

AutoBone™ Xpress - VessellQ™ Xpress

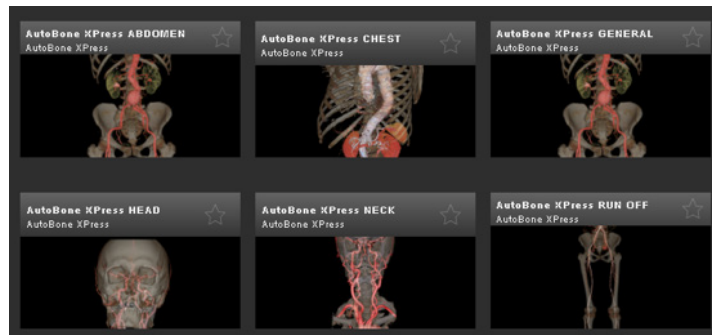
VolumeShare 7 • Quick Reference Guide

AutoBone Xpress and VessellQ Xpress both work together to offer an optimized CT angiography review solution.

AutoBone Xpress is dedicated to the automatic segmentation of bones using CT angiography data (head/neck and chest/abdomen/pelvis/extremities).

VessellQ Xpress automatic visualization tools and features are designed to support the physician in the assessment of vascular structures. Once vessels are visualized, tools are available for sizing the vessel measure areas of abnormalities within a vessel, pre/post stent planning, and directional vessel tortuosity.

Load the CTA series in **AutoBone** and select the corresponding anatomy (Head, Neck, Chest, Abdomen, Run Off).

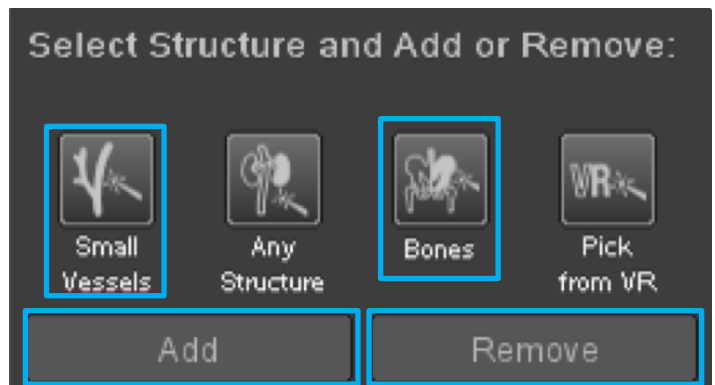


Reconstruction

The software removes bone automatically.

To edit that removal:

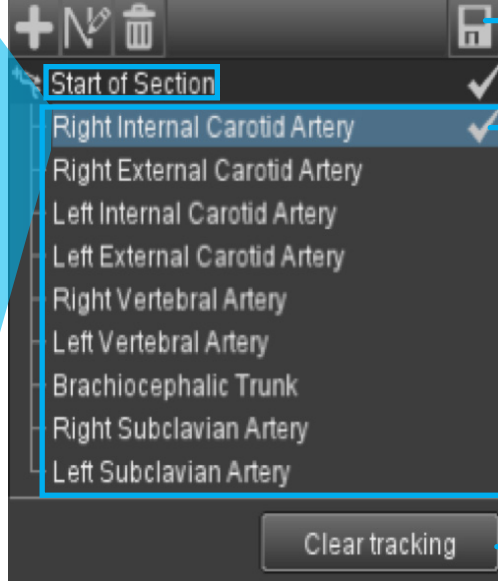
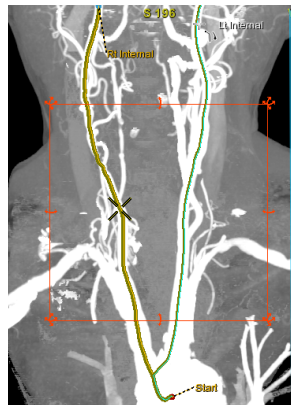
1. Select **Small Vessels/Bones**, and then select **Add** or **Remove**.
2. **Left click** on vessel or bone and **hold** until vessel reconstruction or bone removal is complete.
3. To undo last actions, use the **Undo** button.



Vessels Analysis

- Go to the corresponding vessels **Analysis** step Carotids Analysis
- Define a **Start of Section** (e.g. Aorta) by clicking on the images. That **Start of Section** will be shared by all vessels in the analysis.
- Then click on the corresponding vessel to track it.

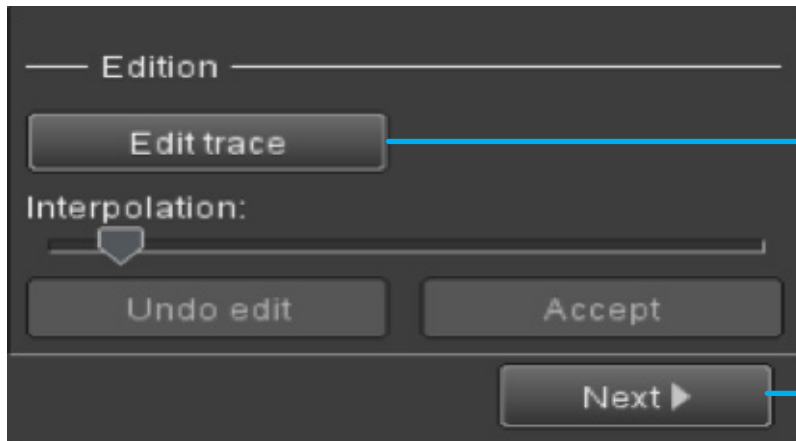
Note: Only select vessels you want to track.



Save new vascular protocol.

Uncheck to clear **corresponding vessel's trace**.

Click to clear **all** traces.



If needed, edit tracking using the **Edition** mode.

Then click **Next**.

Vascular Measurements

1. Select **Stenosis**  or the **Aneurysm**  tool.

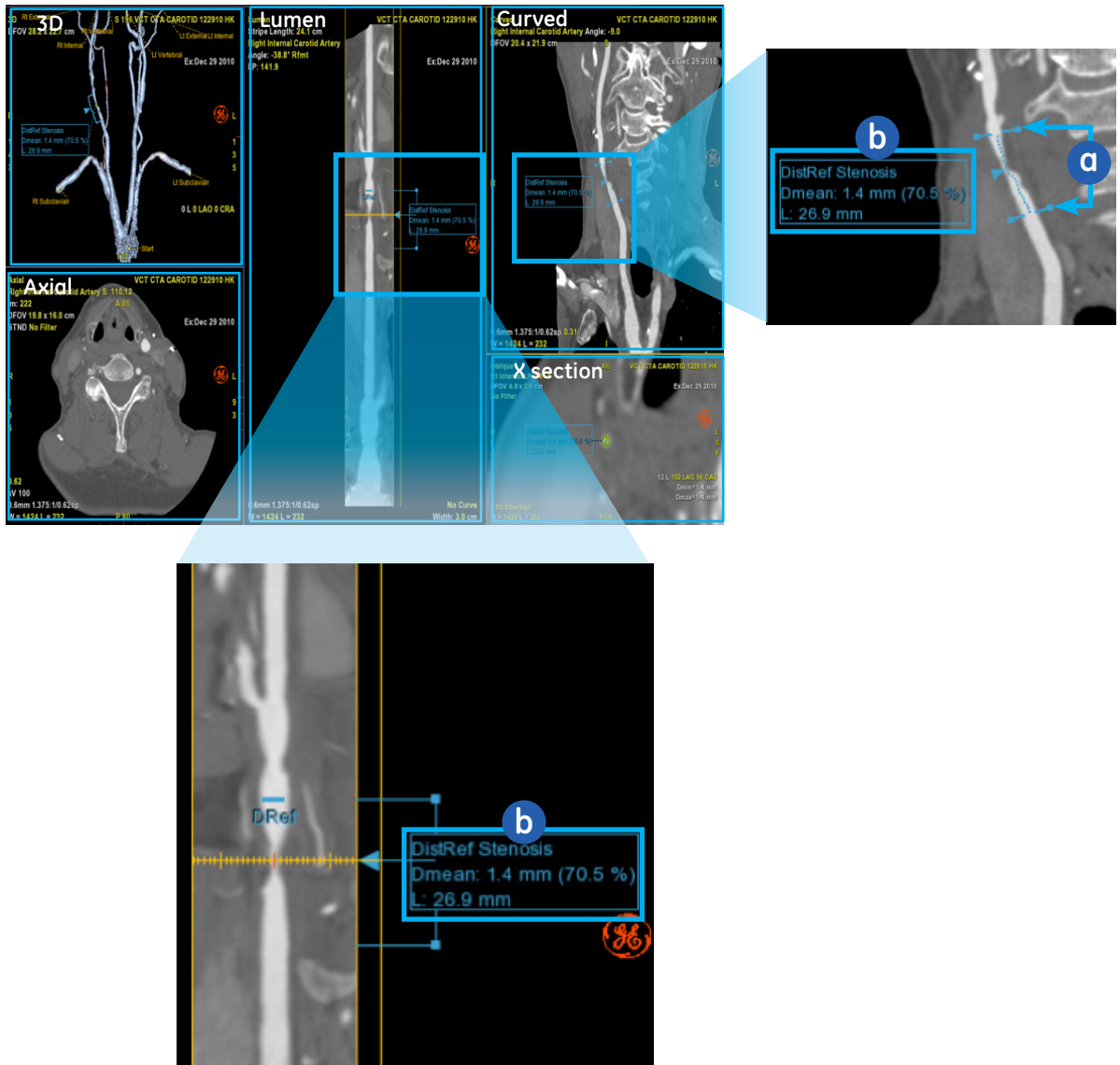
2. **Define** references:

a. Place two points on each side of the lesion on any view. The first point should be proximal to the area of interest; the second point distal.

Note: *These points will be used as references for calculations. Make sure to place them in normal anatomy, not diseased vessel, and in the same vessel as the area of interest, as much as possible.*

If not, then set stenosis references accordingly. (See 3.a. on page 4.)

b. The software detects the minimum diameter within these two references and displays related statistics.



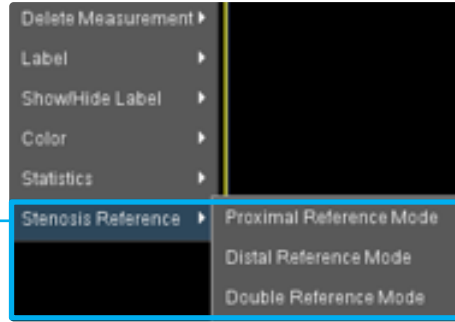
Vascular Measurements (continued)

Important! Results reliability depends on Reference(s)

3. Check references:

- a. Select **correct reference(s)**, i.e. proximal, distal or both (Right click on results).

a



AND

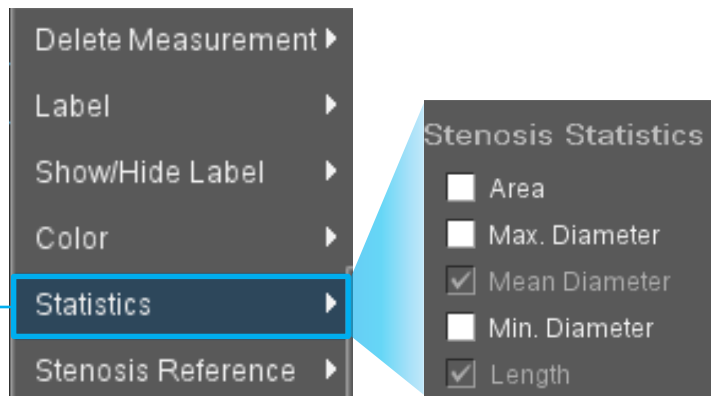
- b. Check reference(s) and stenosis/aneurysm **contours**: Edit Section and **Accept**

b



- 4. Choose **results** to display (Right click on results).

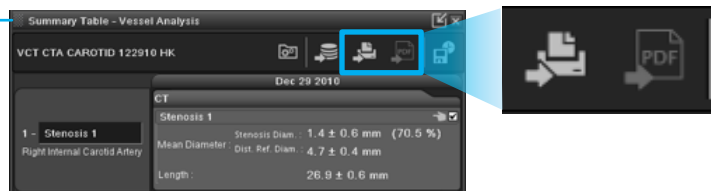
4



- 5. Use **Summary Table** to create a report and export it.

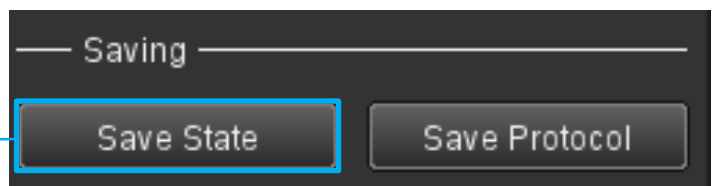
- To Filmer
- To PDF

5



- 6. Save your work using the **Save State** tool.

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WARNING! To assure an efficient and safe use of Volume Viewer Apps, it is essential for you to read the User Guides and the Customer Release Notes before attempting to start. The entire documentation is available on your system. Make certain that your documentation is readily available at all times. You shall under no circumstances use Volume Viewer Apps if the documentation is not available. If you need help, please contact the Online Center.

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