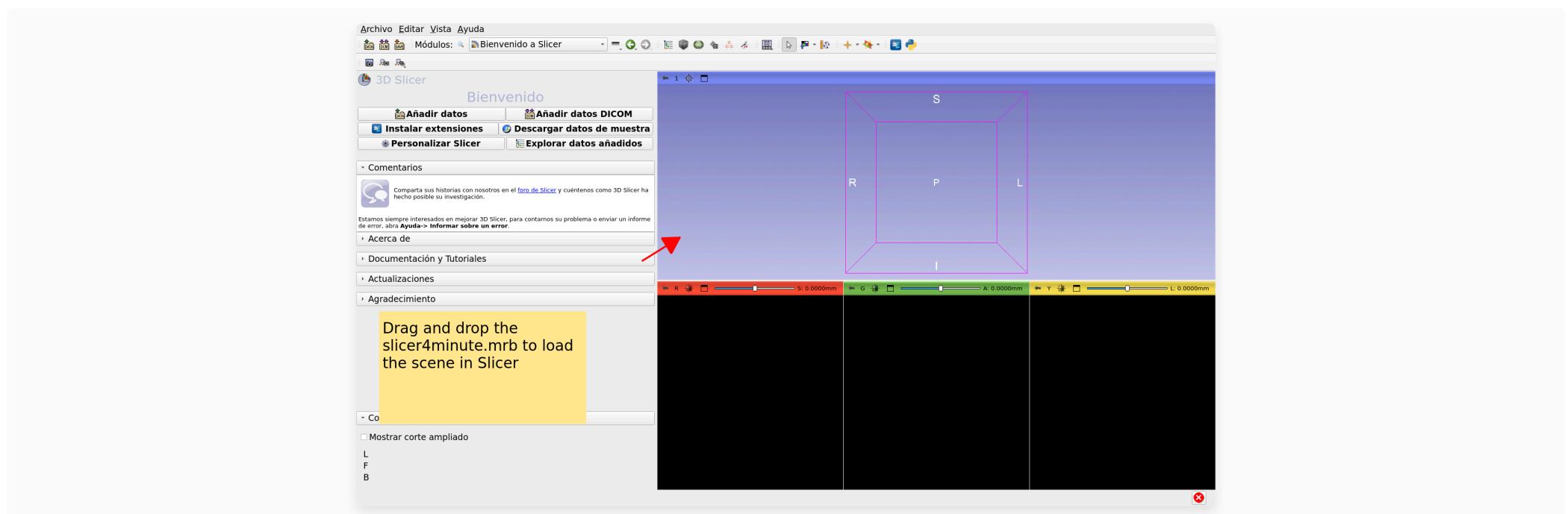
*A Slicer scene is a MRML (Medical Reality Modeling Language) file that contains a list of elements loaded into Slicer (volumes, models, fiducials, transforms, etc.)

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

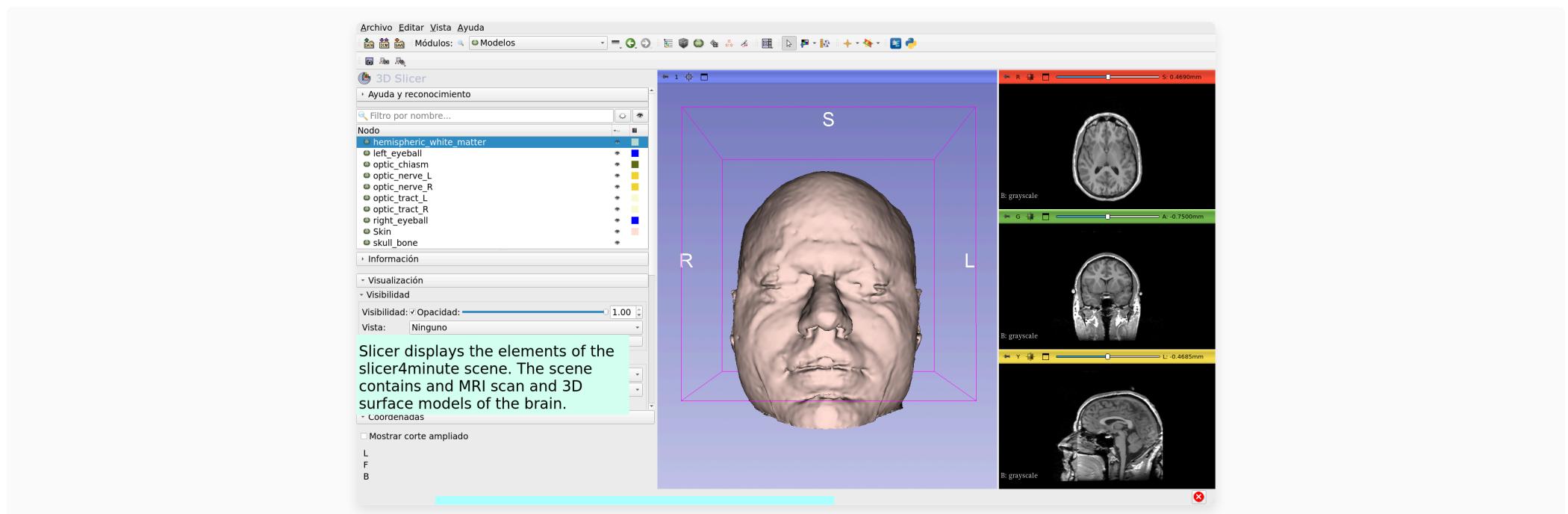
*The scene file and datasets have been saved as a MRB (Medical Reality Bundle) file.

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

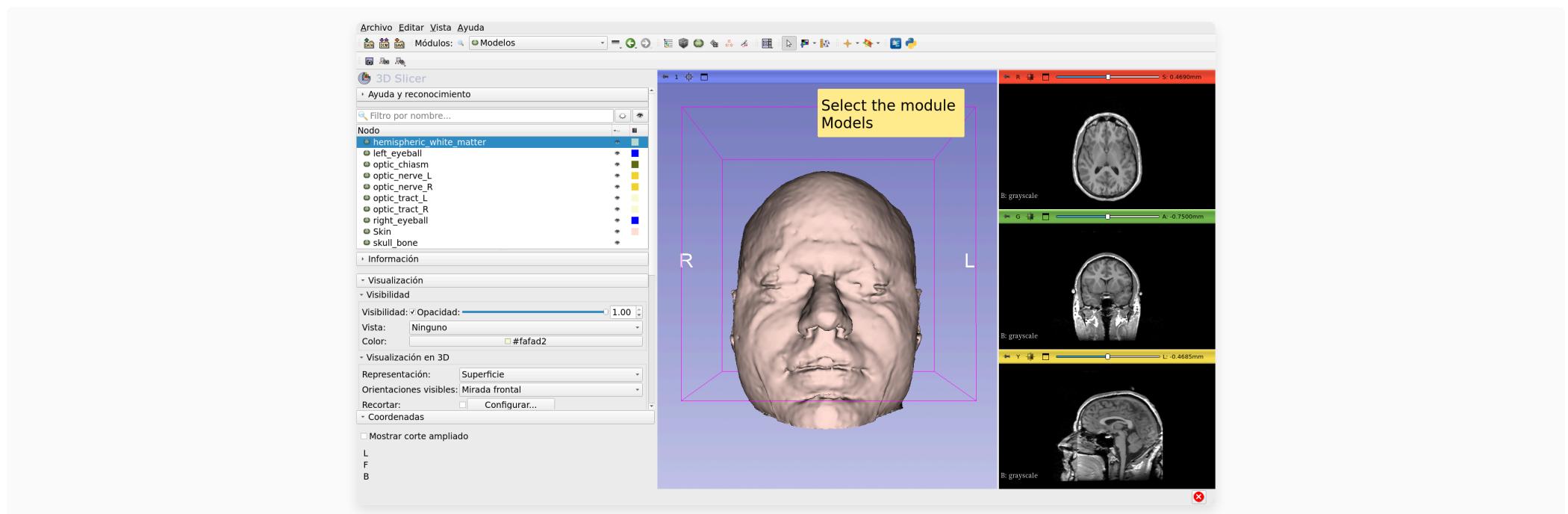
Loading the Slicer4minute dataset



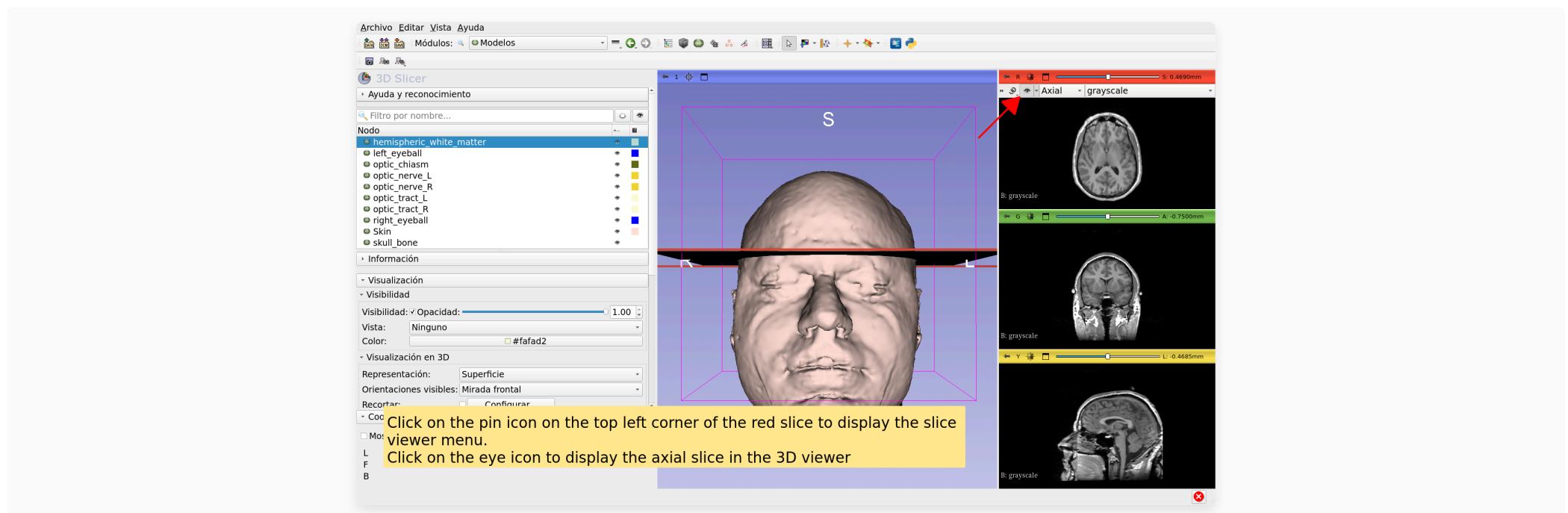
Slicer4minute Scene



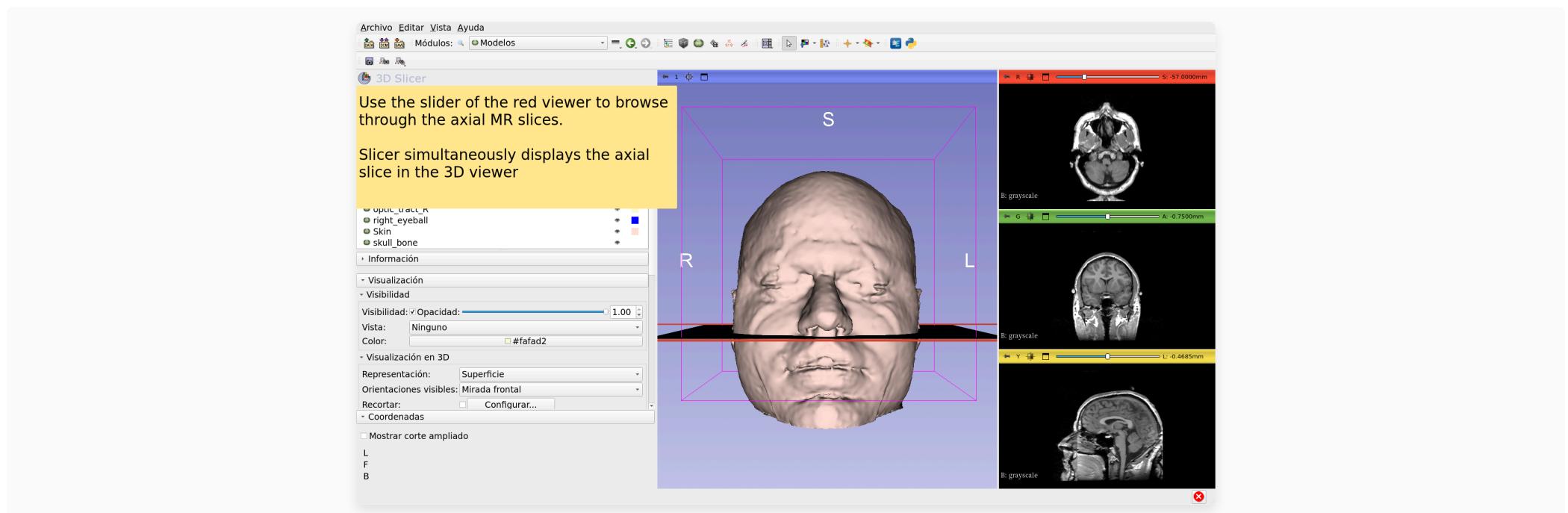
3D Visualization



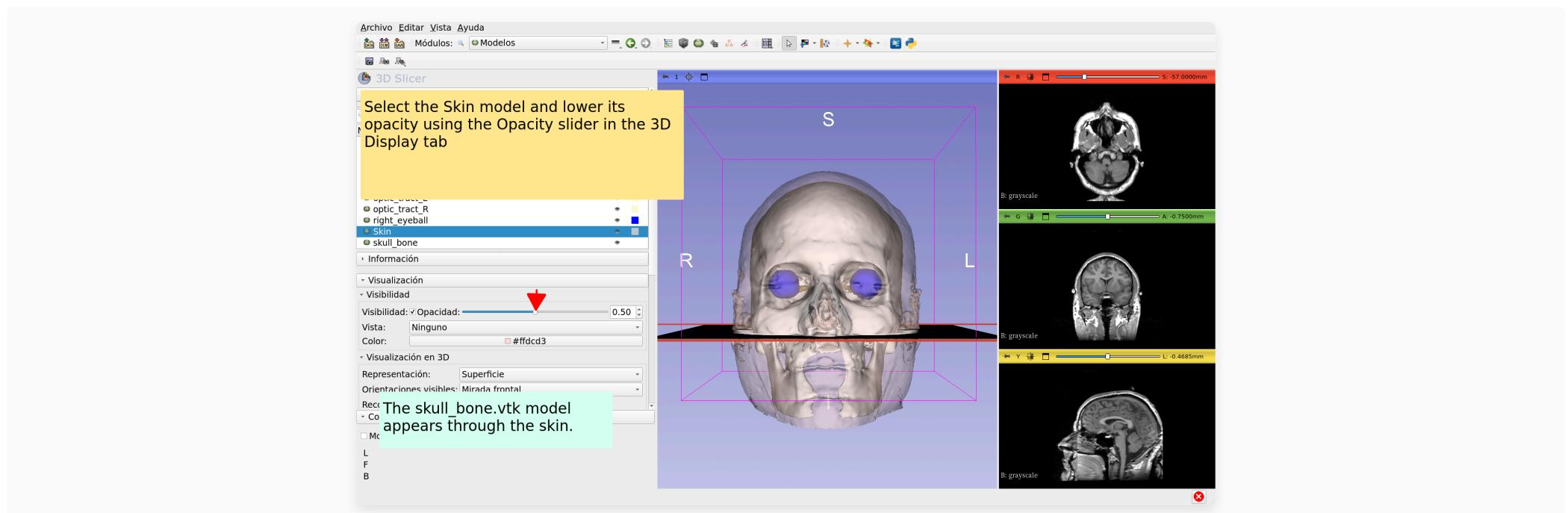
3D visualization



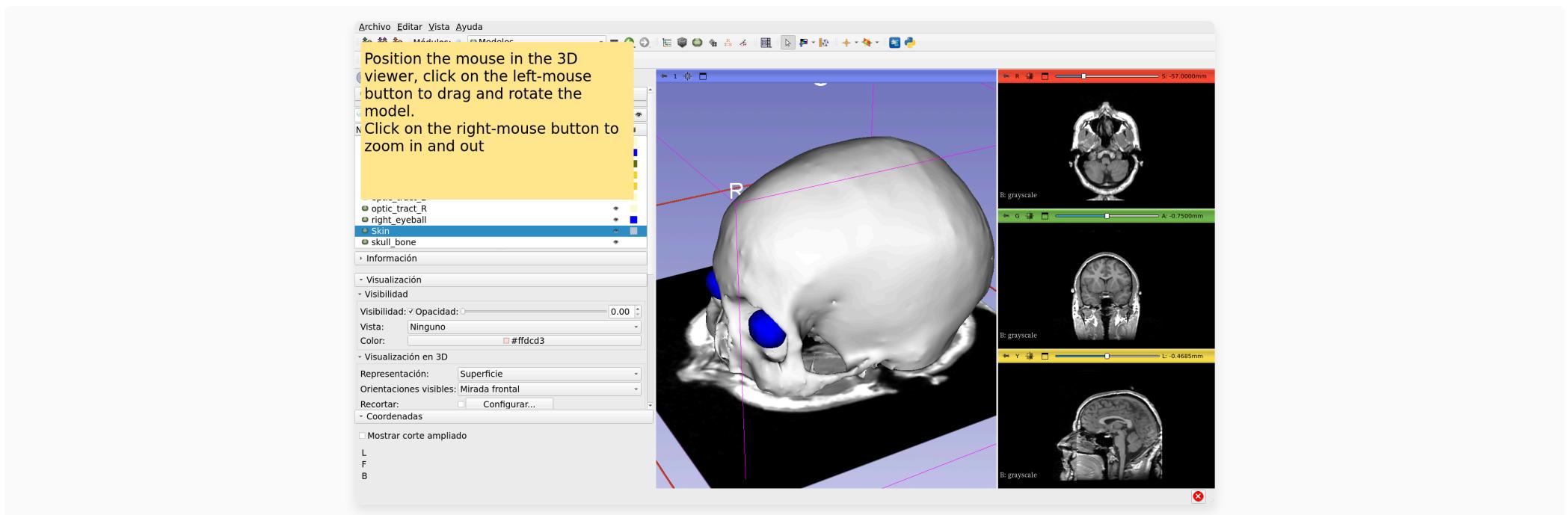
3D Visualization



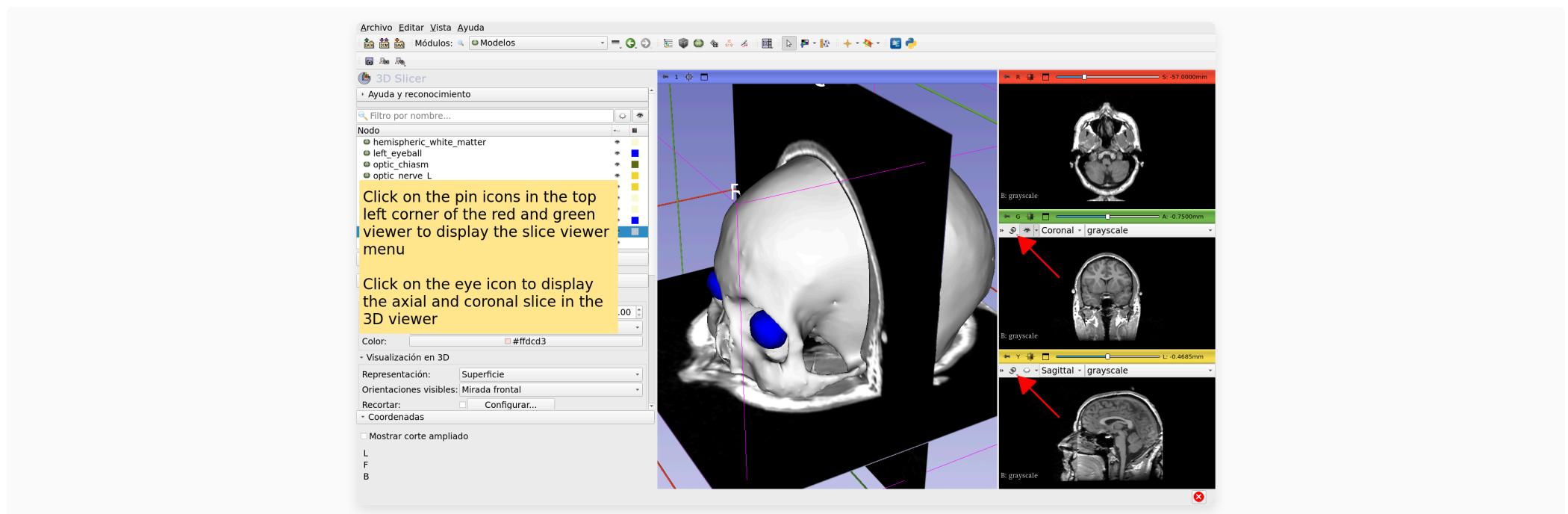
3D Visualization



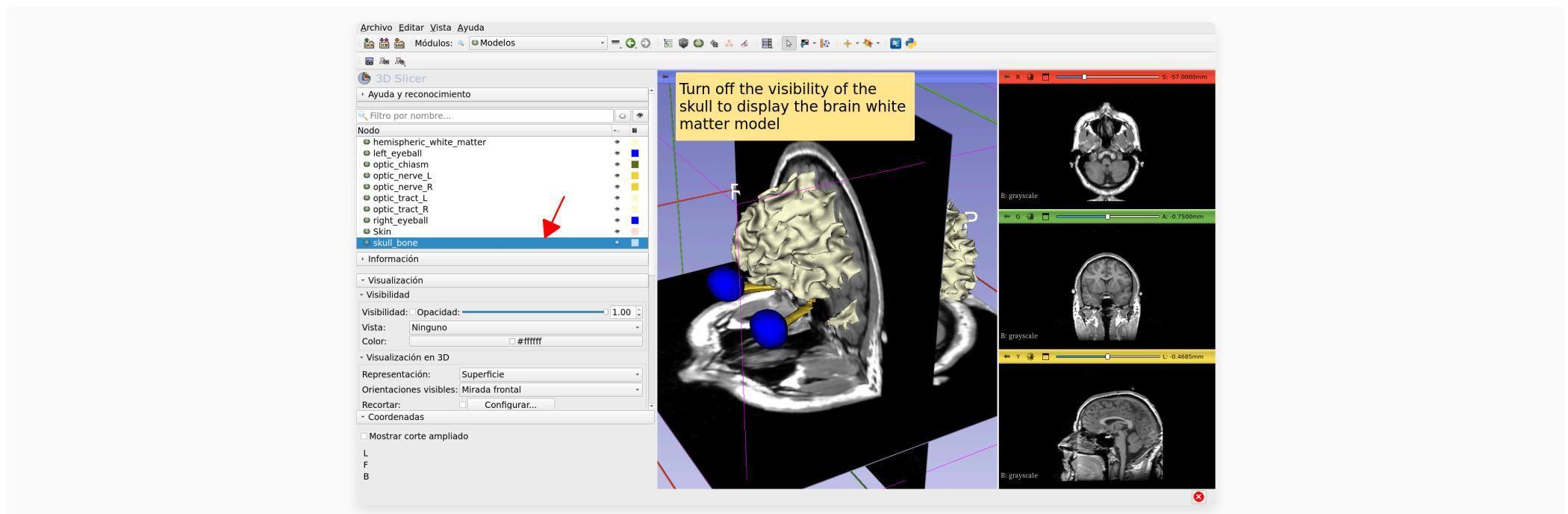
3D Visualization



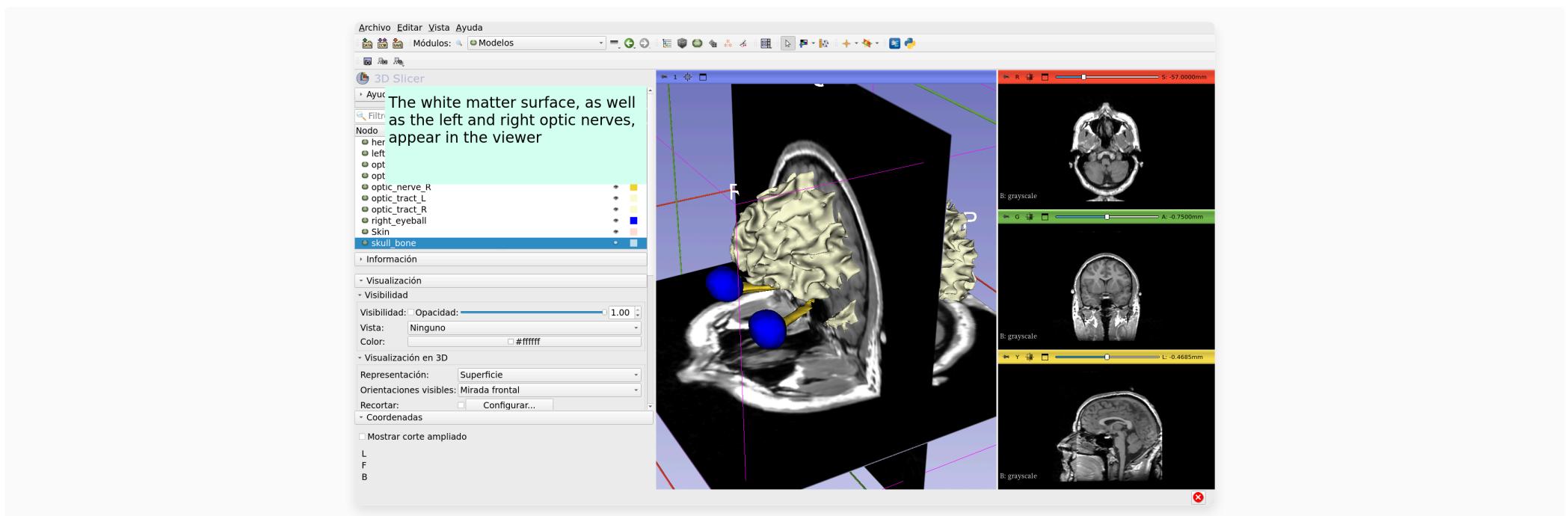
Anatomical Views



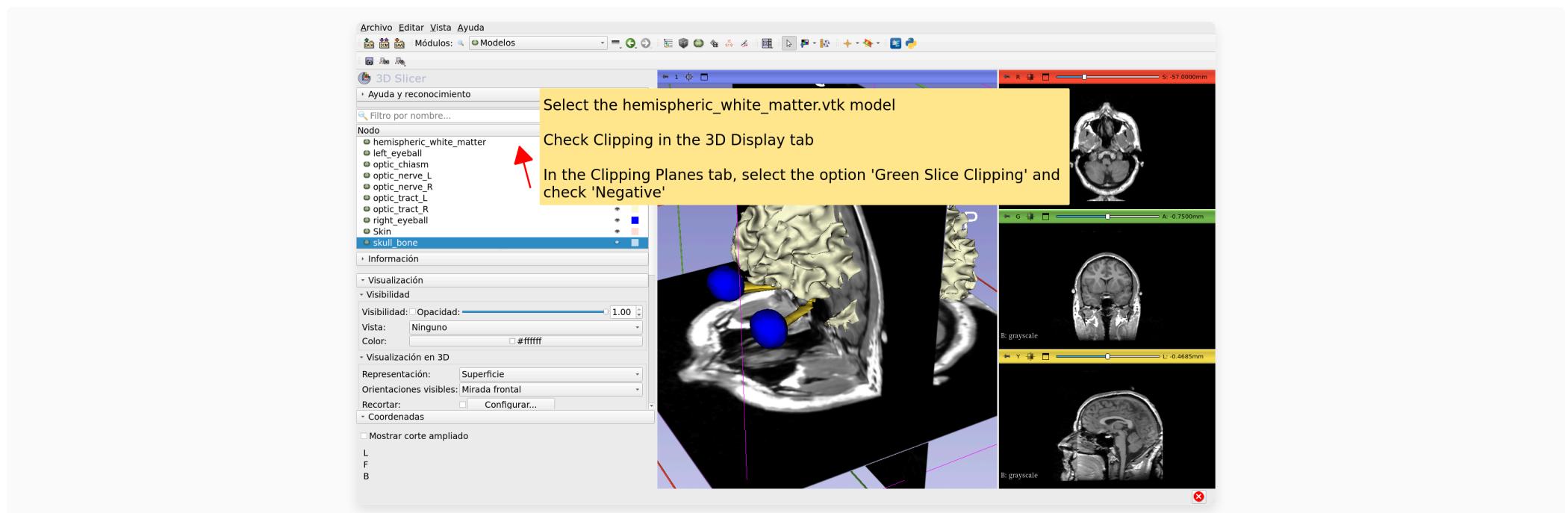
3D Visualization



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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