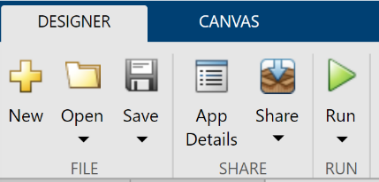
**Aneurysm Metrics User Interface Instructions**

**\*\*\*WARNING: This is not an FDA approved medical device. This tool should only be used for research, and results should never be used to diagnose.\*\*\***

**Running the Interface and Loading Data:**



1. Run MATLAB app by clicking the green run arrow found in the toolstrip.
2. Click the “Load Images” button on the left side of the interface.
3. Select two NIFTI data files – the brain and the mask.
   1. A file explorer window will open. Navigate to and select the NIFTI file that corresponds with the entire brain. Click Open.
   2. Another file explorer window will open. Navigate to and select the NIFTI file that corresponds with the mask. Click Open.
4. Wait for MATLAB to run and the interface to populate. This may take up to one minute.
5. The images can be manipulated (zoom, pan, etc.) by hovering the mouse over the top right corner of the image for a toolbar to appear.
   1. To use a tool, select the symbol for it (the symbol will become blue). Then click and use the tool on the image.
      1. Pan or Drag: hand symbol
      2. Zoom: plus and minus magnifying glass symbol
6. To import a new dataset, click the “Load Images” button.

**Navigating the Displayed Information:**

* Image Metrics are displayed on the left side of the Interface.
  + **BV. Max. Diameter:** The maximum diameter of the blood vessel.
  + **AN. Max. Diameter:** The maximum diameter of the aneurysm.
  + **Size Ratio:** The size ratio between the max diameter of the blood vessel and the aneurysm.
* Images
  + **Brain Slice Images:** Displays the view of the entire brain scan with the aneurysm. The aneurysm is highlighted neon green. The blood vessel is highlighted a darker green. The image may need to be zoomed in to see it.
  + **Aneurysm and Vessel Image:** Displays a zoomed in view of the whole brain image so that the aneurysm and blood vessel are shown up close. The slice displayed is the slice the maximum diameter of the aneurysm was found in.
* Tool Tips
  + To see hints or definitions about each feature on the interface, hover the mouse over the corresponding label or button.