

# CT Transcatheter Aortic Valve Replacement (TAVR) Planning

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VITALU

# TAVR: Overview of the Application

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## Overview:

**CT Transcatheter Aortic Valve Replacement (TAVR)** planning assists with the assessment of the aortic valve and in pre-operational planning and post-operative evaluation of transcatheter aortic valve replacement procedures.

Some key features of the application include:

- Comprehensive template of measurements, including diameter, area, angle, circumference and length.
- Automated segmentation and centerlines of aorta and aortic root for assessment and delivery approach.
- Three-point aortic valve plane definition.
- Display of C-Arm angle for device placement.
- Flexibility to enable planning for the transfemoral, subclavian and transapical delivery approaches.
- Create new, add or modify stent planning templates with the Custom Device Template Editor.
- Ability to load multiple volumes or series, allowing users to analyze diastolic, systolic and access phases with combined reporting.
- Optimized viewing for cardiac valves and calcium.

# TAVR-Workflow:

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## The Steps:

- Select Study
- Choose Protocol and Preset
- Volume Navigation
- Set Valve Plane
- Predict the angle of implantation. (C-Arm Angles)
- Measure/Modify Annulus Diameter/Annulus Size
- Measure/Modify Sinotubular Junction (STJ) Diameter /Size
- Measure/Modify Sinus of Valsalva Width/Height
- Measure Annulus to LM and RCA Height
- Apply Aortic-Iliac Access and review Auto Centerline
- Vessel Extend
- Edit Centerline and Contours
- Measure/Modify Maximum Ascending Aorta Diameter
- Measure/Modify Minimal Abdominal Aorta Diameter
- Measure/Modify Maximum Thoracic Aorta Diameter
- Measure/Modify Aortic Neck Angle
- Measure/Modify Left/Right Common Iliac/External Iliac/Femoral Arteries
- Maximum Tortuosity Left/Right Iliac
- Add New Measurements
- Set Diameter Thresholds
- Review specialized Presets (Calcium/Leaflet view)
- Modify/Create New Templates
- Create Batch and Snapshots
- Distribute Finding and Reports

# TAVR-Select Study

Launch  
Vitrea®

Double-click the **TAVR**  
application.

Name: TVT 3  
ID: AW151823903.3.13365313  
Acc#:   
Description:  
(CT) GATEDAORTA  
Date: 2012/05/08  
Load Study

Applications	Series	Snapshots	Reports				
Oncology Fusion 5-65 11877 Images	Aorta 5-65	GGS Gated Arch to Lesser Tro 11877 Images	TAVR 70-80	GGS Gated Arch to Lesser Tro 11877 Images	GPS Gated Arch to Lesser Tro 11877 Images	Aorta Stent 5-65	Core 3D 5-65

OR

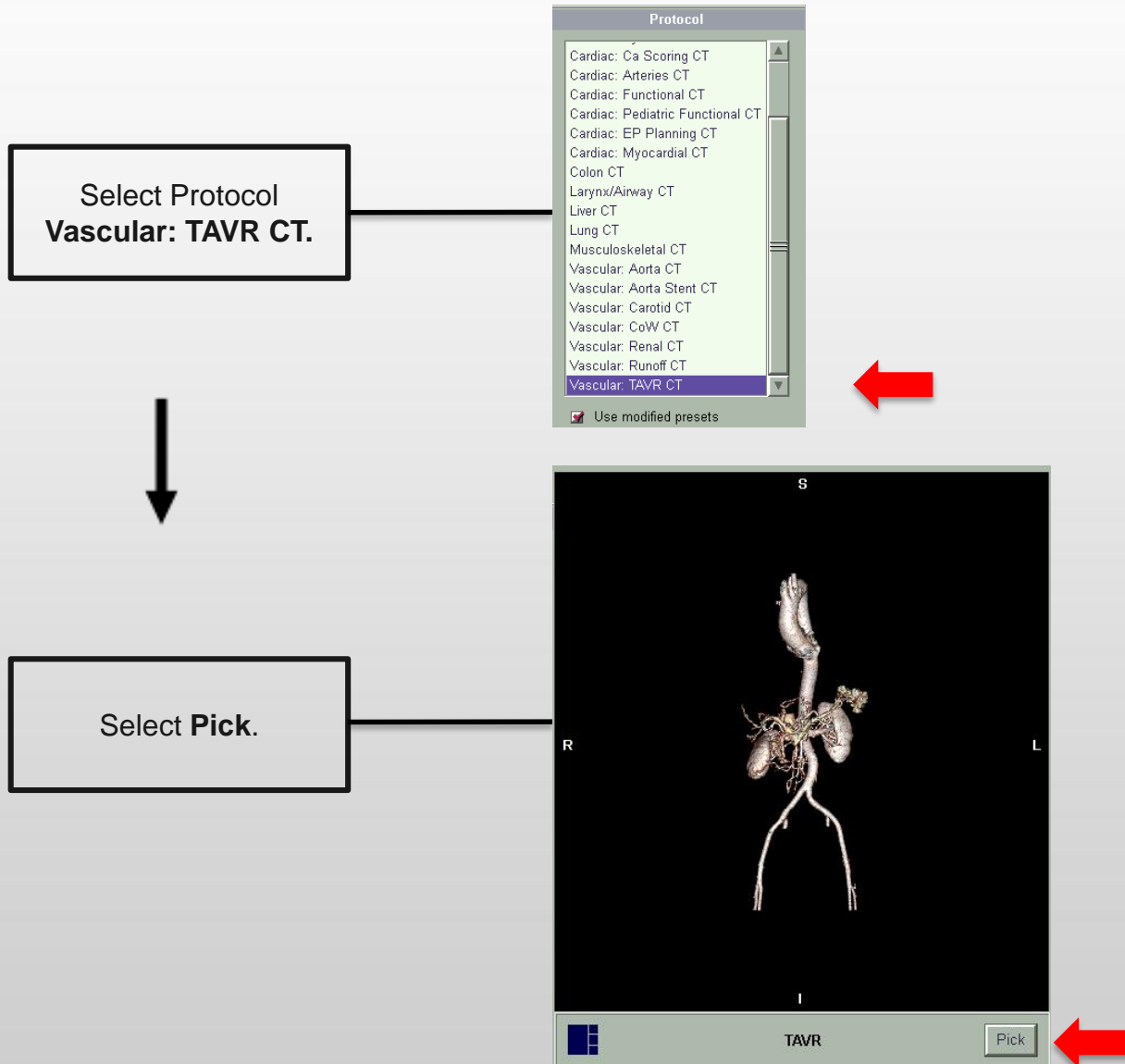
Select **Series** and  
choose a specific data  
set. Click on **Advanced  
Viewer**.

Name: TVT 2 PRE  
ID: AW231905159.719.13365311  
Acc#:   
Description:  
(CT) GATEDAORTA  
Date: 2012/05/08  
Load Study

Applications	Series	Snapshots	Reports
Se 6, 1281 Images 5-65 IN 10's SS30	Se 5, 121 Images 70-80 15's SS30	Se 4, 904 Images GATED AORTA SS30	

**TIP:** User can load up to **4** series at one time. Hold **CTRL** when selecting each series.

# TAVR-Protocol and Preset

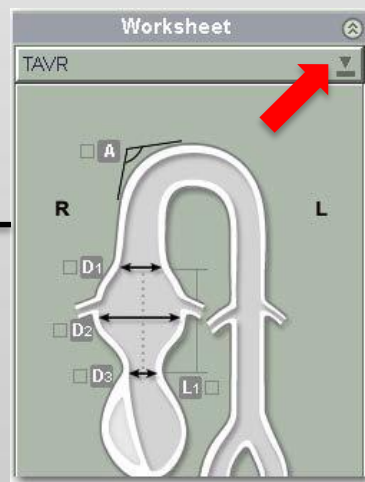


# TAVR-Viewer

The viewing screen displays three oblique MPRs and a 3D view.

The TAVR workflow measurement list is displayed.

Click the arrow next to Worksheet to display the TAVR Worksheet.

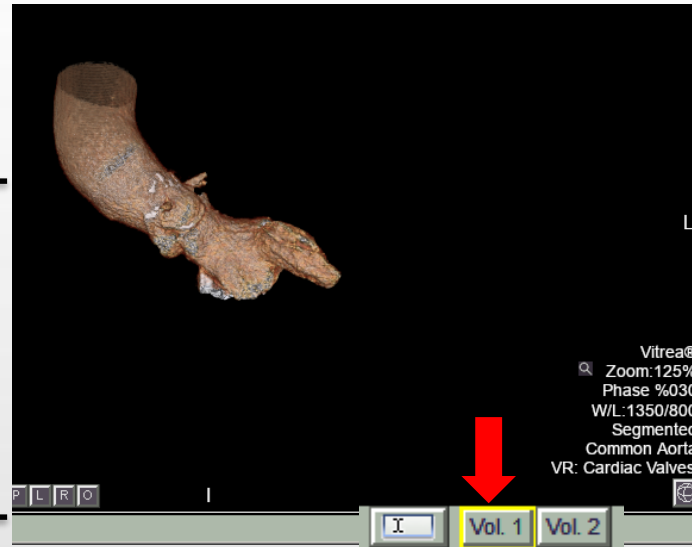


# TAVR-Volume Navigation

You can **rename** the **volumes** when multiple series are loaded.

Click on the **Volume** you want to rename.  
Click on the icon next to **Vol. 1**.

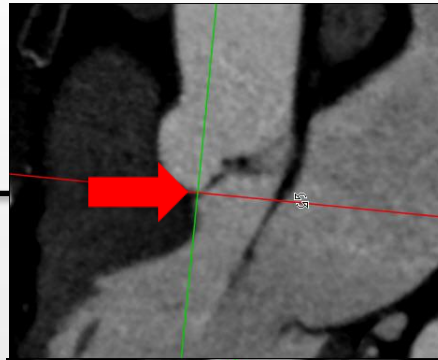
**Rename** the volume.  
Click **OK**.  
Repeat for the remaining volumes.



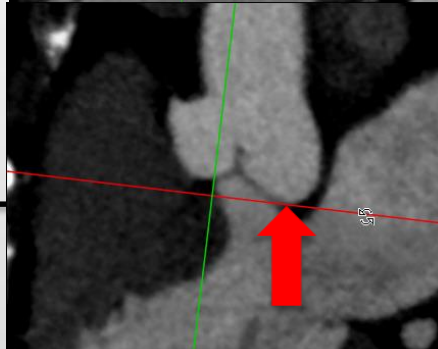
Click Next to rename the other volumes.

# TAVR-Set Valve Plane

Place the **crosshair** at the bottom of one of the cusps on the long axis view.



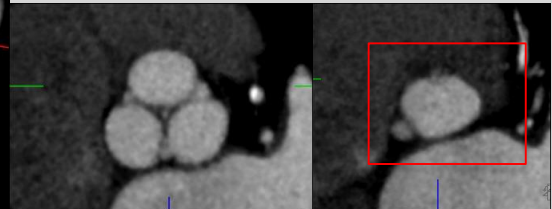
Continue within the same view and scroll to locate the bottom of the second cusp.  
**Rotate** the **red** line until it intersects both cusps.



Move across to view the other long axis image.

**Rotate** the **red** line until it is **parallel** with the cusps.

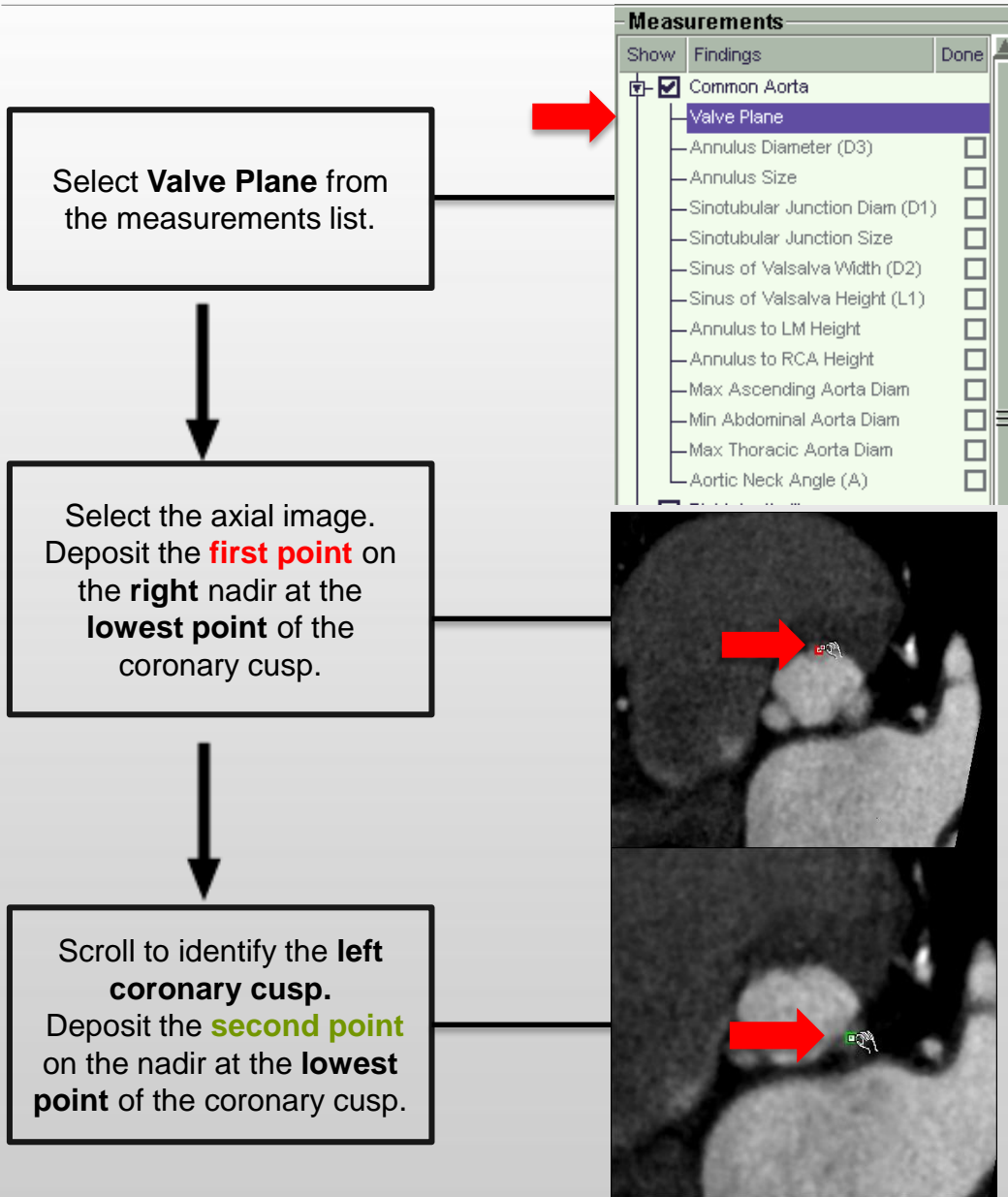
The **short axis** view displays the valve plane.



Cine through valve until 3 cusps come into view. Adjust the crosshair rotation as needed.



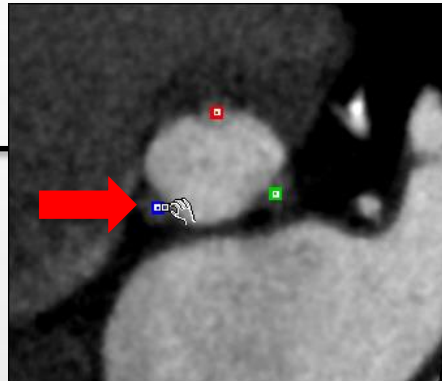
# TAVR-Set Valve Plane



The axial view is selected when placing the valve plane points.

# TAVR-Set Valve Plane

Scroll to identify the **non coronary cusp**. Deposit the **third point** on the nadir at the lowest point of the cusp.



The **valve plane** is now identified in **purple**.



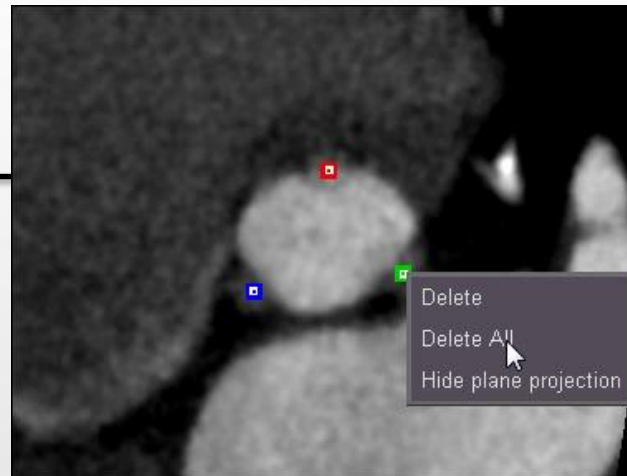
Take a **Snapshot**.



**TIP: Click on the valve points in any plane to edit.**

# TAVR-Delete Valve Points

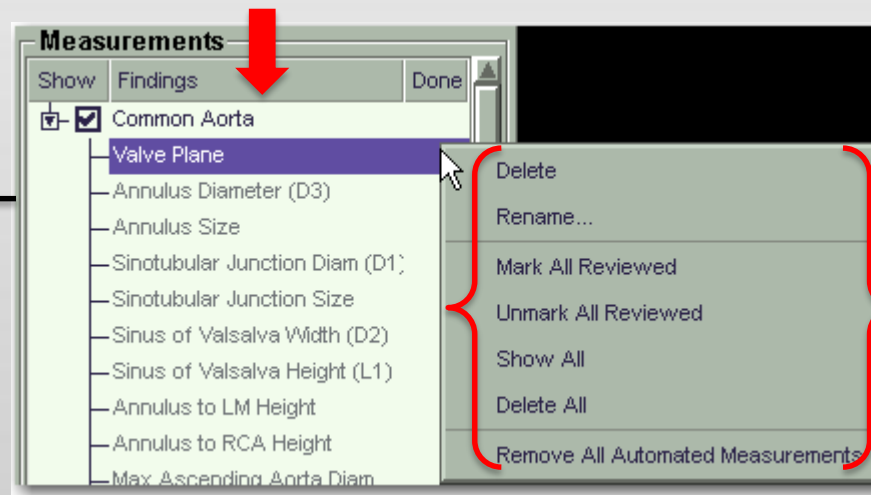
To **Delete** or **Delete All** valve points.  
**Right-click** a valve point marker.  
Select from the options.



**Hide or Show** the plane projection

OR

Right-click on the **Measurement Findings**.  
Select from the options.

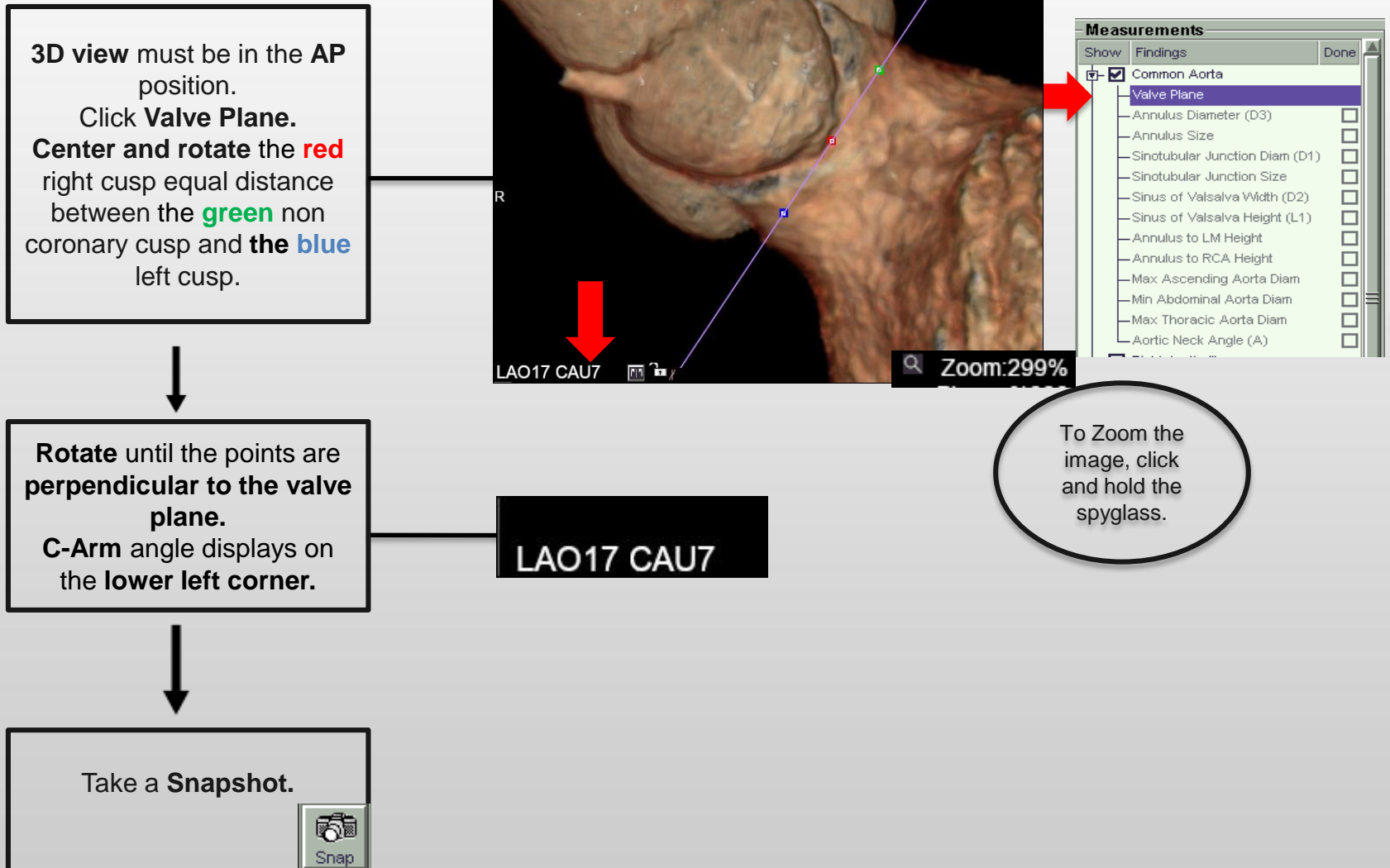


You can edit all measurements.

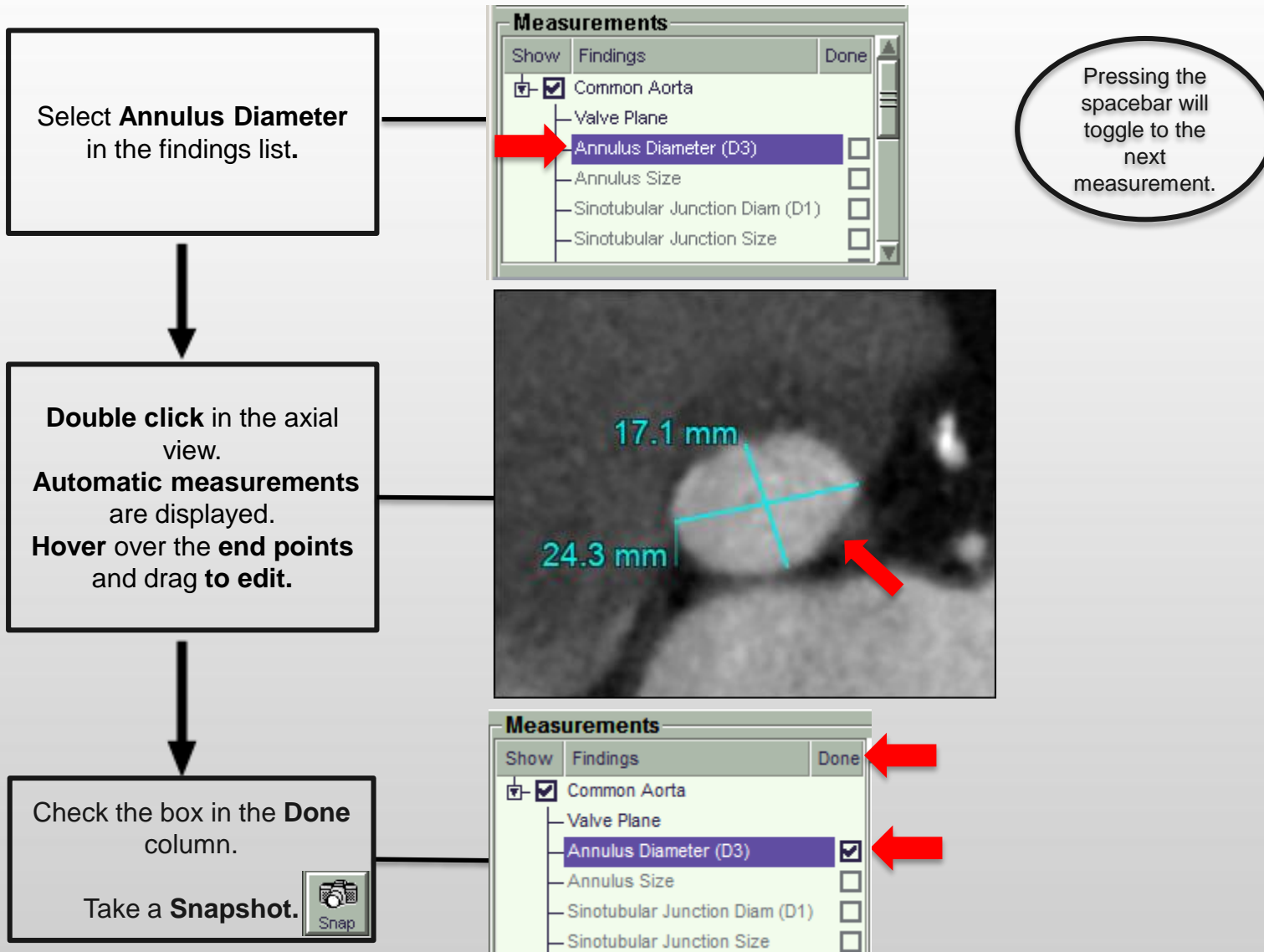


# TAVR- C-Arm Angles

The valve plane is automatically generated and superimposed on the 3D images to predict the angle of implantation.



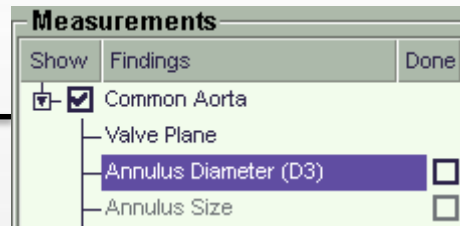
# TAVR-Measure/Modify Annulus Diameter



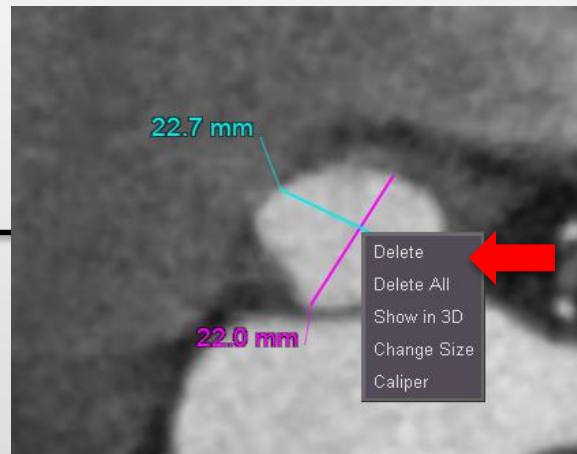
**TIP:** Only measurements selected as **Done** display on the Report.

# TAVR-Edit/Delete Measurement

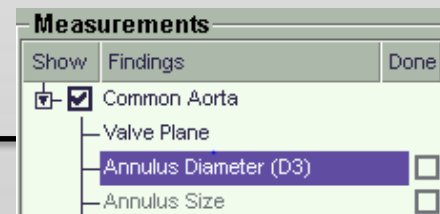
Make sure the measurement is **not checked** under **Done**.



**Right click** the measurement and **Delete/Delete All**.

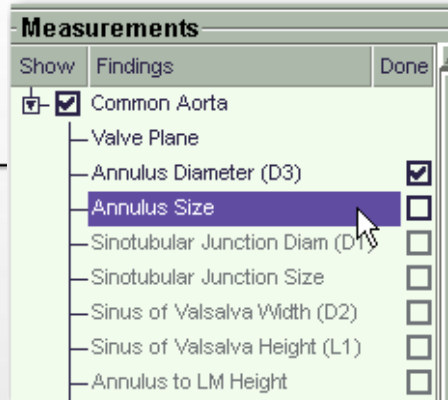


Click on the **measurement** you want to correct.  
The measurement will be highlighted in **purple**.  
Click **ruler** and **measure**.

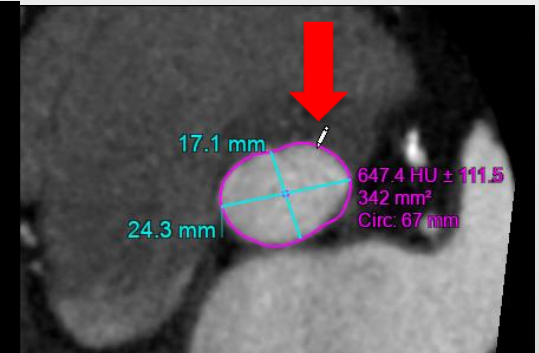
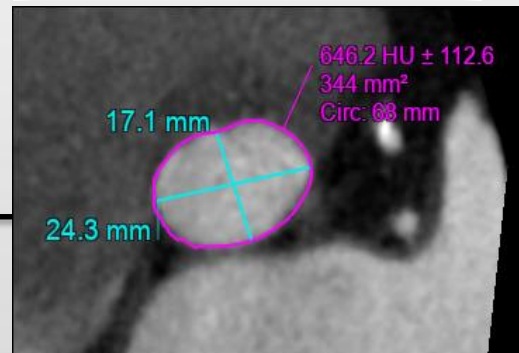


# TAVR-Measure/Modify Annulus Size

Click **Annulus Size** in the findings list.  
The **ROI** tool will be active by default.

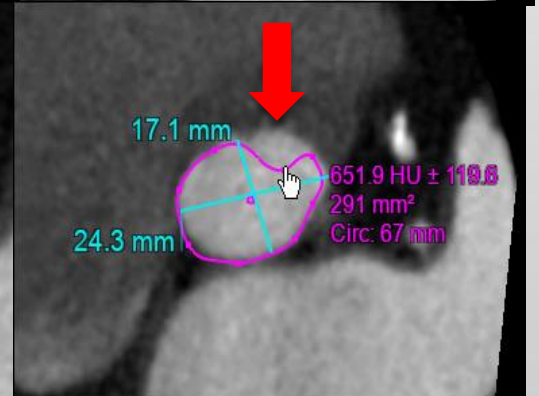
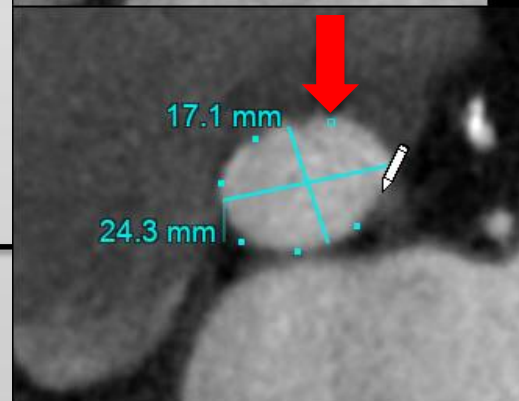


**Double click** in the axial image.  
**Edit** the size by **dragging** the **pencil** around the borders.  
You may **include** or **exclude** **calcium**.



OR

**Click** around the **perimeter** of the area of interest placing **anchor points**.  
**Double click** to connect the points.  
**To edit**: re-draw with the pencil.

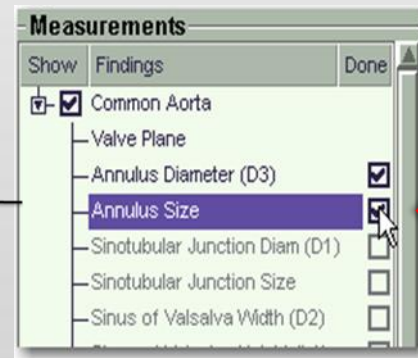


# TAVR-Measure/Modify Annulus Size

Right click over the circumference measurement.  
Select **Smooth**.  
Reapply as many times to **smooth the contour**.



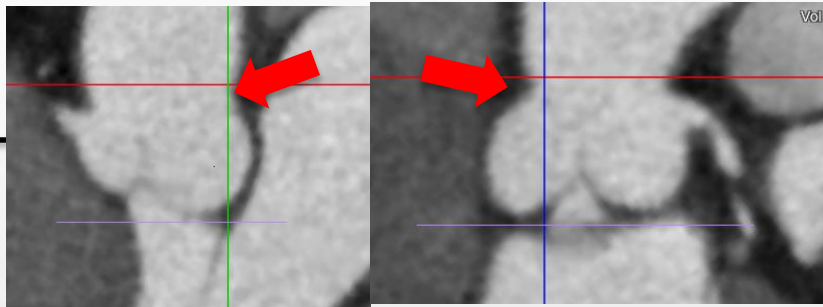
Check **Done**.  
Take a **Snapshot**.



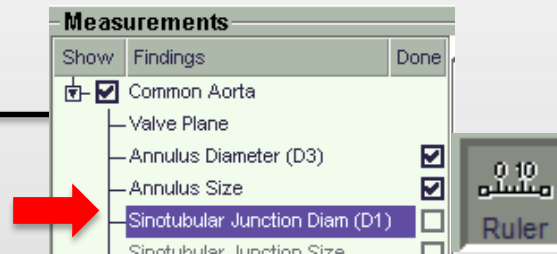


# TAVR-Measure/Modify Sinotubular Junction Diameter

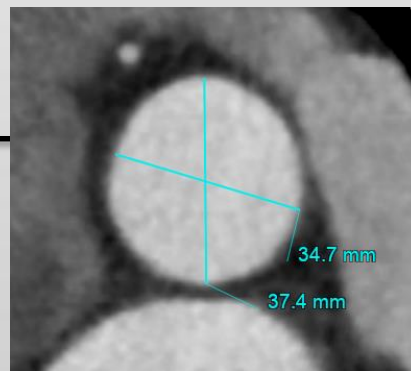
Close crosshair by pressing **H** on the keyboard.  
Scroll and locate the Sinotubular Junction.




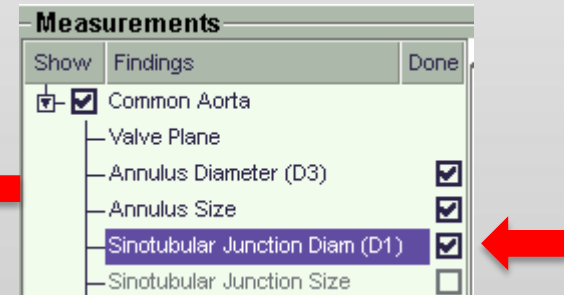
Click **Sinotubular Junction Diam.** on the Measurement list.  
**Ruler** is active by default.



**Double click** in the axial image.  
**Modify** the measurement by moving over the end point and dragging.

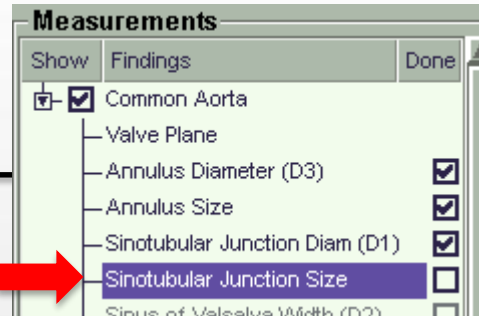


Check **Done**.  
Take a **Snapshot**. 



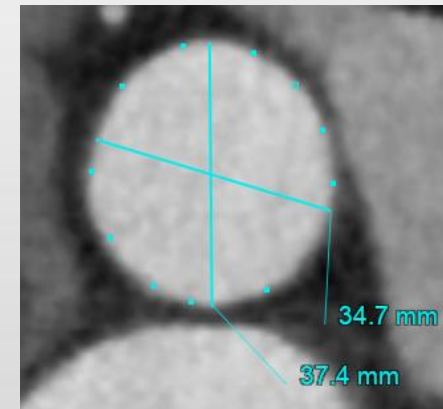
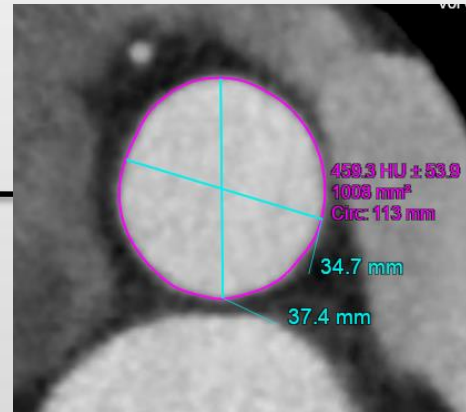
# TAVR-Measure/Modify Sinotubular Junction Size

Click **Sinotubular Junction Size** on the measurement list.  
The **ROI** tool will be active by default.



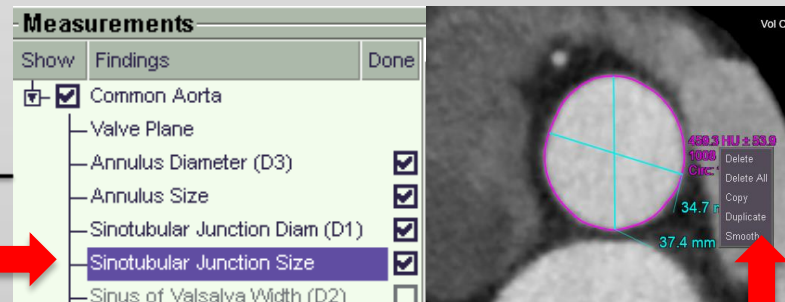
Click around the Region and plot points.  
Double click to end will apply the ROI.

**Double click** in the axial image or **plot anchor points** around the region of interest.  
Edit the size by dragging the pencil. You may **include** or **exclude** Calcium.



Check **Done**.

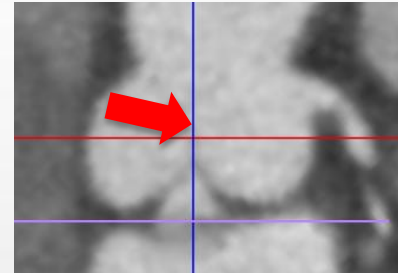
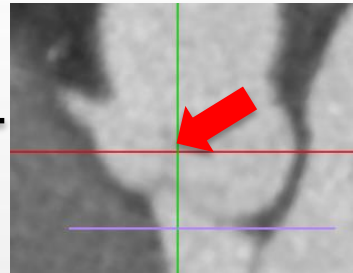
Take a **Snapshot**.



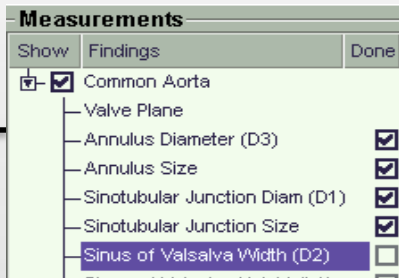
Right-click on the measurement and select **Smooth**.

# TAVR-Measure/Modify Sinus of Valsalva Width

Close crosshair by pressing **H** on the keyboard.  
Scroll and locate the Sinus of Valsalva.

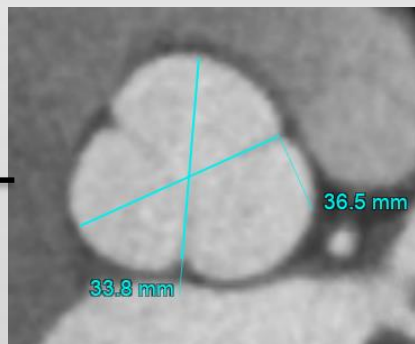


Click **Sinus of Valsalva Width** in the Measurements list.  
**Ruler** is active by default.




Reminder: Measure **below** the Coronary Arteries

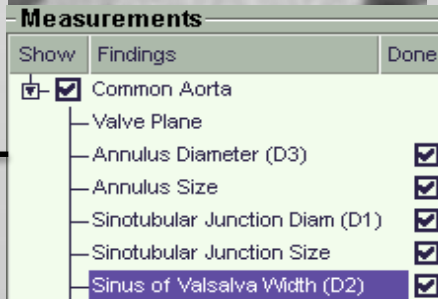
**Double click** in the axial image.  
**Edit the measurement** by moving over the end point and dragging.



Add additional measurements by selecting the ruler.

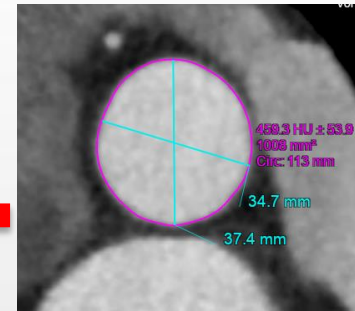
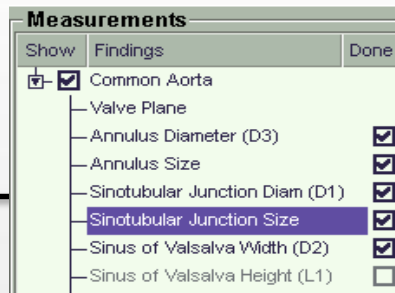


Check **Done**.  
Take a **Snapshot** . 

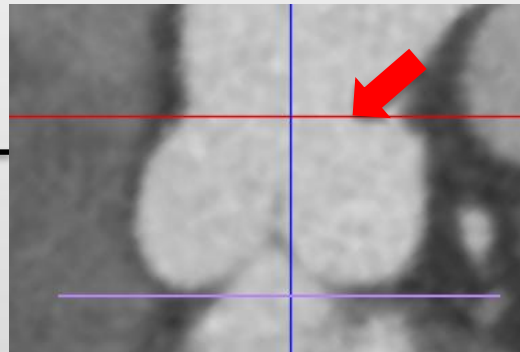


# TAVR-Measure/Modify Sinus of Valsalva Height

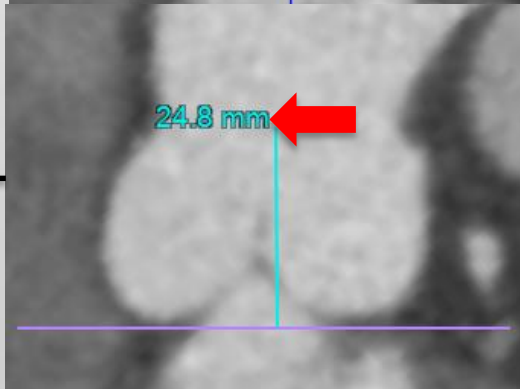
Click on the **Sinotubular Junction Size**.  
This provides alignment for the Sinus of Valsalva Height to Annulus Valve Plane.



Hold the **ALT** tab down in the plane that you want to see the crosshair.



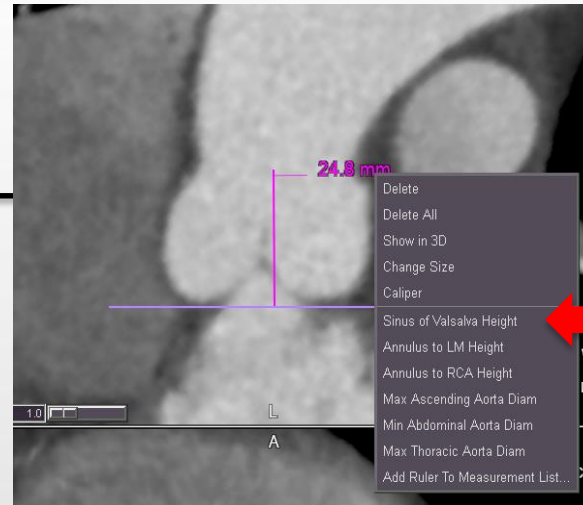
Place the mouse on the **middle** of the **crosshair**.  
Press **R** on the keyboard to **enable the ruler**.  
**Click and drag** down to the **Valve Plane**.



Do not move the mouse when placed on the crosshair.

# TAVR-Measure/Modify Sinus of Valsalva Height

Right-click on the measurement.  
Click on **Sinus of Valsalva Height**.



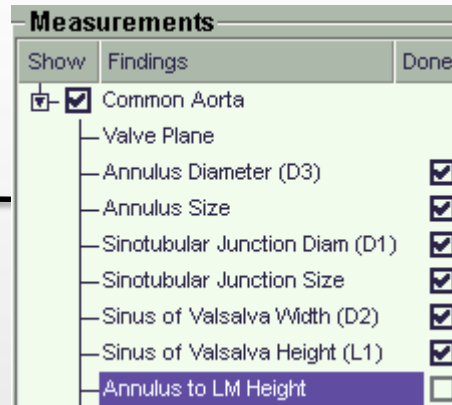
Check **Done**.  
Take a **Snapshot**.



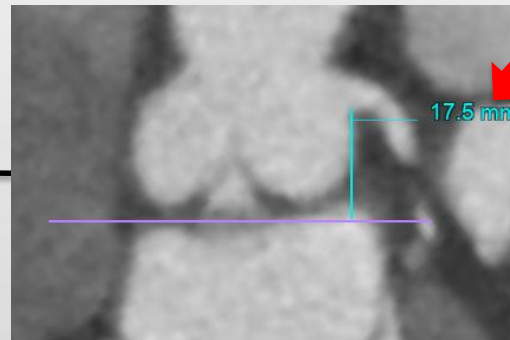
Measurements		
Show	Findings	Done
<input checked="" type="checkbox"/>	Common Aorta	
	Valve Plane	
	Annulus Diameter (D3)	<input checked="" type="checkbox"/>
	Annulus Size	<input checked="" type="checkbox"/>
	Sinotubular Junction Diam (D1)	<input checked="" type="checkbox"/>
	Sinotubular Junction Size	<input checked="" type="checkbox"/>
	Sinus of Valsalva Width (D2)	<input checked="" type="checkbox"/>
	Sinus of Valsalva Height (L1)	<input checked="" type="checkbox"/>
	Annulus to LM Height	<input type="checkbox"/>

# TAVR-Measure/Modify Annulus to LM Height

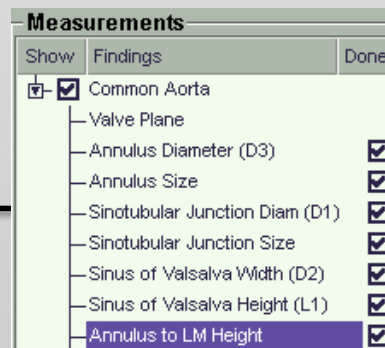
Click **Annulus to LM Height** on the measurement list. The **Ruler** will be **active by default**.



Locate the **Left Main ostia** on the coronal or sagittal view. **Click and drag down to the valve plane.** **Modify the measurement by moving over the endpoint and dragging.**

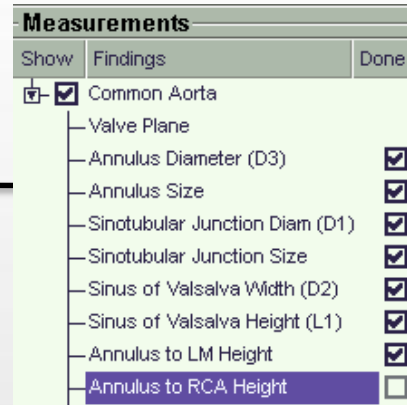


Check **Done**.  
Take a **Snapshot**. 



# TAVR-Measure/Modify Annulus to RCA Height


Click **Annulus to RCA Height** on the measurement list. The **Ruler** will be active by default.

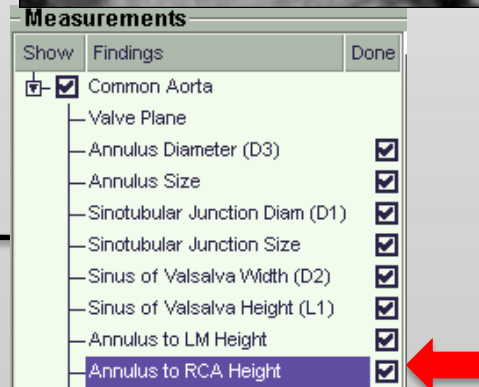


Locate the **ostia of the RCA** on the coronal or sagittal view. Click and drag down to the **valve plane**. Modify the measurement by moving over the end point and dragging.



You will need to decide if you want to draw a **straight line** or **angle** towards the valve plane.

Check **Done**.  
Take a **Snapshot**. 



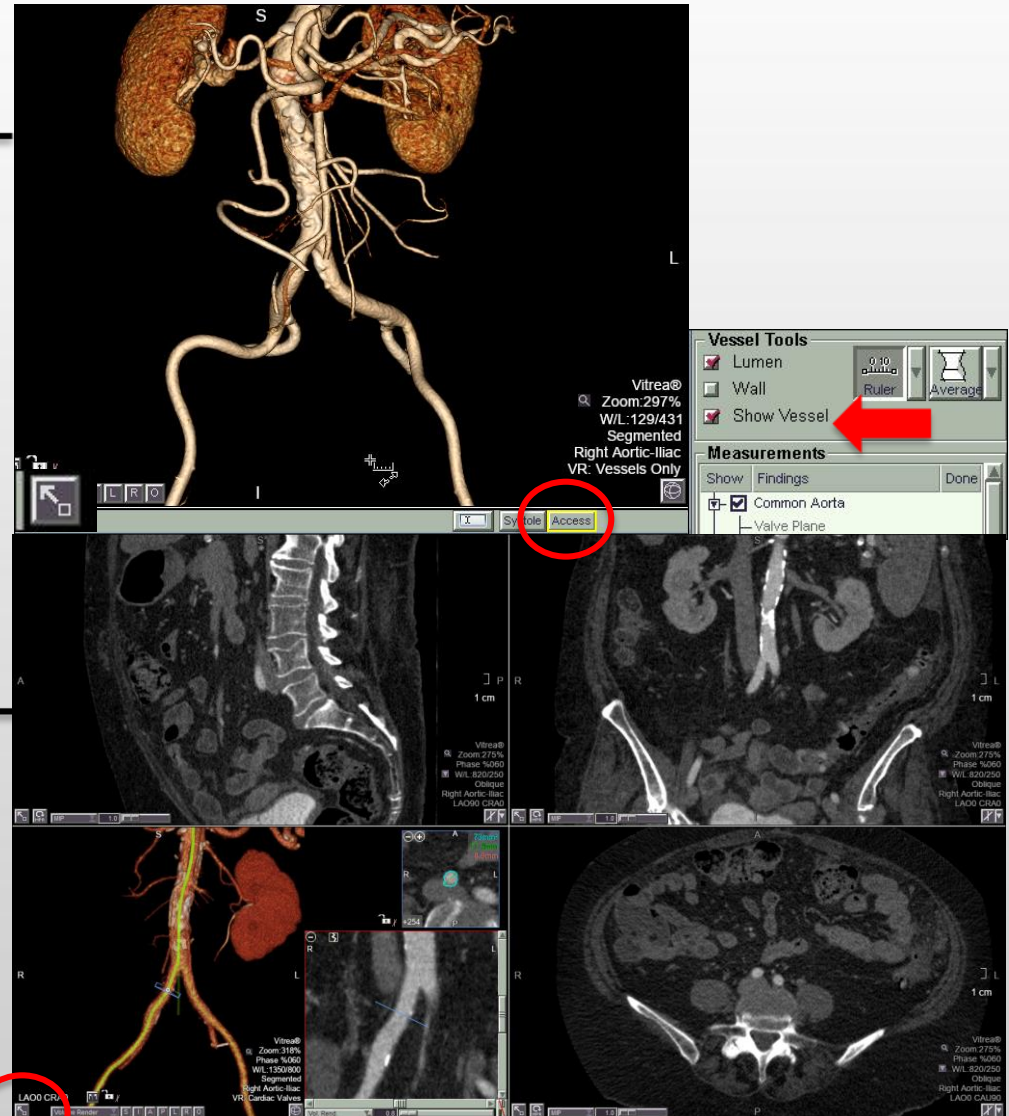
# TAVR- Aortic- Iliac Access

Click the **volume** for the aortic-iliac measurements.

Click **Show Vessel**.



Click on the **One-up** arrow to **display** the **CPR** view and **cross vessel** views larger.



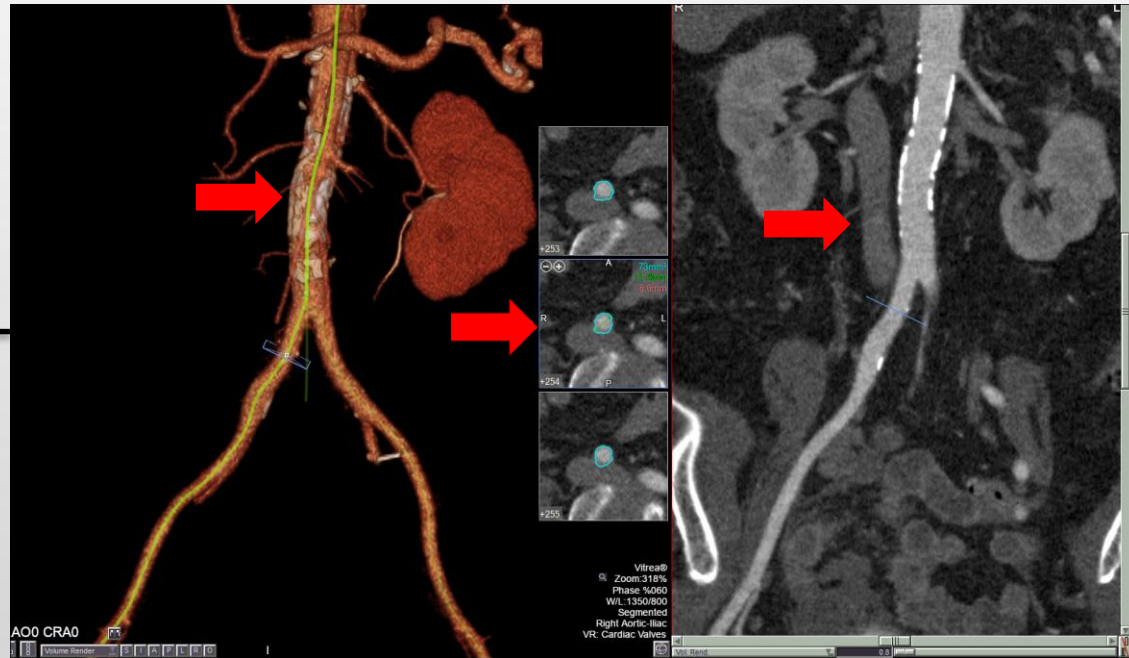


# TAVR–Auto Centerline

The software automatically:

- Removes bone
- Creates a centerline for the:
  - Common Aorta**
  - Right-Aortic Iliac**
  - Left-Aorta Iliac**

A 3D, curved planar reformatted view and a cross vessel view are displayed.

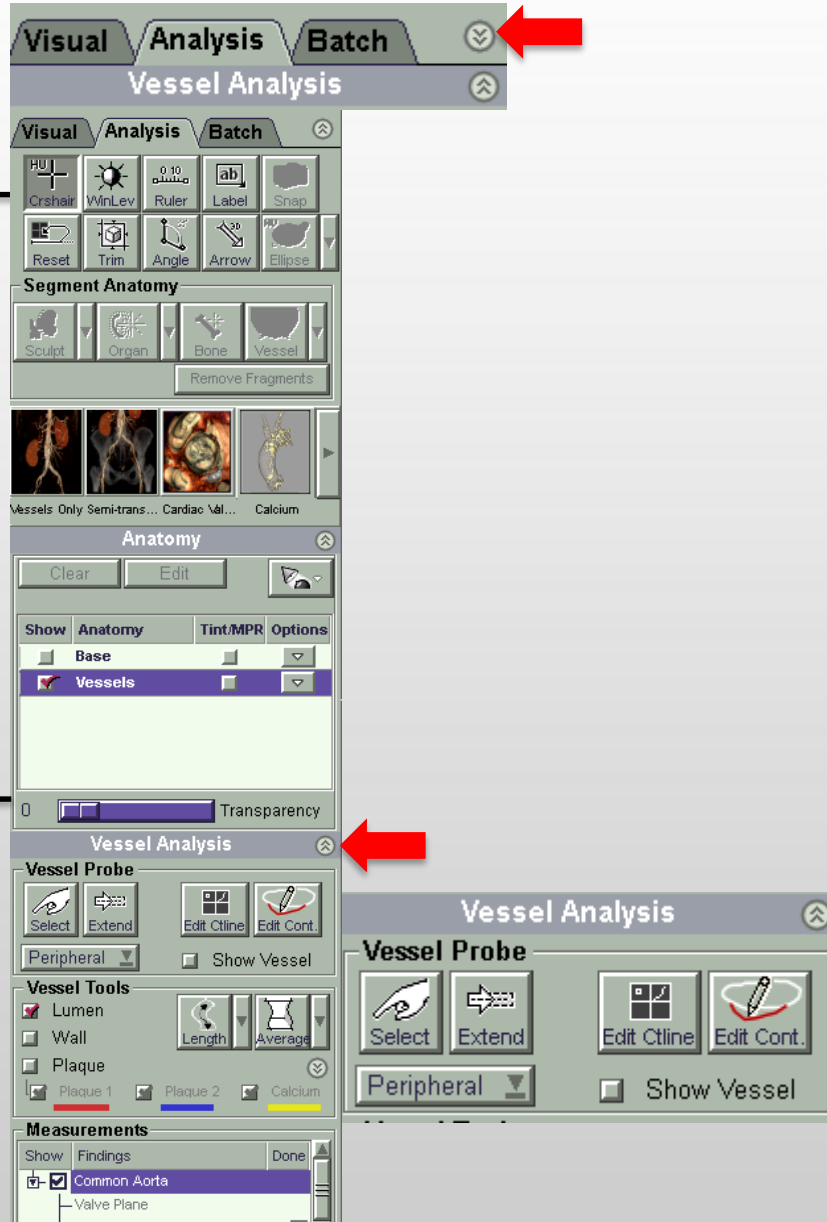


# TAVR– Vessel Analysis Functions

Click the arrow next to **Batch** to expand the work list.



**Vessel Analysis Tools** will be visible.

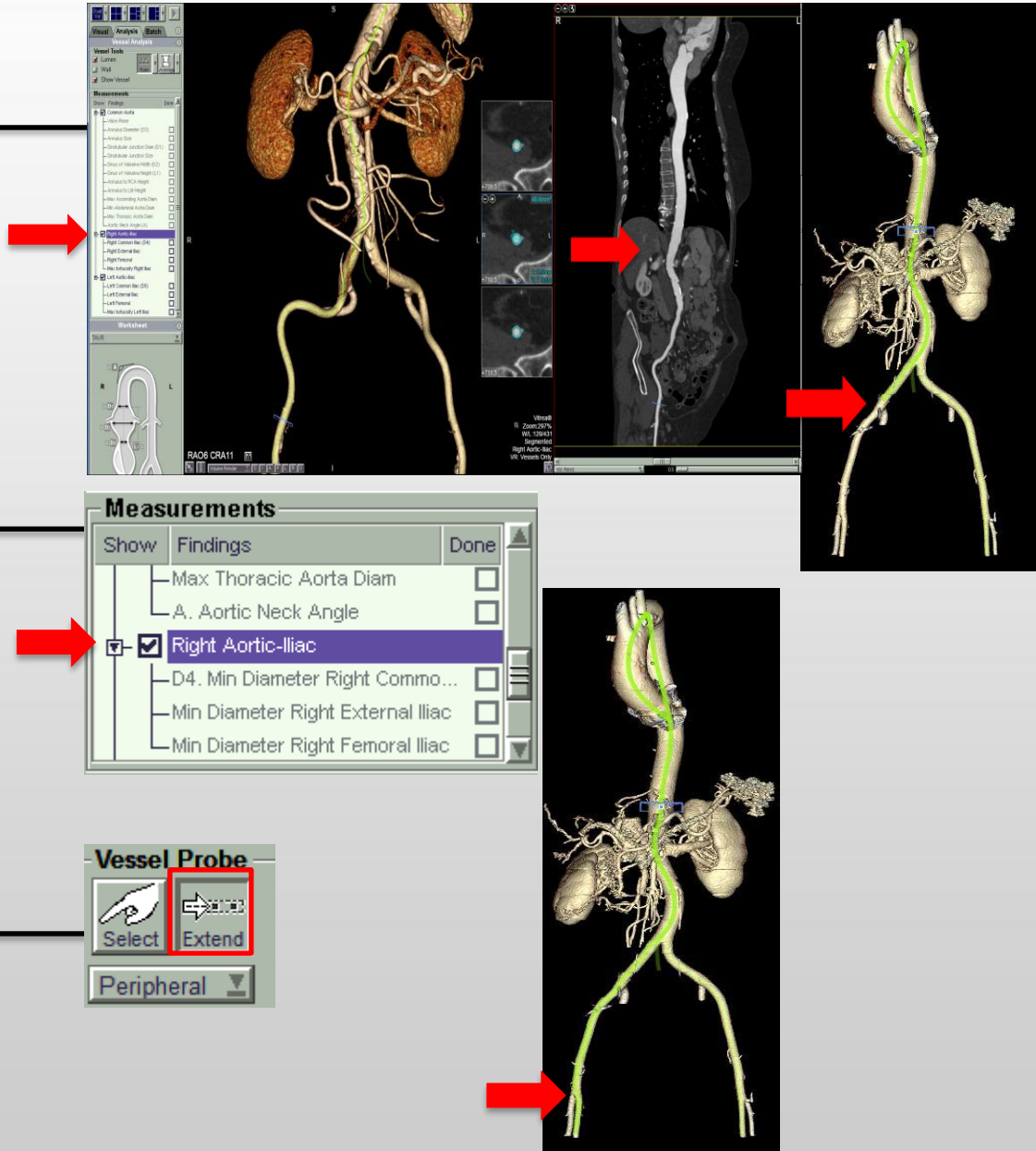


# TAVR–Vessel Extend

Review the centerline for the  
**Common Aorta, Right  
Aortic-Iliac and Left  
Aortic-Iliac.**

It may be necessary to  
**extend the vessel**  
proximal or distal.  
**Locate the measurement**  
you wish to extend.  
**Click on the name of the**  
vessel.

Click **Extend**.  
**Click inside the lumen** of  
the vessel proximal or distal  
to the end point.



# TAVR—Verify and Edit Centerline

Verify the Centerline  
for accuracy.



To edit the centerline,  
right-click on the CPR view.  
Select **Edit Centerline**.



# TAVR–Edit Centerline

Click and **deposit points** to **adjust the centerline**.

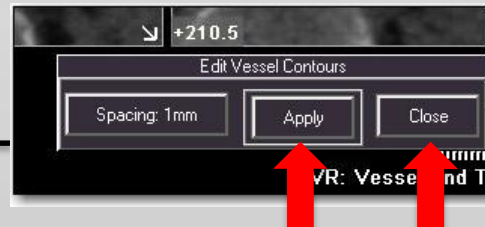
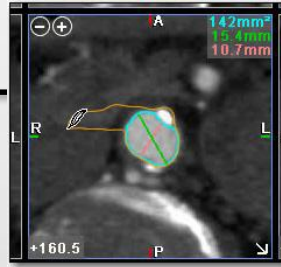
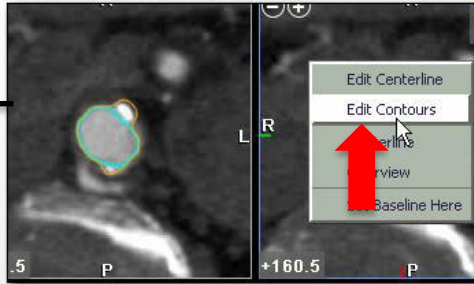
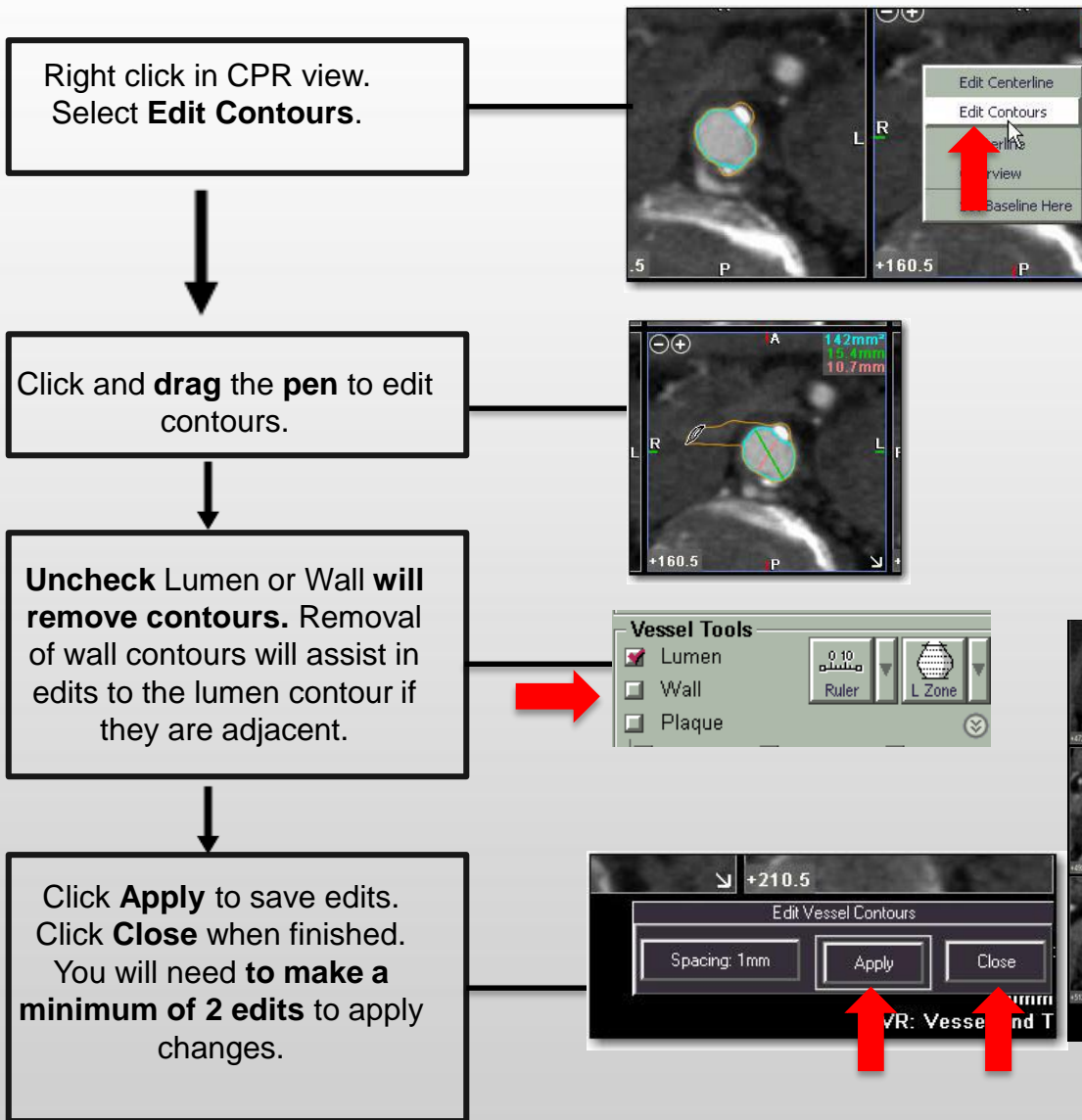


Click **Apply** when complete.  
Click **Close** to end.

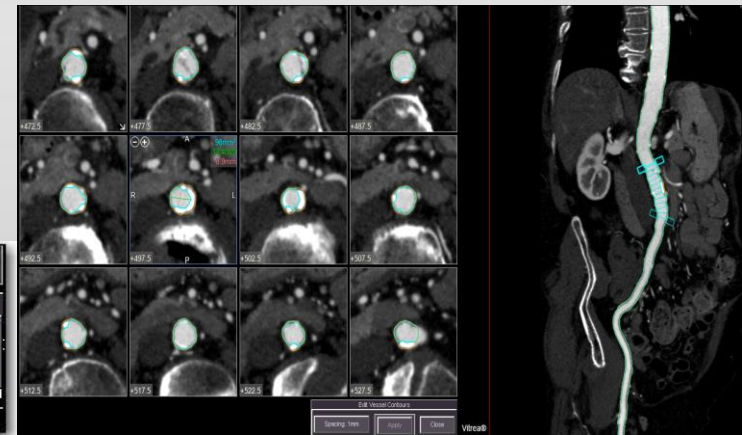


**Red** line shows edited centerline.  
**Green** line shows current centerline.

# TAVR–Edit Contour



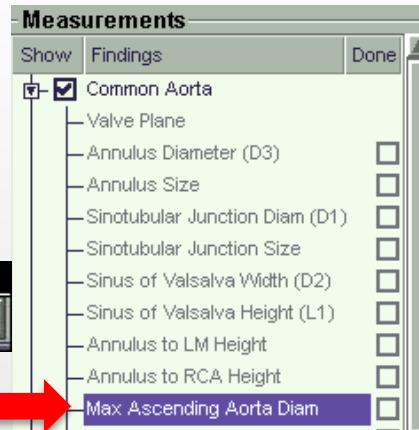
Edits to contours on every slice is not necessary. The software will interpolate between slices.



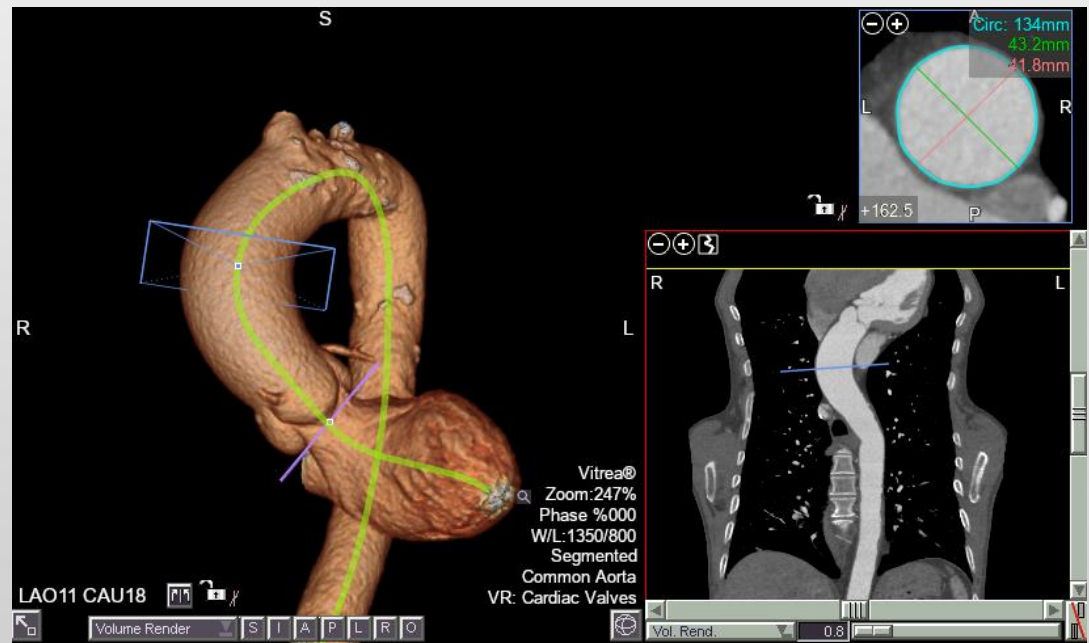
# TAVR-Measure/Modify Maximum Ascending Aorta Diameter

Click on the **volume** which shows the ascending aorta.


Click  
**Max Ascending  
Aorta Diam.** on the  
Measurements list.



The measurements which are checked as **Done** are saved in the volume selected.



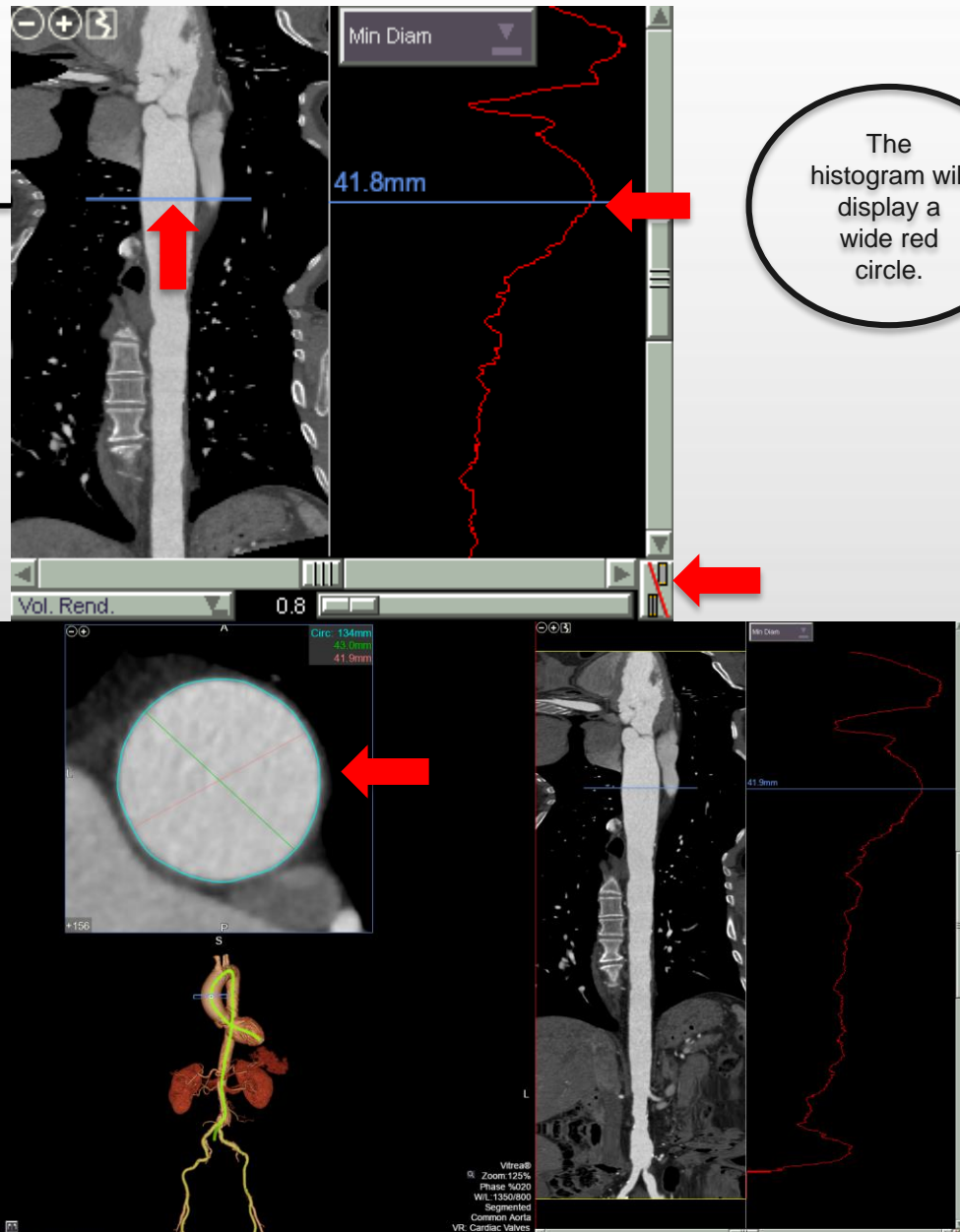
# TAVR-Measure/Modify Maximum Ascending Aorta Diameter

Click  to change the **display mode** of the vessel to a **straight vessel view**.



Click and **hold the mouse** on the **blue slider**. Move the **blue slider** up and down. The **axial ROI view will update** the measurement.

**Locate the maximum measurement** for the **Ascending Aorta** in the ROI box.



The histogram will display a wide red circle.

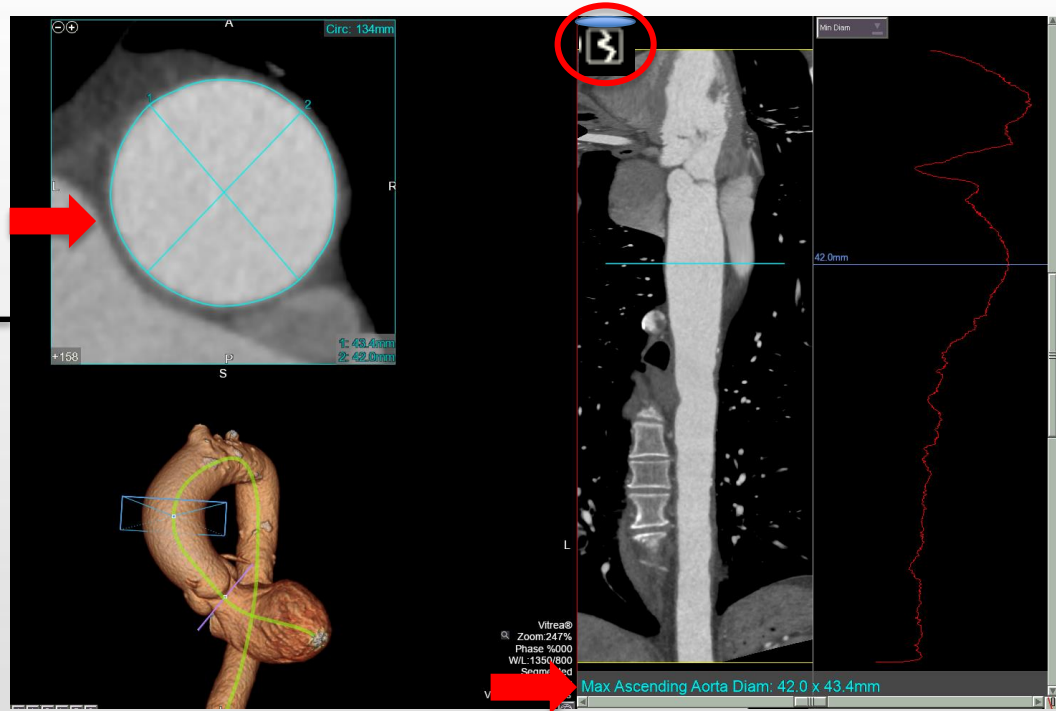


# TAVR-Measure/Modify Maximum Ascending Aorta Diameter

Ruler is activated when selecting Measurement.

Double click in the axial ROI box.  
The measurement is displayed in the ROI box.

Adjust and modify the measurement by moving over the end point and dragging.



Check Done.

Take a Snapshot.



Measurements		
Show	Findings	Done
<input checked="" type="checkbox"/>	Common Aorta	
<input type="checkbox"/>	Valve Plane	
<input type="checkbox"/>	Annulus Diameter (D3)	<input type="checkbox"/>
<input type="checkbox"/>	Annulus Size	<input type="checkbox"/>
<input type="checkbox"/>	Sinotubular Junction Diam (D1)	<input type="checkbox"/>
<input type="checkbox"/>	Sinotubular Junction Size	<input type="checkbox"/>
<input type="checkbox"/>	Sinus of Valsalva Width (D2)	<input type="checkbox"/>
<input type="checkbox"/>	Sinus of Valsalva Height (L1)	<input type="checkbox"/>
<input type="checkbox"/>	Annulus to LM Height	<input type="checkbox"/>
<input type="checkbox"/>	Annulus to RCA Height	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Max Ascending Aorta Diam	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Min Abdominal Aorta Diam	<input type="checkbox"/>
<input type="checkbox"/>	Max Thoracic Aorta Diam	<input type="checkbox"/>
<input type="checkbox"/>	Aortic Neck Angle (A)	<input type="checkbox"/>

Click on the Zoom tool to view the entire vessel.

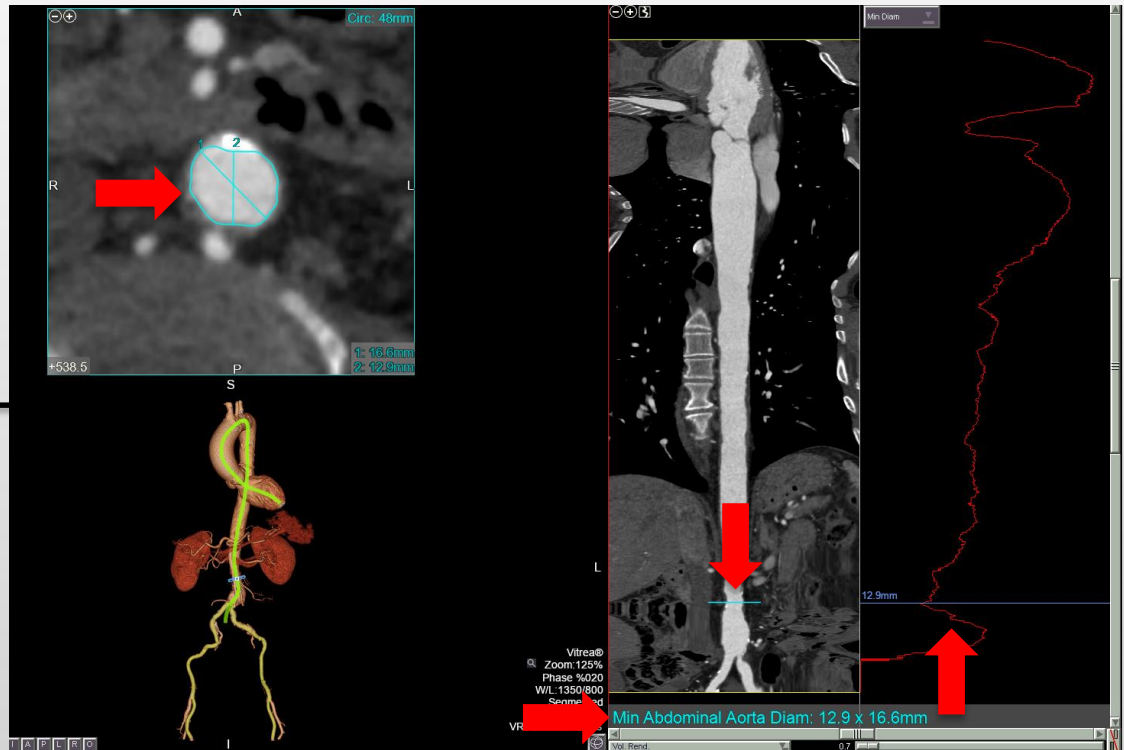
# TAVR-Measure/Modify Minimum Abdominal Aorta Diameter

Click **Min Abdominal Aorta Diam** on the Measurement list.  
The ruler is automatically activated.



Click and **hold the mouse on the blue slider**.  
**Move the blue slider up and down**.  
The **axial ROI view will update** the measurement.

Locate the **minimum measurement for Ascending Aorta in the ROI box**.



Check **Done**.

Take a **Snapshot**.



The histogram will display a small red curve.

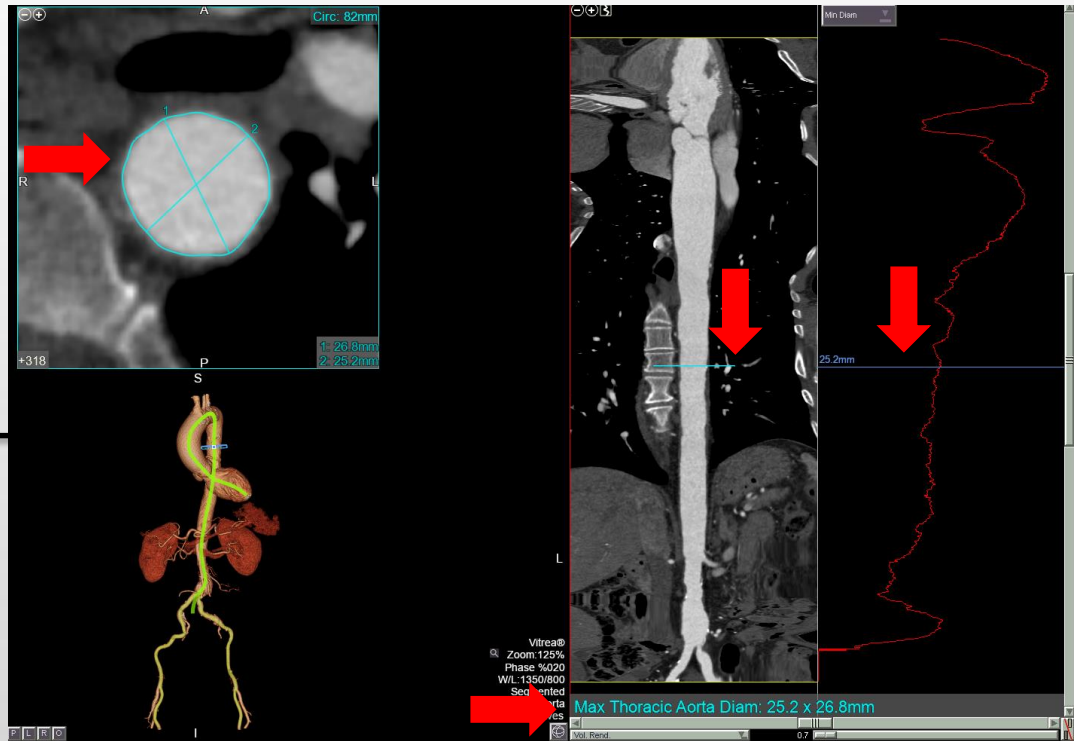
# TAVR-Measure/Modify Maximum Thoracic Aorta Diameter

Click **Max Thoracic Aorta Diam** on the findings list.  
The ruler is automatically activated.



Click and **hold the mouse on the blue slider**.  
**Move the blue slider up and down**.  
The **axial ROI view will update** the measurement.

Locate the **maximum** measurement for the Max Thoracic Aorta Diameter **in the ROI box**.



Check **Done**.

Take a **Snapshot**.



The histogram will display a wide red circle.

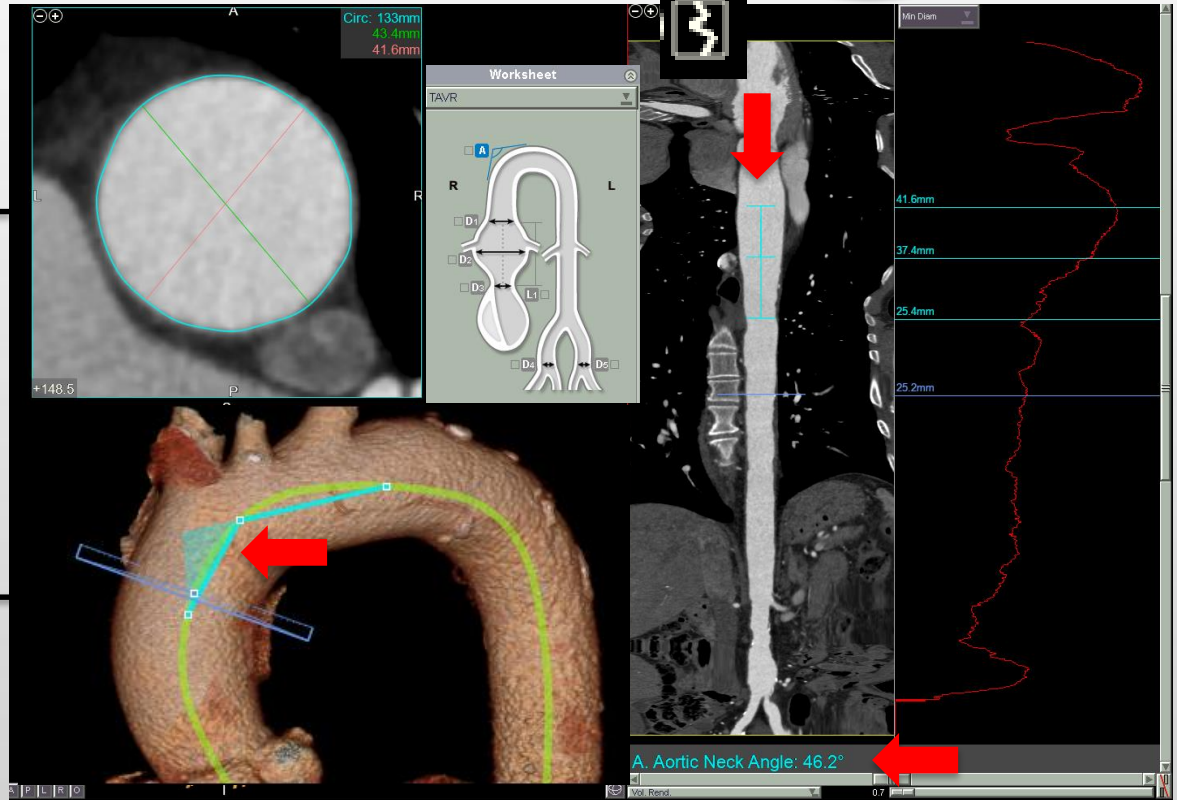
# TAVR-Measure/Modify Aortic Neck Angle

Click **Aortic Neck Angle** on the findings list. **Angle tool** is active by default.




Zoom tool is located on the CPR view.

Click to **deposit** the **first** point in the **straightened** CPR view.  
**Review the angle** in the 3D image and **make adjustments on the CPR vessel** by dragging the line up and down.



Move to **second angle** on the CPR vessel **and click**. Move to **end point** on the CPR vessel **and click**.

Check **Done**.  
Take a **Snapshot**. 



Aortic Neck Angle is displayed.

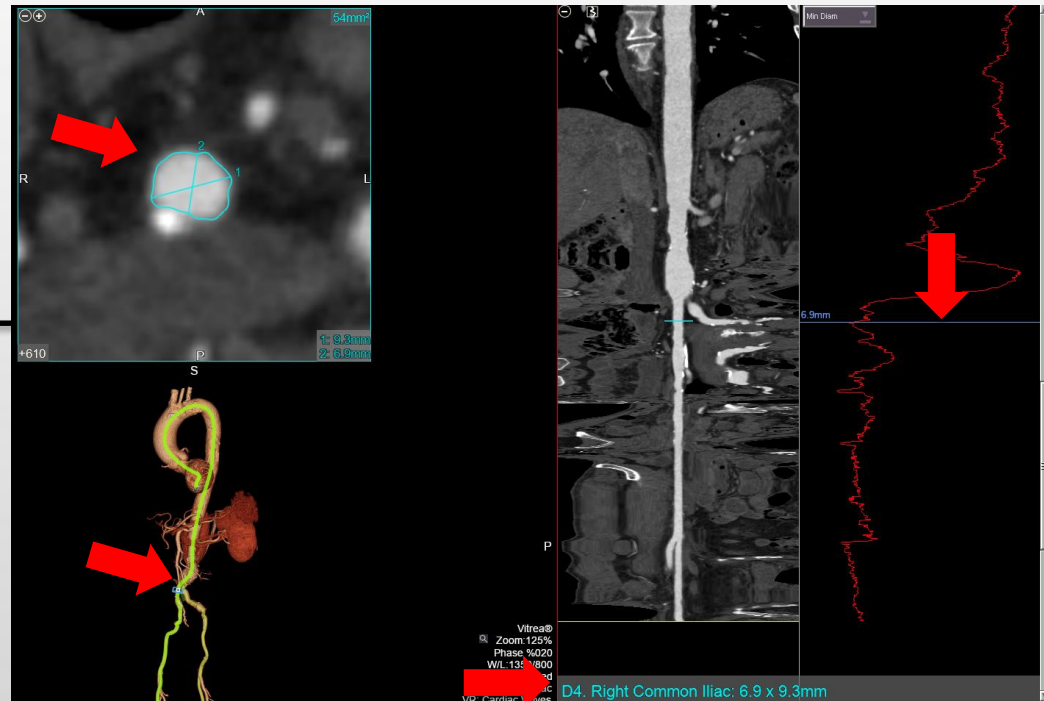
# TAVR-Right and Left Common Iliac

Click the **Right Common Iliac**. Ruler will be active by default.



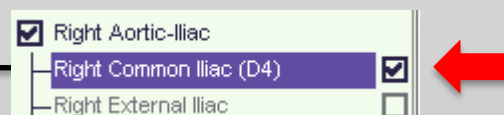
Click and **hold the mouse** on the **blue slider**.  
**Move** the blue slider **up and down**.  
The **axial ROI view** will **update** the measurement.

Locate the **minimum measurement** for Right and Left Common Iliac.



Check **Done**.

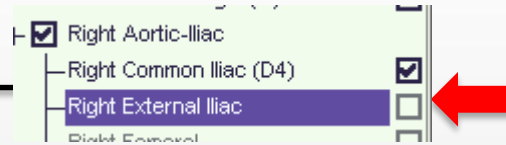
Take a **Snapshot**.



Repeat for the **Left Common Iliac**.

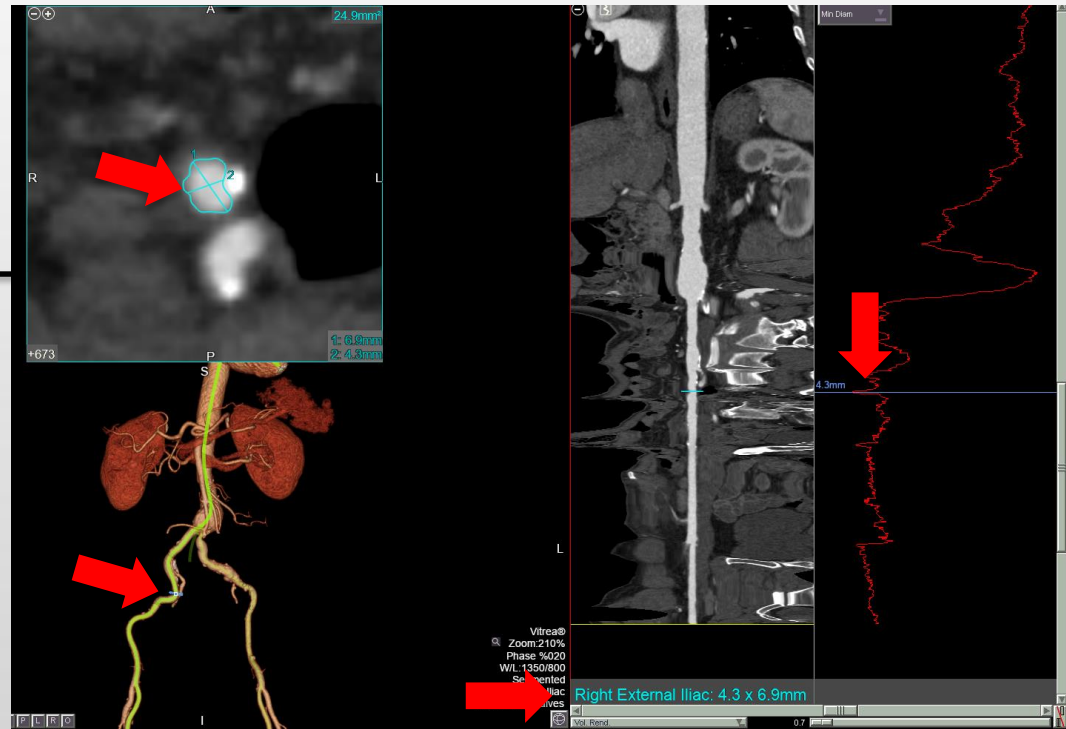
# TAVR-Right and Left External Iliac

Click the **Right External Iliac**.  
Ruler will be active by default.



Click and **hold** the **mouse**  
**on the blue slider**.  
**Move the slider up and**  
**down**.  
The **axial ROI view** will  
**update** the measurement.

**Locate the diameter**  
**measurement** for Right or  
Left External Iliac in the **ROI**  
**box**.



Check **Done**.

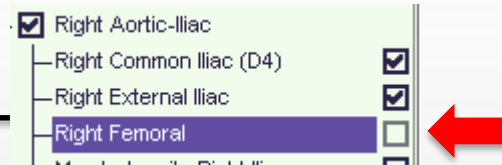
Take a **Snapshot**.



Repeat for the **Left External Iliac**.

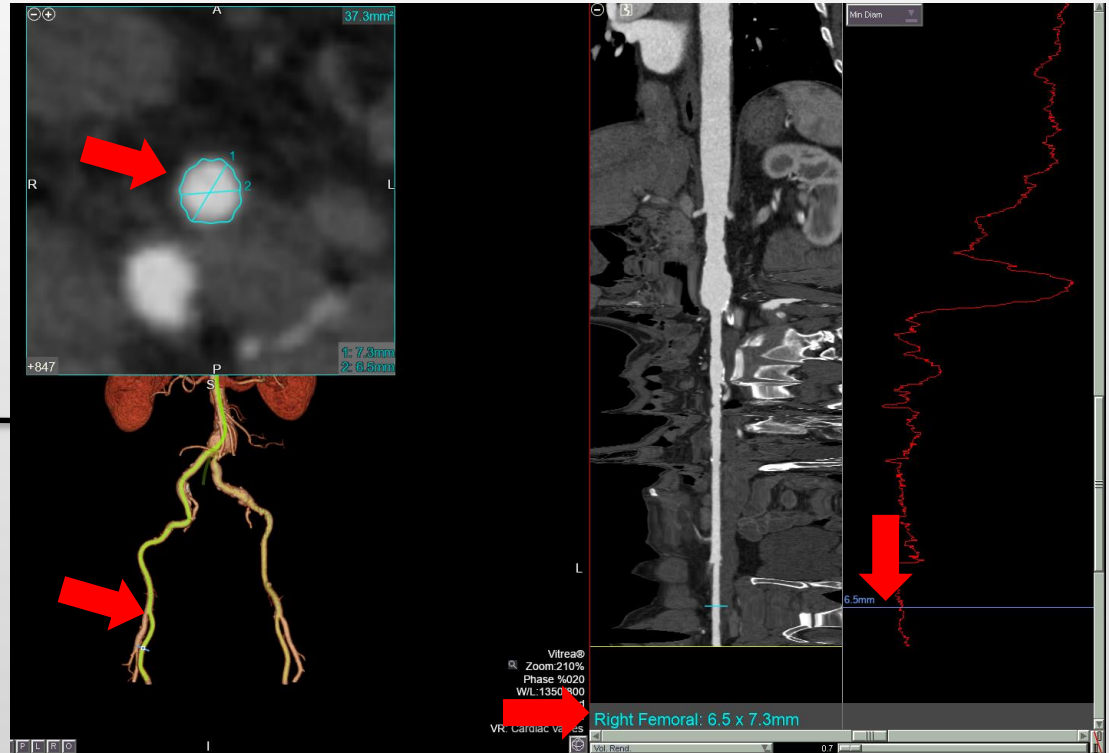
# TAVR-Right and Left Femoral

Click the **Right Femoral**.  
Ruler will be active by default.



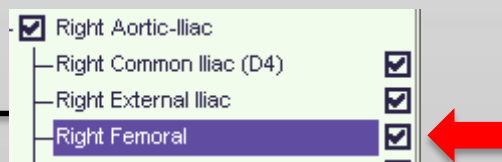
Click and **hold** the mouse on the **blue slider**.  
Move the slider **up and down**.  
The **axial ROI view** will **update** the measurement.

Locate the **diameter measurement** for Right or Left femoral artery in the ROI box.



Check **Done**.

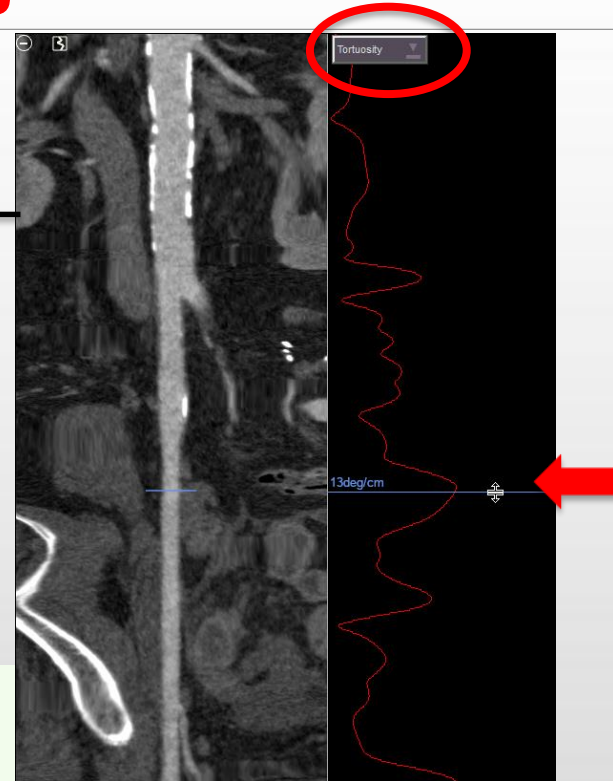
Take a **Snapshot**.



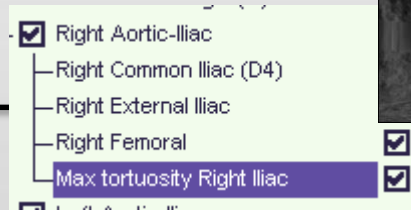
Repeat for the **Left Femoral**.

# TAVR- Max tortuosity Right Iliac

Select **Tortuosity** from the **dropdown menu** on the straightened view. Drag the **blue slider** to the maximum tortuosity of the vessel.



Click **Max tortuosity Right Iliac**.



**Tortuosity** is automatically calculated and **only** located in the **Report**.

Repeat for the **Left Iliac**.



# TAVR- Add New Measurements

To add a new measurement to the list click the **Ruler** or **ROI**.  
Create a measurement.  
**Add Ruler** to Measurement List.



Enter **Name** for Measurement.  
**Select OK.**

**Name Measurement**

Enter Name for Measurement:

ascending aorta

OK Cancel

The **new measurement** will be located on Measurements and in the **Report**.  
Check **Done**.  
Take a **Snapshot**.



**Measurements**

Show	Findings	Done
<input checked="" type="checkbox"/>	Common Aorta	
<input type="checkbox"/>	Valve Plane	
<input type="checkbox"/>	Annulus Diameter (D3)	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Annulus Size	<input type="checkbox"/>
<input type="checkbox"/>	Sinotubular Junction Diam (D1)	<input type="checkbox"/>
<input type="checkbox"/>	Sinotubular Junction Size	<input type="checkbox"/>
<input type="checkbox"/>	Sinus of Valsalva Width (D2)	<input type="checkbox"/>
<input type="checkbox"/>	Sinus of Valsalva Height (L1)	<input type="checkbox"/>
<input type="checkbox"/>	Annulus to LM Height	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Annulus to RCA Height	<input type="checkbox"/>
<input type="checkbox"/>	Max. Ascending Aorta Diam	<input type="checkbox"/>
<input type="checkbox"/>	Min Abdominal Aorta Diam	<input type="checkbox"/>
<input type="checkbox"/>	Max Thoracic Aorta Diam	<input type="checkbox"/>
<input type="checkbox"/>	Aortic Neck Angle (A)	<input type="checkbox"/>
<input type="checkbox"/>	ascending aorta	<input type="checkbox"/>

Description	Value	Type	Series ID
Annulus Diameter	29.8 x 24.8 mm	MPR Ruler	Vol. 3
Annulus Size (Area)	582 mm <sup>2</sup>	Area	Vol. 3
Annulus Size (Circumference)	92 mm	Circumference	Vol. 3
Annulus to LM Height	6.4 mm	MPR Ruler	Vol. 3
Annulus to RCA Height	7.1 mm	MPR Ruler	Vol. 3
ascending aorta	29.2 mm	MPR Ruler	Vol. 3

Copy To Clipboard (CSV)    Copy To Clipboard (Tabbed)

# TAVR-Diameter Threshold

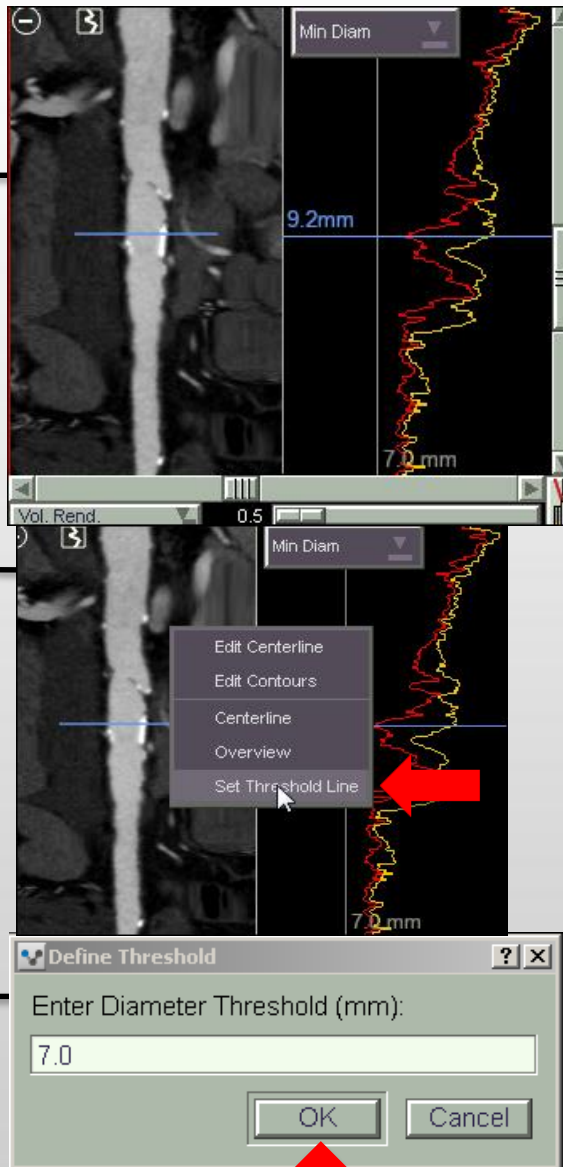
Drag the blue line to look at the **minimum diameters** of the vessels.



To enter a desired threshold. **Right-click** the inset view.  
Click **Set Threshold Line**.



Enter the **Diameter Threshold**.  
Click **OK**.



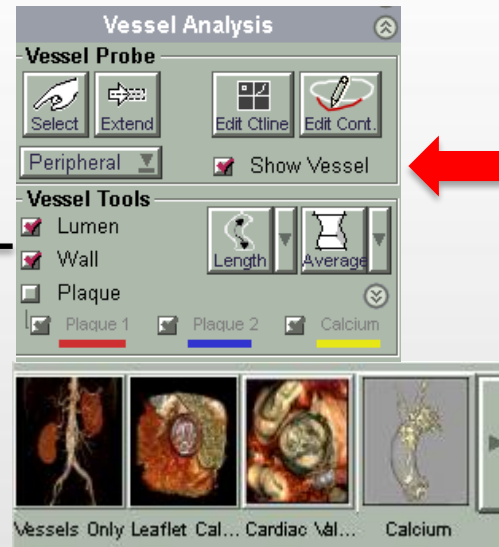
Set the threshold line to a minimum diameter. This provides a visual account of the diameter of the vessel lumen for catheter placement.

# TAVR- Aortic Calcium View

Uncheck **Show Vessel**.

Click on **Win/Lev**.  
The crosshair is removed  
from the image.

Select Preset **Calcium**.

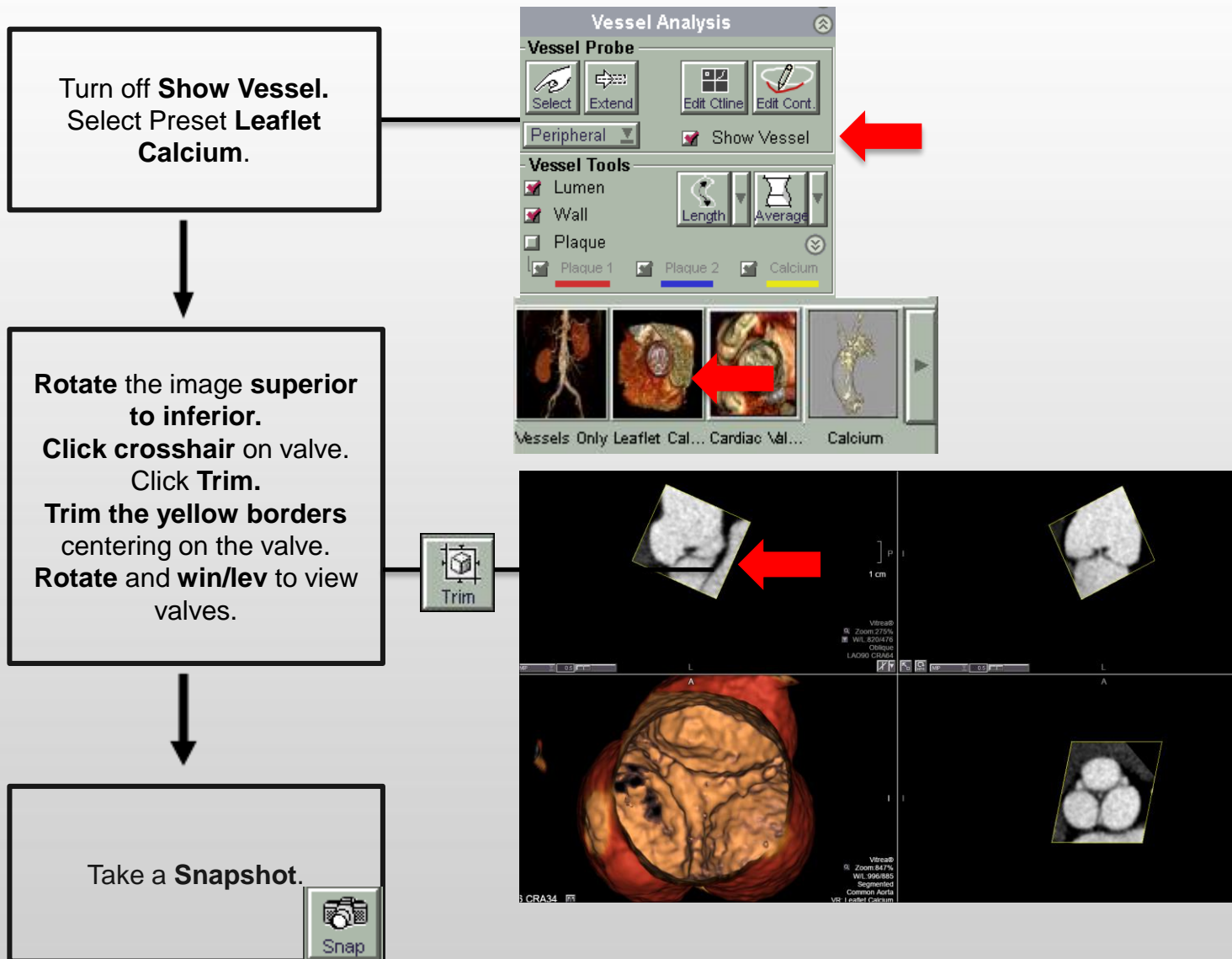


**Batch the series.**  
AP and Oblique views are  
helpful.

Take a **Snapshot**.

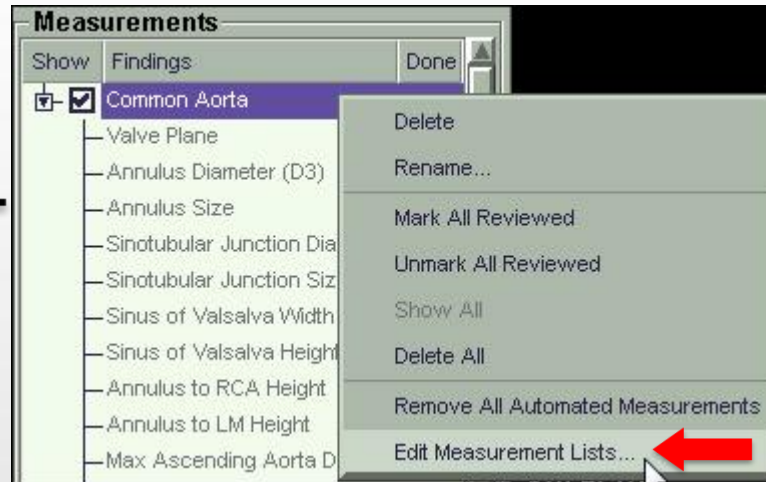


# TAVR- Leaflet Calcium View

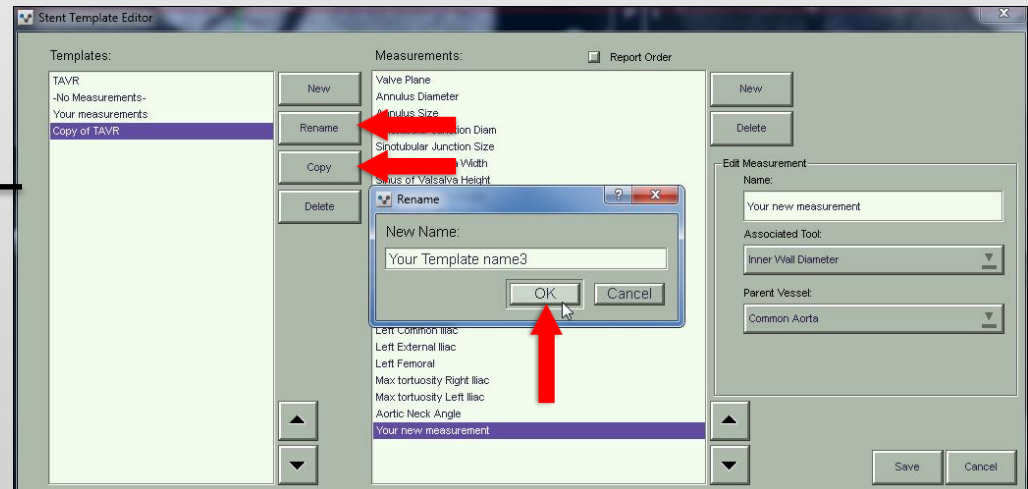


# Modify/Create New Template

Right click on any measurement.  
Select **Edit Measurement Lists**.



Copy current Template.  
Rename the Template.  
Select **OK**.



# Modify/Create New Template

Select **New**.  
Name your measurement.

Select the **Associated Tool**.  
Select the **Parent Vessel**.

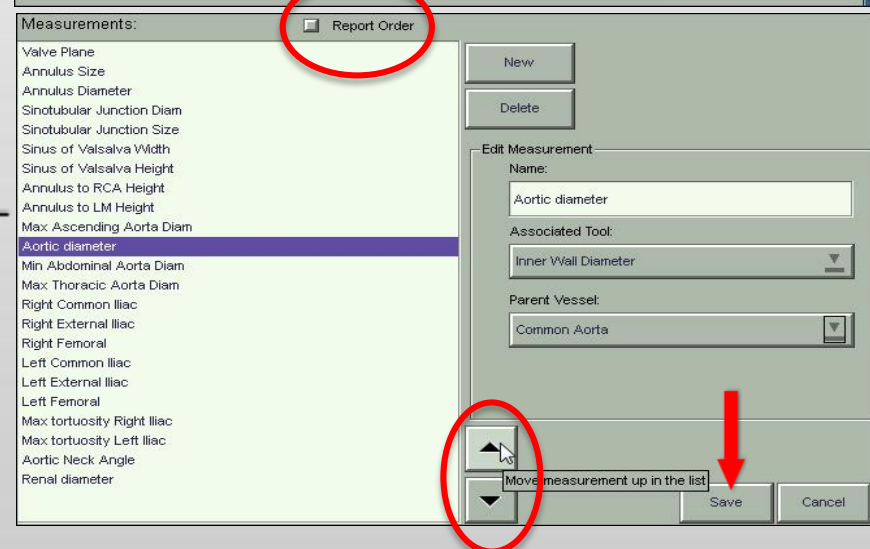
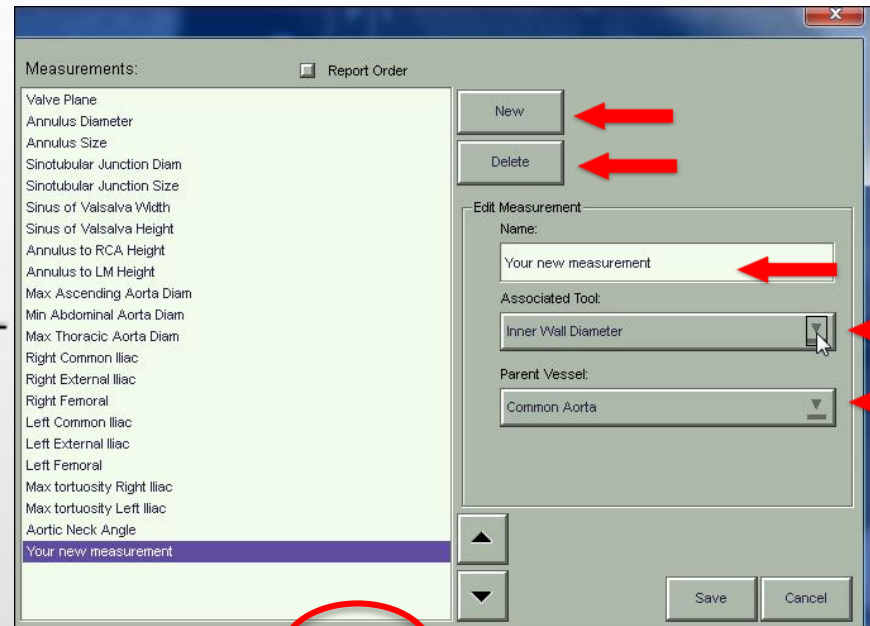
**Delete** any measurements you do not want to keep.



Click the **up** and **down** arrows to **rearrange the order** of the measurements.

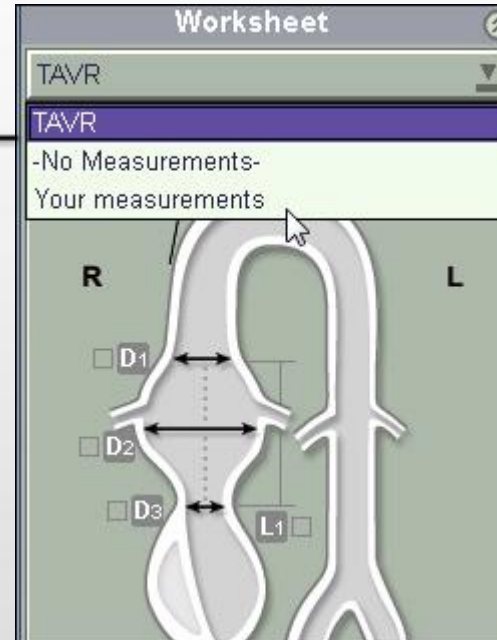
Click the **Report Order** box to **rearrange the order** of the measurements in the Report.

Select **Save**.

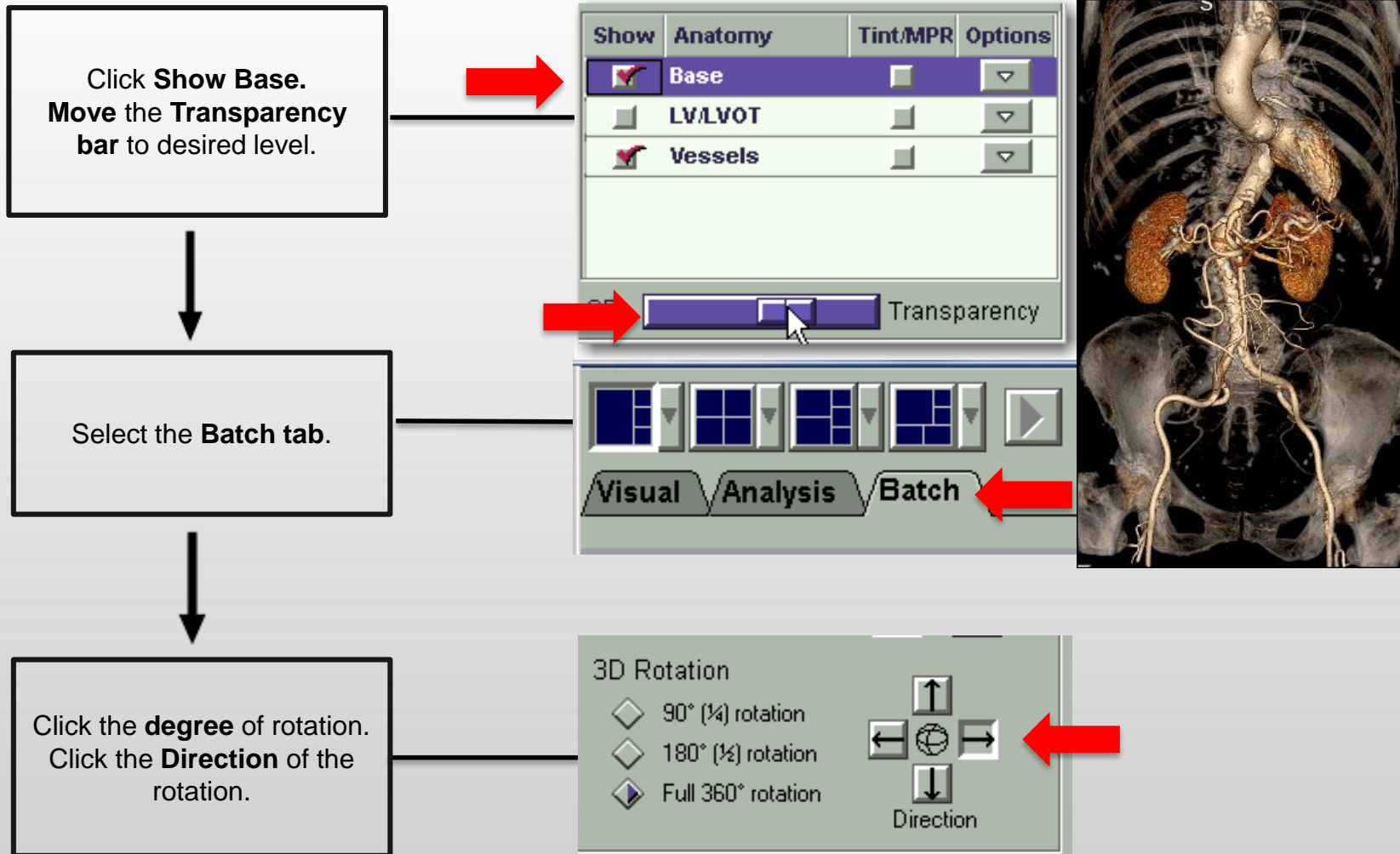


# Modify/Create New Template

**Modified template** is located under the **templates menu**.



# TAVR- Semi Transparent Batch Rotation





# TAVR- Semi Transparent Batch Rotation

Type the name in the **Series Description**.  
Click **Batch** for PACS.  
Click **Movie** for an avi.file for presentations.



Choose **More Options** to  
**Modify Batch** settings.

Series description

Show cover image with label:

Show Patient Info

Force Secondary Capture

Batch Settings

Size Movie Curved MPR

Batch Output Size - 3D

Square 512 X 512

Size of Viewport 512 X 512

Custom 512 X 512

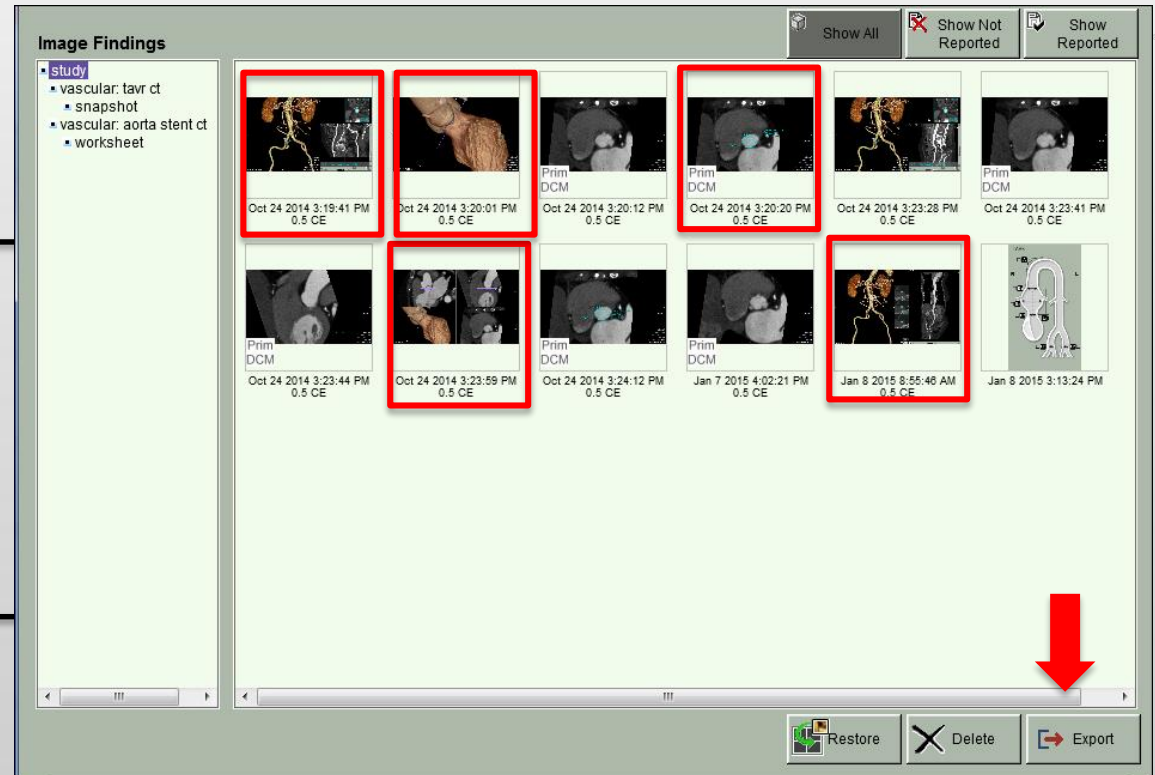
Save Settings as default

# TAVR-Distribute Findings/ Report Page

Click **Report**.



Hold down the **CTRL** Key and **highlight** selected **images** or **batches**.  
Click **Export**.



Choose Destination.  
Click **Export**.

# TAVR-Distribute Findings/Report Template

To Export the TAVR Template, click on Export Report.



Choose Destination. Click Export.

The screenshot displays a medical software interface for TAVR. On the left, there are anatomical diagrams of the aorta and iliac arteries with measurement points labeled A, D1, D2, D3, L1, D4, and D5. On the right, a table titled 'TEMPLATE: TAVR' lists various measurements and their values as of 08 May 2012.

Ref	Type	Description	08 May 2012
D3	Diameter (mm)	Annulus Diameter	30.5 / 36.2
-	Area (mm <sup>2</sup> )	Annulus Size	993
-	Circumference (mm)	Annulus Size	115
D1	Diameter (mm)	Sinotubular Junction Diameter	29.8 / 32.1
-	Area (mm <sup>2</sup> )	Sinotubular Junction Size	772
-	Circumference (mm)	Sinotubular Junction Size	105
D2	Diameter (mm)	Sinus of Valsalva Width	33.0 / 40.3
L1	Length (mm)	Sinus of Valsalva Height	19.0
-	Length (mm)	Annulus to LM Height	6.5
-	Length (mm)	Annulus to RCA Height	10.5
-	Diameter (mm)	Max Ascending Aorta Diam	18.8 / 31.6
-	MPR Ruler (mm)	Min Abdominal Aorta Diam	12.4 / 14.5
-	Diameter (mm)	Max Thoracic Aorta Diam	18.8 / 29.3
D4	Diameter (mm)	Min Diameter Right Common Iliac	7.0 / 8.5
-	Diameter (mm)	Min Diameter Right External Iliac	7.2 / 8.2
-	Diameter (mm)	Min Diameter Right Femoral Iliac	7.0 / 8.4
D5	Diameter (mm)	Min Diameter Left Common Iliac	13.4 / 17.9
-	Diameter (mm)	Min Diameter Left External Iliac	13.1 / 18.3
-	Diameter (mm)	Min Diameter Left Femoral Iliac	13.3 / 18.0
A	Angle (degrees)	Aortic Neck Angle	103.0

Below the table are buttons for 'Copy to Clipboard (CSV)' and 'Copy to Clipboard (Tabbed)'. At the bottom of the interface is a toolbar with icons for Save, Restore, Select, Label, Arrow, Page, Image, Undo, and Redo. A red arrow points to the 'Export Report' button in the toolbar, which has a tooltip that reads 'Click to export report to any networked PACS.' Below the toolbar is a dialog box titled 'Export Report to DICOM Server' with a list of destinations (currently showing 'Mevis'), a text field for 'Series Options' containing 'CT - CT ANGIO CHEST W WO CONT', and 'Export' and 'Cancel' buttons. A red arrow points to the 'Export' button in this dialog box.

# Notes:

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