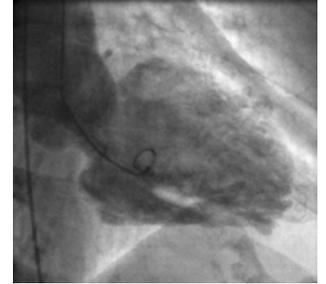




CATH-QLVA* – QUICK GUIDE

How to start the AddIn

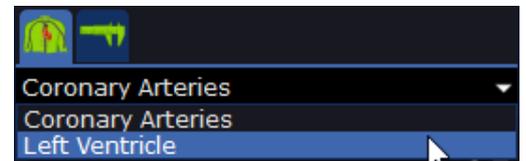
- Start from IMAGE-COM*
- Drag and drop an image into the workspace



- Select the measurement package icon in the upper right hand corner



- Select the "Left Ventricle" measurement package



Calibration

Select the „XA Calibration“ tab

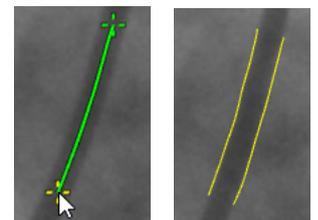


- Select one of the options to calibrate the image:
 - Catheter calibration,
 - Point to Point calibration,
 - Isocenter calibration.

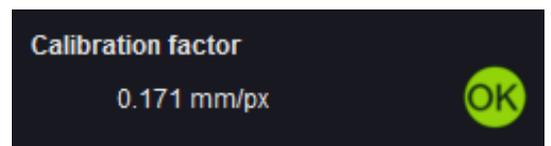


Example: Catheter calibration

- Click two times on a straight part of the catheter
- The size of the catheter will be automatically detected



- Select "OK" to confirm the proposal (Variance must be lower than 8%.)



* Is part of TOMTEC-ARENA. TOMTEC-ARENA is a registered trademark of TOMTEC Imaging Systems GmbH in Germany and/or other countries.

<p>Perform the measurement</p> <ul style="list-style-type: none"> - Select a frame with a high level of contrast by using the "Next frame" or "Previous frame" buttons or scroll the mouse wheel 	
<ul style="list-style-type: none"> - Select "Volume" and the right plane ("RAO", "LAO") - Select "EDV" 	
<ul style="list-style-type: none"> - 1. Start the contour on one side of the annulus by using left mouse clicks 	
<ul style="list-style-type: none"> - 2. Complete the contour on the opposite side of the annulus by using a right mouse click or a double click 	
<ul style="list-style-type: none"> - 3. Confirm the length of the disc summation with a left mouse click 	
<ul style="list-style-type: none"> - The workflow continues automatically - Repeat Step 1., 2. and 3. at the ESV phase - Move the mouse out of the workspace to visualize the values in the upper left hand corner 	
<ul style="list-style-type: none"> - Insert the HR manually to calculate cardiac output and cardiac index 	
<ul style="list-style-type: none"> - All values can be visualized in the worksheet - Select the "Launch Worksheet" button located in the upper right hand corner 	
<ul style="list-style-type: none"> - Save a screenshot by selecting the "Secondary Capture" icon located in the upper left hand corner 	