

TOME SLICE

v 3.0

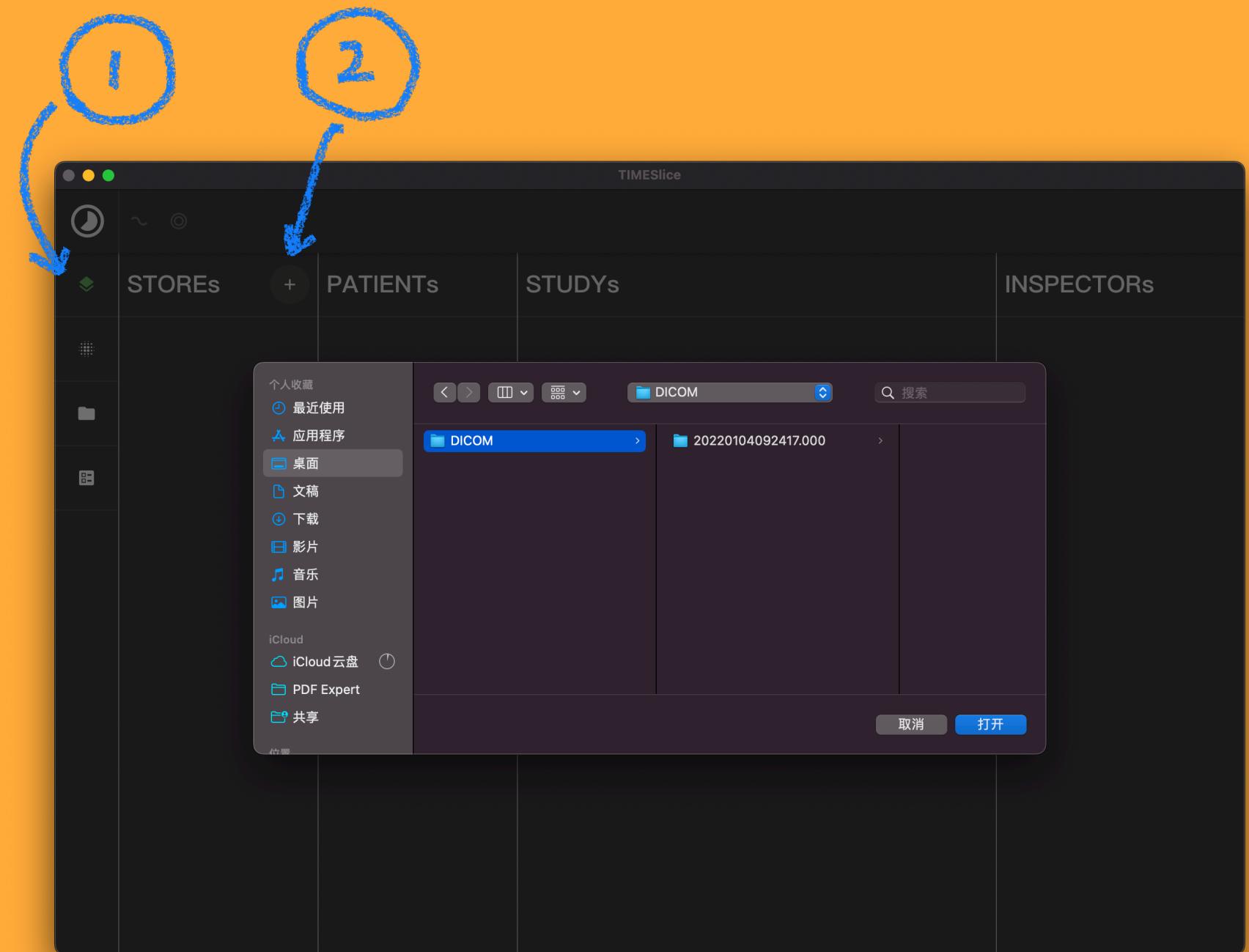
Manual



Import DICOMs

- ① click STOREs panel
- ② click creating STORE button to import DICOMs
- ③ select the folder that contains the DICOMs and click the open button. All DICOMs imported in the current day will be imported in this store

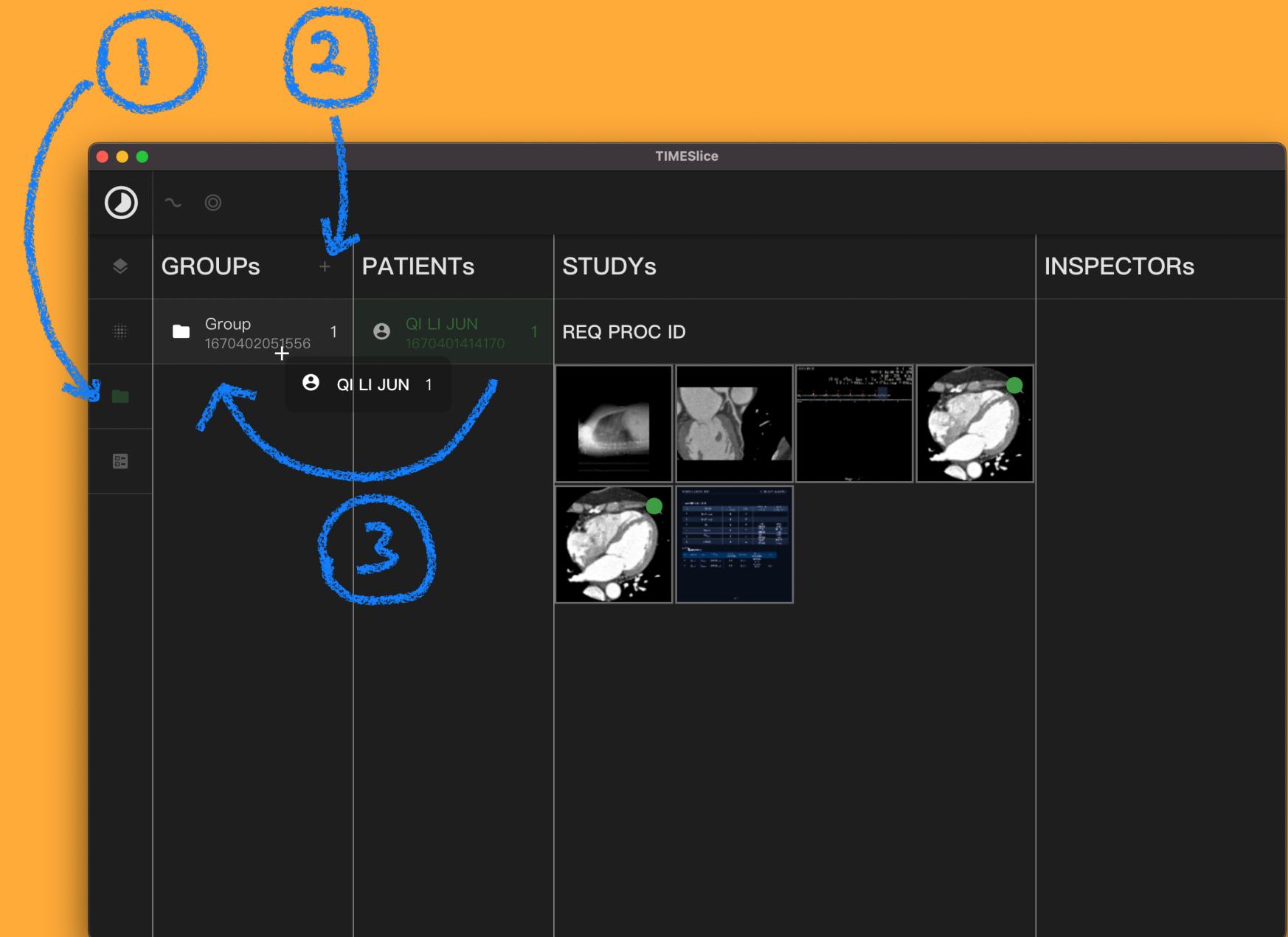
Data Manage



Group PATIENTs

Data Manage

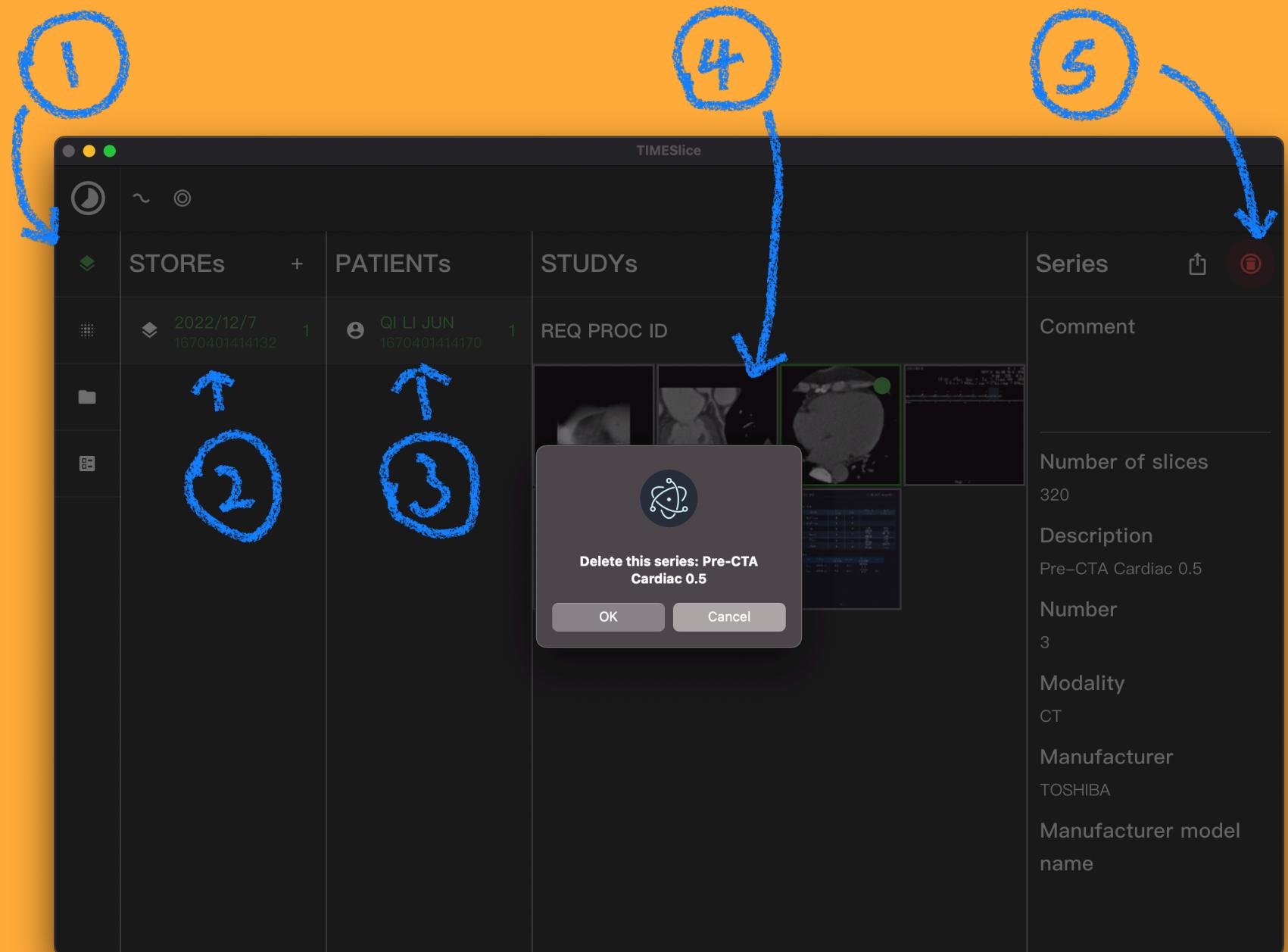
- ① click GROUPs panel
- ② click creating GROUP button
- ③ drag the PATIENT on to the GROUP. A reference of this PATIENT will be added into the GROUP



Delete SERIES

Data Manage

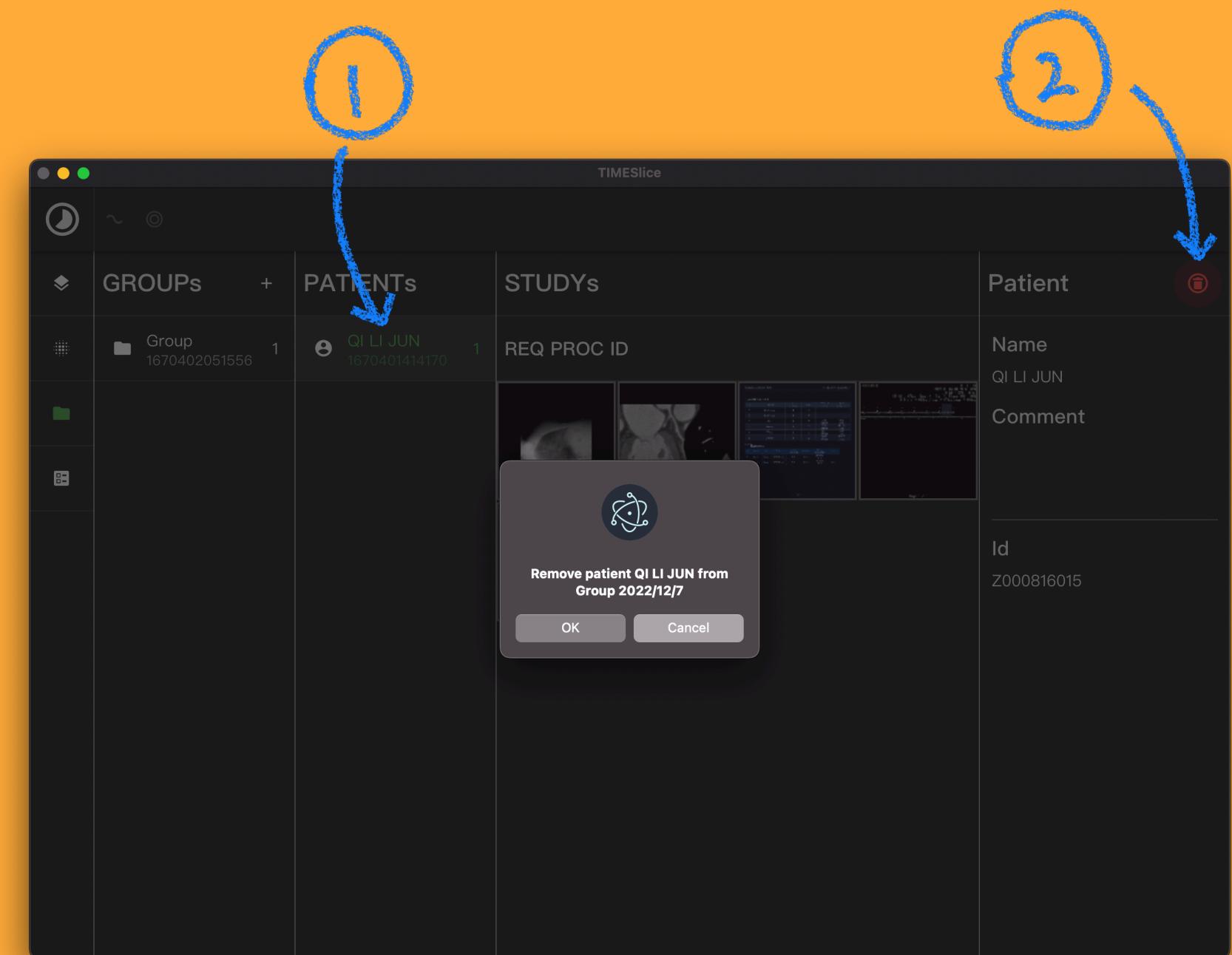
- ① click STOREs panel
- ② select the STORE
- ③ select the PATIENT
- ④ select the SERIES
- ⑤ click delete SERIES button
- ⑥ click the OK button. The STUDY will be automatically deleted if it contains no SERIES



Delete PATIENT

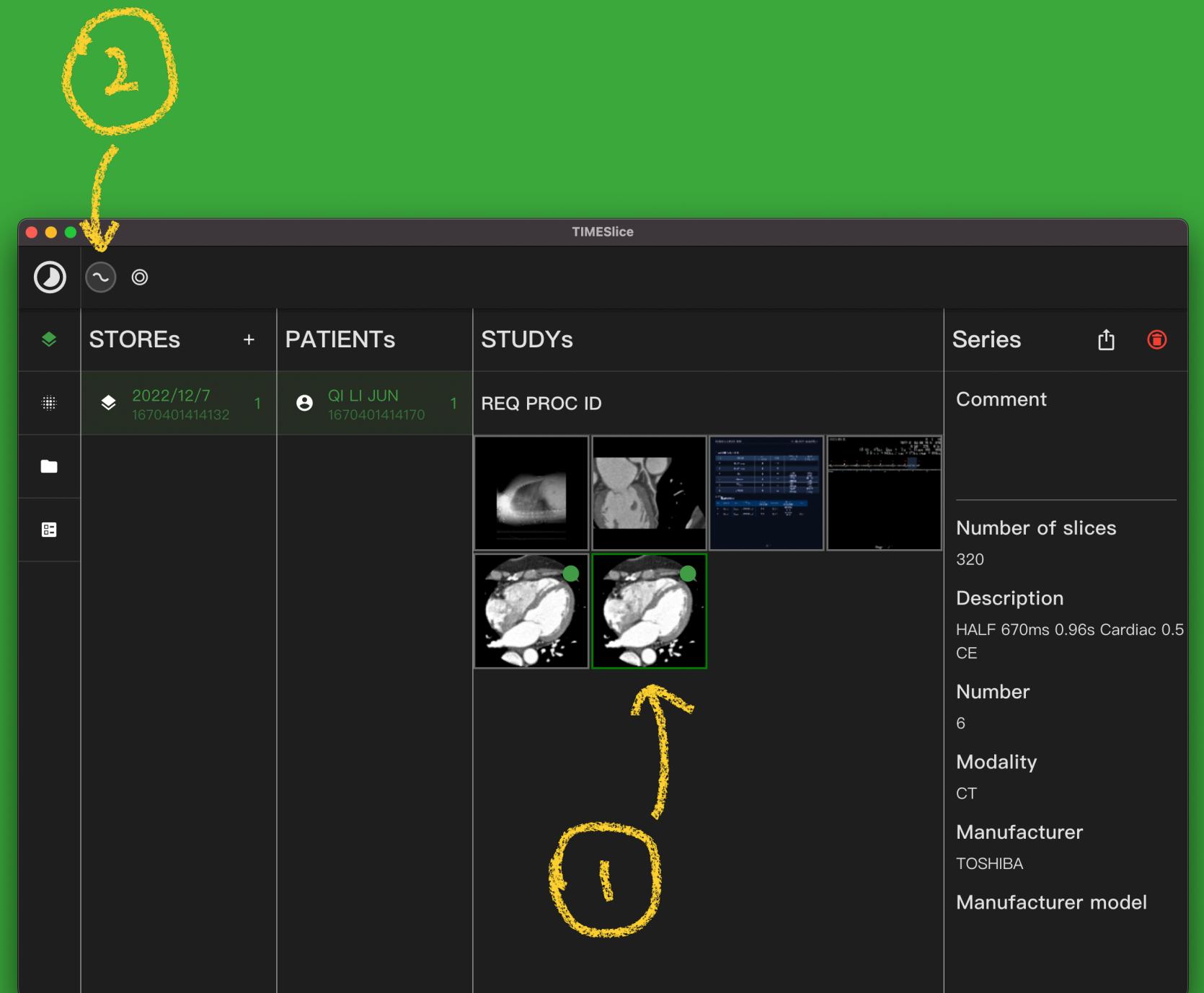
Data Manage

- ① select the PATIENT
- ② click delete PATIENT button
- ③ click the OK button. The PATIENT will be removed from current GROUP/STORE. If no GROUP/STORE contains the PATIENT, it will be fully deleted from the database



Open CENTERLINE Module Centerline

- ① Select SERIES with dot at the right-up corner
- ② Click the CENTERLINE module button



COCATracker

Centerline

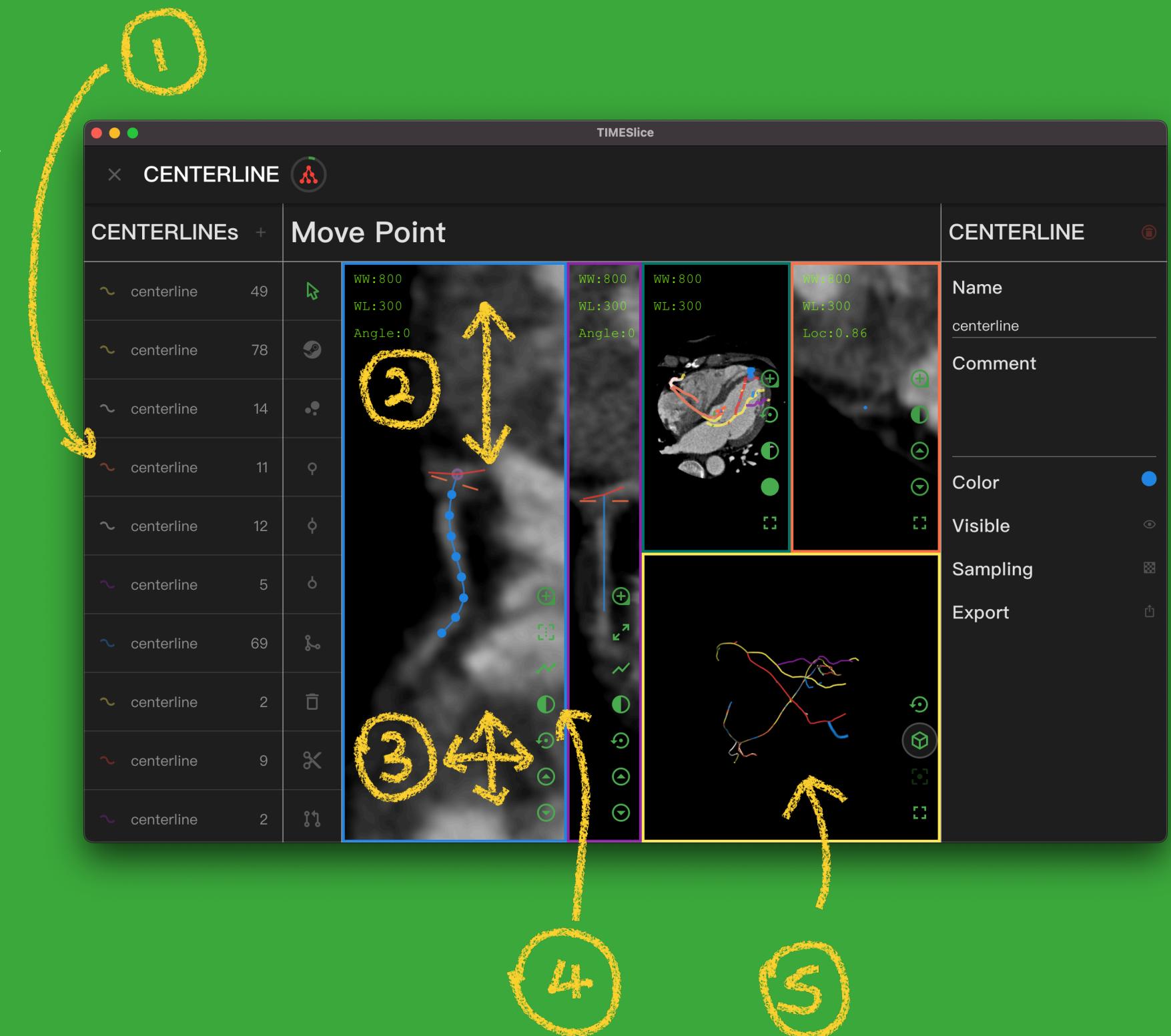
- ① Wait loading the SERIES image
- ② Click the COCATracker button to fully automatically detect the CENTERLINEs



View CENTERLINE

Centerline

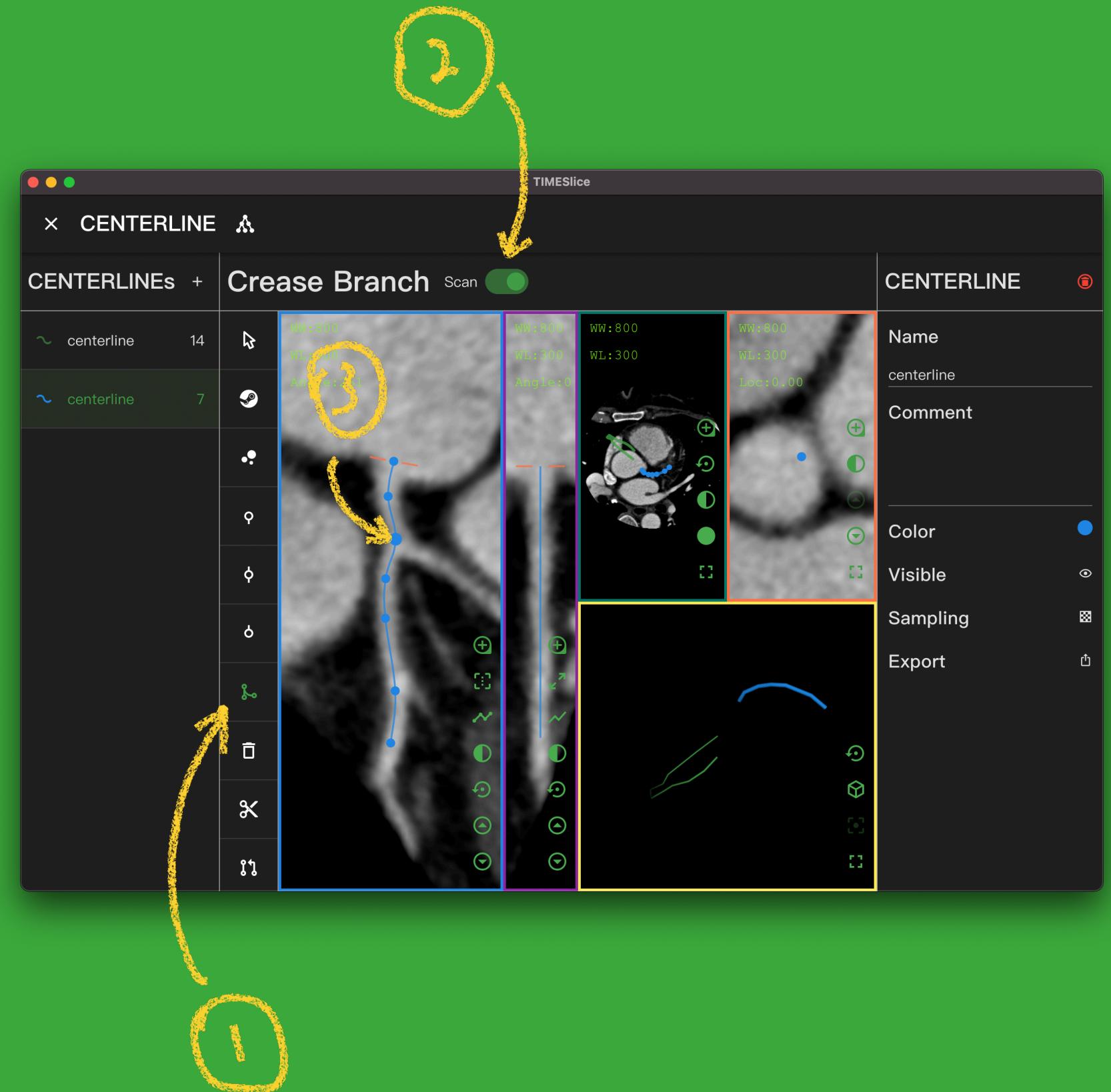
- ① Select a centerline
- ② Sliding the trackpad using two fingers on MacOS or rolling the mouse wheel on Windows within the CPR (SCPR) view to observe the relation between the CENTERLINE and the CPR (SCPR) image
- ③ Adjust window level and window width by dragging
- ④ Reset window level and window width
- ⑤ View the CENTERLINE tree in 3D view by dragging



Manual create branch

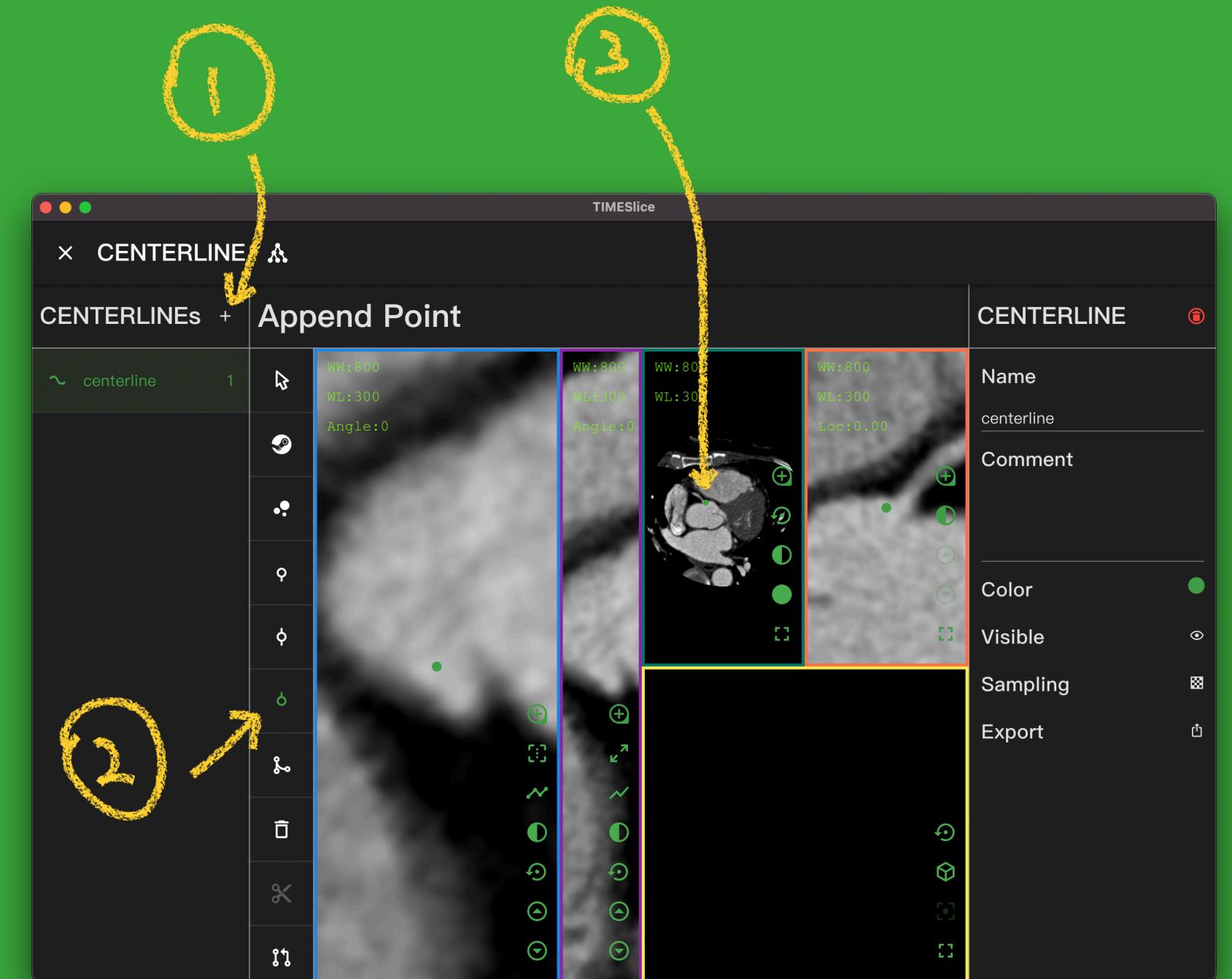
Centerline

- ① Select the branch tool
- ② Open the scan option to automatically detect the branch
- ③ Click the POINT to create a branch at this POINT



Manual create CENTERLINE Centerline

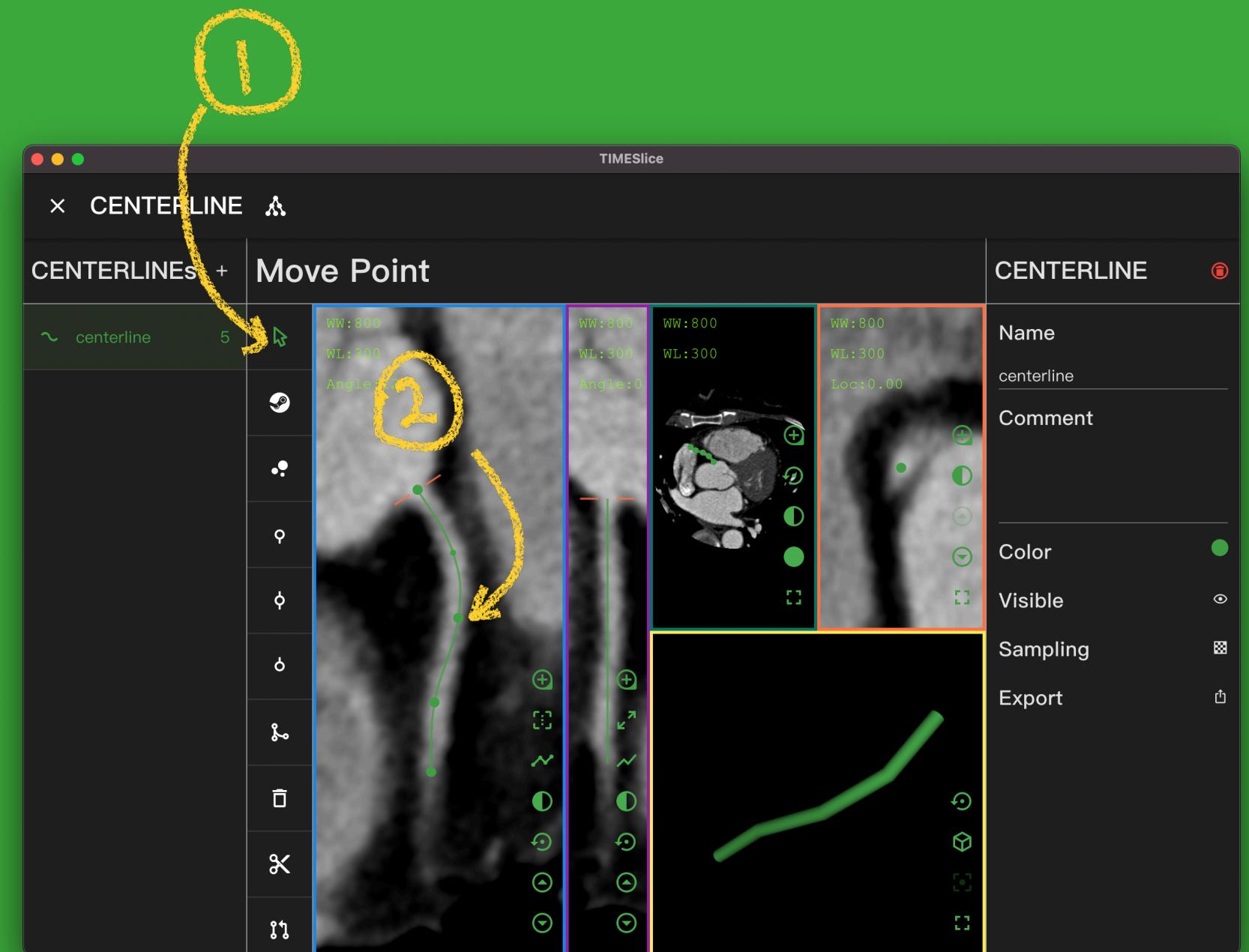
- ① Click creating CENTERLINE button
- ② Select the appending POINT tool
- ③ Click mouse at the ostium point



Move POINT

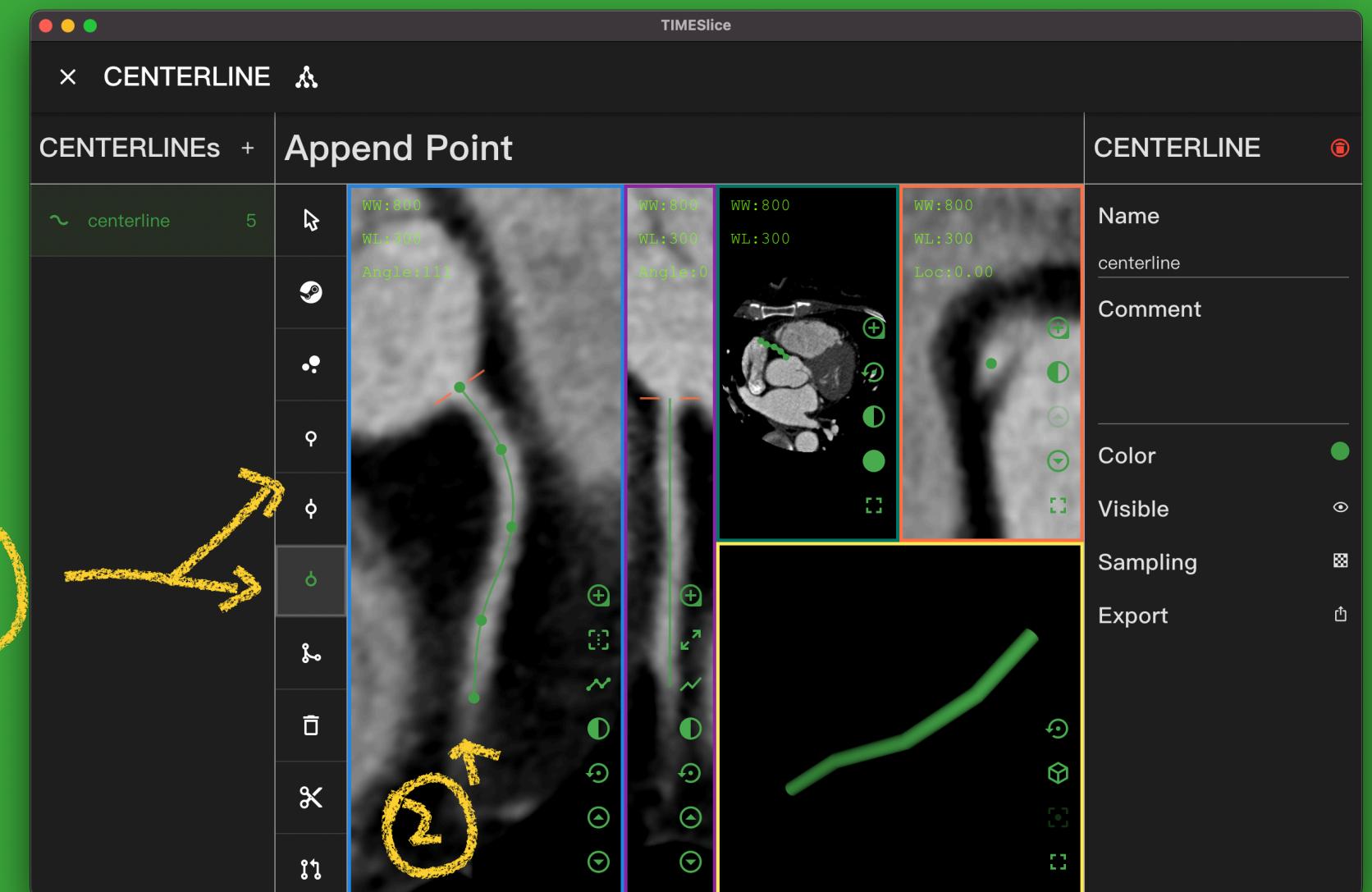
- ① Select move POINT tool
- ② Drag the POINT on the CPR view

Centerline



Append (prepend) POINT Centerline

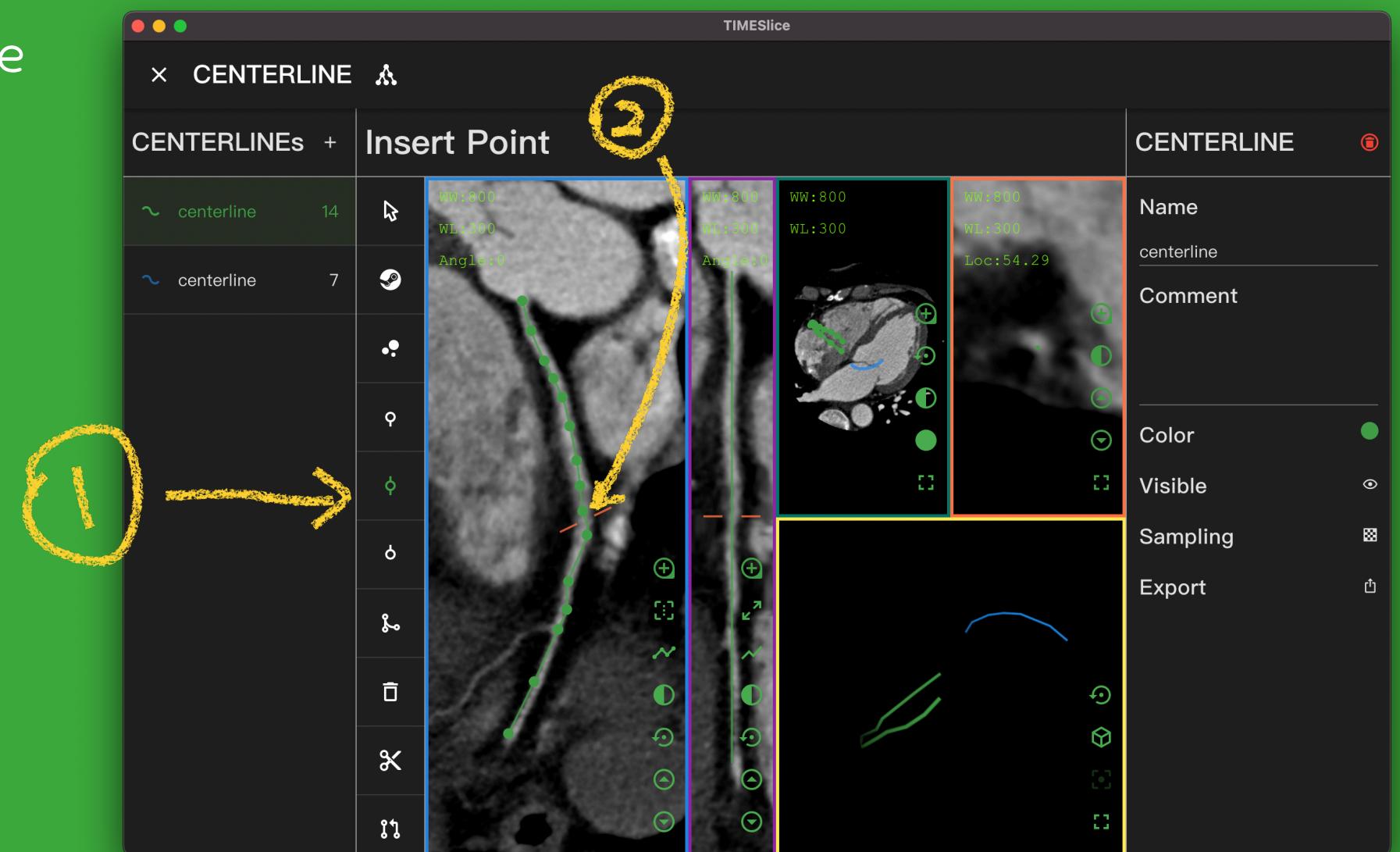
- ① Select append (prepend) POINT tool
- ② Click on the CPR view to append POINT



Insert POINT

Centerline

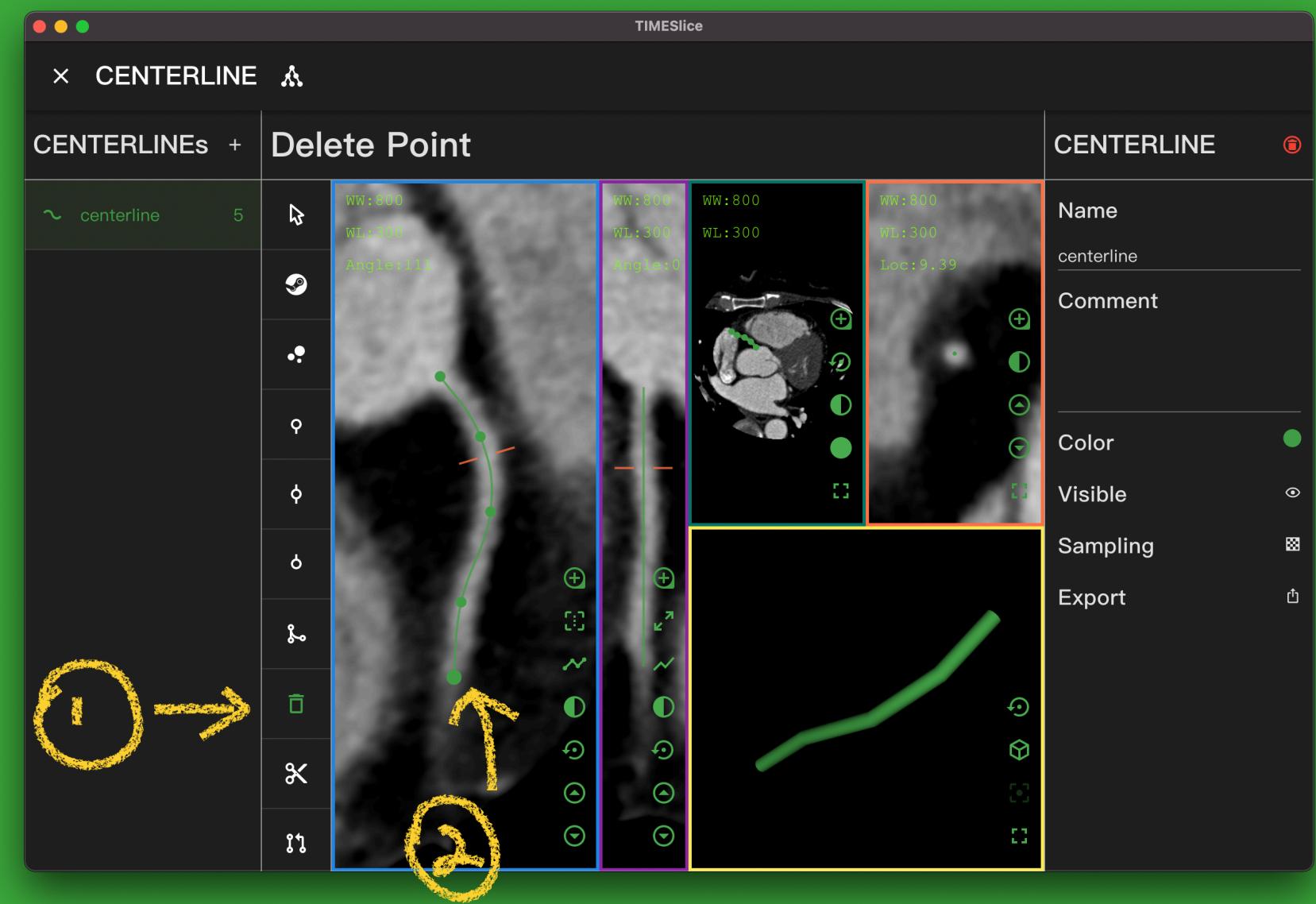
- ① Select insert POINT tool
- ② Put the cursor at the CENTERLINE and click the appeared POINT



Delete POINT

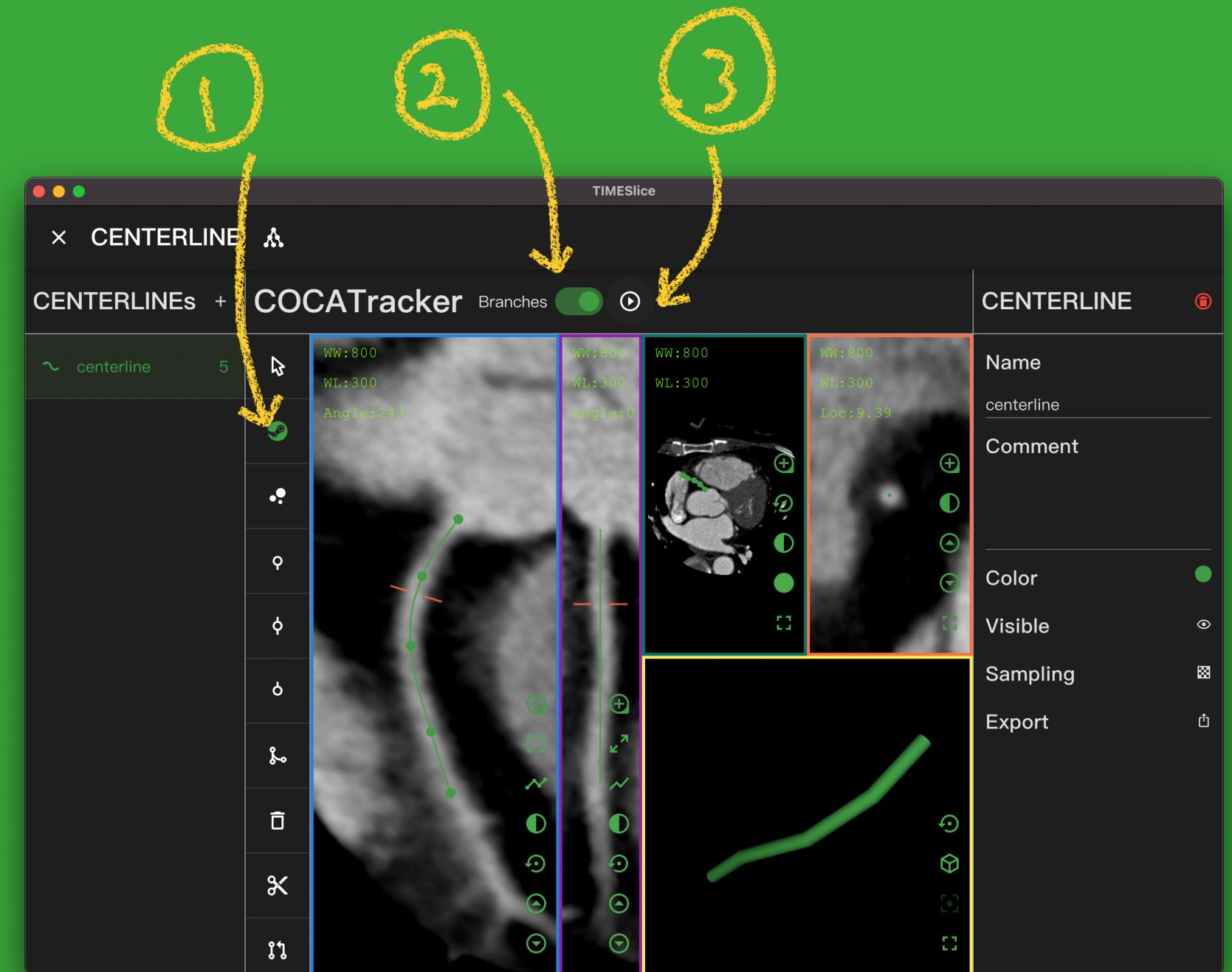
Centerline

- ① Select the delete POINT tool
- ② Click POINT on the CPR view



Auto elongate CENTERLINE Centerline

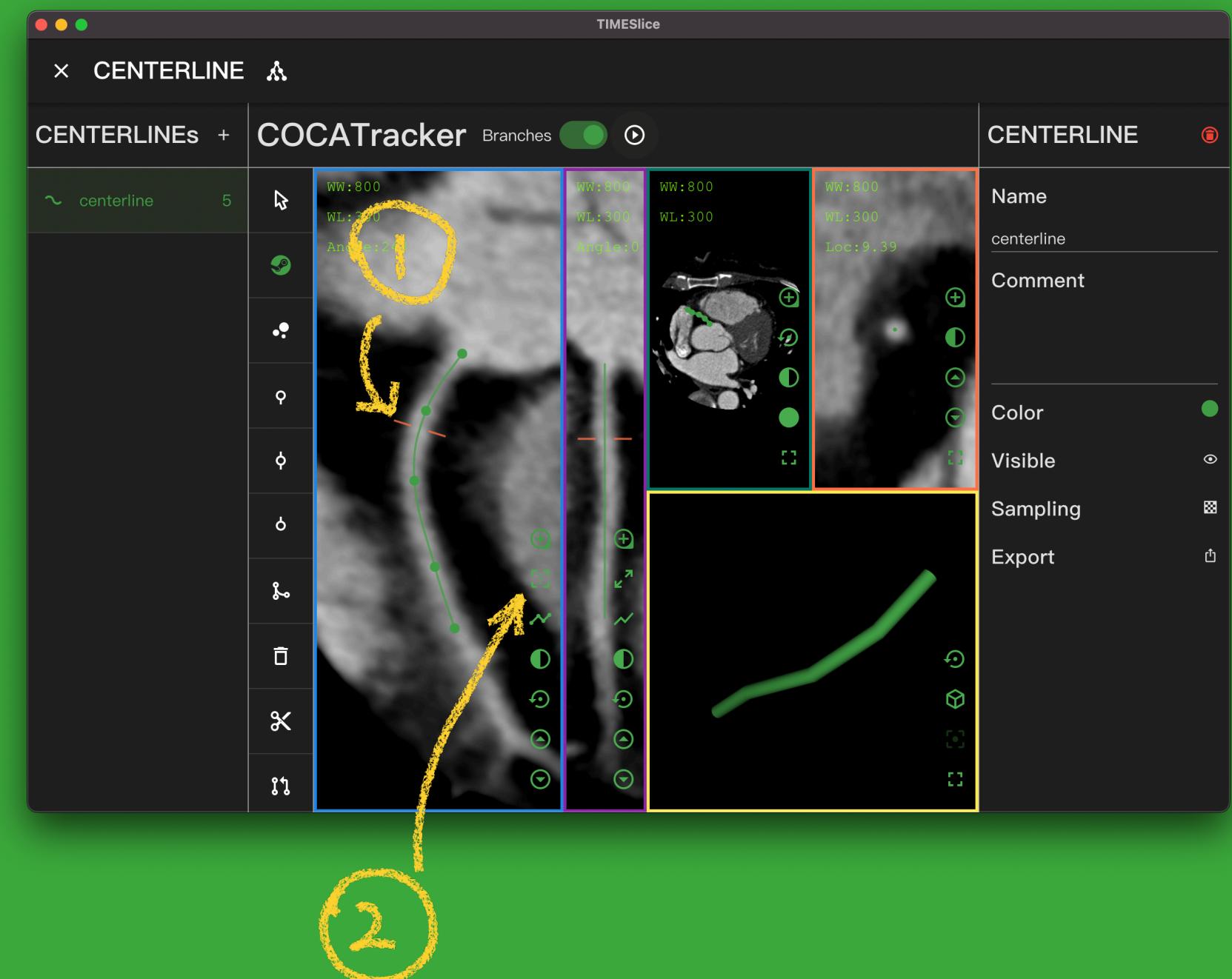
- ① Select the COCATracker tool
- ② Open the Branches option if you want to detect the branches in the tracking process
- ③ Click the Run button



Change CPR view axis

Centerline

- ① Drag the marker at appropriate location
- ② Click the axis button to realign the CPR view axis according the CENTERLINE at the marker



Simplify CENTERLINE

Centerline

- ① Select the simplify tool
- ② Adjust the tolerance value to control the largest bias that allowed in the process
- ③ Click the run button



Cut CENTERLINE

Centerline

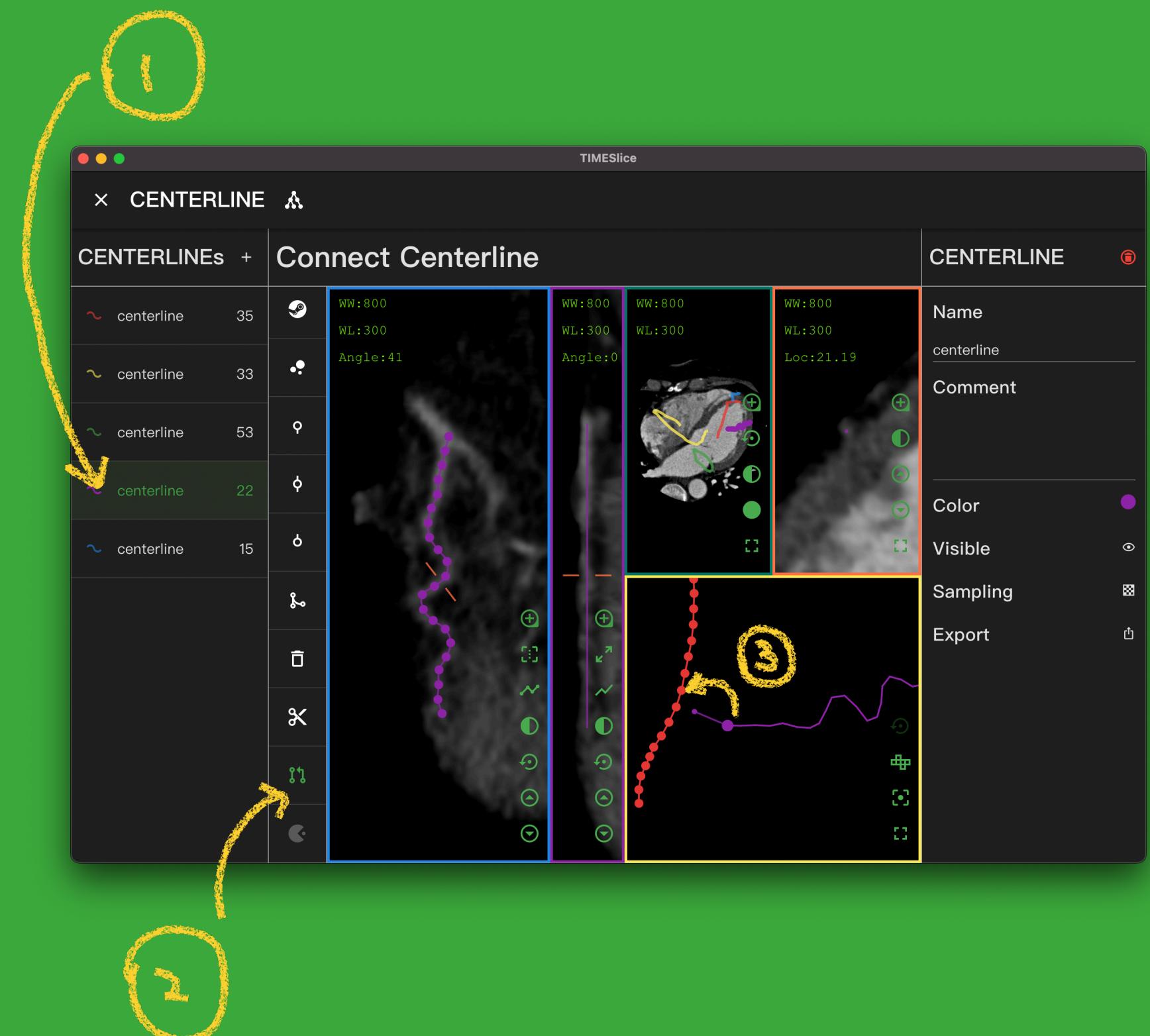
- ① Select the CENTERLINE
- ② Click the cut CENTERLINE tool
- ③ Switch to the 2 D CENTERLINEs tree view
- ④ Click the edge that needing to be cut



Connect CENTERLINE

Centerline

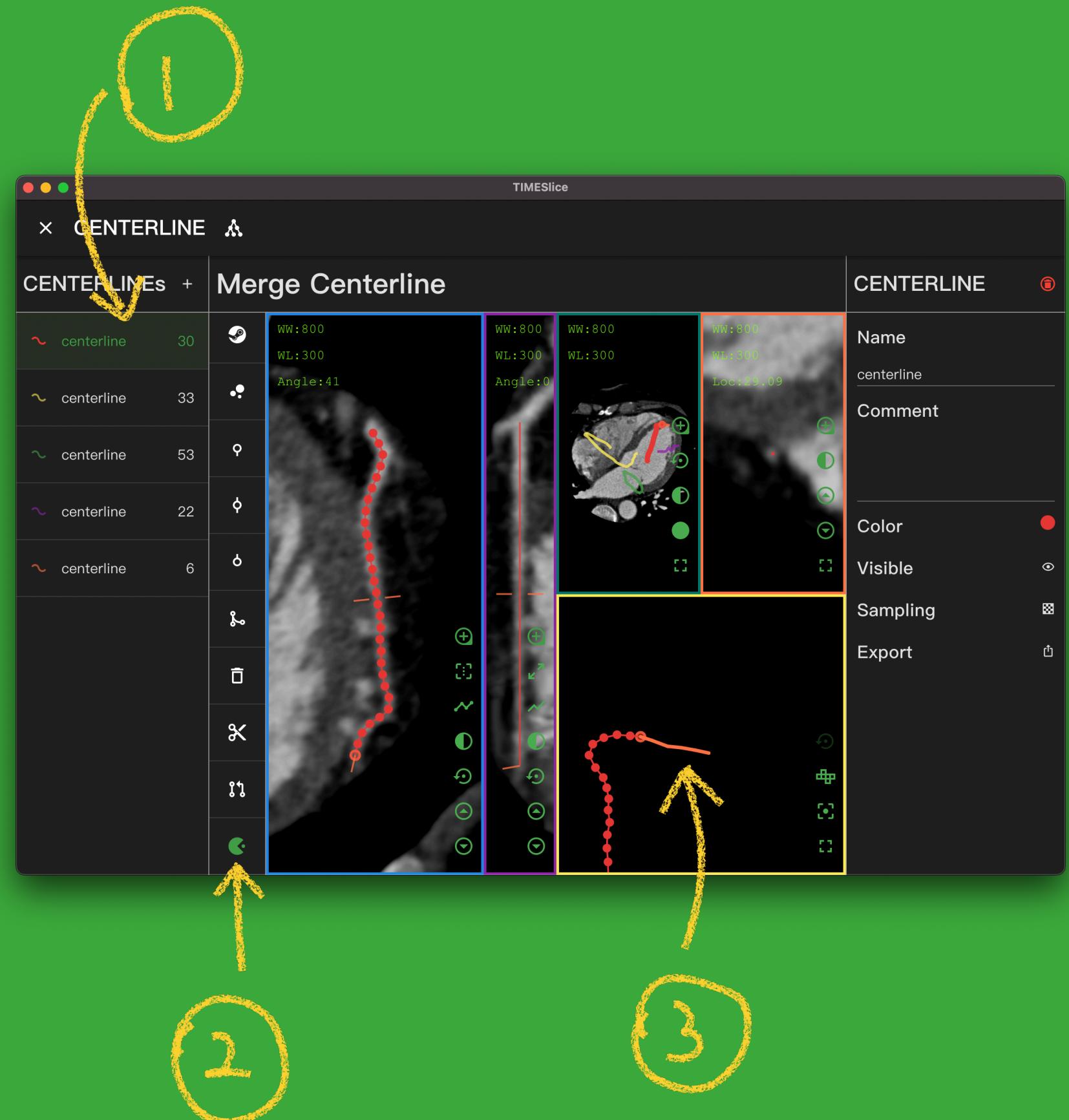
- ① Select the CENTERLINE
- ② Click the connect CENTERLINE tool
- ③ Drag the first POINT of the selected CENTERLINE to the target POINT



Merge CENTERLINE

Centerline

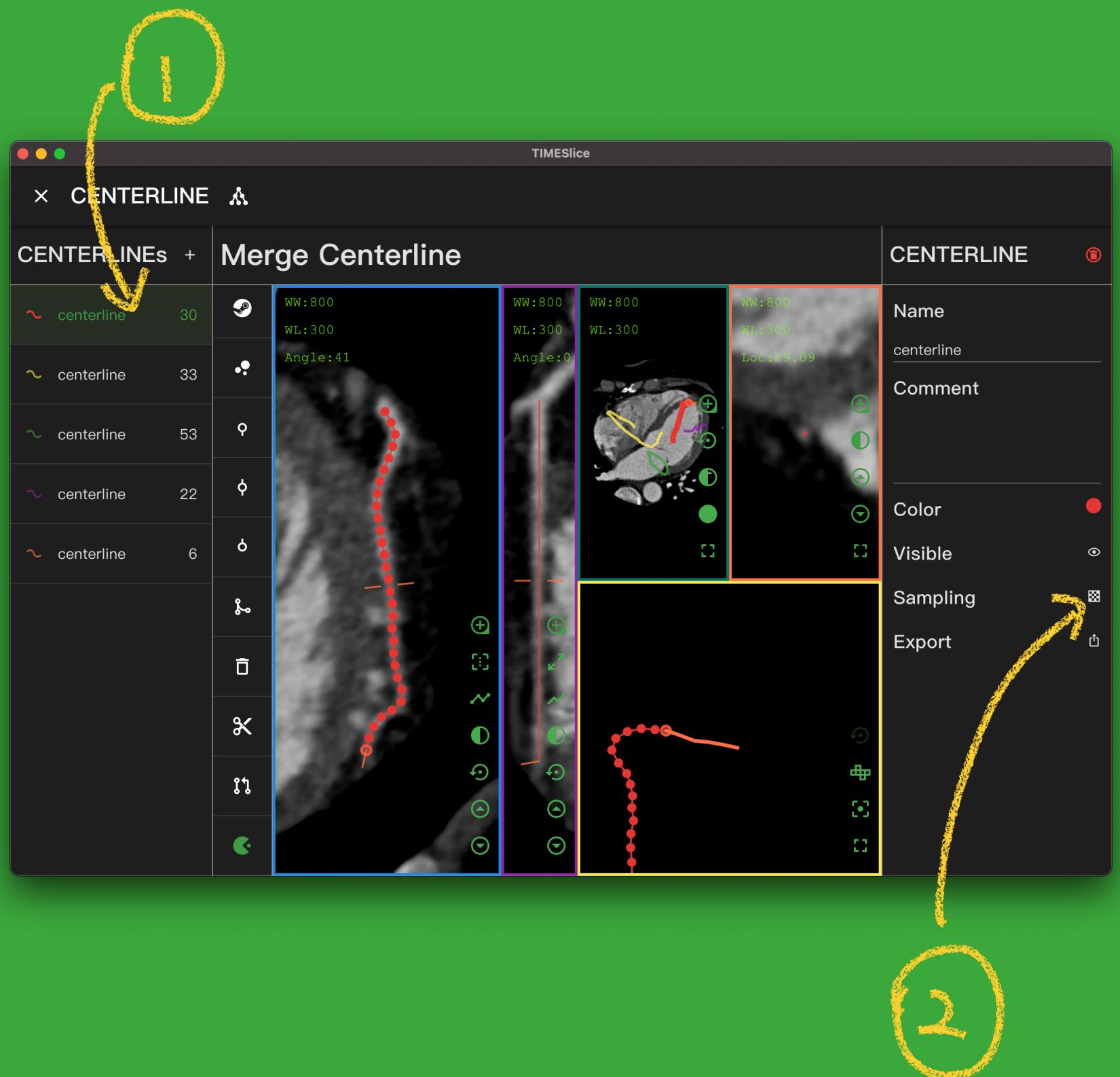
- ① Select the CENTERLINE
- ② Click the merge CENTERLINE tool
- ③ Click the CENTERLINE that needs to be merged. Only the CENTERLINEs followed the end POINT of the selected CENTERLINE can be merged



Sample probe image

Centerline

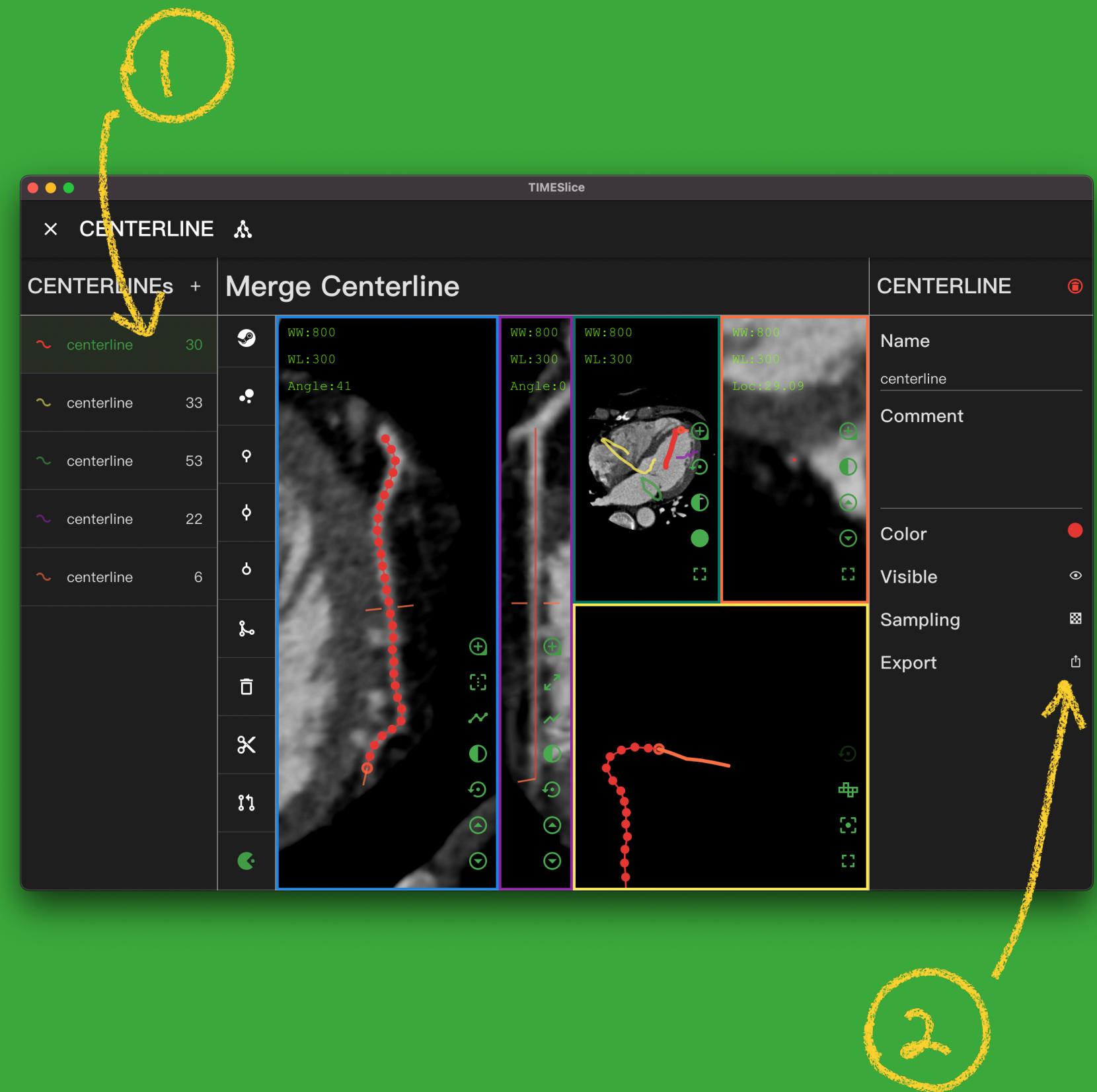
- ① Select the CENTERLINE
- ② Click the sampling button and a new SERIES based on this CENTERLINE is generated



Export CENTERLINE

Centerline

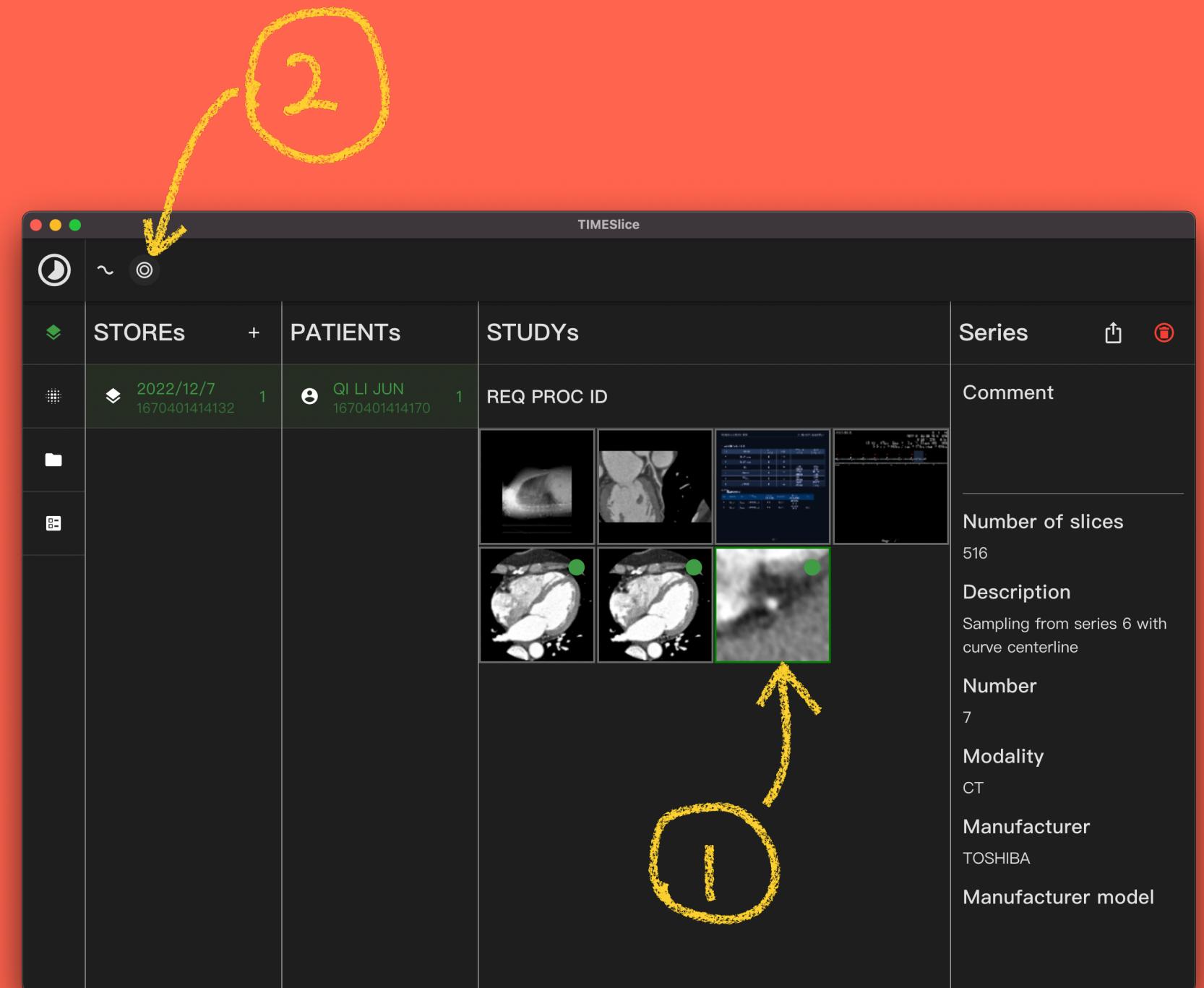
- ① Select the CENTERLINE
- ② Click the export button and the location for each POINT will be stored in a JSON file



Open CONTOUR Module

CONTOUR

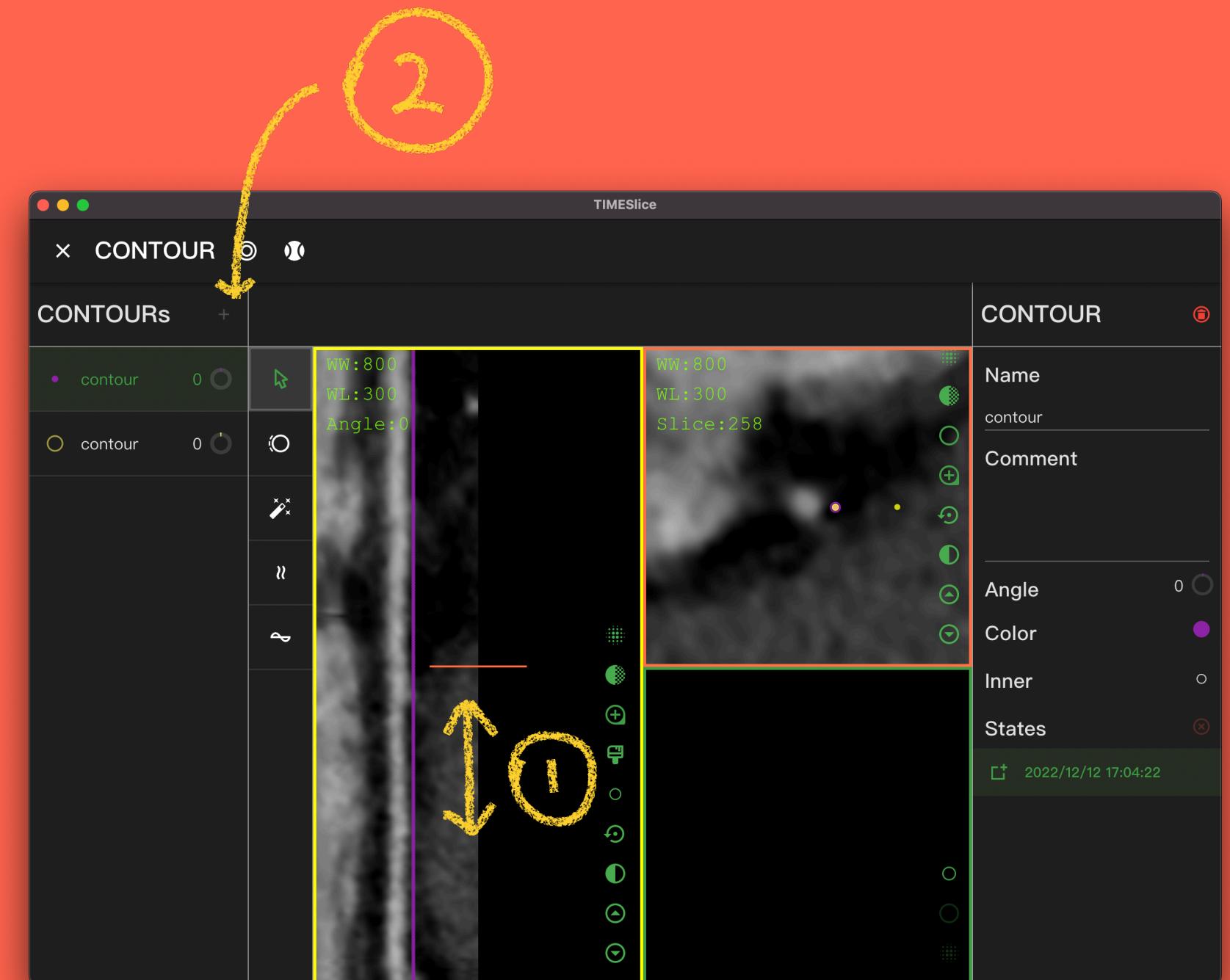
- ① Select SERIES that generated by CENTERLINE module
- ② Click the CONTOUR module button



Create CONTOUR

CONTOUR

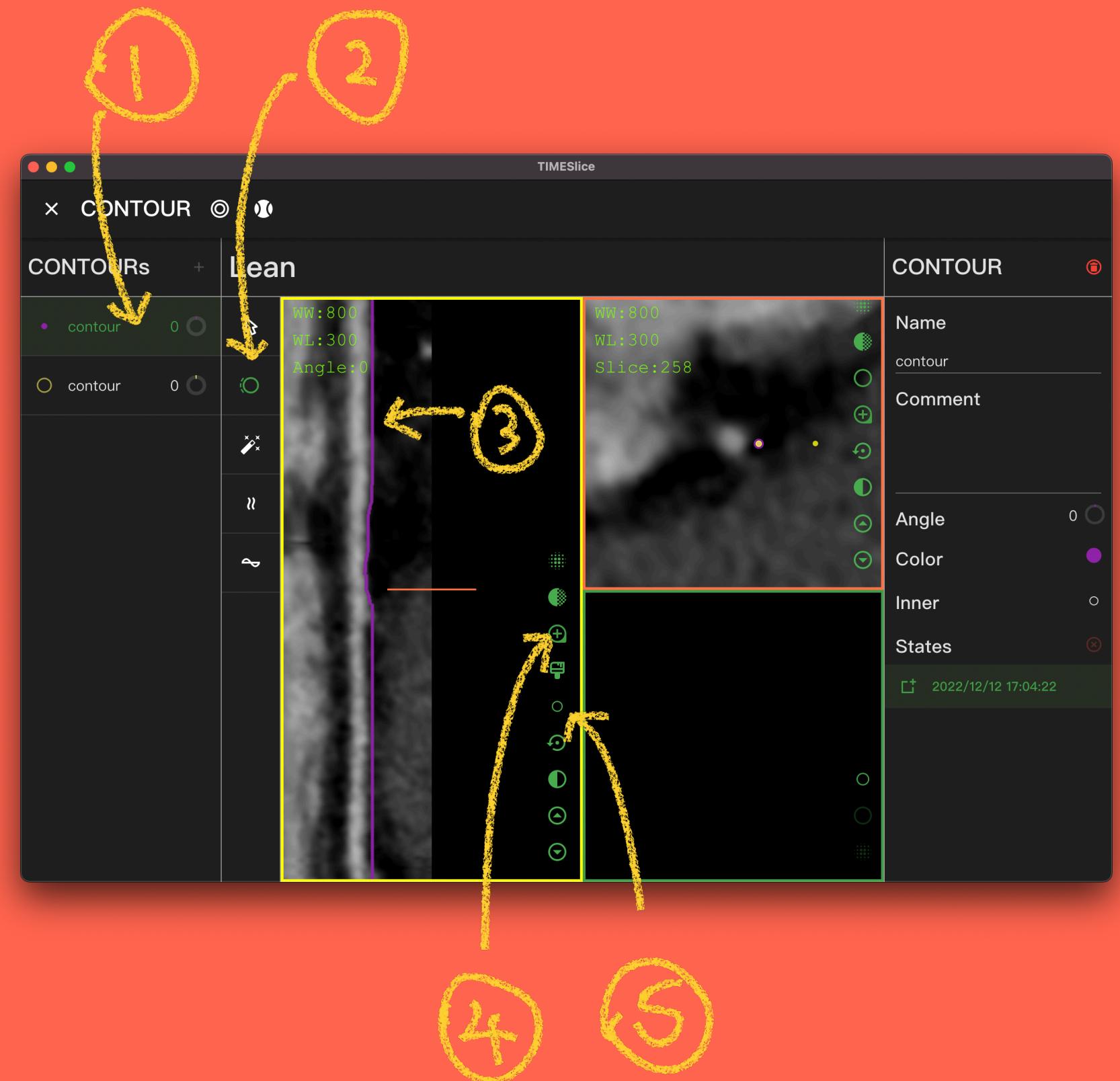
- ① Select a proper angle by sliding the axis view
- ② Click the create CONTOUR button. For each angle, at most two CONTOURS can be created. Each CONTOUR has an inner property to represent whether this CONTOUR is treated as the inner wall or outer wall. This property can be switched at the CONTOUR inspector



Lean CONTOUR

CONTOUR

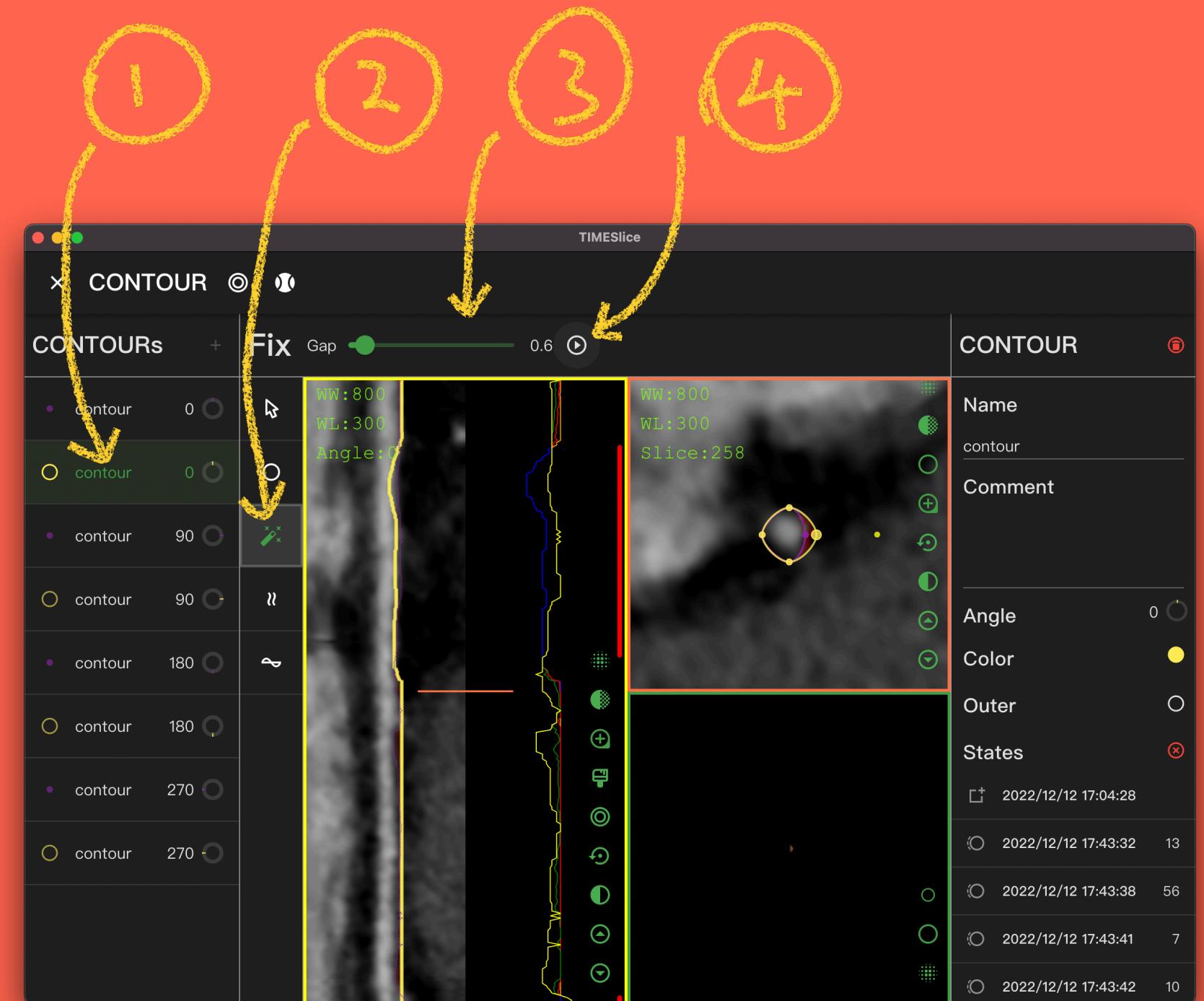
- ① Select the CONTOUR
- ② Click the lean CONTOUR button
- ③ Drag the contour to a proper location
- ④ The zoom tool may be useful to observe the vessel
- ⑤ Another CONTOUR in the same angle can be shown



Fix CONTOUR

CONTOUR

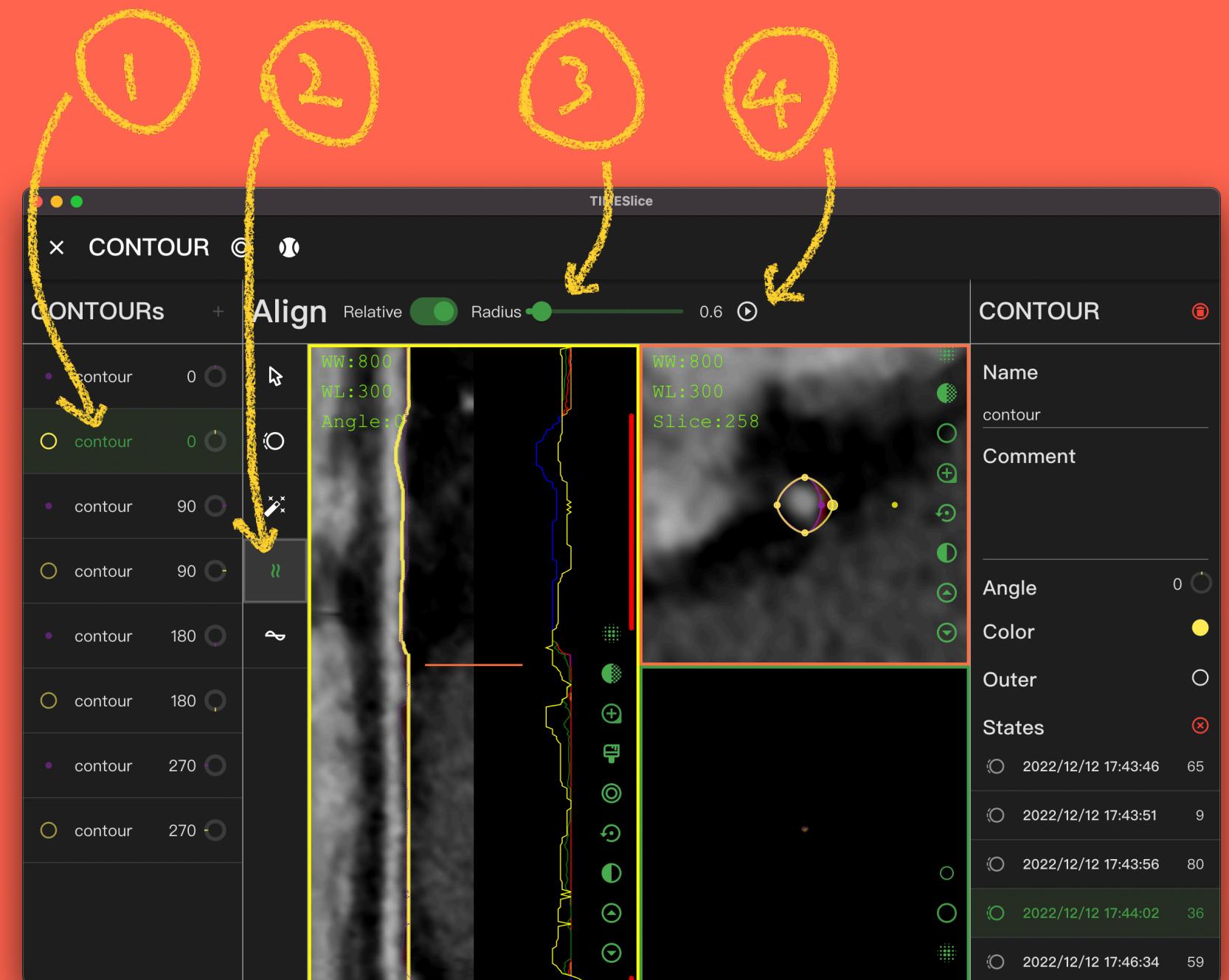
- ① Select the CONTOUR
- ② Click the fix CONTOUR button
- ③ Select a proper gap
- ④ Click the run button. This tool can fix the condition that the outer CONTOUR located inside the inner CONTOUR



Align CONTOUR

CONTOUR

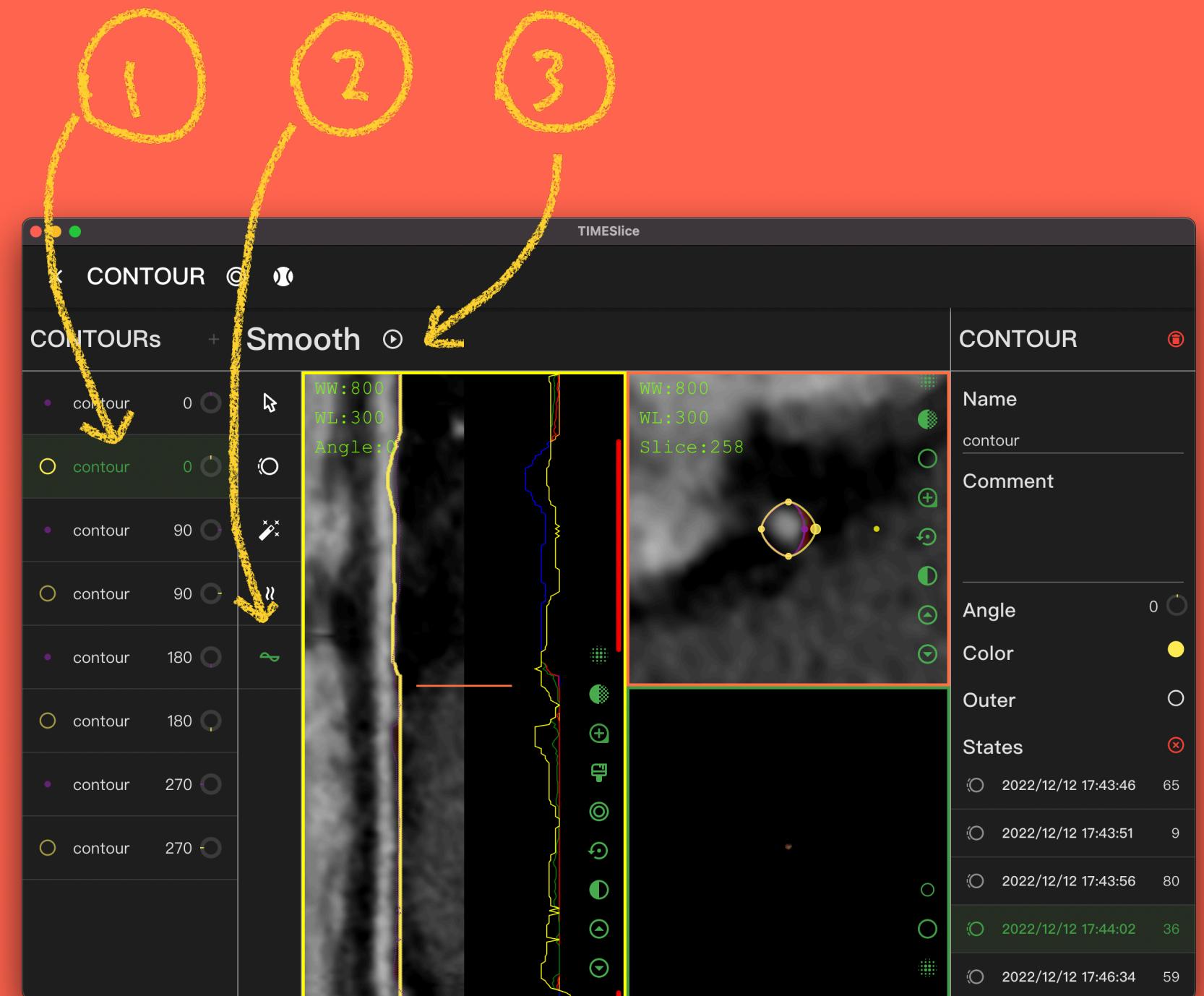
- ① Select the CONTOUR
- ② Click the align CONTOUR button
- ③ Select a proper radius
- ④ Click the run button. This tool can align the current CONTOUR based on another CONTOUR with the same angle if the relative switch button is open or based on the center of the image if the switch button is close



Smooth CONTOUR

CONTOUR

- ① Select the CONTOUR
- ② Click the smooth CONTOUR button
- ③ Click the run button



Reset CONTOUR state

CONTOUR

- ① Select the CONTOUR
- ② Click item at the CONTOUR states list to reset CONTOUR to a previous state

