

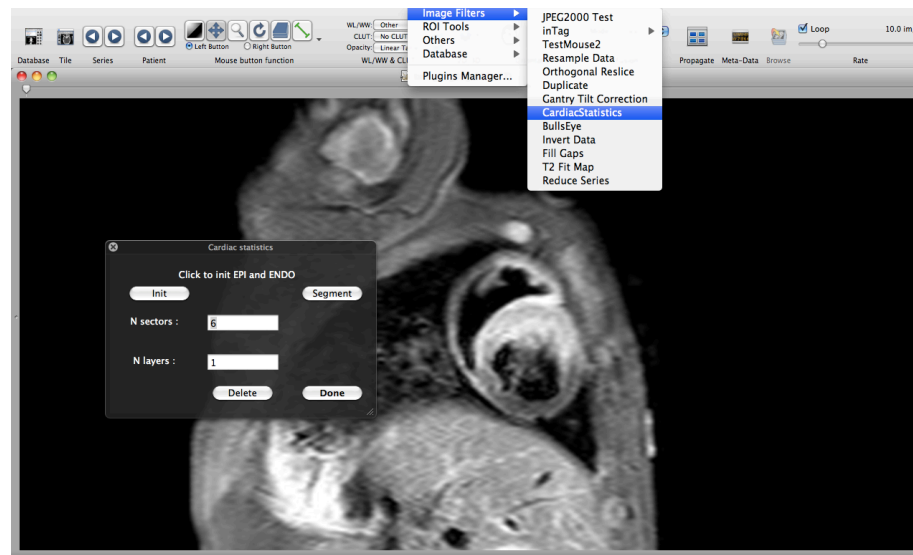
# Osirix Plug-in: *Cardiac Statistics*

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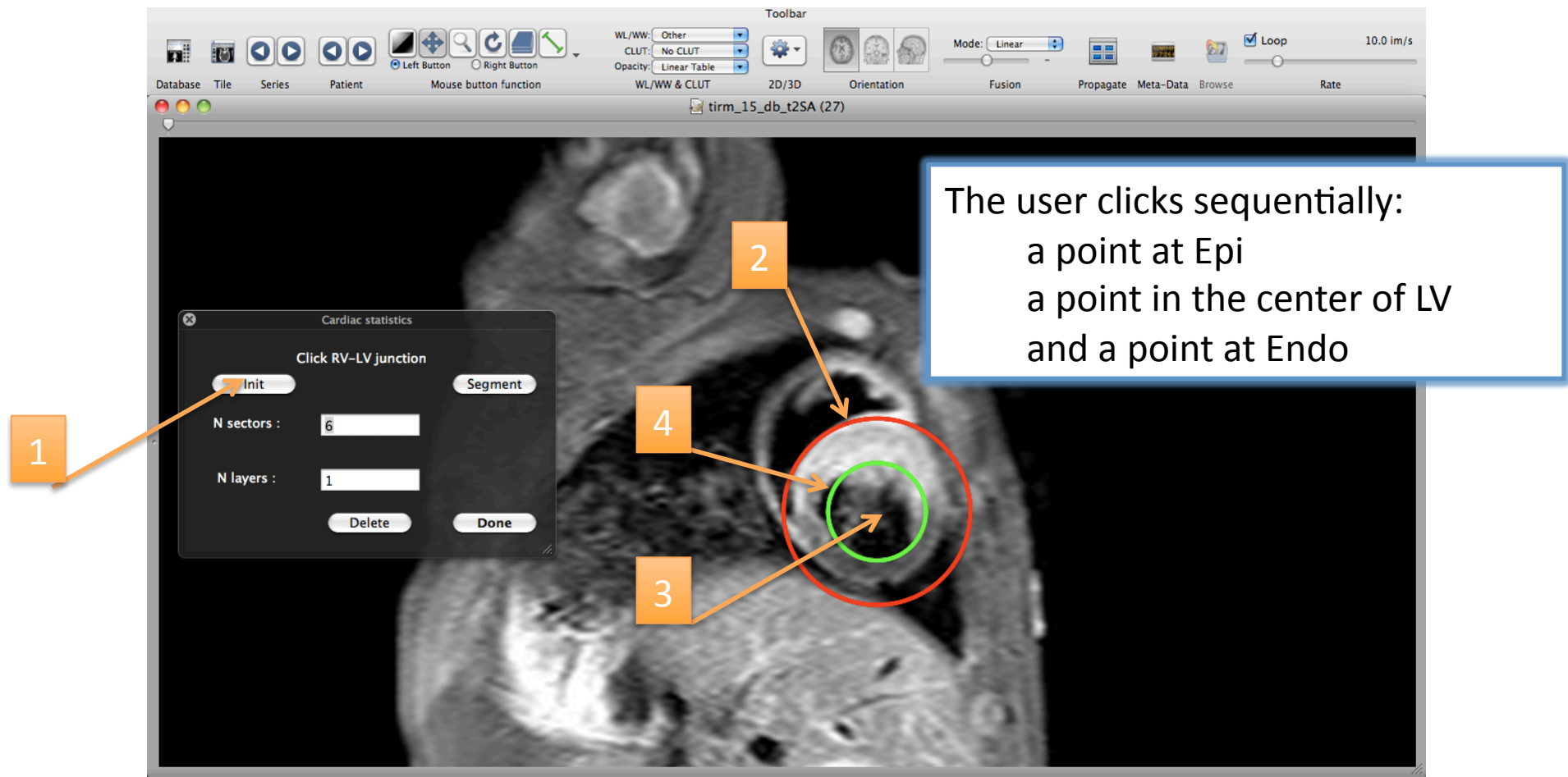
# Purpose

- The plugin provides statistics for cardiac short axis slices based on the AHA segmented model.
- The output comes in the form of a table view that can be written in a text file.



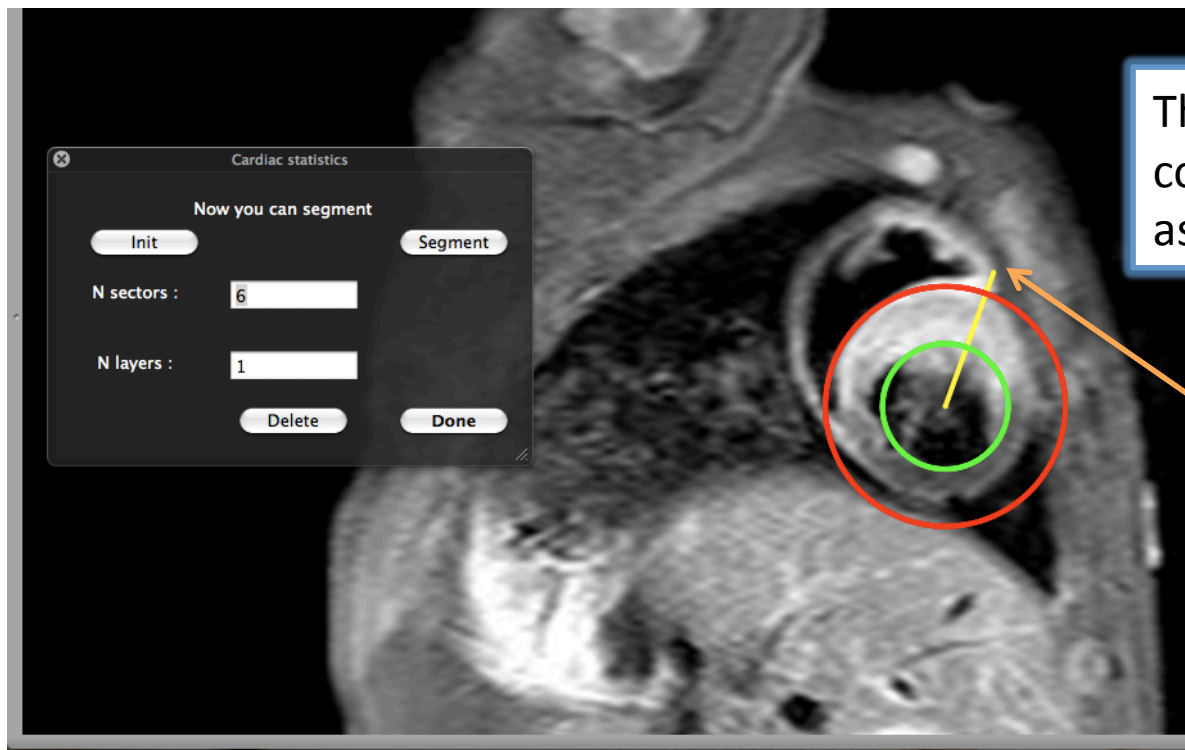
# Expected workflow

## 1- Initiate Epicardium and Endocardium contours



# Expected workflow

## 2- Select the RV-LV junction

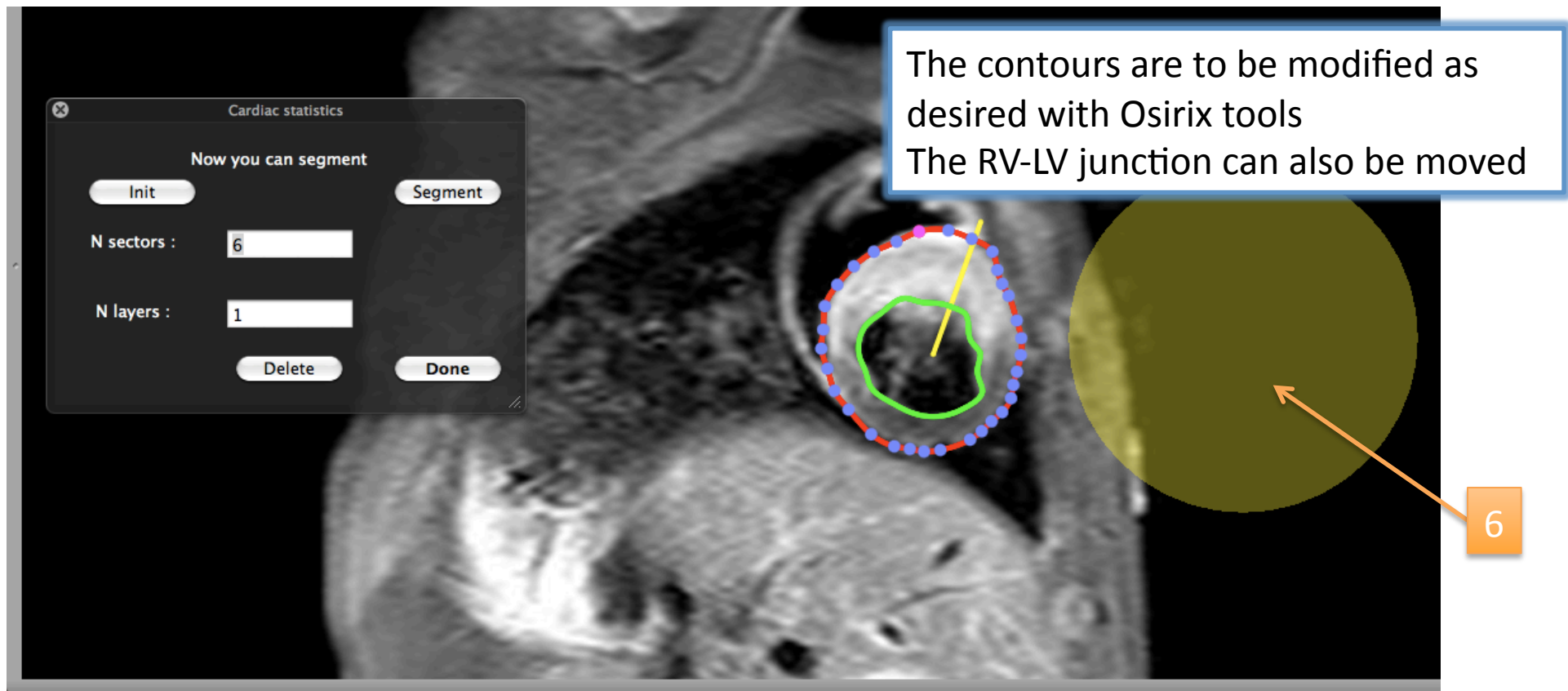


The user clicks a point that corresponds to the RV-LV junction as a reference for segmentation

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# Expected workflow

## 3- Modify the contours with Osirix tools



# Expected workflow

## 4- Click on “Segment” button !

Sector Manager

Index	Name	Mean	Stdev	Npix>T (%)	Npix
1	Sector1_1	189,974	24,63255	100	14628
2	Sector1_2	178,8624	24,25347	100	19496
3	Sector2_1	122,6667	28,01105	100	6992
4	Sector2_2	110,44	25,78458	97,77778	8283
5	Sector3_1	81,6	16,36198	100	4080
6	Sector3_2	90,8	22,04847	91,66666	6810
7	Sector4_1	111,9194	24,29079	100	6939
8	Sector4_2	120,0694	32,95465	100	8645
9	Sector5_1	171,2273	39,18384	98,3871	15068
10	Sector5_2	164,1593	55,92143	100	18550

Threshold T: 50    Advanced    Save

Define the number of sectors and layers desired. Here we used 6 sectors, 2 layers.

Cardiac statistics

Created 6 sectors

Init    Segment

N sectors : 6

N layers : 2

Delete    Done

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# Possible improvements

- Mouse handling while defining the contours:
  - Dragging the contours instead of “blind” clicks
- Connecting output statistics to BullsEye plug-in