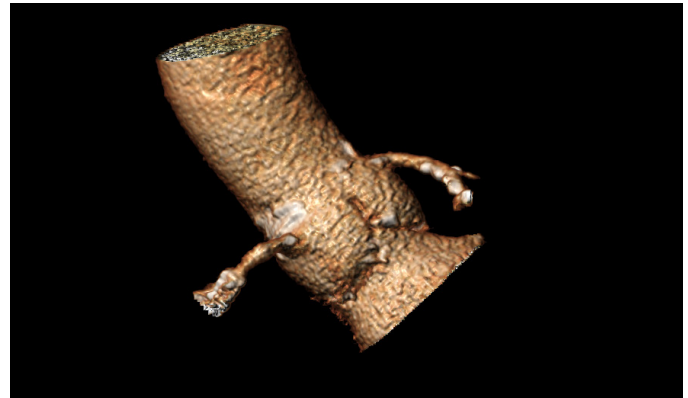


# 3mensio 3D Print

## Generate CT-based 3D prints

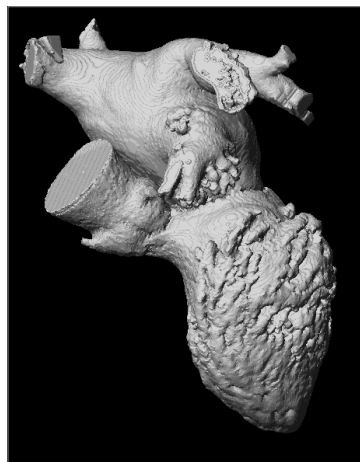
3mensio 3D print offers a wide range of segmentation options, enabling the creation of STL for 3D printing or SSO files that can be used for image fusion with for example angio systems. The customizable segmentation and adjustable model complexity allow for the best fit for a variety of application purposes.



Segmentation of the Aorta



Hollow model



Blood model



Patient ID added to a flat surface of the model

## Generate the anatomical model

### Automatic segmentation algorithms

- Vessel
- Subclavian
- Aortic root
- Left Atrium(and ventricle)

### Manual segmentation or adjustment

- HU Threshold segmentation(min/max)
- Sculpting
- Manual adding/removing

### Model options

- Blood Volume model
- Hollow model
- Adjust wall thickness
- Adjust smoothing factor

## Optimize export

### Adjust model

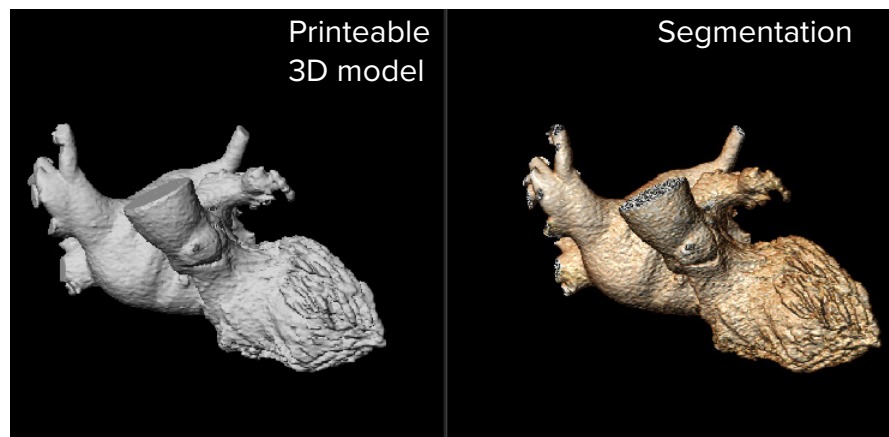
- Add a logo or patient ID
- Sculpting

### Model options

- Change model quality
- Scale the model (Target size%)
- Change max error

### Export in different file formats

- STL → Common 3D print format
- SSO → Used for image fusion



Segmentation of the left side of the heart and the 3D print model