

Cardiac CTA dynamic post processing

Tera Recon

Daniel Verdini, Oct '26

Function series (increments of 10%)

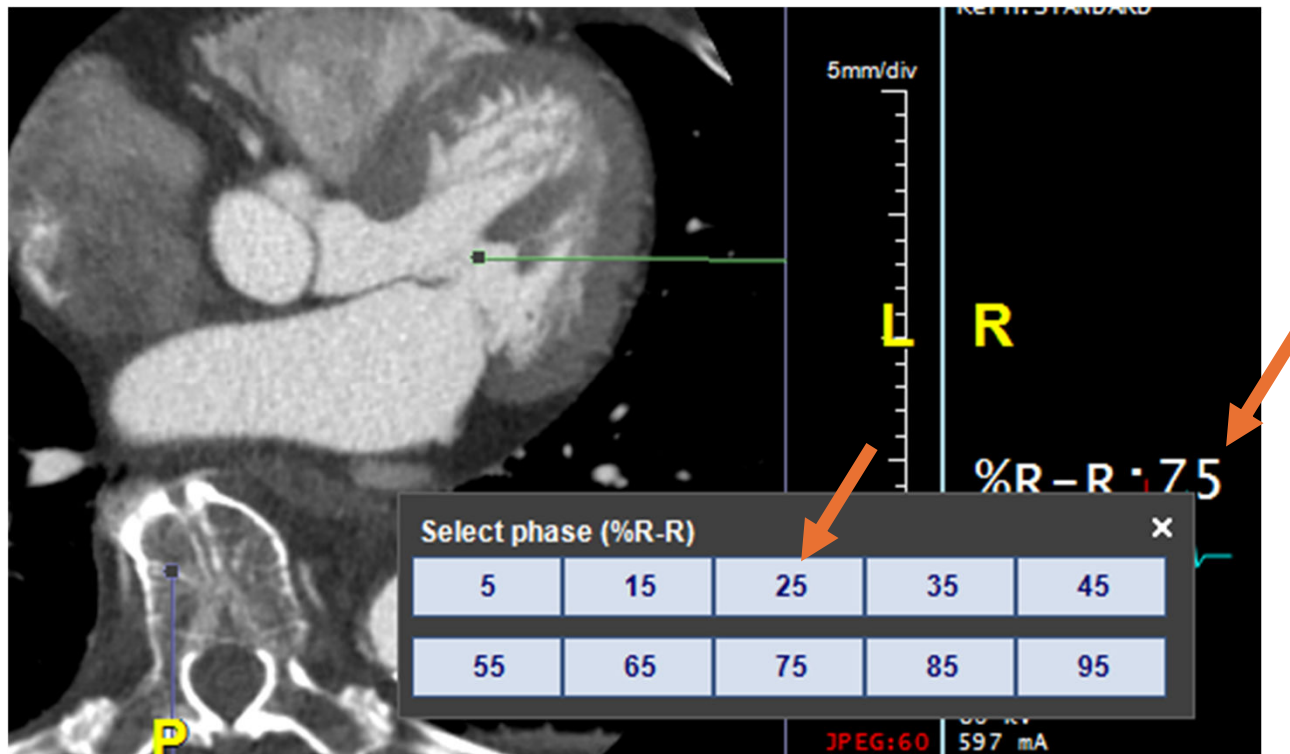
Series List					
	Series Date, Time	Series #	# of ... ▼	Description	
	09/22/2026 04:27:09 P	305	3328	MULTIPHASE 200-440@20MS	
✓	09/22/2026 04:26:46 P	301	640	FUNCTION	
	09/22/2026 04:26:48 P	303	456	SMART	
	09/22/2026 04:24:51 P	2	456	HEART 75%	
	09/22/2026 04:31:02 P	602	225	SAGCHEST	
	09/22/2026 04:30:53 P	601	225	CORCHEST	
	09/22/2026 04:31:12 P	603	138	MIP	
	09/22/2026 04:26:48 P	304	114	AXCHEST THICK	
	09/24/2026 08:57:58 A	200	30	dyn DV	
	09/22/2026 04:24:51 P	599	6	ECG REPORT	
	09/22/2026 04:47:25 P	1524	3	AAL-TS	
	09/22/2026 04:21:52 P	1	2	SCOUT	
	09/22/2026 04:22:04 P	299	1	SMART PREP SCREEN SAVE	

Open the 'Function' series - typically has the 2nd most images of all recons (~640)

Get familiar with Tera recon keyboard and mouse short cuts

- L and R click -> window/level for shading (often helps to drag up and to the right to 'soften' the brightness of the contrast after opening the function series)
- Middle wheel -> zoom – want to get ride of dead black space around perimeter
- R click -> pan
- L click -> scroll
- 'Alt' key -> crosshairs to center all boxes on

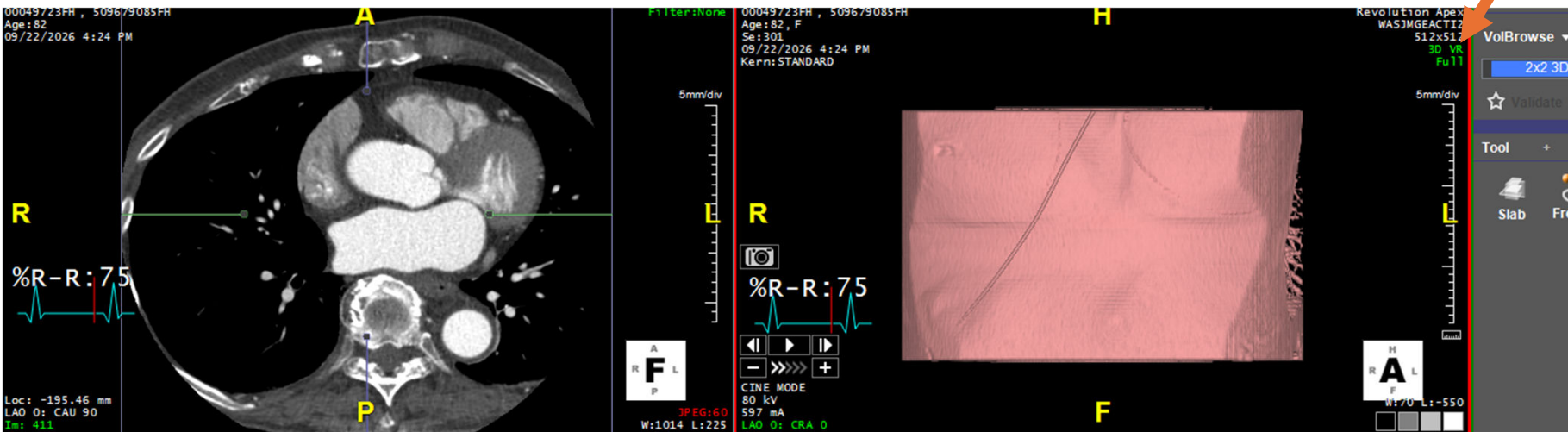
Function series (increments of 10%)



Step 1: Click on the phase % in any of the 4 boxes ('75 in this case), and select the phase that is in the 20s (for this case, it would be 25)

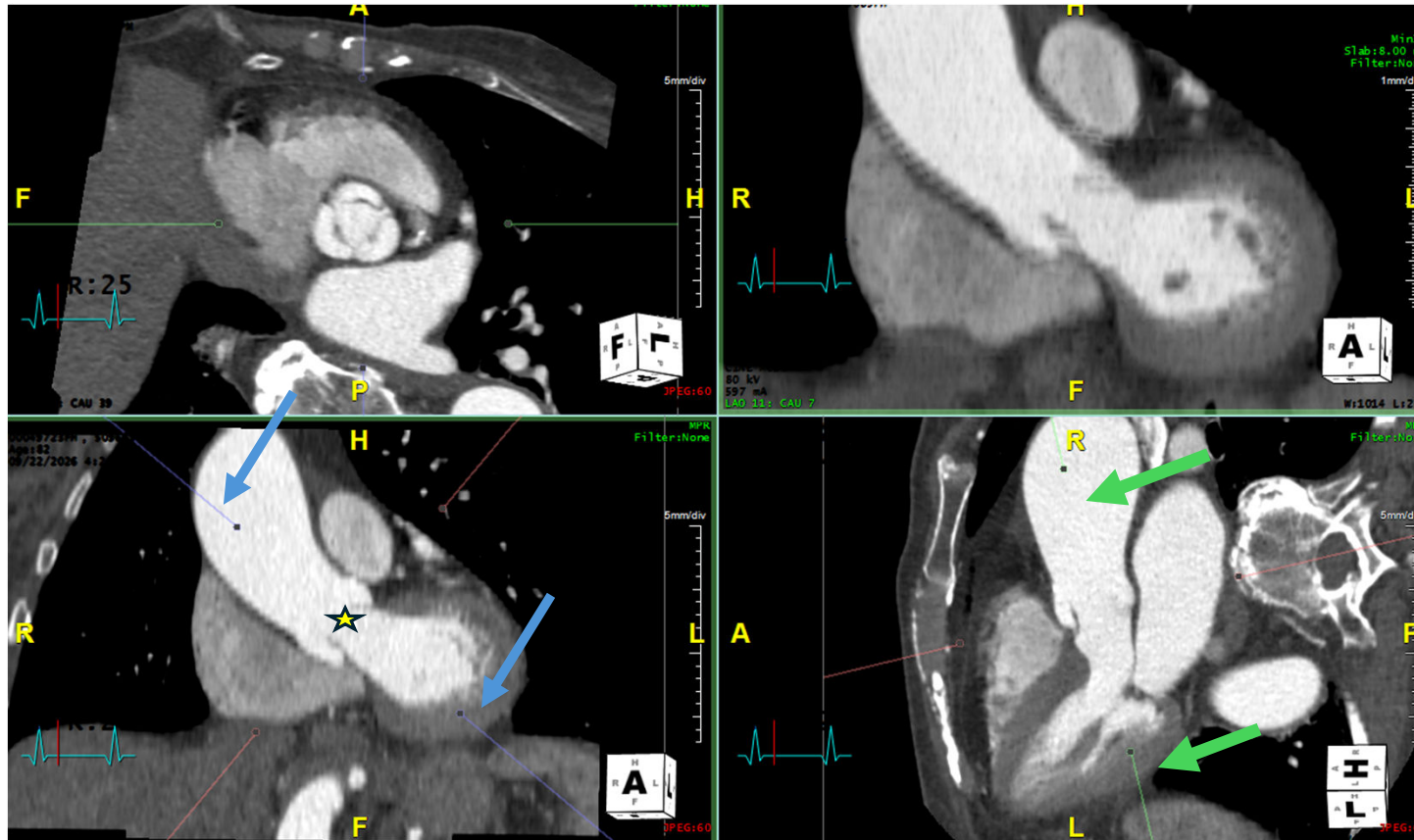
Updating upper right box to MinIP

Change
'3D VR' to
'MinIP'



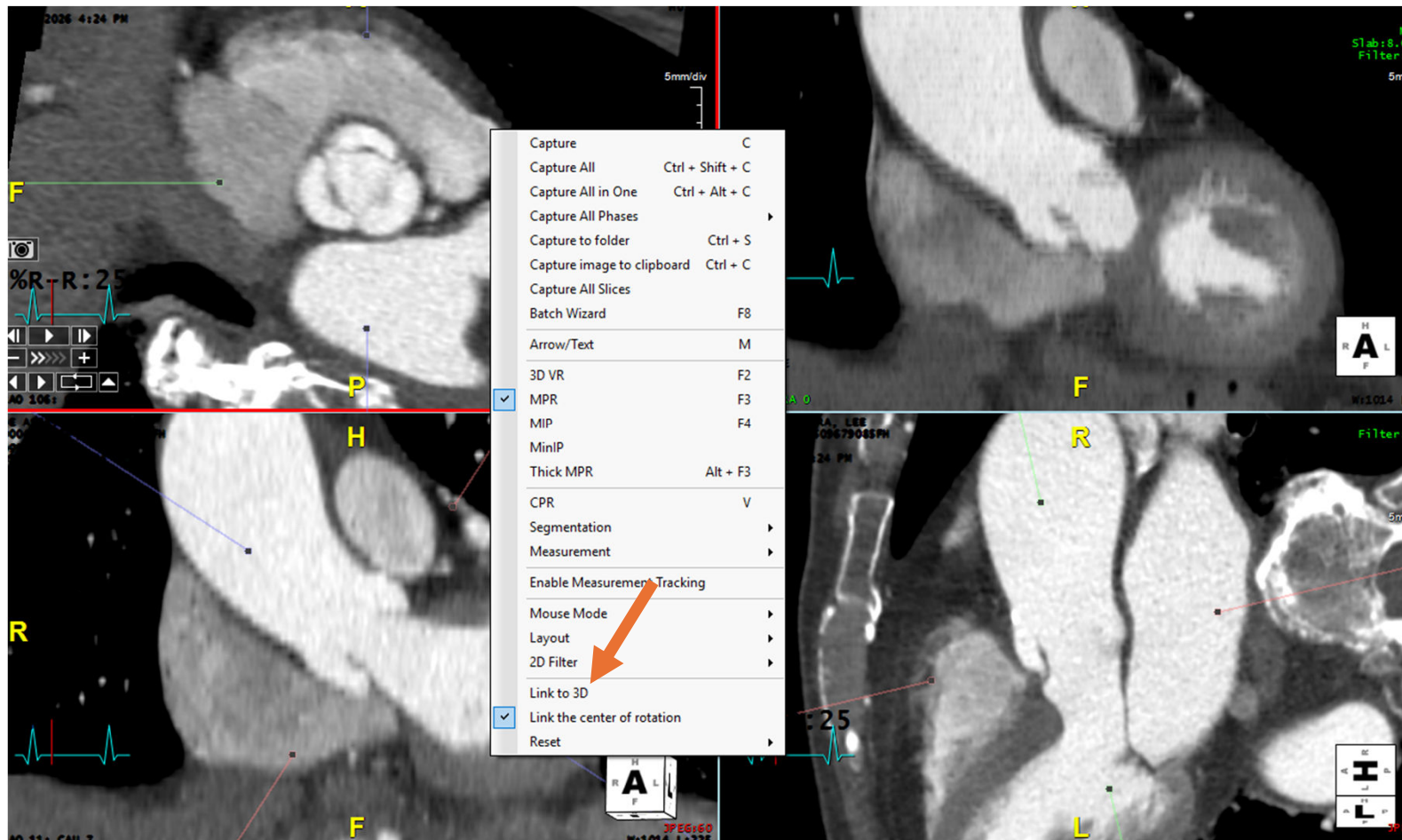
Step 2: Click on the green 3D VR in upper right portion of upper right box and change to MinIP

Centering on the aortic valve



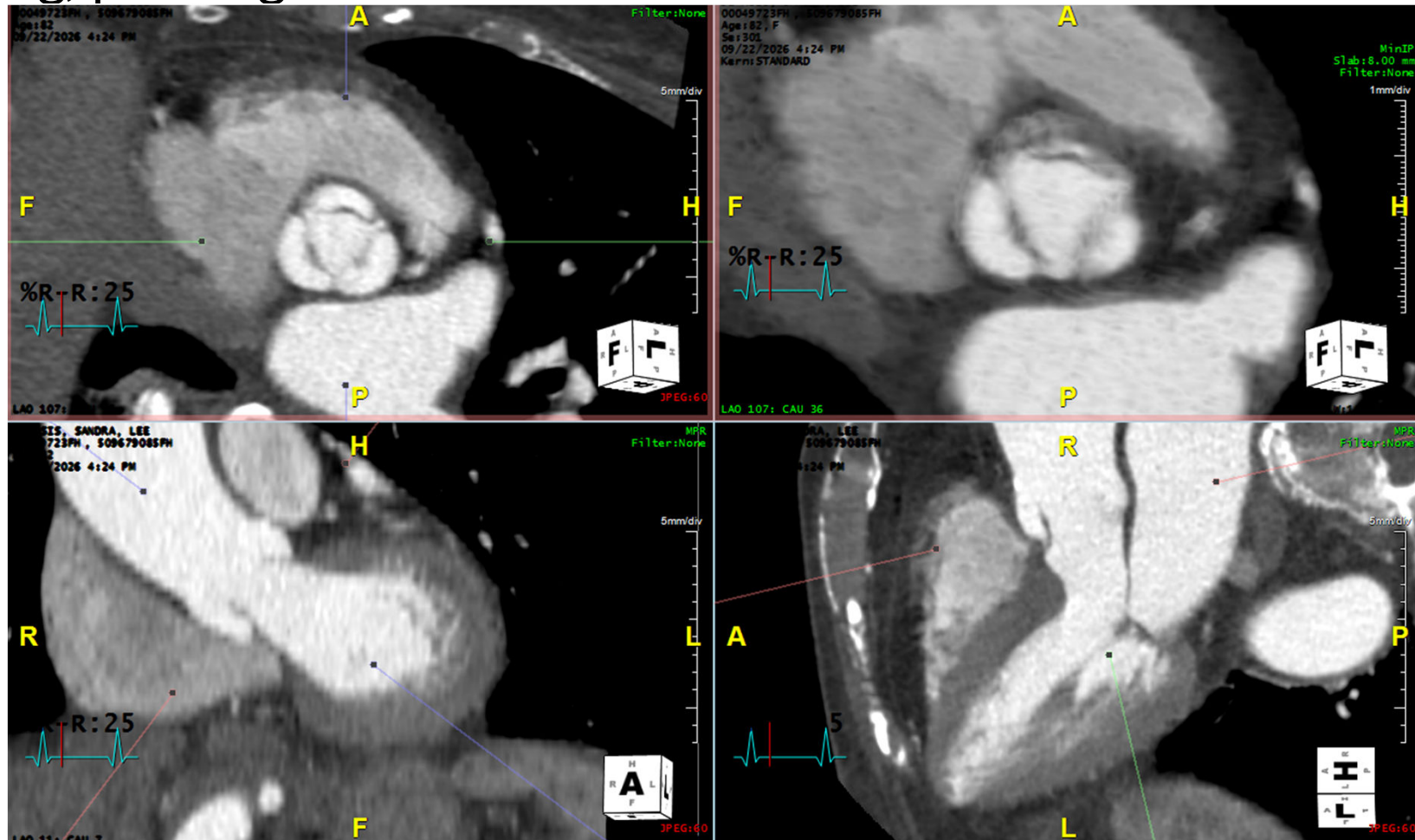
Step 3: scroll the bottom left box until aorta is well seen and then hold down 'Alt' (should bring up crosshairs) and click at center of aortic valve. After clicking on center of valve, rotate the crosshairs in bottom two boxes so the blue and green lines go along direction of flow through the valve. This should result in nice view of the aortic leaflets in the upper left box (normal valve has triangle appearance of 3 leaflets, but could be oval if bicuspid)

Linking the box with aortic valve to the upper right box



Step 4: R click in the upper left box (or whichever box shows the valve, and then select 'Link to 3D' near the bottom of menu

Zooming, panning

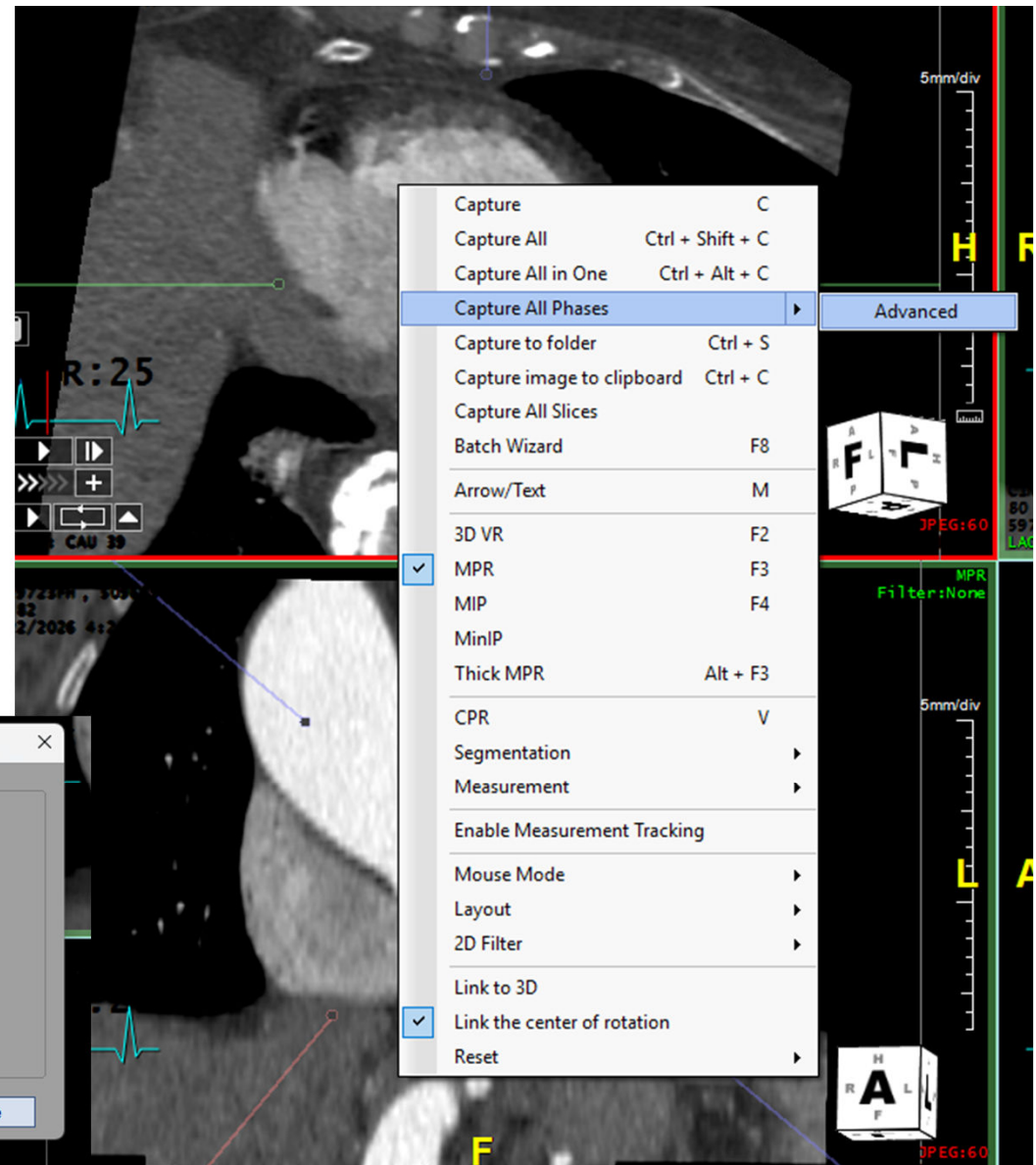


Step 5: Zoom in the upper right box to the valve; for the bottom two boxes makes sure the entire ventricle is in view (don't cut off any part of the heart on bottom boxes)

Capturing

Step 6: R click -> Capture all Phases / hover over the arrow -> Advanced -> Capture all in one

-Can send to output panel and/or patient list depending on preference



Sending to TRA PACS

Step 7: Push to TRA PACS
(Intelepacs) as well as local server
from Output panel or can push from
patient list (can push from patient list
at same time as Ca score)
Should be 10 images

