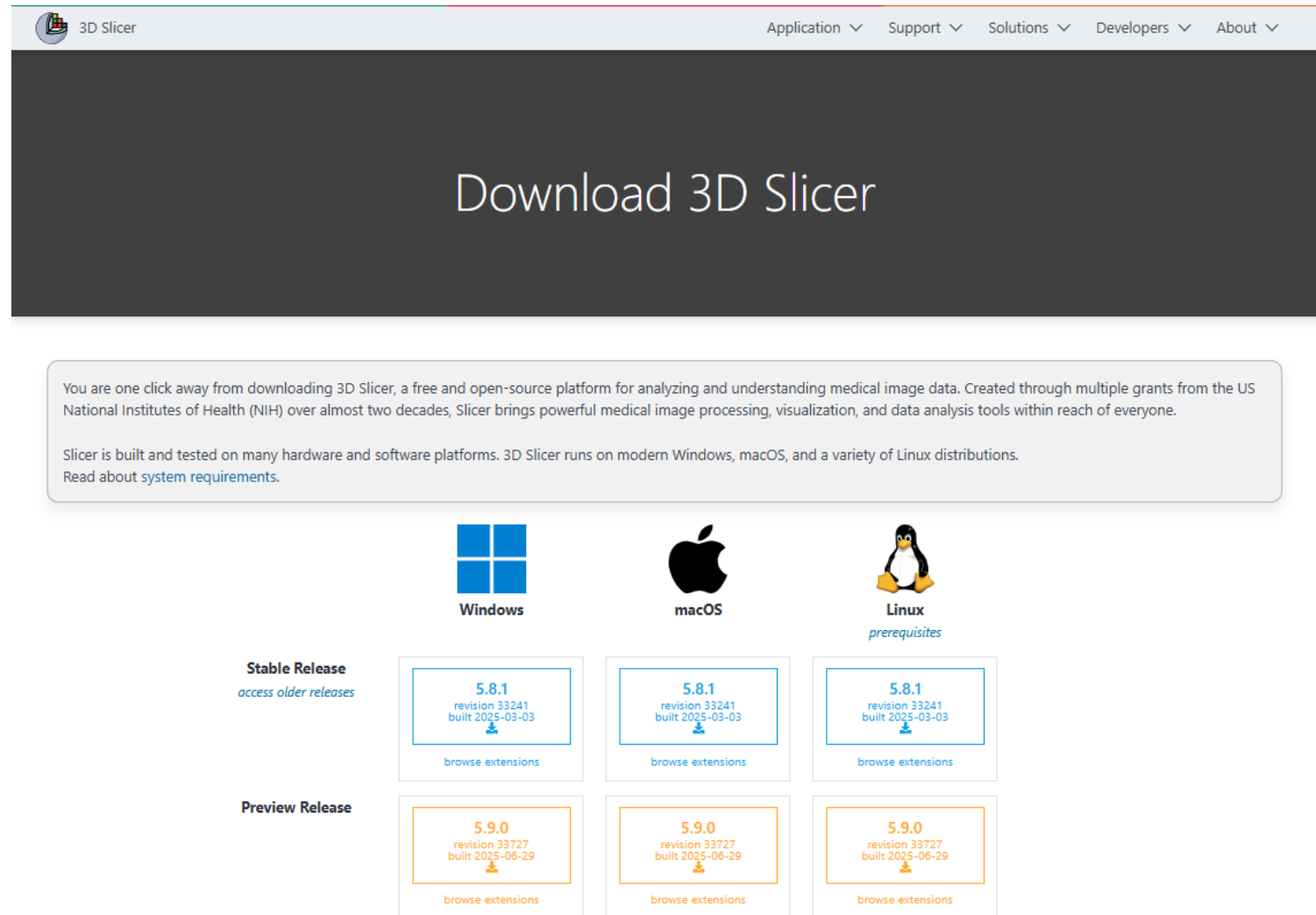


How to Open 3D Data 3D Slicer

Created by: Satoru Muro

Please download the free software "3D Slicer" (FREE).

<https://download.slicer.org/>



The screenshot shows the 3D Slicer website's download page. At the top, there's a navigation bar with the 3D Slicer logo and links for Application, Support, Solutions, Developers, and About. The main heading is "Download 3D Slicer". Below this, a text box explains that 3D Slicer is a free, open-source platform for medical image data analysis, created through grants from the US National Institutes of Health (NIH). It mentions that Slicer is built and tested on many hardware and software platforms, including modern Windows, macOS, and various Linux distributions. A link to "Read about system requirements" is provided. The page then displays three columns for different operating systems: Windows, macOS, and Linux. Each column has two rows of download options: "Stable Release" and "Preview Release". The "Stable Release" row shows version 5.8.1 (revision 33241, built 2025-03-03) for all three OSes. The "Preview Release" row shows version 5.9.0 (revision 33727, built 2025-06-29) for all three OSes. Each version box includes a download icon and a link to "browse extensions".


3D Slicer

Application ▾ Support ▾ Solutions ▾ Developers ▾ About ▾


Download 3D Slicer

You are one click away from downloading 3D Slicer, a free and open-source platform for analyzing and understanding medical image data. Created through multiple grants from the US National Institutes of Health (NIH) over almost two decades, Slicer brings powerful medical image processing, visualization, and data analysis tools within reach of everyone.


Slicer is built and tested on many hardware and software platforms. 3D Slicer runs on modern Windows, macOS, and a variety of Linux distributions.
[Read about system requirements.](#)









Windows



macOS

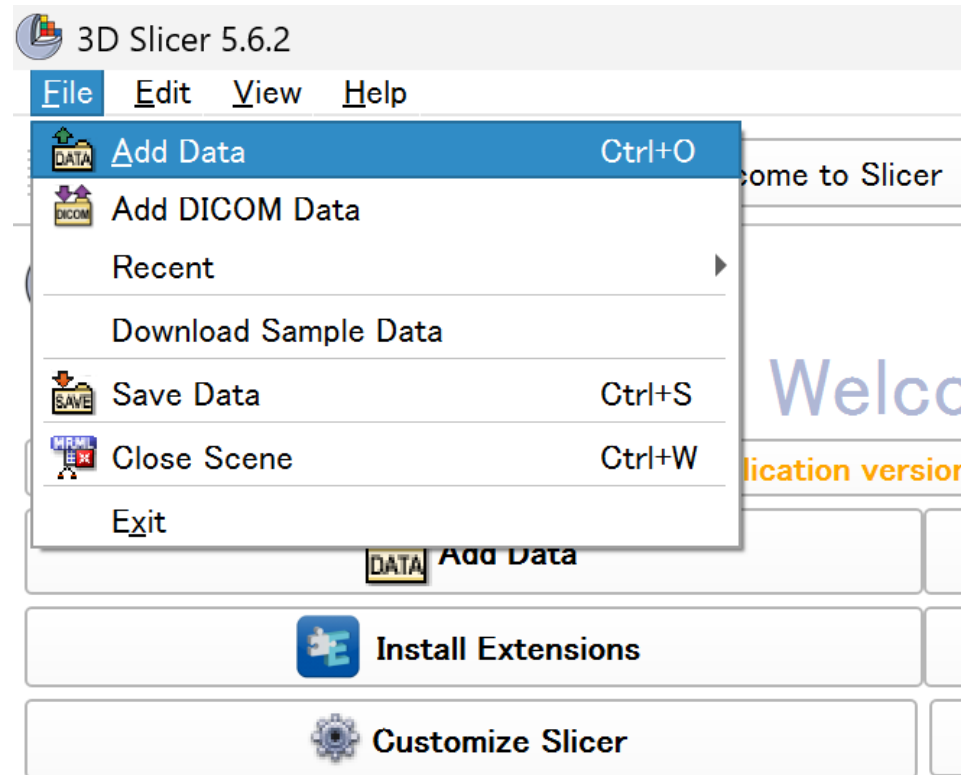


Linux
prerequisites

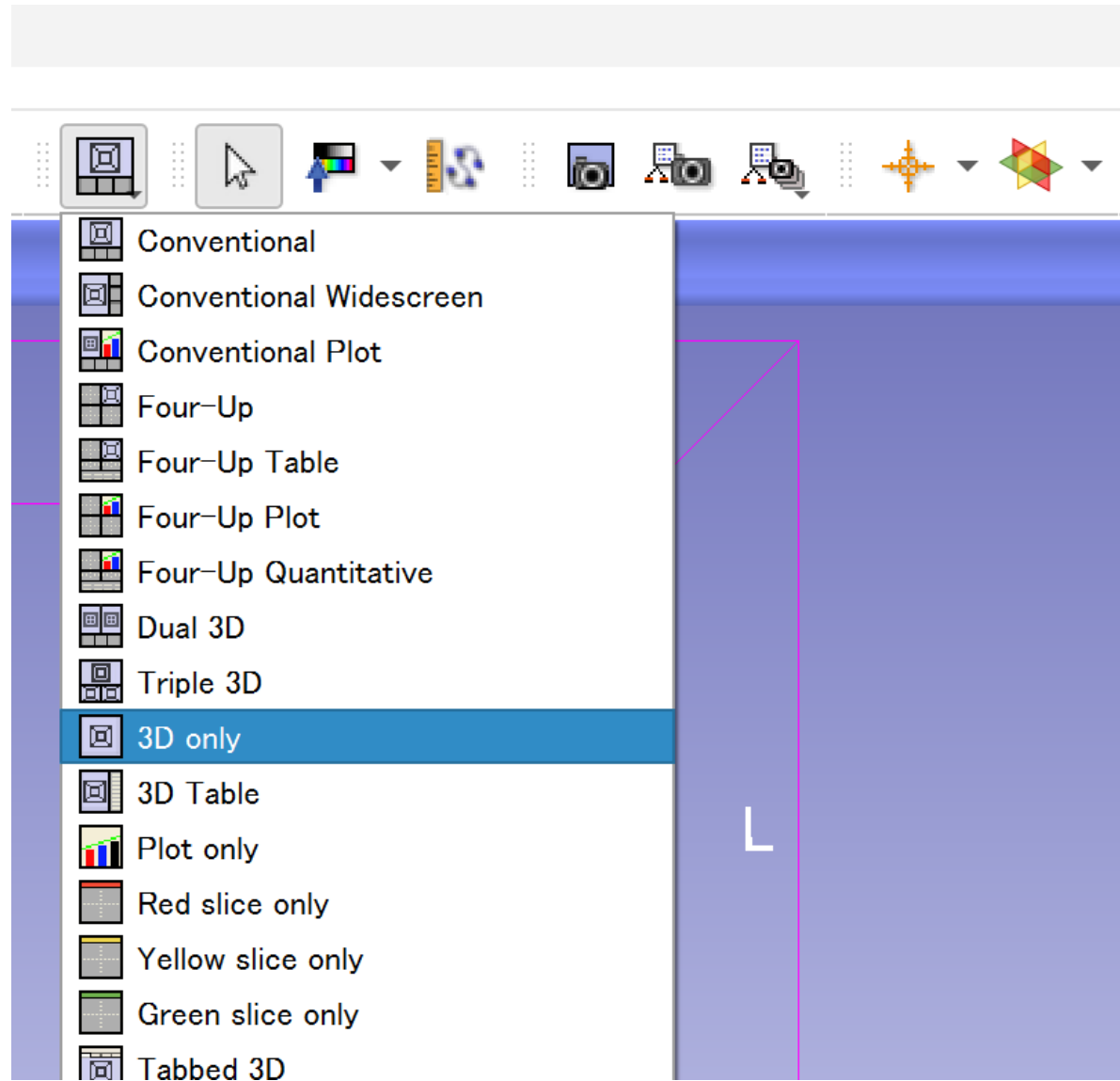
Stable Release <i>access older releases</i>	<div>5.8.1 revision 33241 built 2025-03-03 </div> browse extensions	<div>5.8.1 revision 33241 built 2025-03-03 </div> browse extensions	<div>5.8.1 revision 33241 built 2025-03-03 </div> browse extensions
Preview Release	<div>5.9.0 revision 33727 built 2025-06-29 </div> browse extensions	<div>5.9.0 revision 33727 built 2025-06-29 </div> browse extensions	<div>5.9.0 revision 33727 built 2025-06-29 </div> browse extensions

From the top left menu, go to File > Add Data to import the STL file.

(You can import multiple files, and drag & drop is also supported.)



Set the view to "3D only".

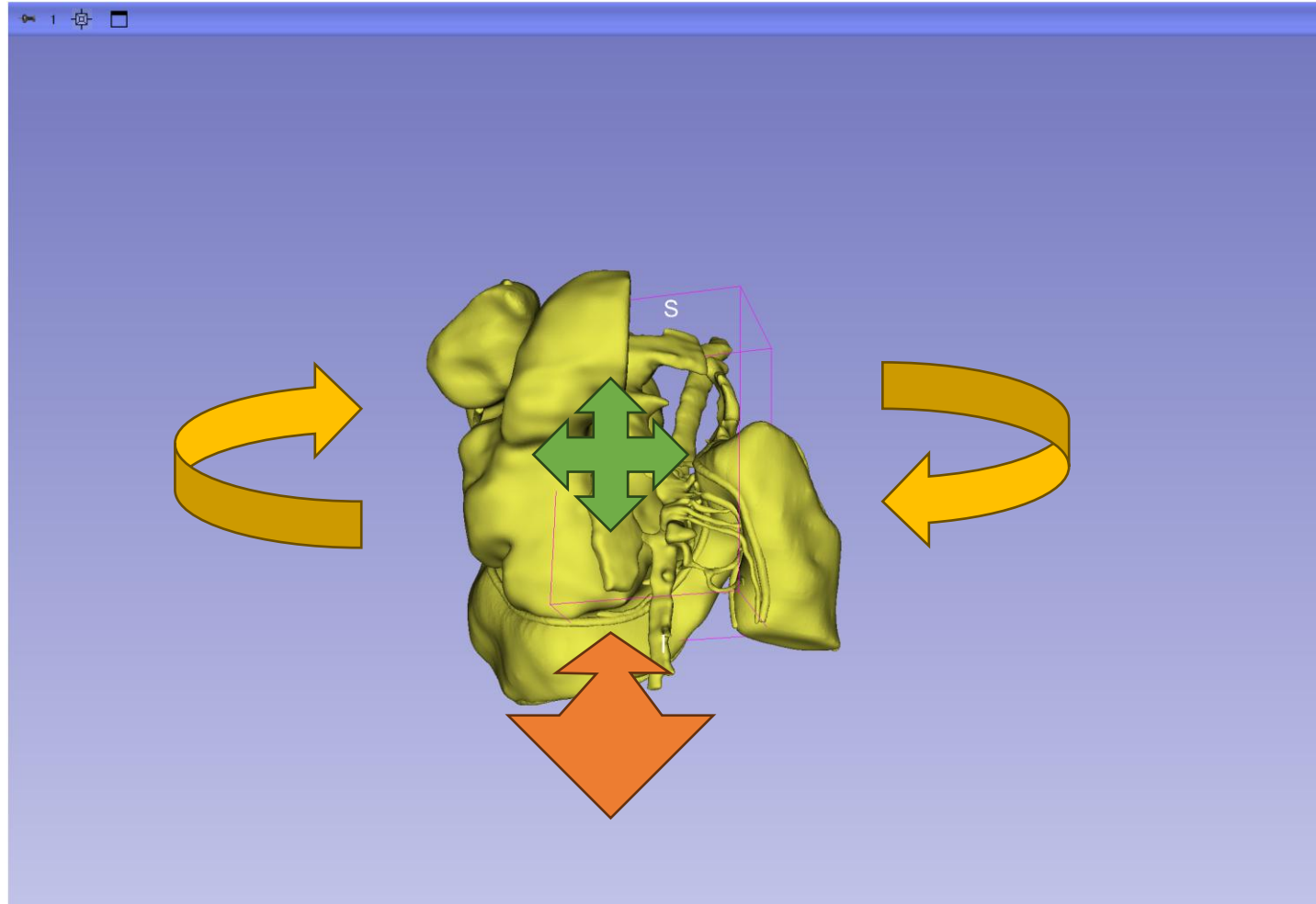


Basic operations for 3D viewing

Rotate the structure
Move the mouse while holding the left click.

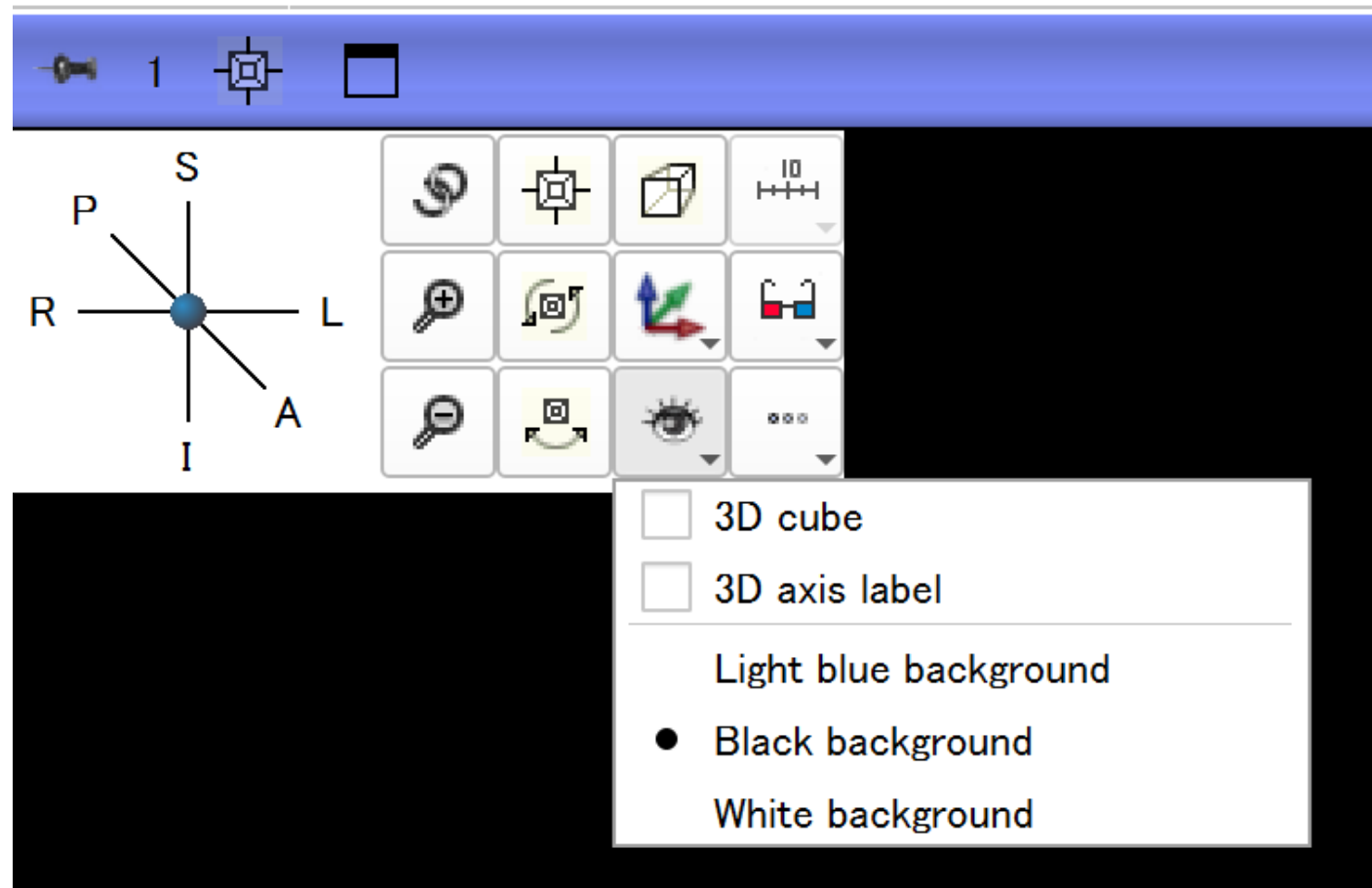
Zoom in / Zoom out
Use the mouse scroll wheel.

Pan (Move the view)
Hold down the mouse scroll wheel and move the mouse.



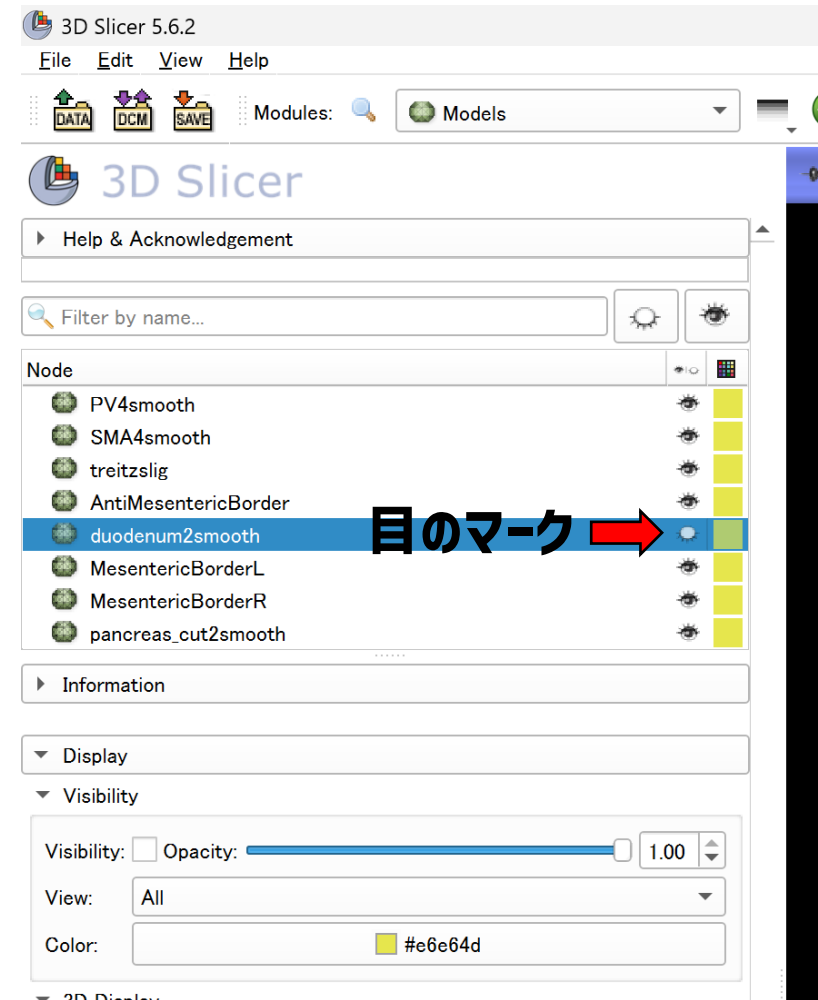
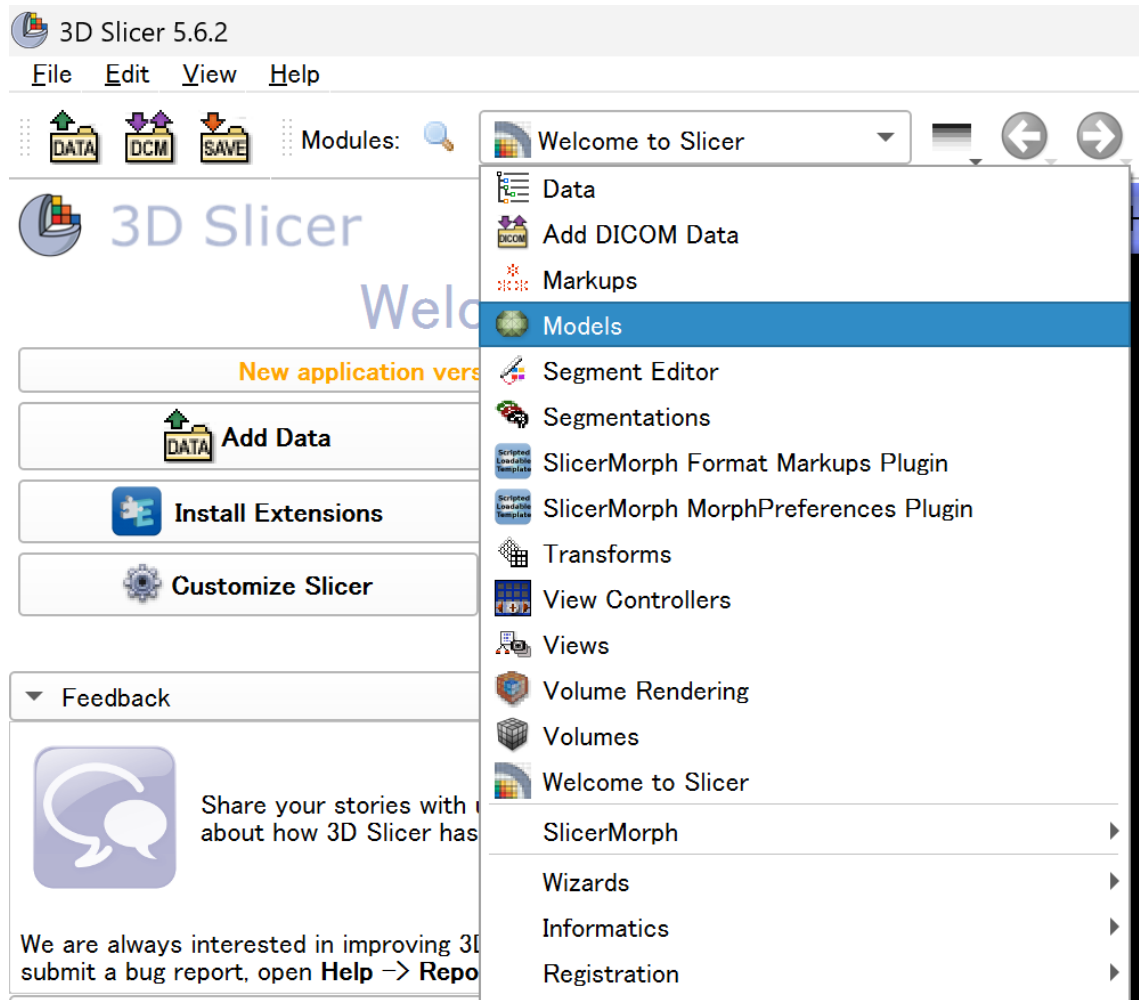
Hide the Cube or labels

From the pin icon at the top left, open the eye icon menu and uncheck "3D Cube" and "3D Axis Label". You can also set the background to black.



Toggle the visibility of structures

At the top of the screen, switch from "Welcome to Slicer" to the "Models" module. Click the eye icon to the right of each file name to toggle its visibility on or off.

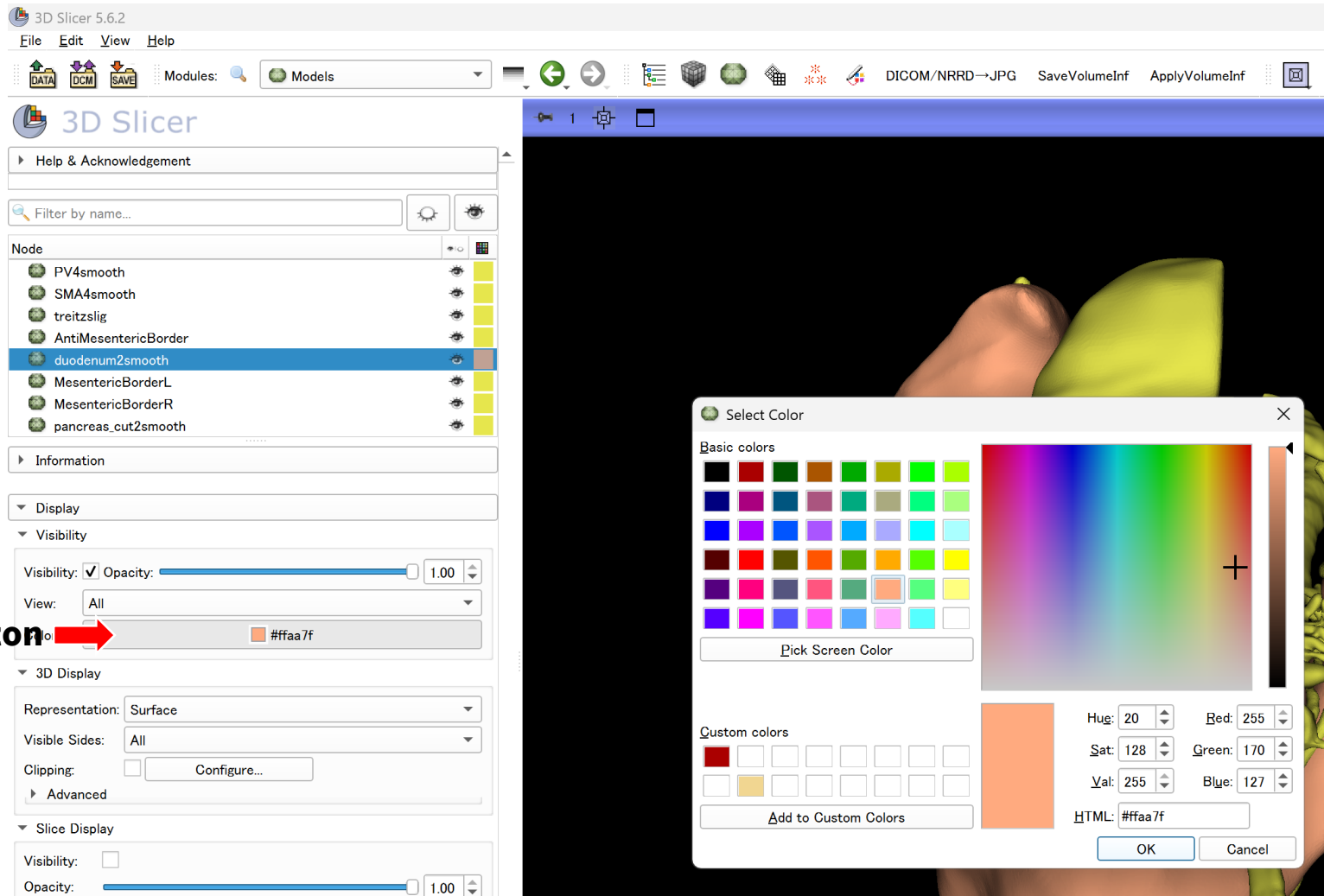


Assign colors to each structure

Select a structure in the box on the left, then click the color button below to choose a color.

Select a structure →

Color button →

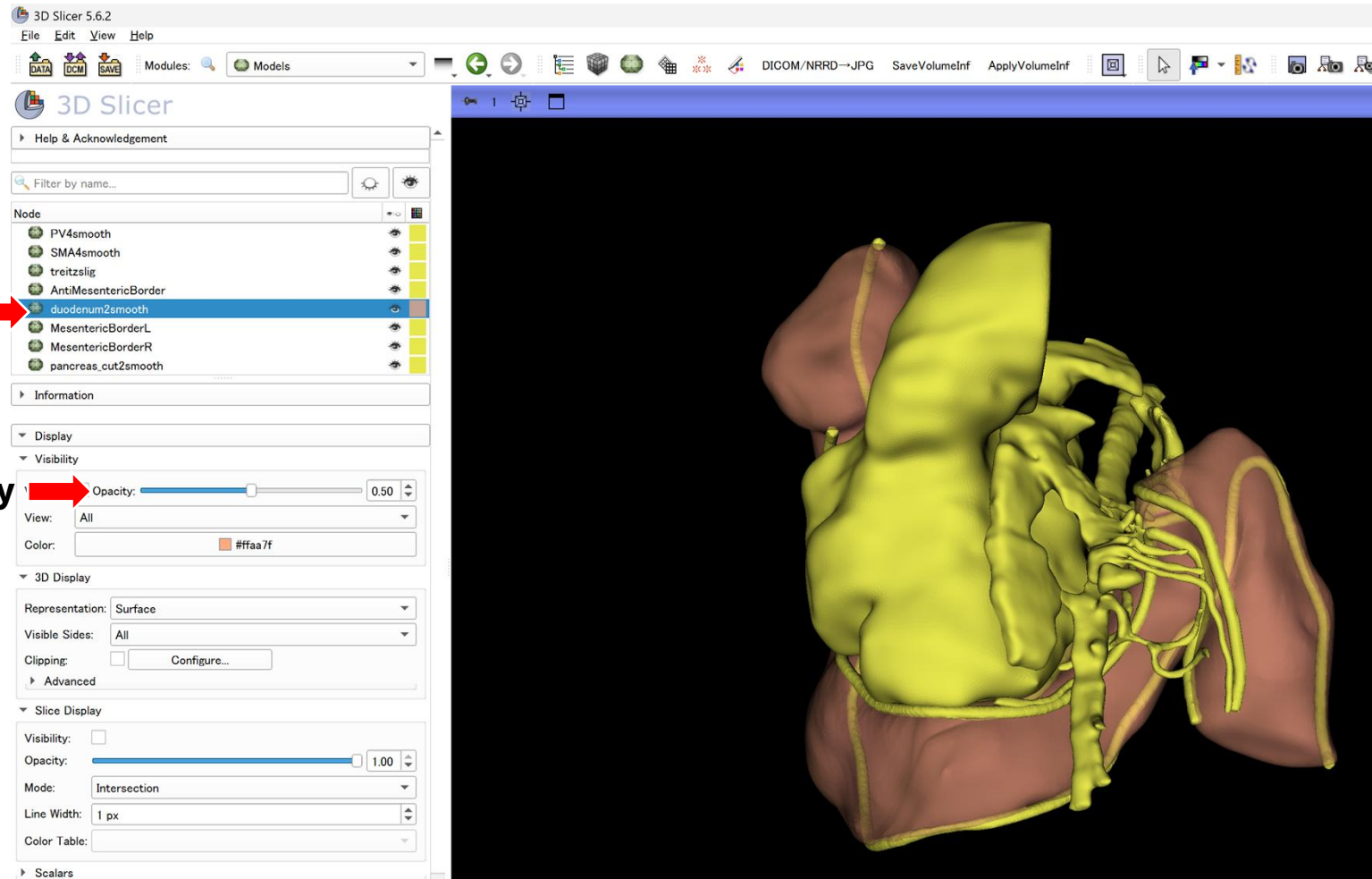


Adjust the transparency for each structure

Select a structure in the box on the left, and adjust the "Opacity" (transparency).

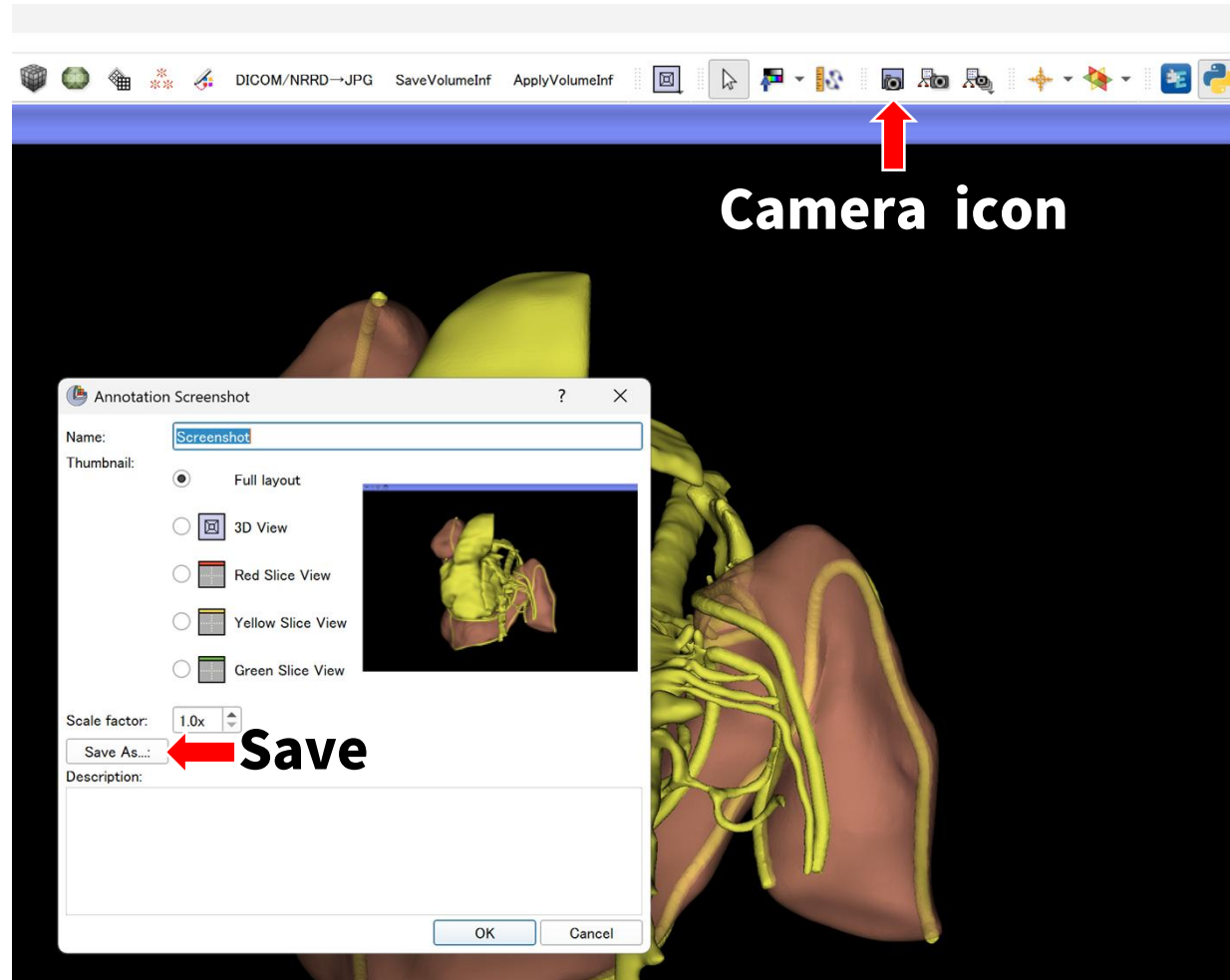
Select a structure →

transparency →



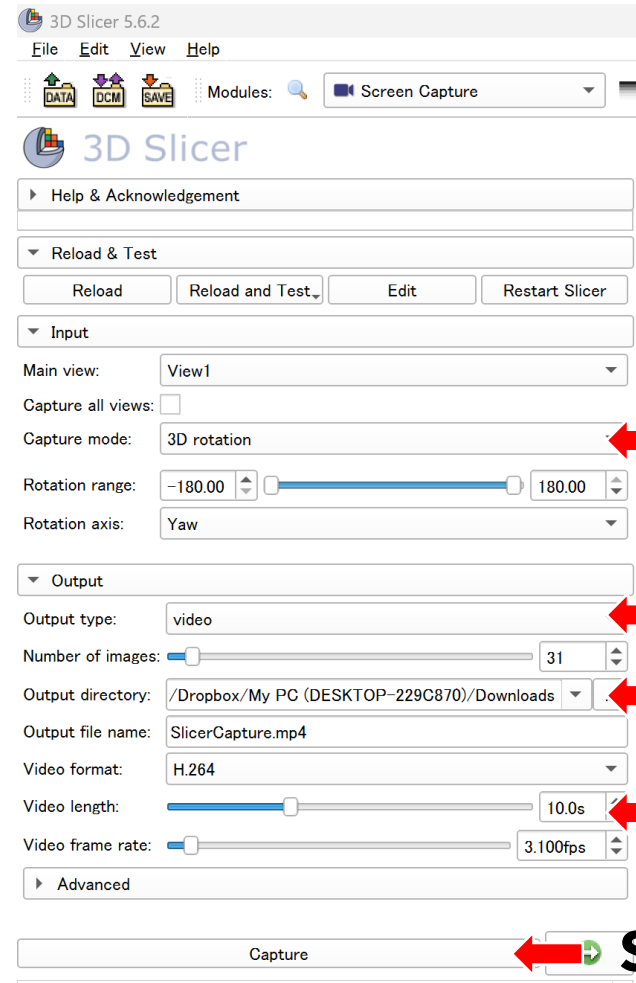
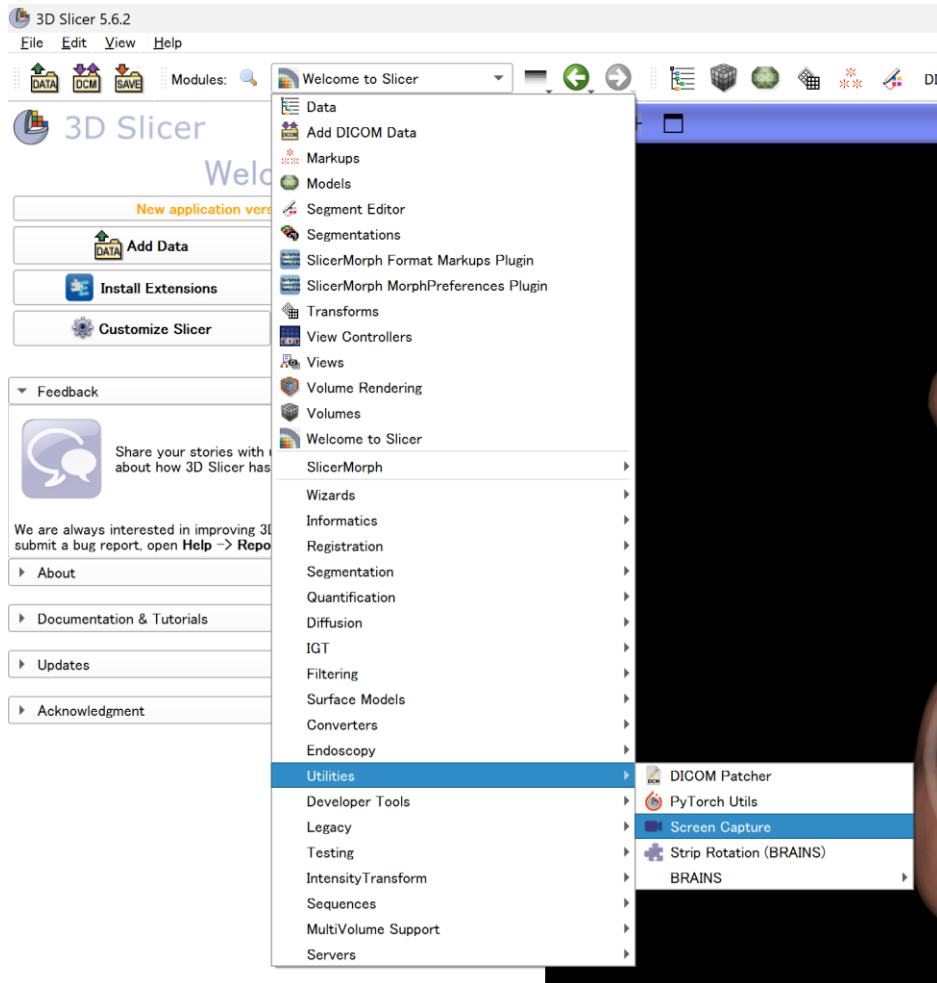
Save the screen as a still image (capture)

On the top toolbar, click the camera icon > Save As, then enter a name and save.



Save as a video (capture)

On the top toolbar, click the camera icon > Save As, then enter a name and save.



3D rotation

video

Save location

Video length

Start capture

Save the current display settings (such as colors)

At the top left, go to **Save > Change directory** to set the save location, then click **Save**.
Next time, simply open the .mrml file in 3D Slicer to restore your settings.

