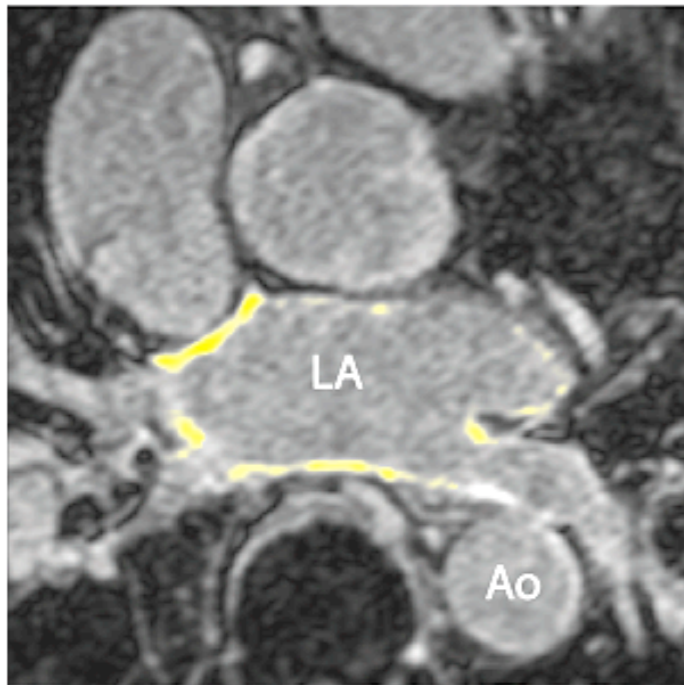
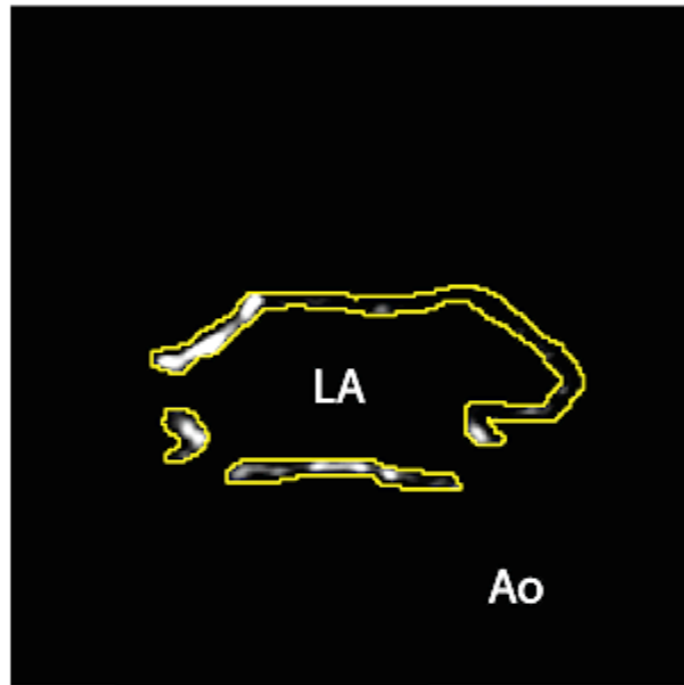
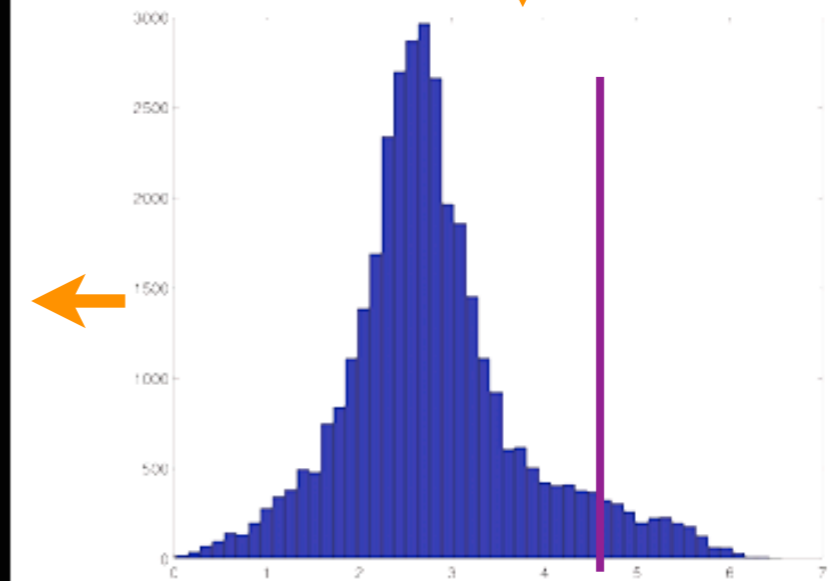
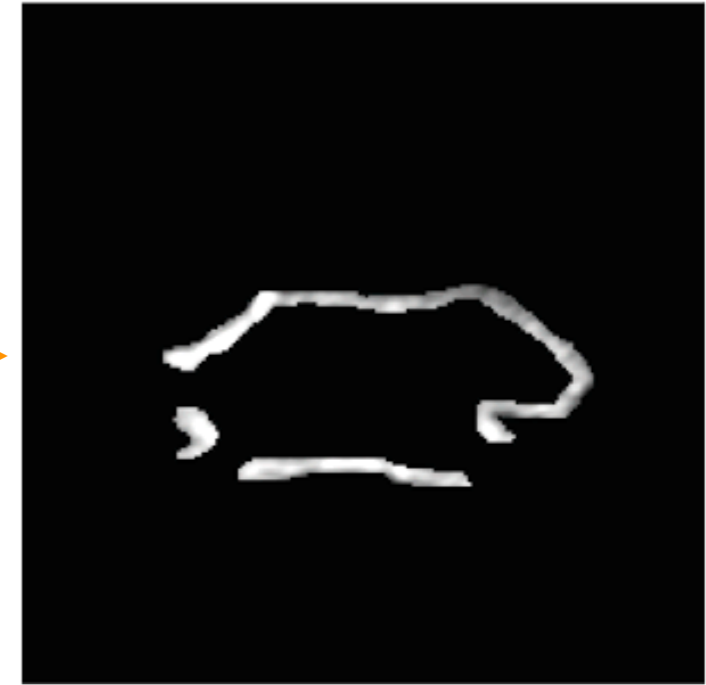
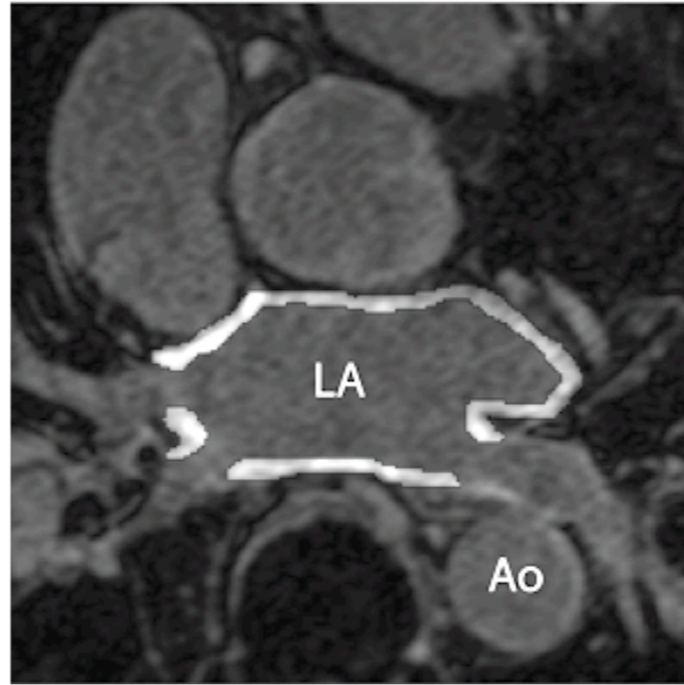
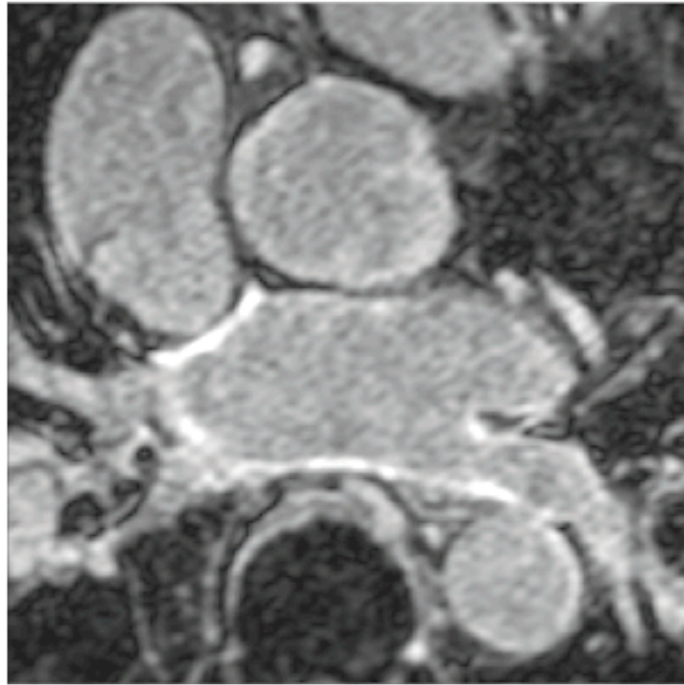


The CARMA Workflow (Now in Slicer)

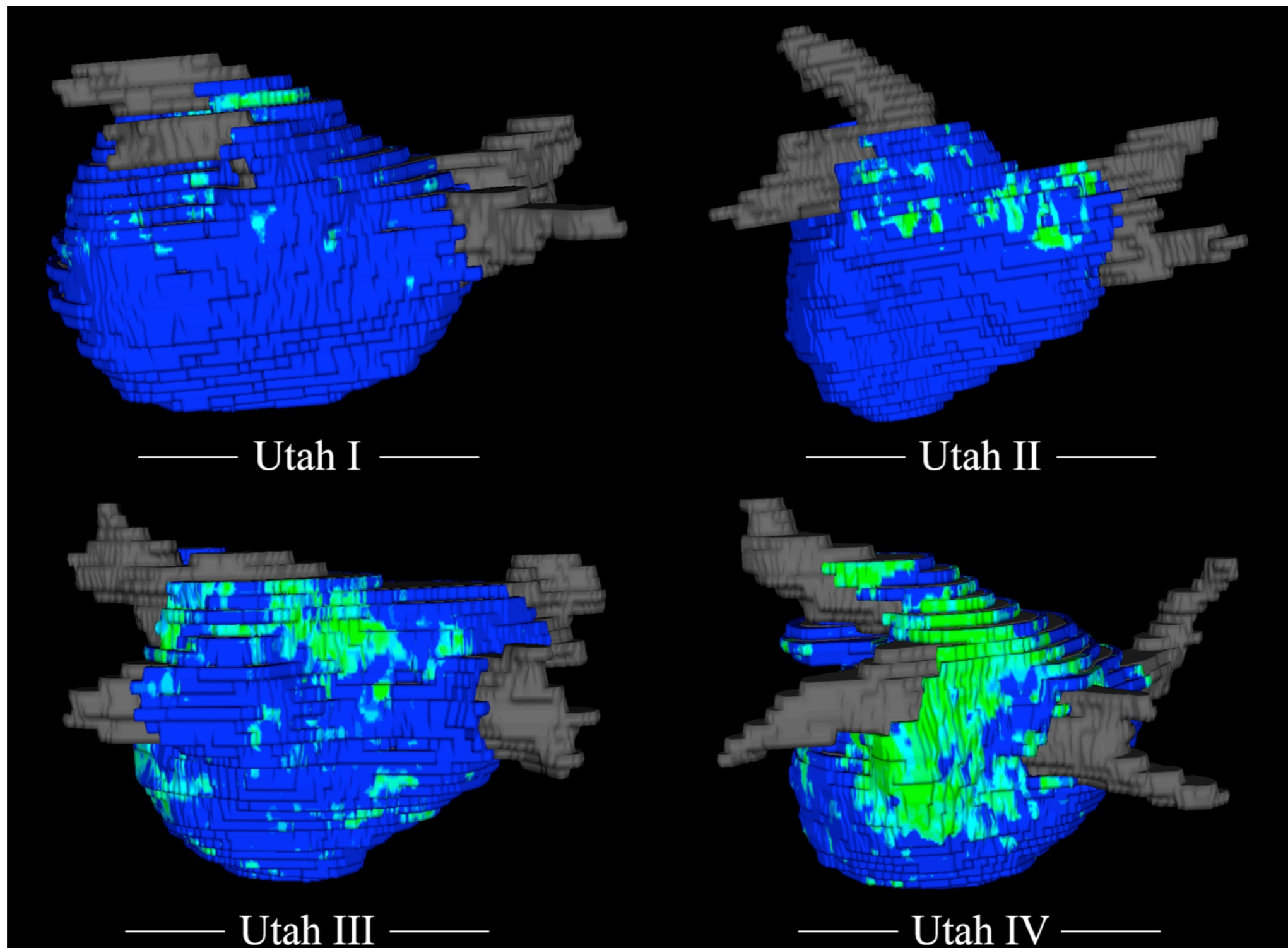
January 10, 2013



CARMA Workflow

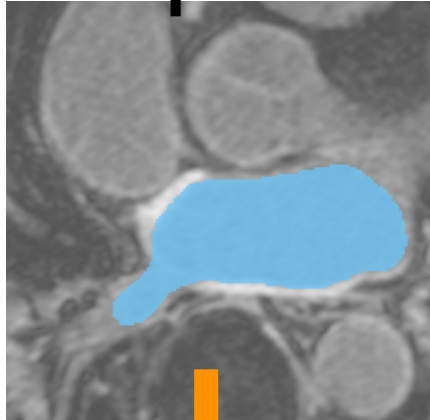


Utah Stages

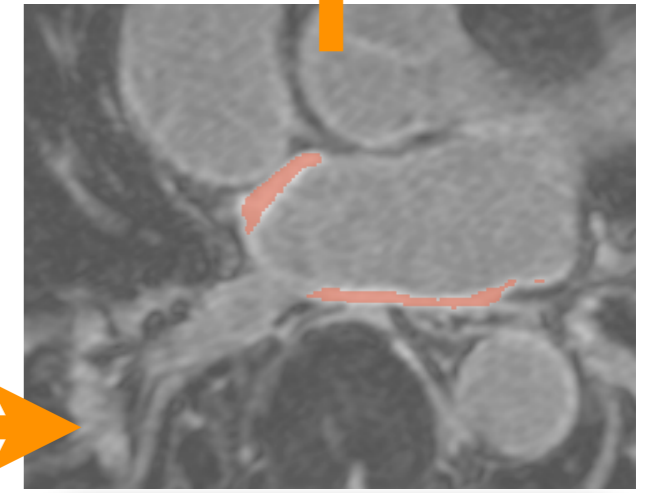
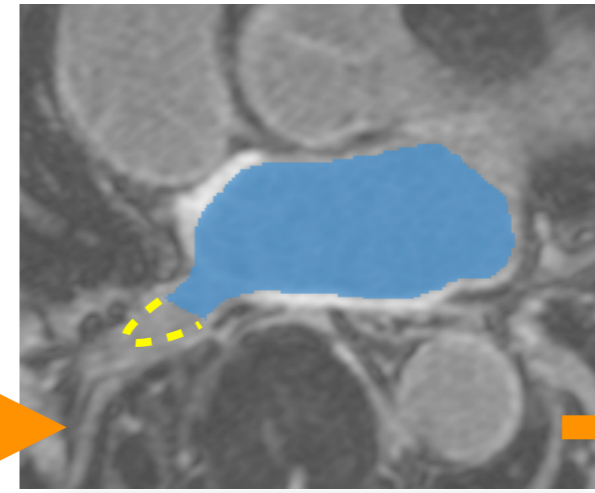
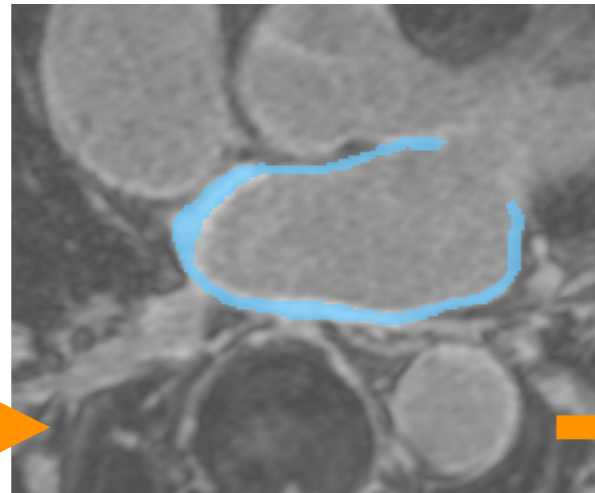
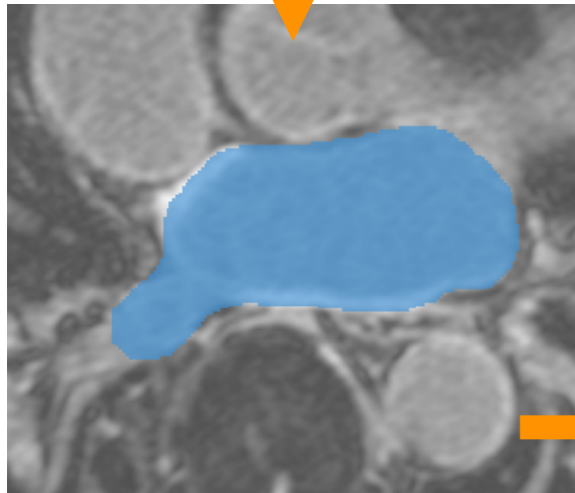
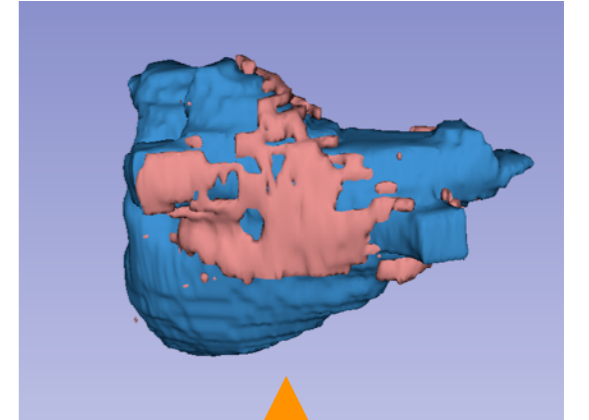


Slicer Workflow

Inputs



Visualization



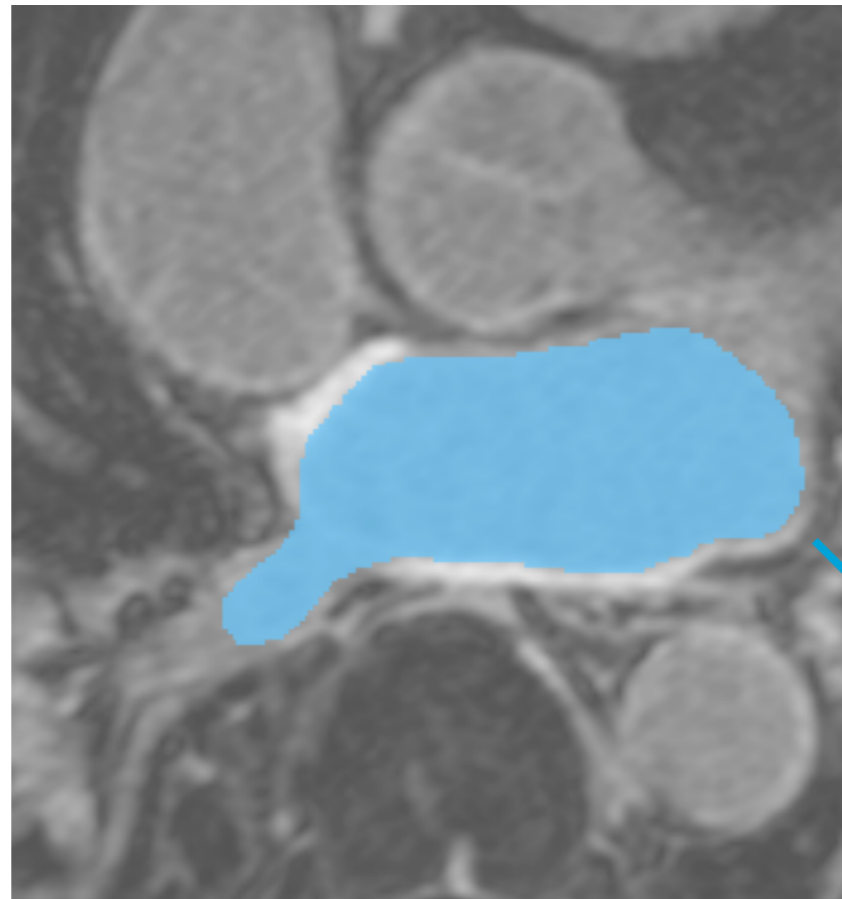
2D Dilation

Segment Wall

PV Antrum Cut

Scar Detection

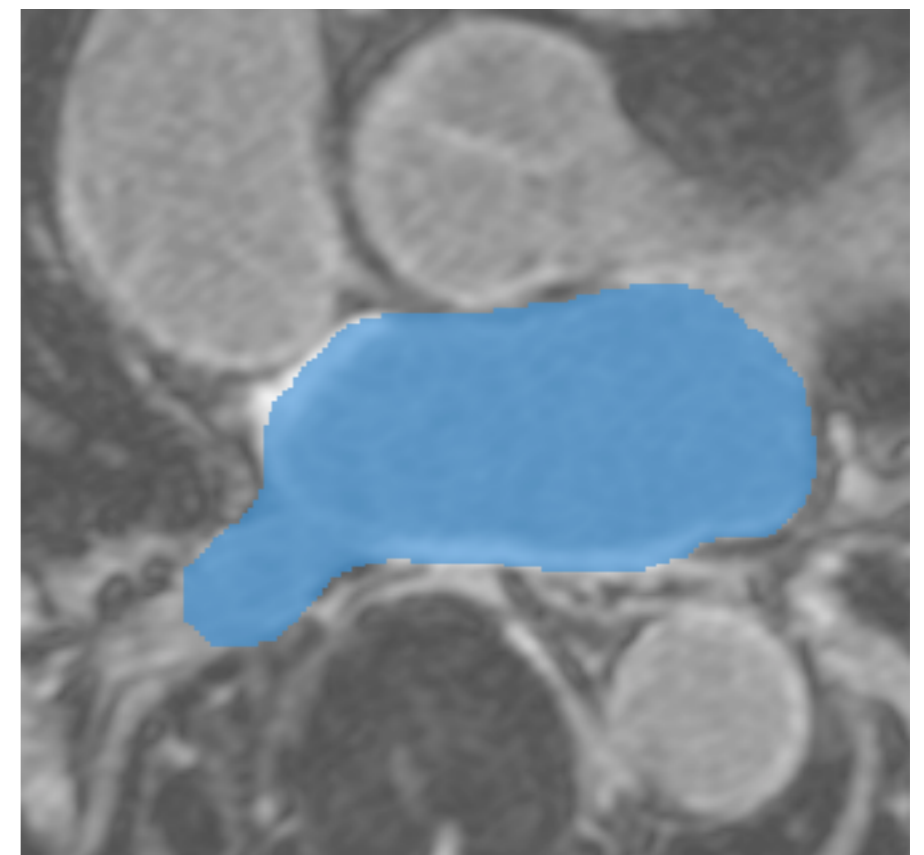
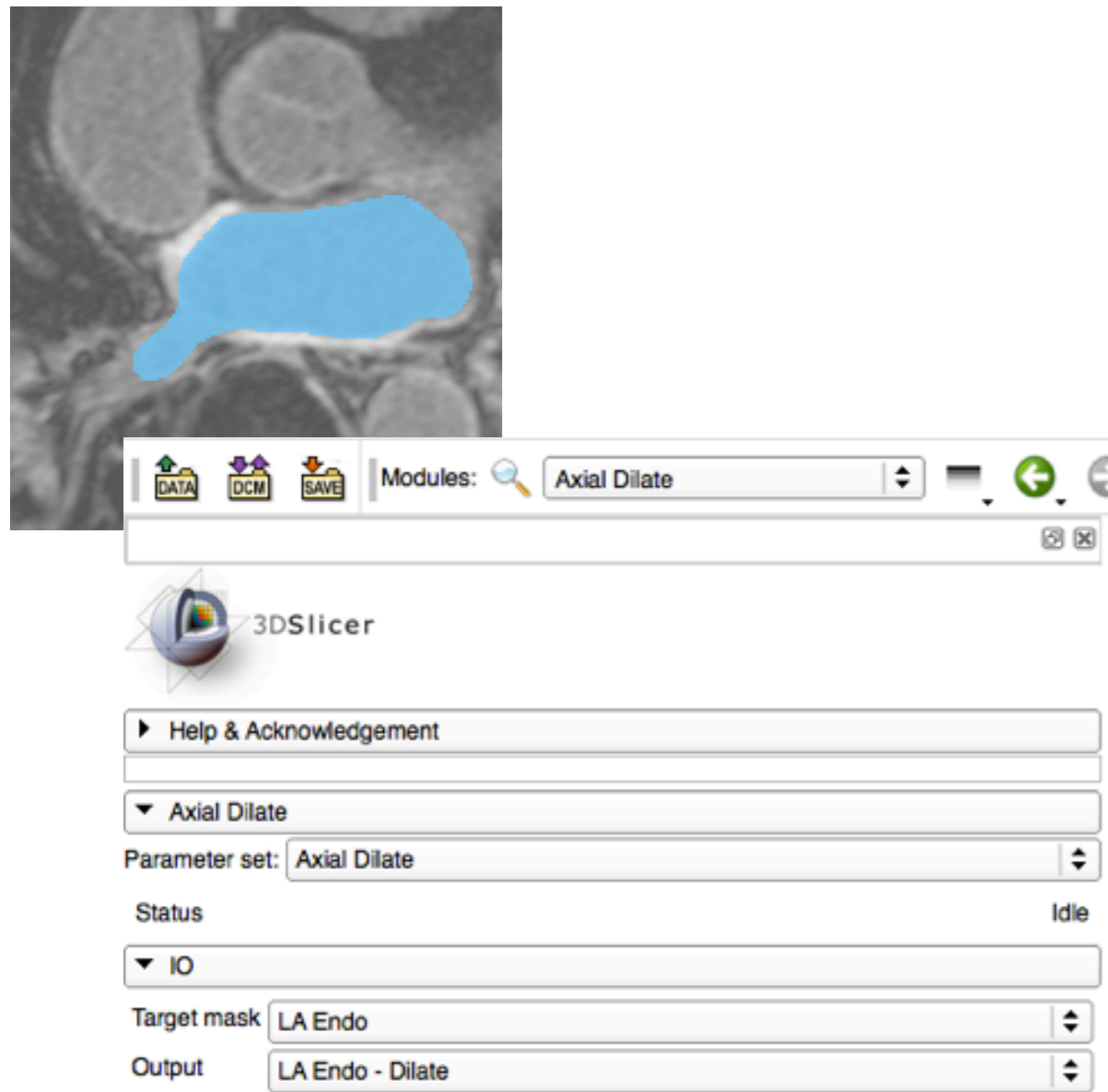
Inputs



LGE-MRI
Image

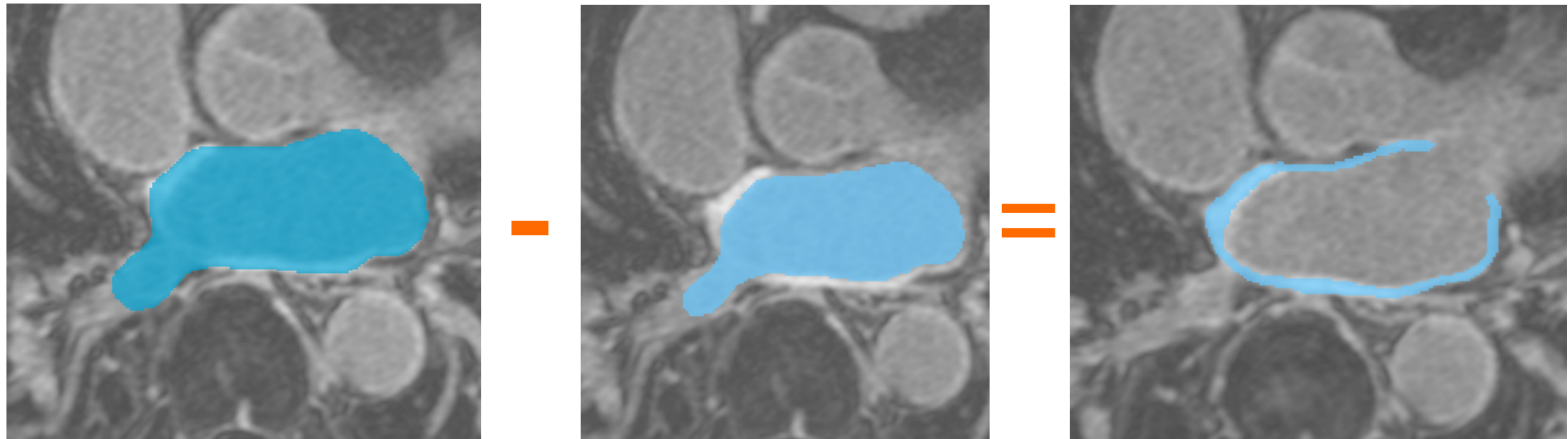
Blood Pool
Segmentation

2D Dilation: Epicardial Contour



Module: Axial Dilate

Wall Segmentation

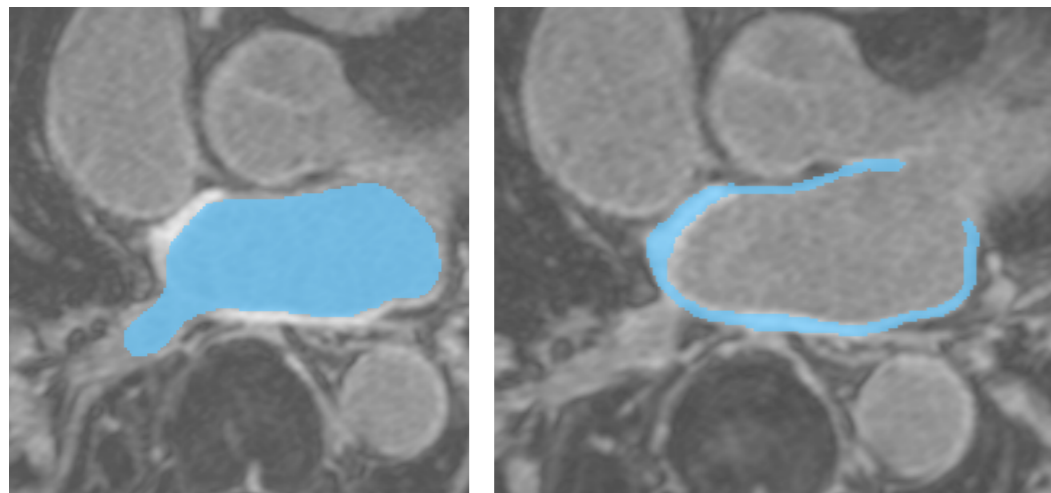


Modules:

Editor

Subtract Scalar Volumes

PV Antrum Cut



3DSlicer

▶ Help & Acknowledgement

▼ PV Antrum Cut

Parameter set: PV Antrum Cut

Status Completed

100%

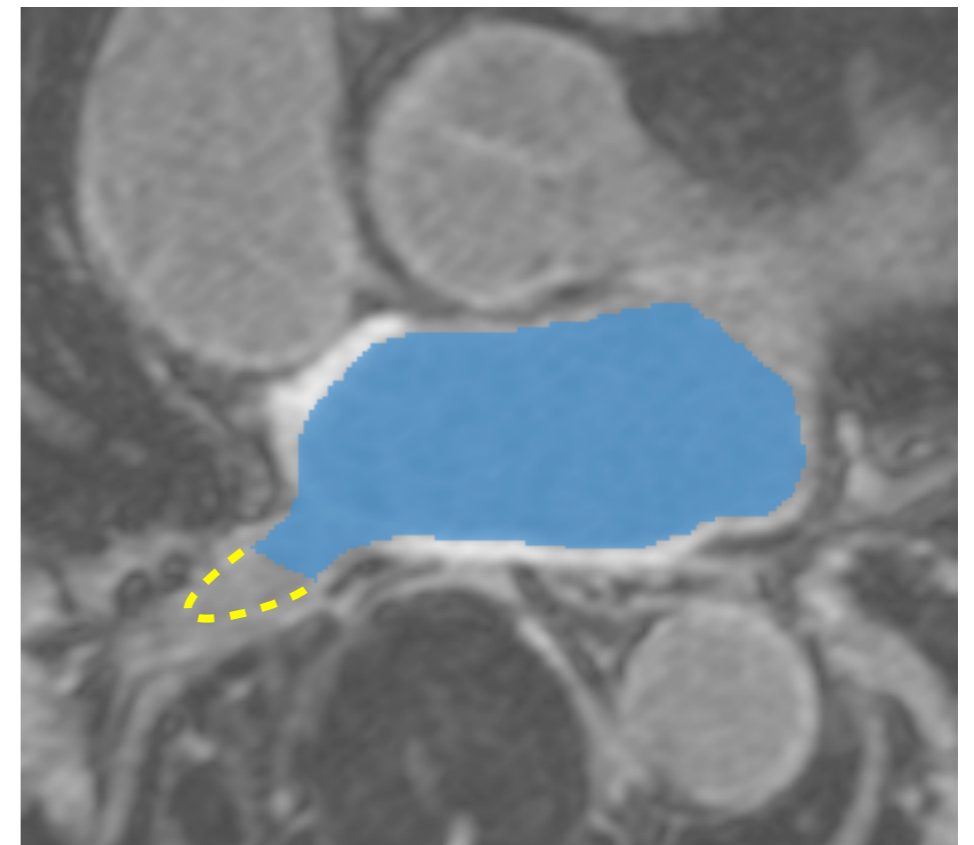
▼ Input Images

Endo Layer LA Endo

Wall Layer LA Wall

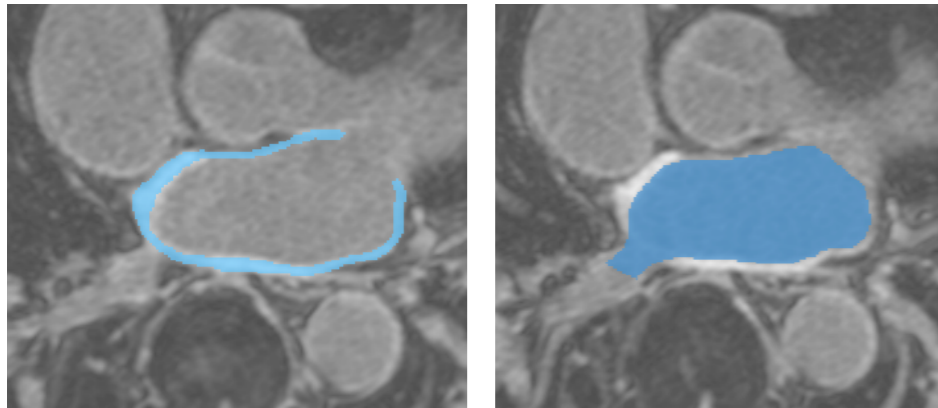
▼ Output Image

Endo Layer No Veins endo-no-veins



Module: PV Antrum Cut

Scar Detection



3DSlicer

▶ Help & Acknowledgement

▼ Automatic Left Atrial Scar

Parameter set: Automatic Left Atrial Scar

Status Idle

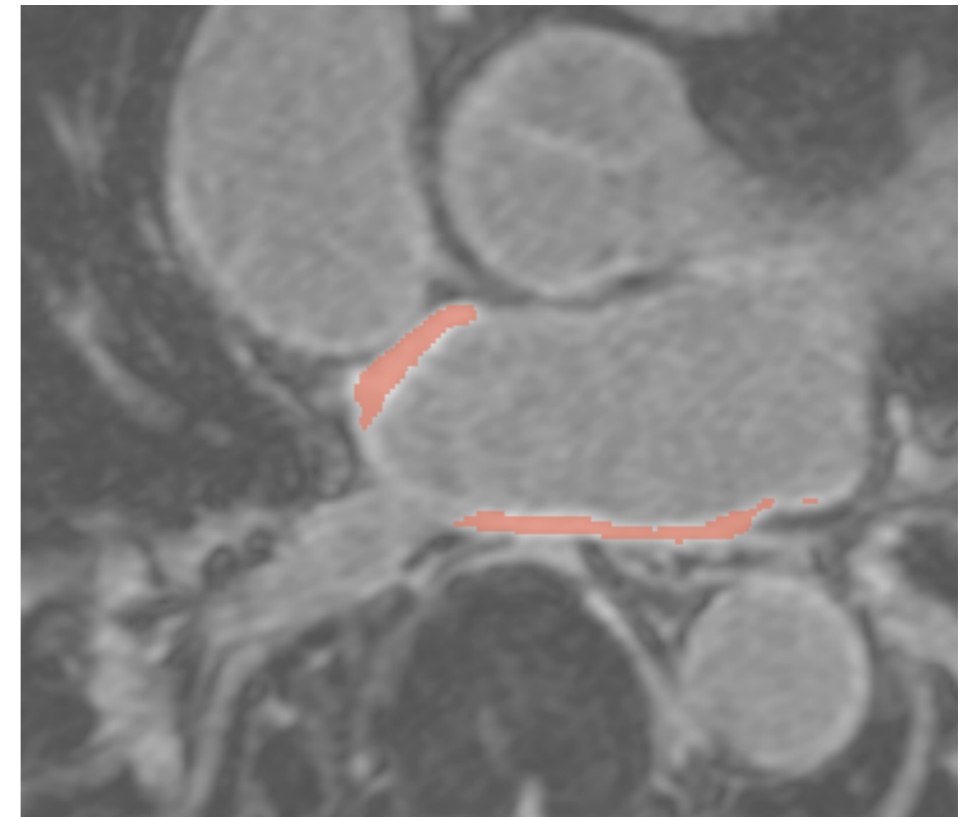
▼ IO

MRI image Original

LA wall mask LA Wall

Blood Pool mask endo-no-veins

Result scar-label



Module: Automatic Left Atrial Scar

Personalized Fibrosis Model

