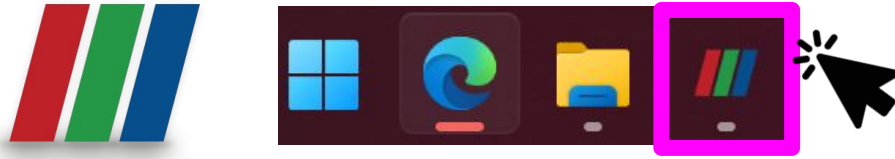
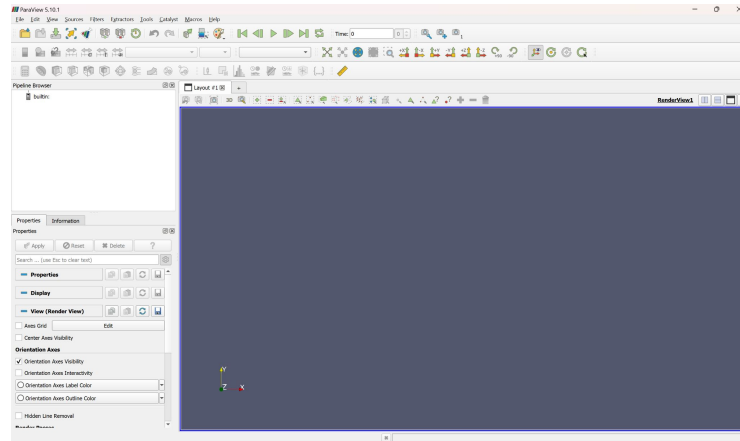


# Using paraview to look at CFD simulations!

1. Click the paraview symbol on your computer's task bar



2. You should see something that looks like this:

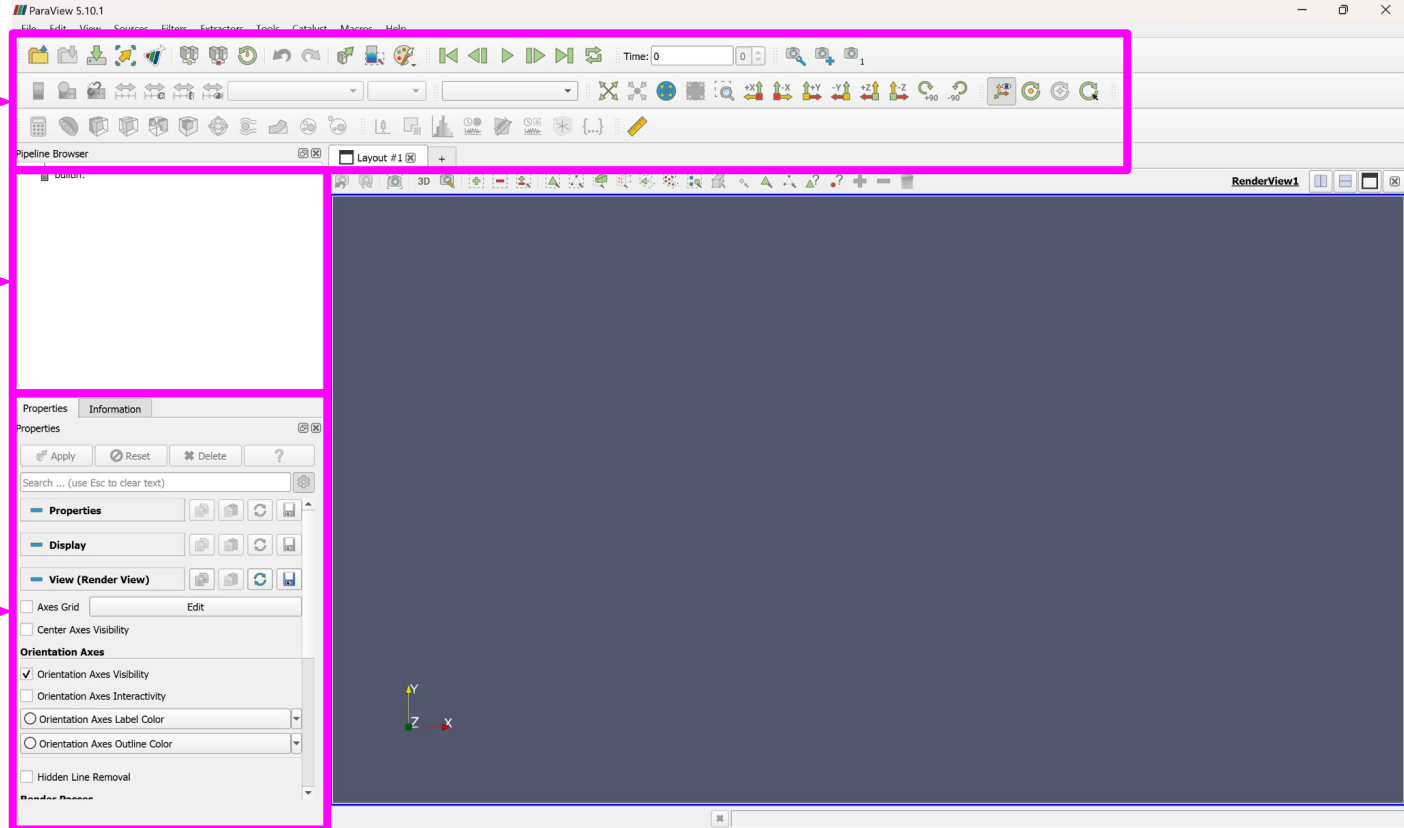


# Using paraview to look at CFD simulations!

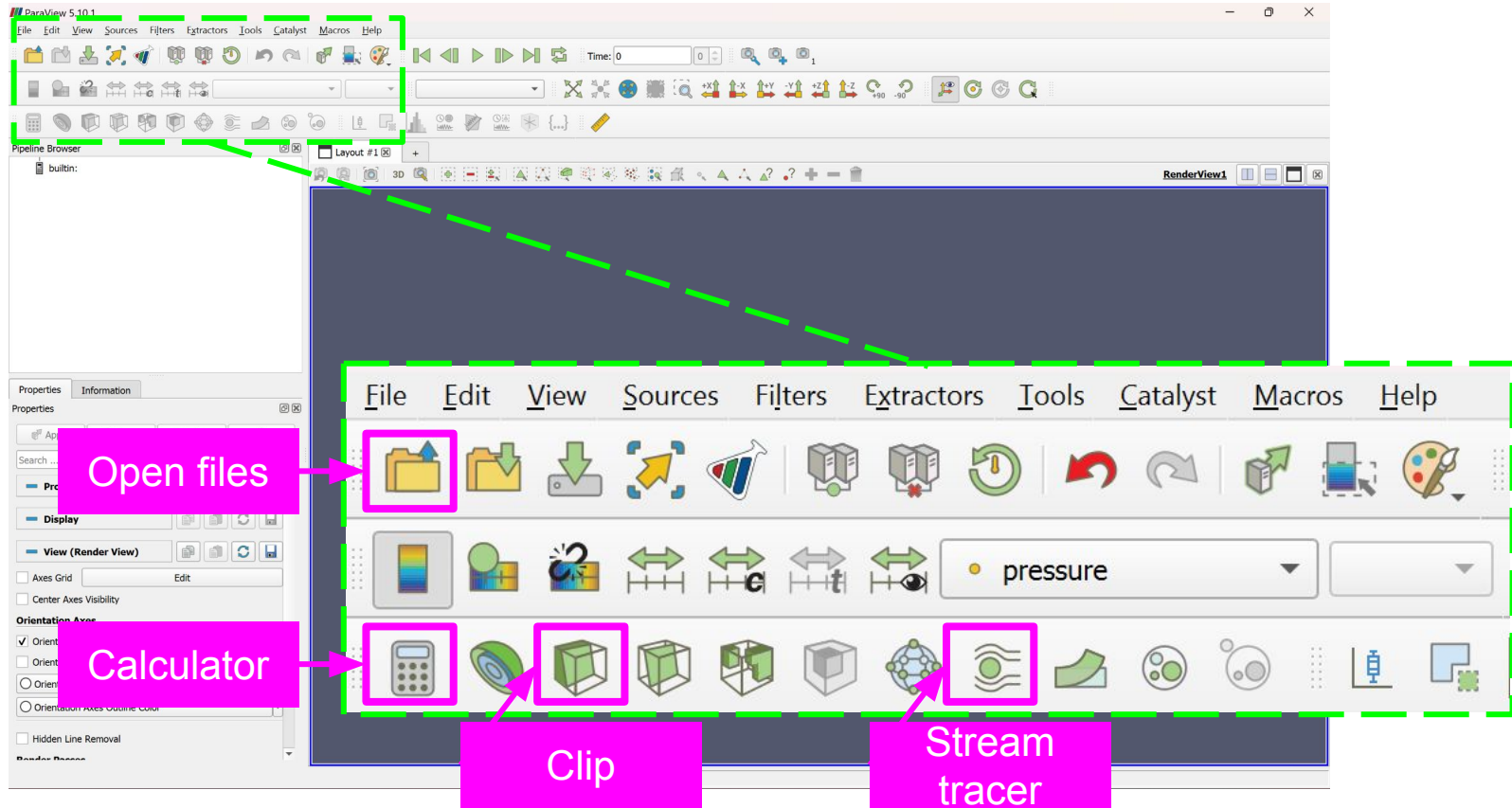
Buttons for common tools we will use

Pipeline browser: where our aorta models and modifications are

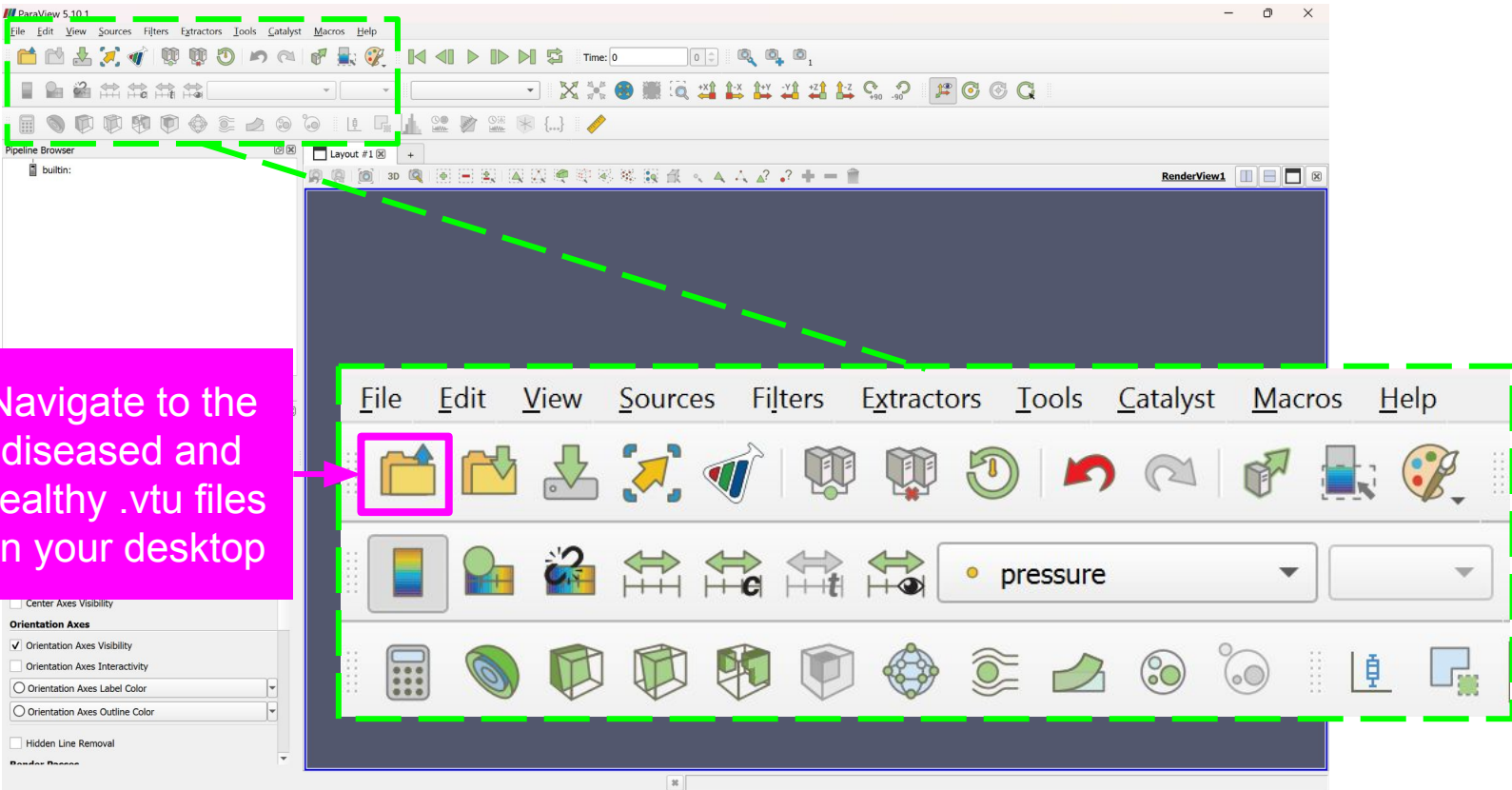
Properties: where we will control how we change our aorta model



# Important buttons in Paraview



# Loading data into Paraview



The image shows the Paraview 5.10.1 software interface. The top menu bar includes File, Edit, View, Sources, Filters, Extractors, Tools, Catalyst, Macros, and Help. Below the menu bar is a toolbar with various icons. A green dashed line highlights the 'File' menu and the 'Open' button (represented by a folder icon with an upward arrow) in the toolbar. A pink callout box with an arrow points to this 'Open' button, containing the text: 'Navigate to the diseased and healthy .vtu files on your desktop'. The main window area is currently empty, showing a dark blue background. The bottom left corner shows the 'Pipeline Browser' panel with a 'builtin:' entry. The bottom right corner shows the 'RenderView1' panel with a 'pressure' dropdown menu.

Paraview 5.10.1

File Edit View Sources Filters Extractors Tools Catalyst Macros Help

Time: 0

Pipeline Browser

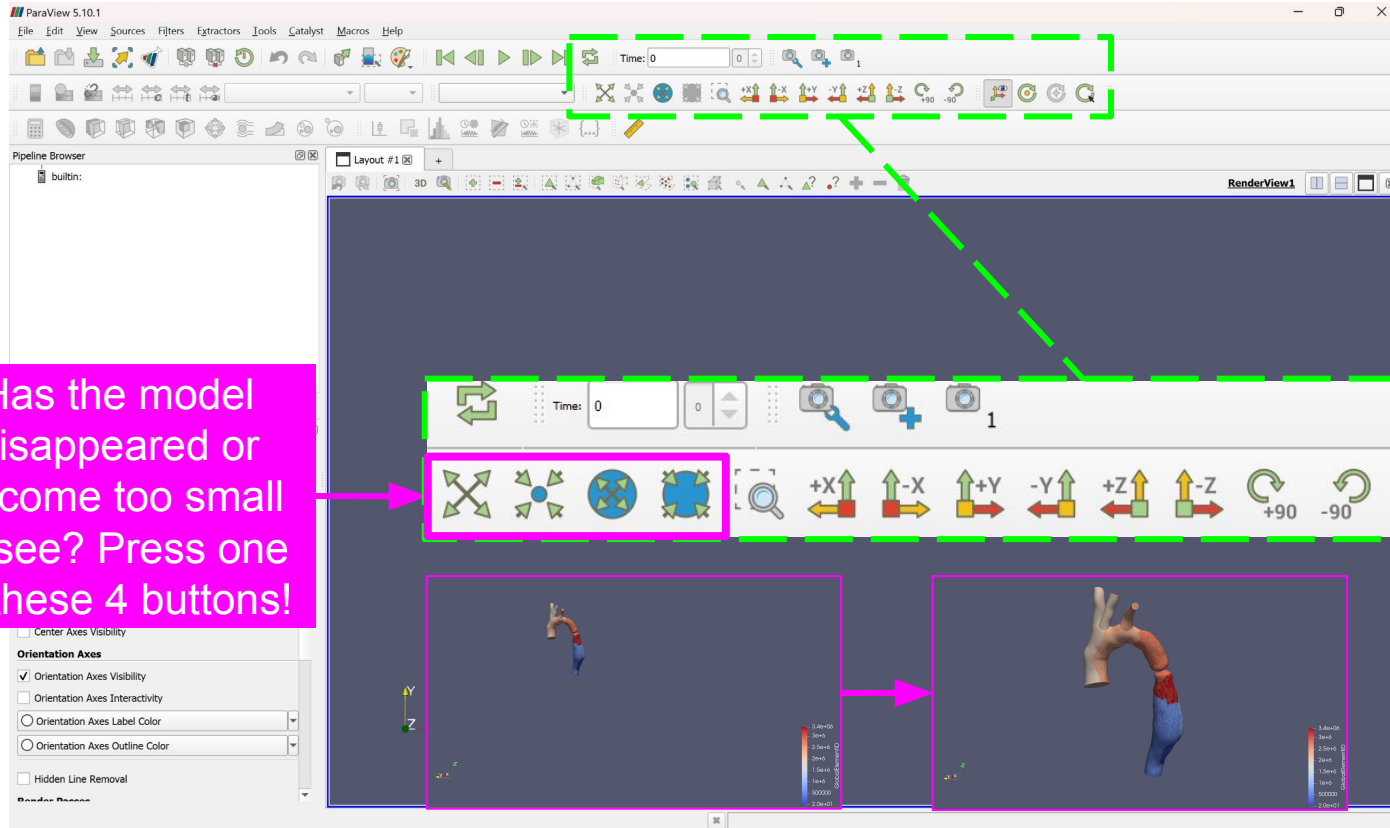
builtin:

RenderView1

pressure

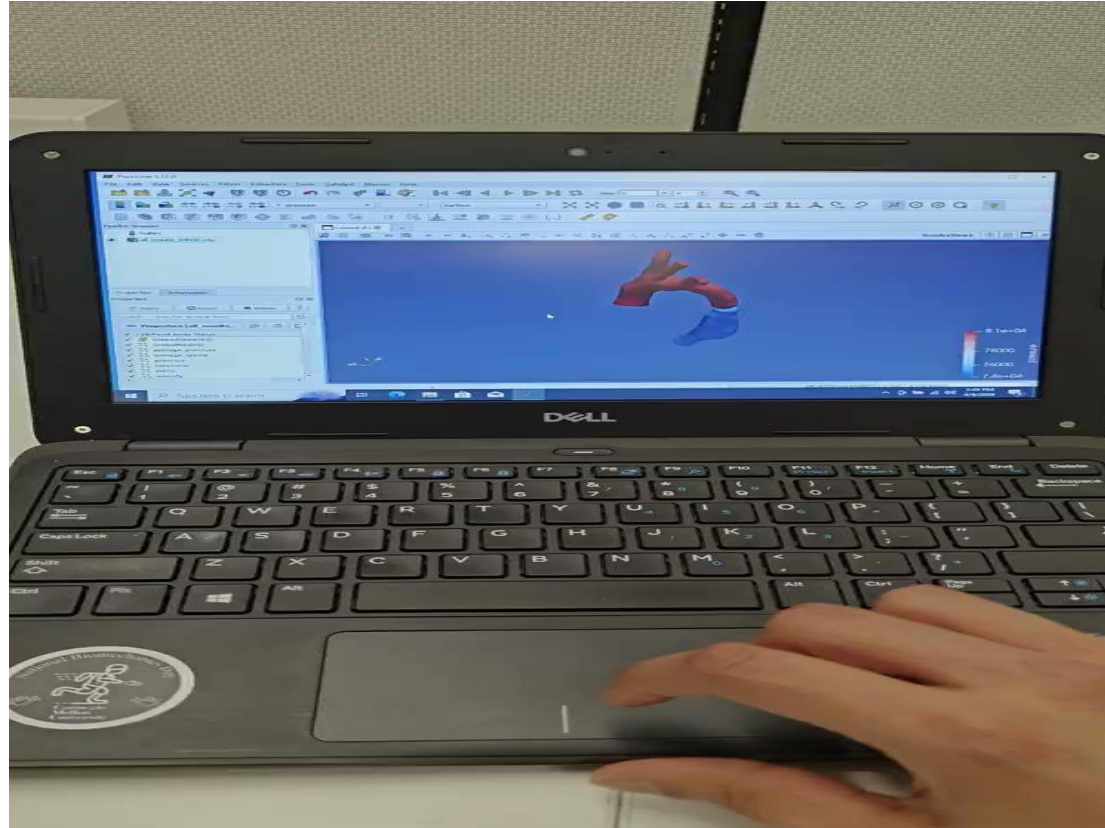
Navigate to the diseased and healthy .vtu files on your desktop

# Zooming back into your aorta model



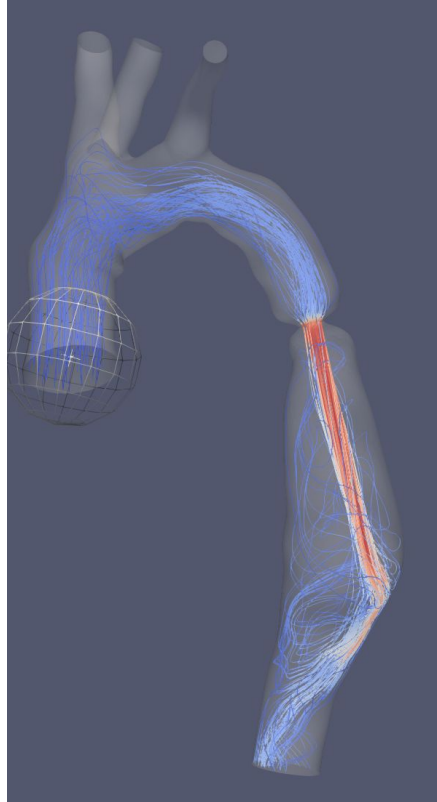
Has the model disappeared or become too small to see? Press one of these 4 buttons!

# Zooming into your data and rotating it

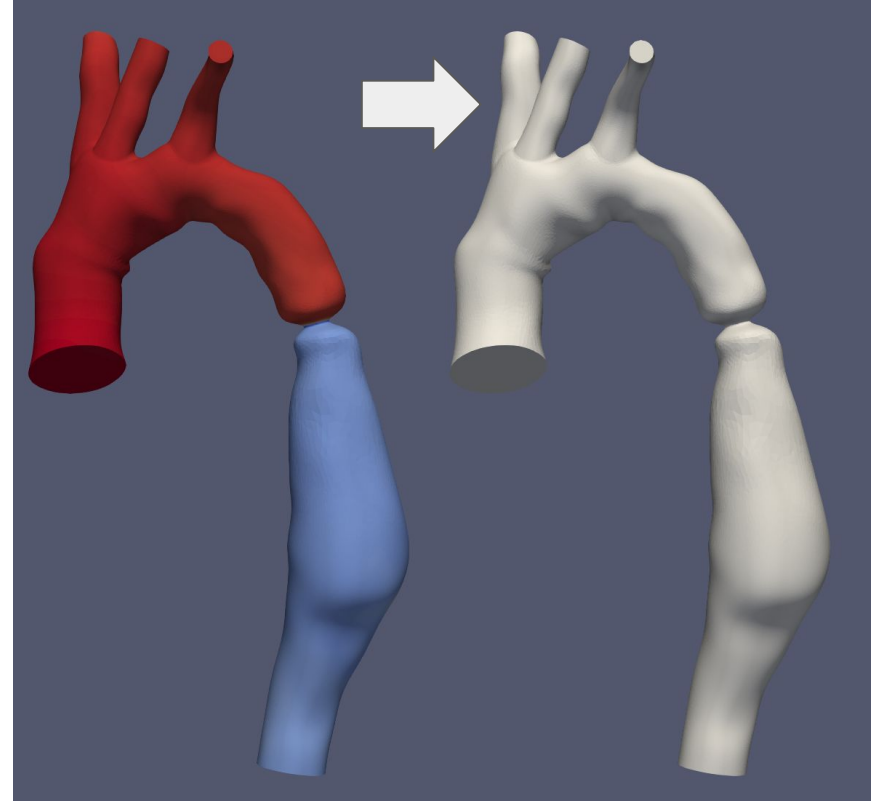
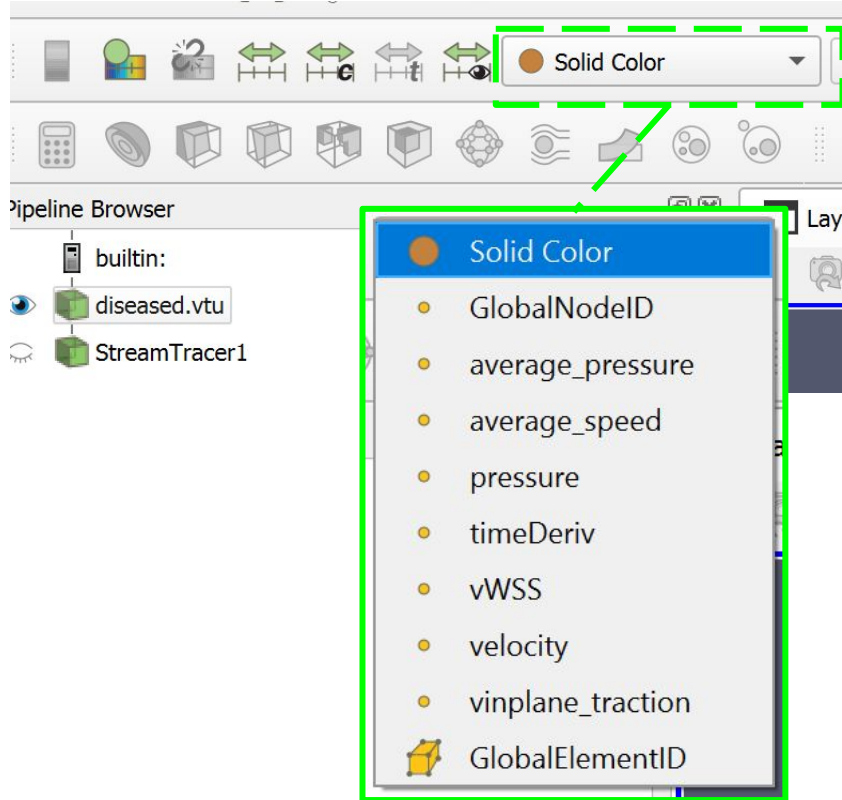


# Viewing Streamlines

Looking at streamlines tells us a lot about the flow! But getting our software to show this takes some steps.

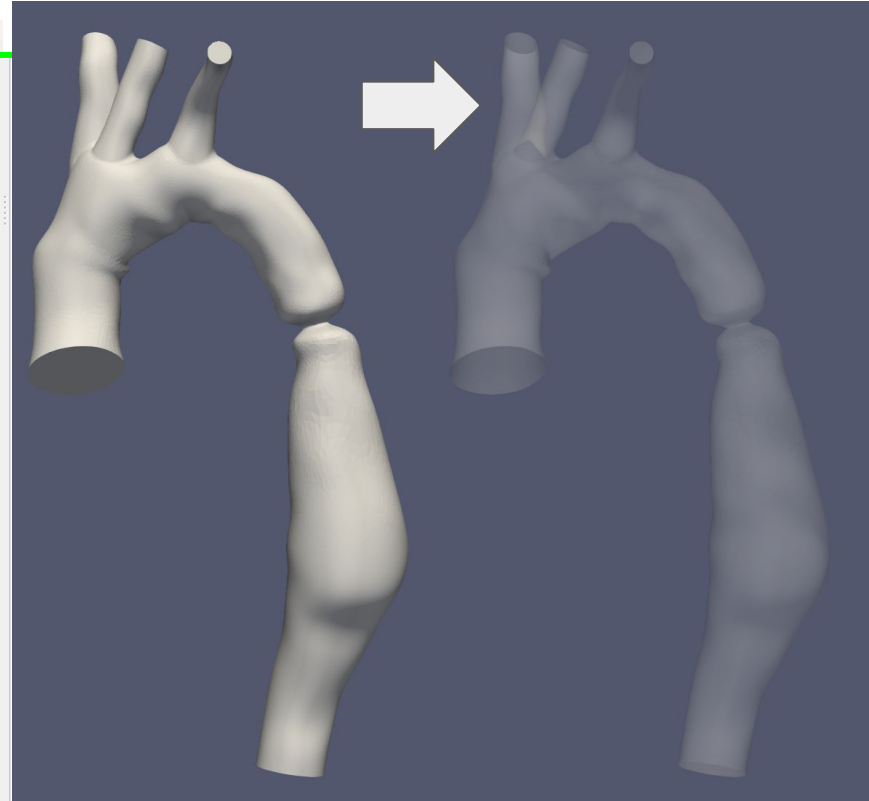
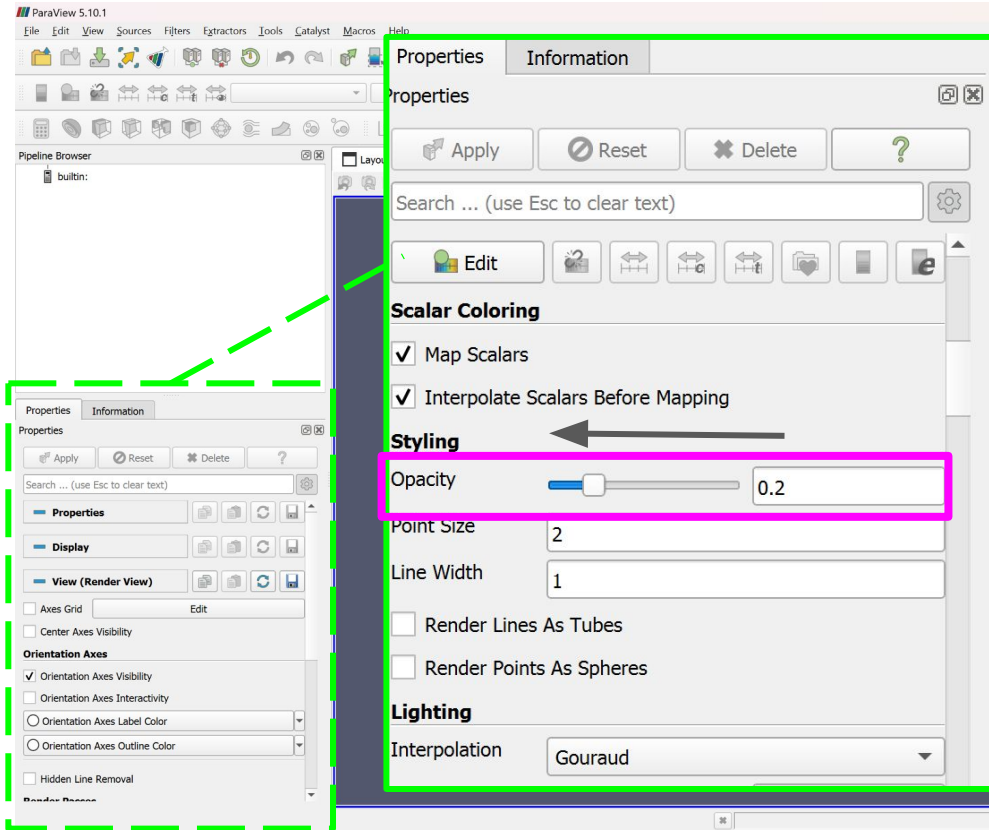


# 1. change to solid color

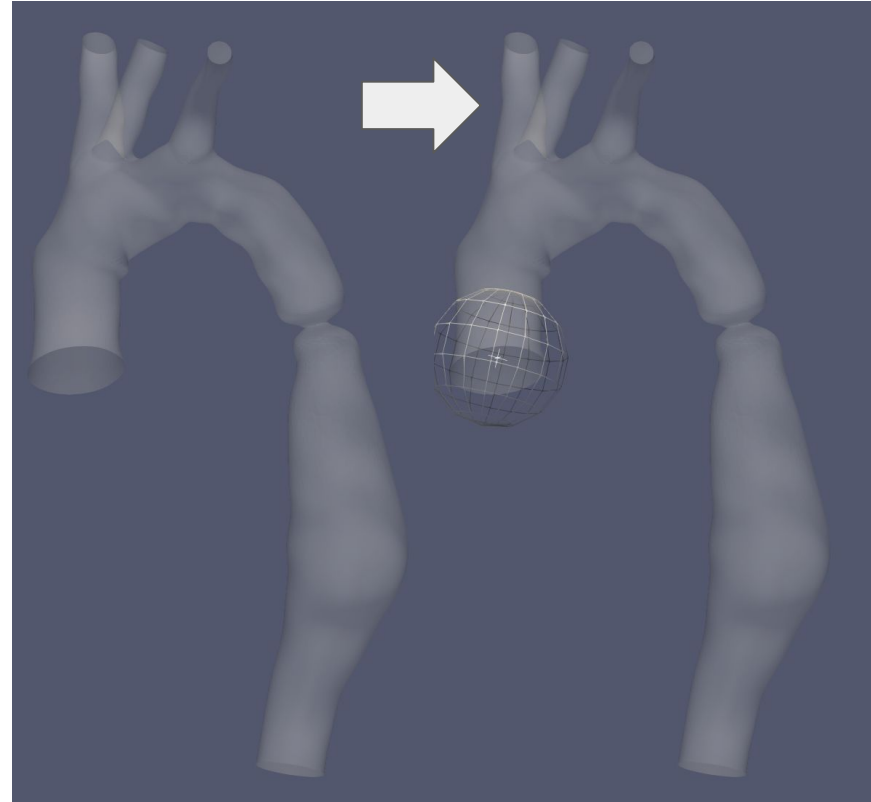
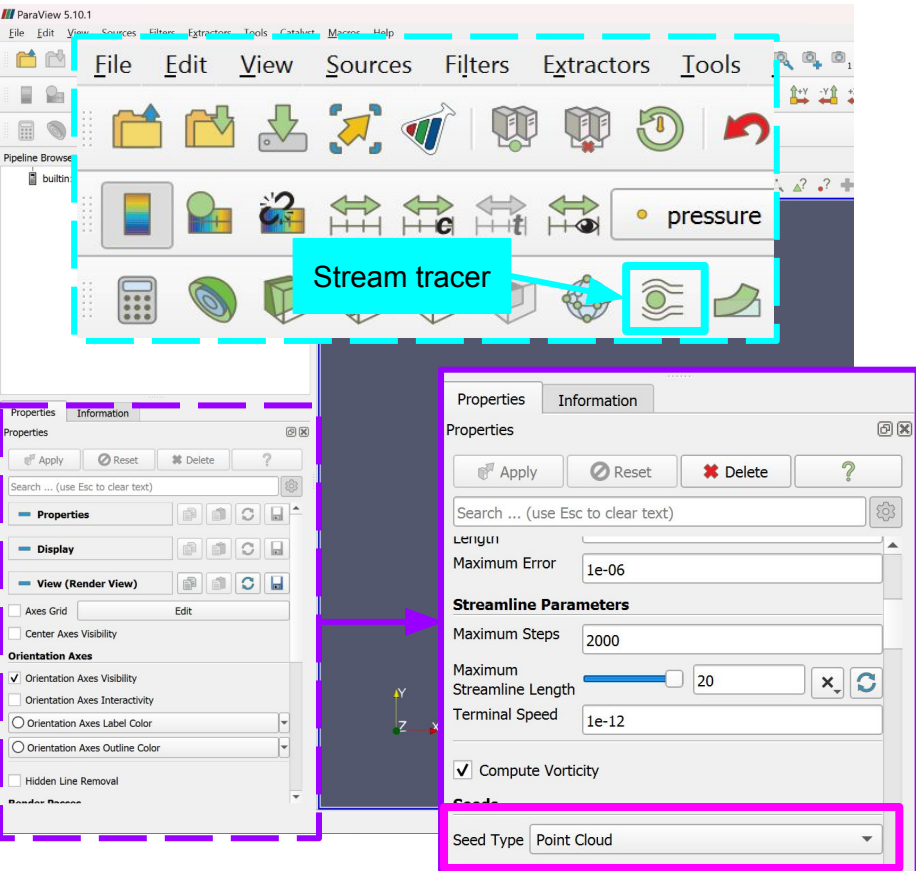




## 2. Change opacity to 0.20



### 3. Click **stream tracer** and set seed type to **point cloud**



## 4. Change some settings for the streamlines, then **apply!**

