Angioplasty Summit 2008, Seoul
2008/4/24 1115-1130 Symposium Arena
Euro – Asia CTO Club

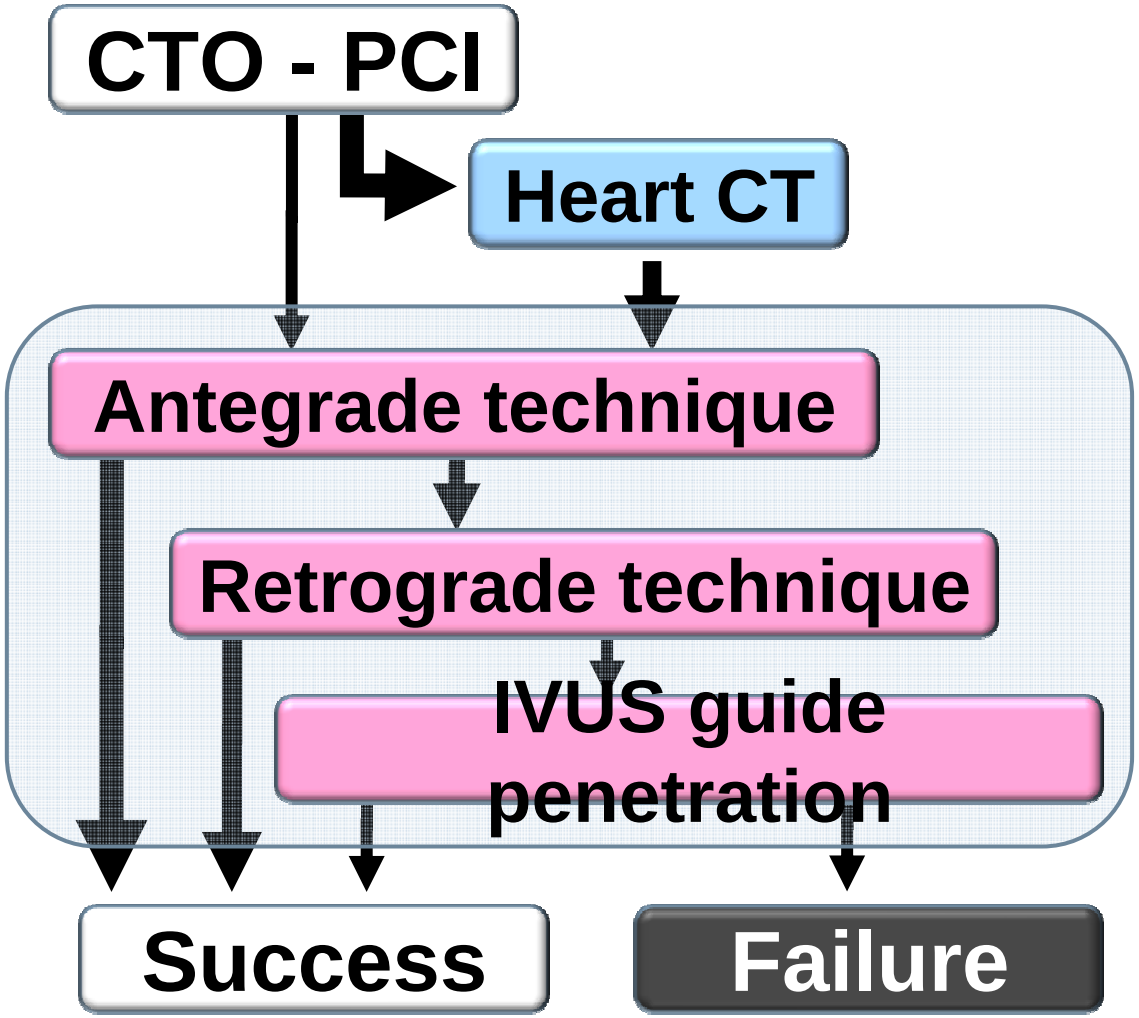
HeartCT guided CTO-PCI

Satoru Sumitsuji MD FACC.
Director of Heart Center, Tokushukai Hospital
Associate Professor, ACT of Osaka University

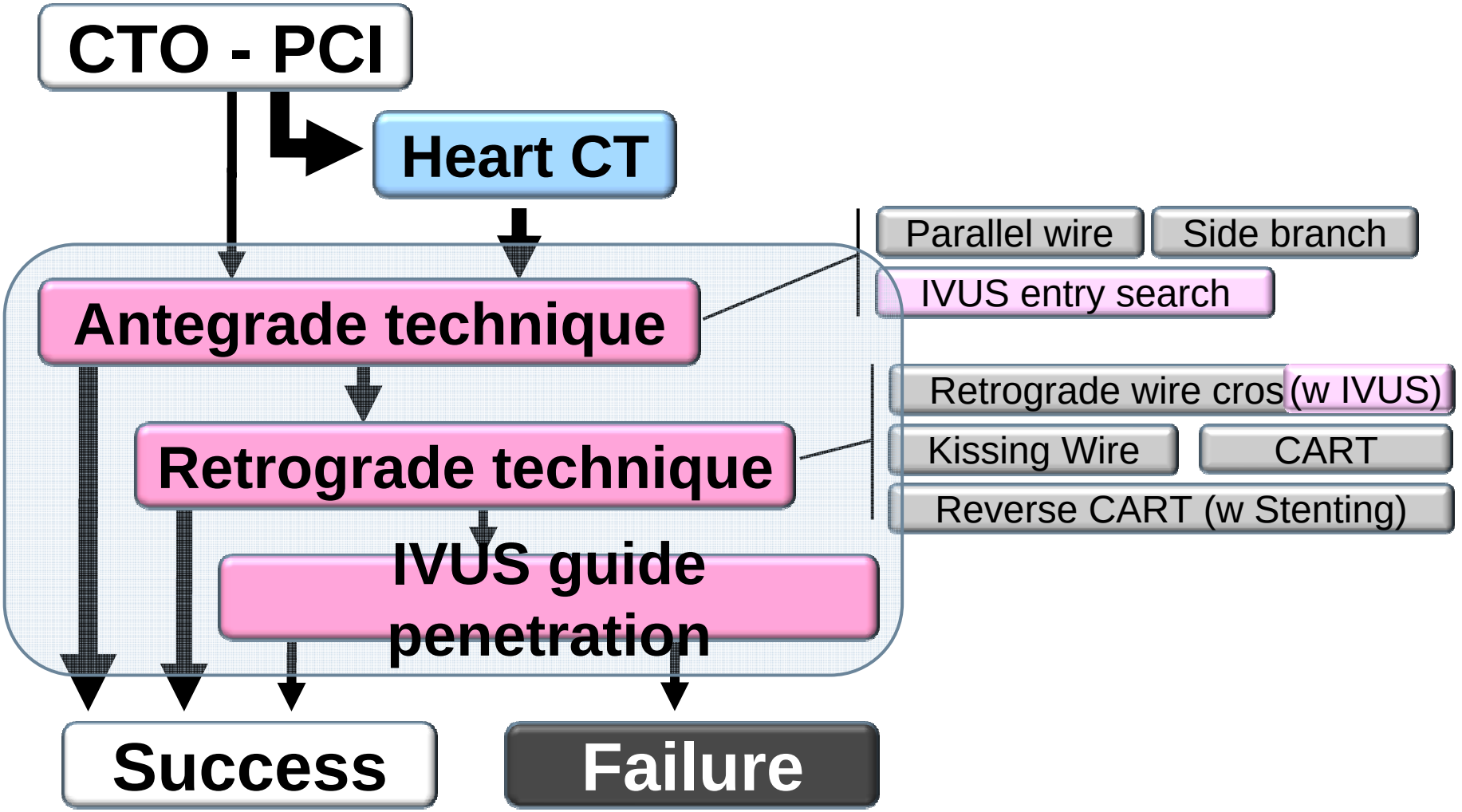
My schedule in TCT-Asia

Date	Time	Place	Session	Subject	Title	Role
April 23, 2008	3:30 PM ~ 4:30 PM	Coronary Arena	[Coronary Arena] Intensive Live Case Session 1	Live Case Transmission from Toyohashi Heart Center, Japan	-	Discussant
April 24, 2008	11:15 AM ~ 11:30 AM	Symposium Arena	Euro-Asia CTO Club	-	Cardiac CT Guided CTO Intervetntion	Lecturer
April 25, 2008	07:10 AM ~ 07:20 AM	Room 2-3	Breakfast Meetings - Meet the Experts: Mini-Lectures and Case Discussions	#10. Physiology & Imaging: IVUS, CT, OCT, and FFR	Imaging Supported Complex PCI: Heart CT and IVUS	Lecturer

My CTO-PCI strategy (2008/4)



My CTO-PCI strategy (2008/4)

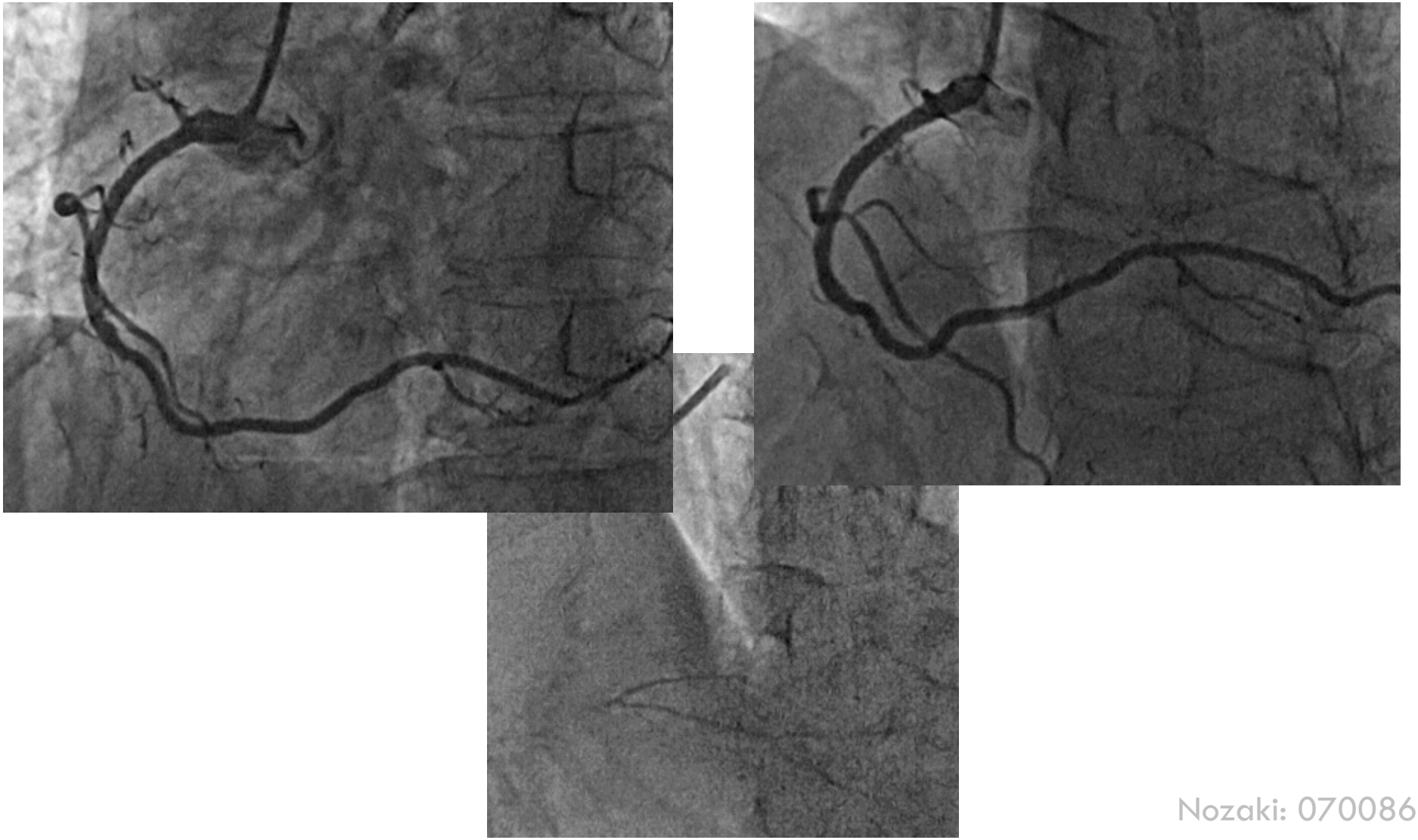


Advantages of Heart CT for CTO-PCI

- With using Heart CT, we can get information of

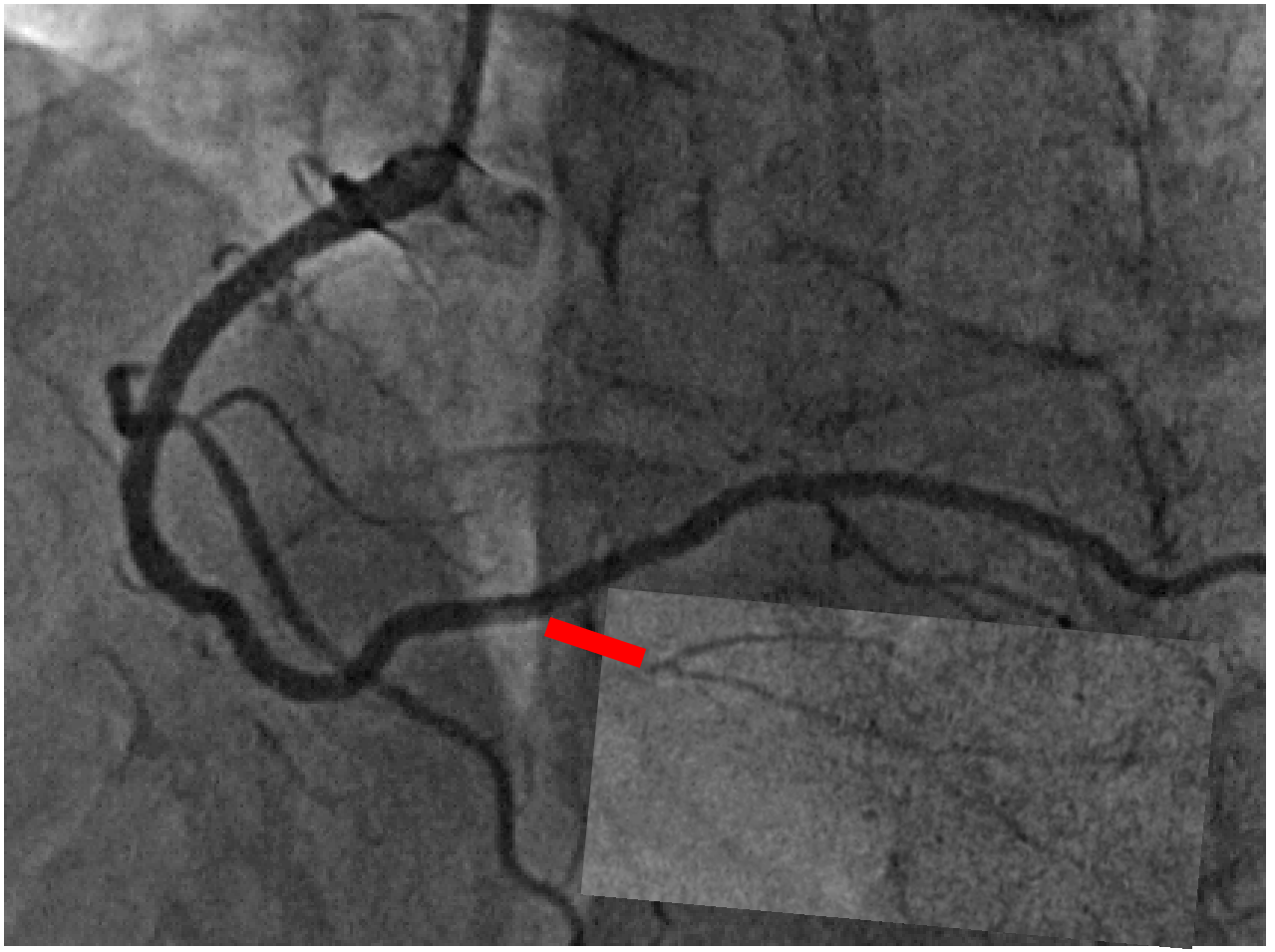
1. Position of entry point
2. Length, size, tortuous in occluded segment
3. Plaque character including Calcium
4. Best projection angle

Case 1



Nozaki: 070086

HCT supported CTO-PCI



HCT supported CTO-PCI

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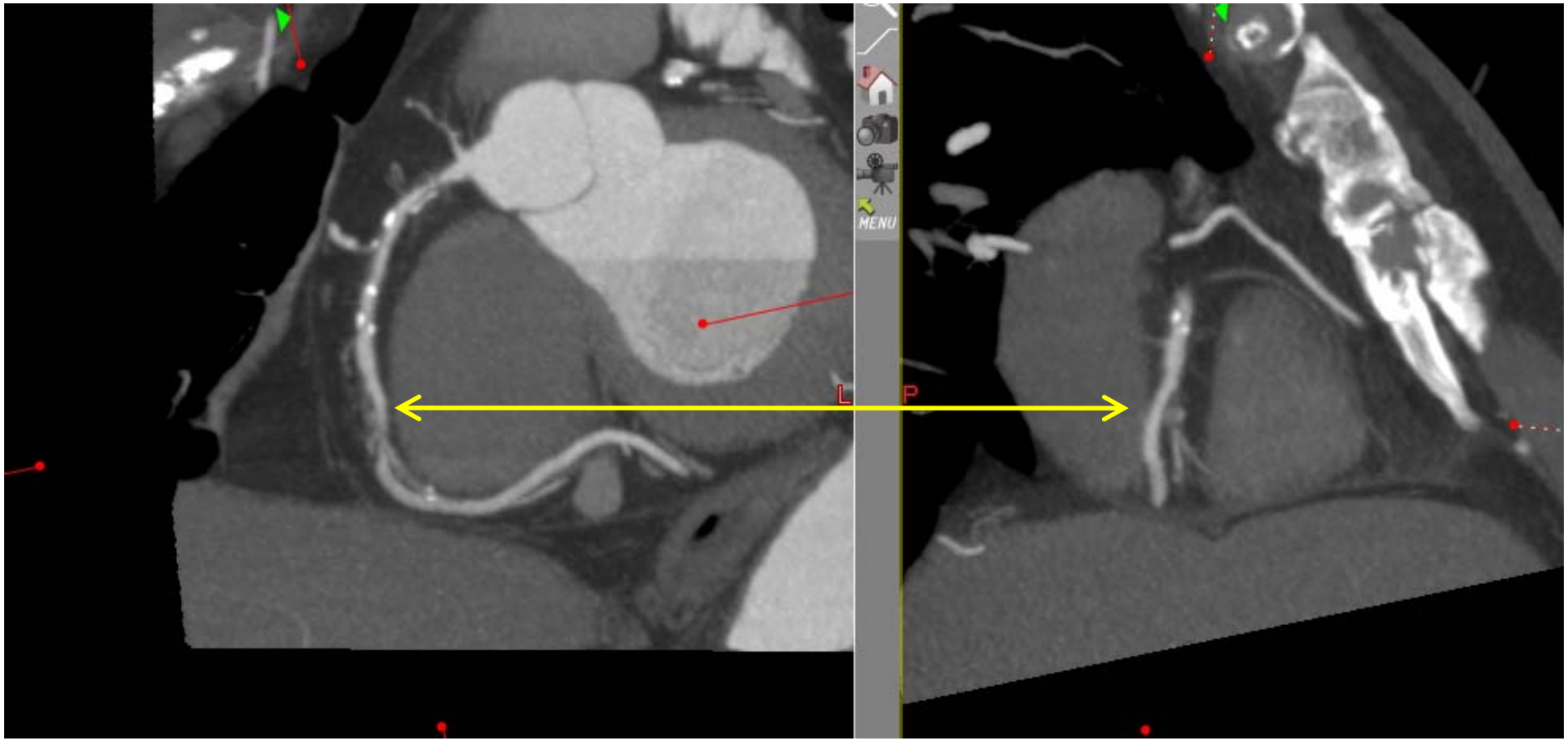

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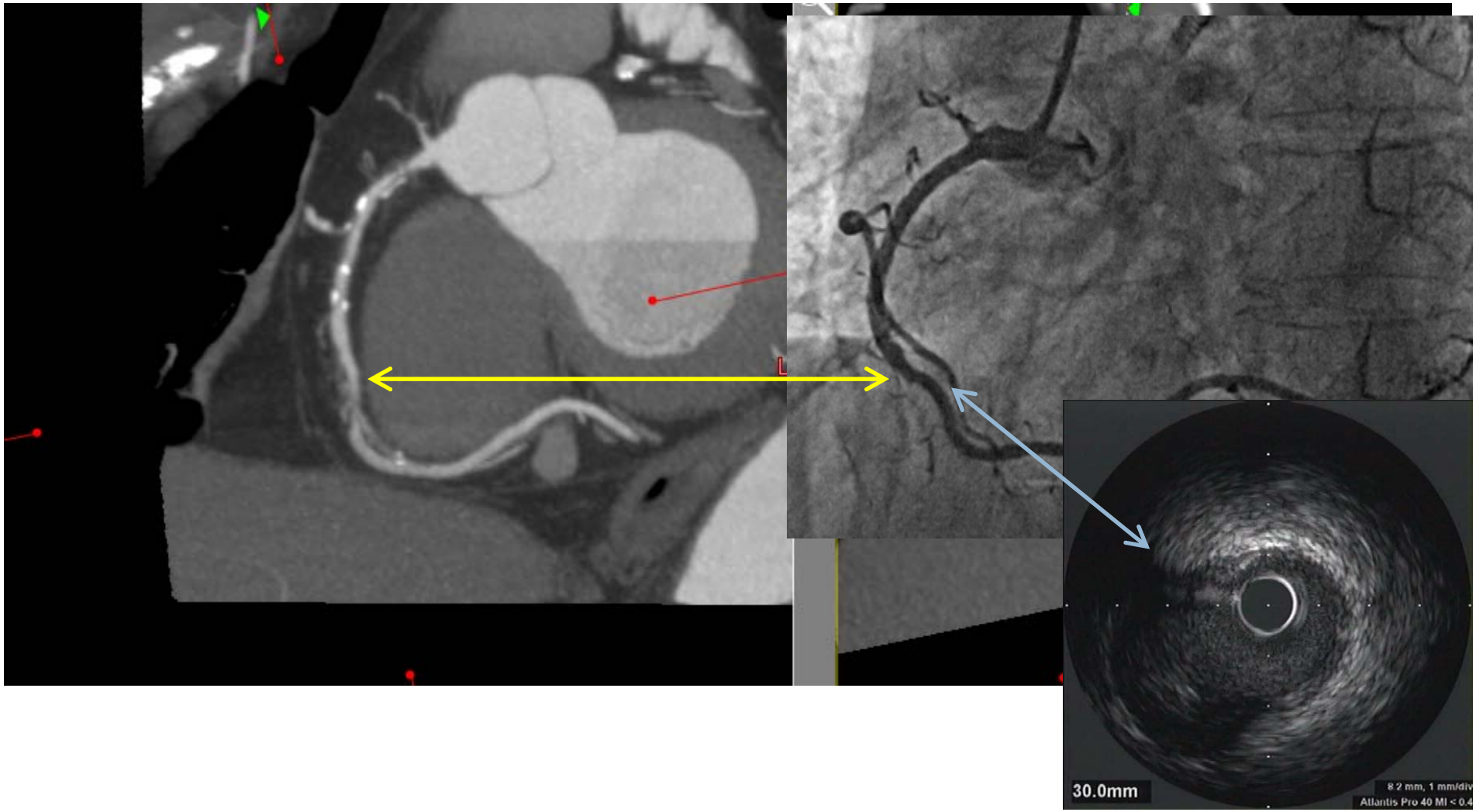
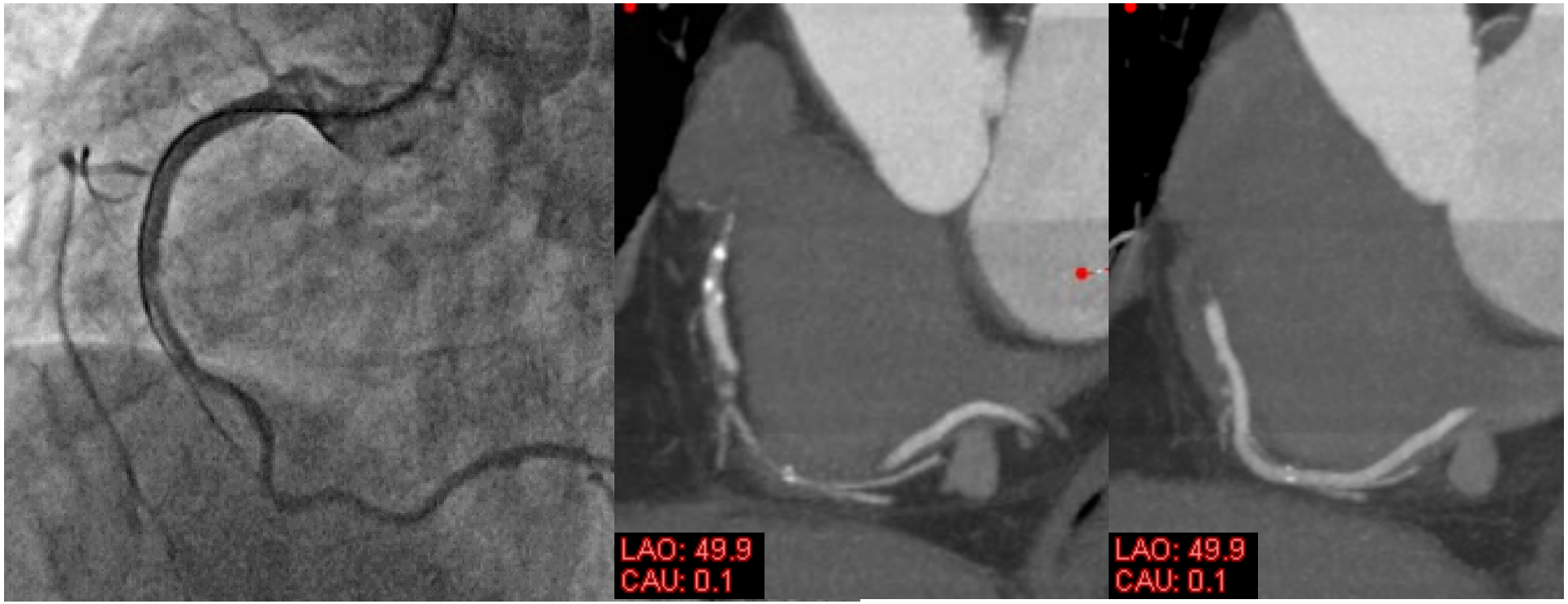


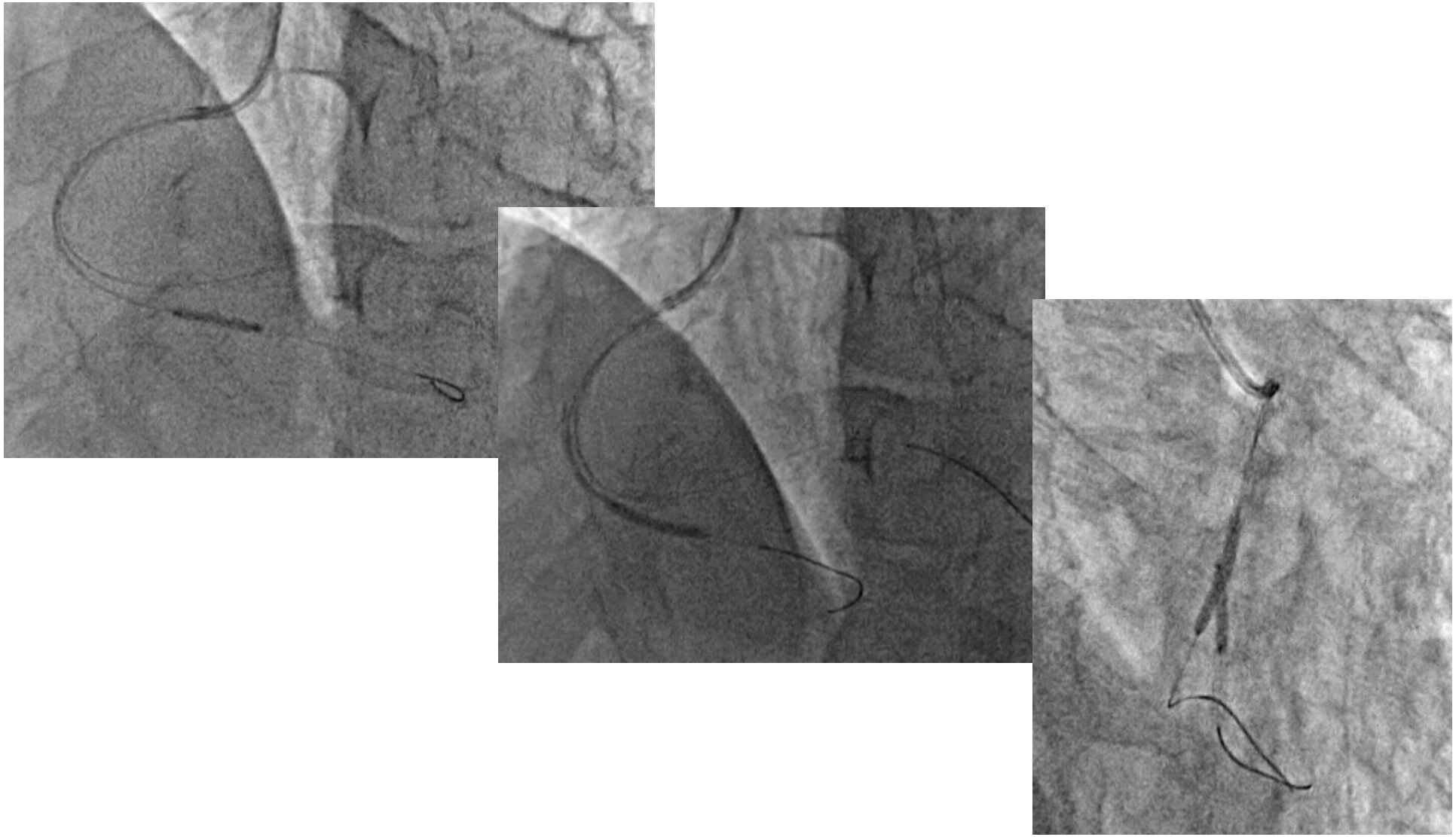
HCT supported CTO-PCI

Wiring started with usual RAO view (RAO 40), however HCT showed better angle RAO50 CAU10.

HCT supported CTO-PCI

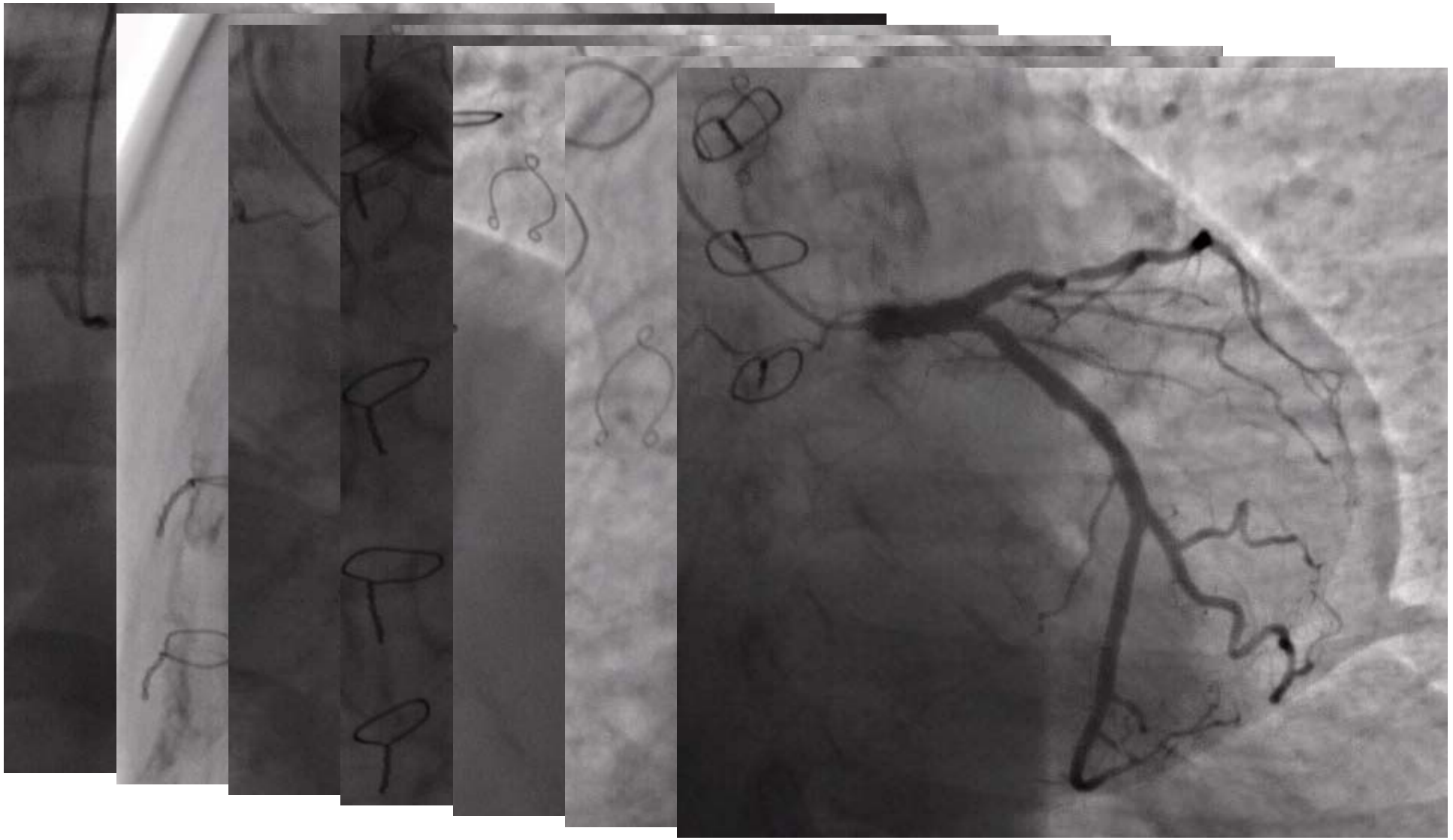


HCT supported CTO-PCI

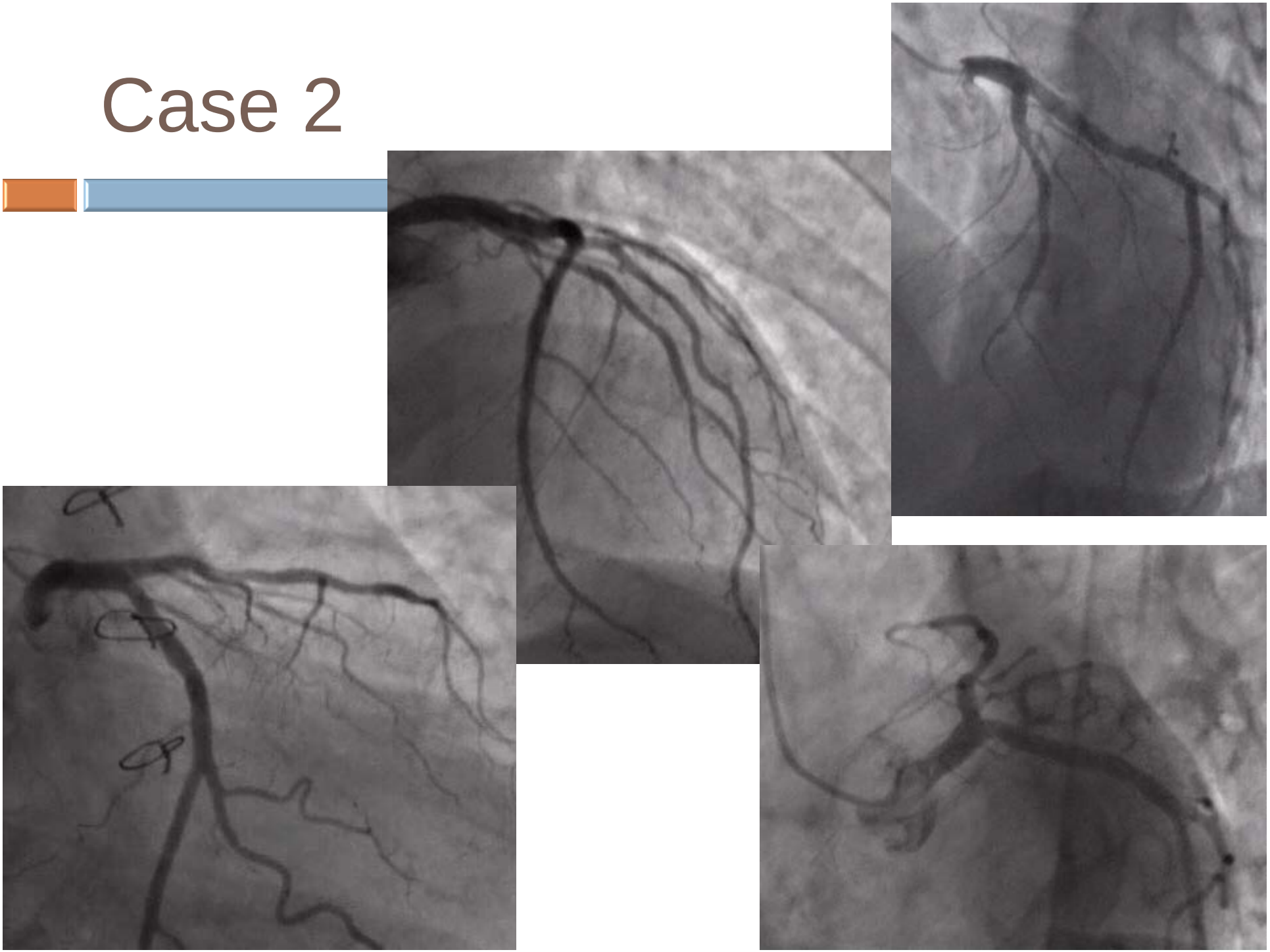


HCT supported CTO-PCI

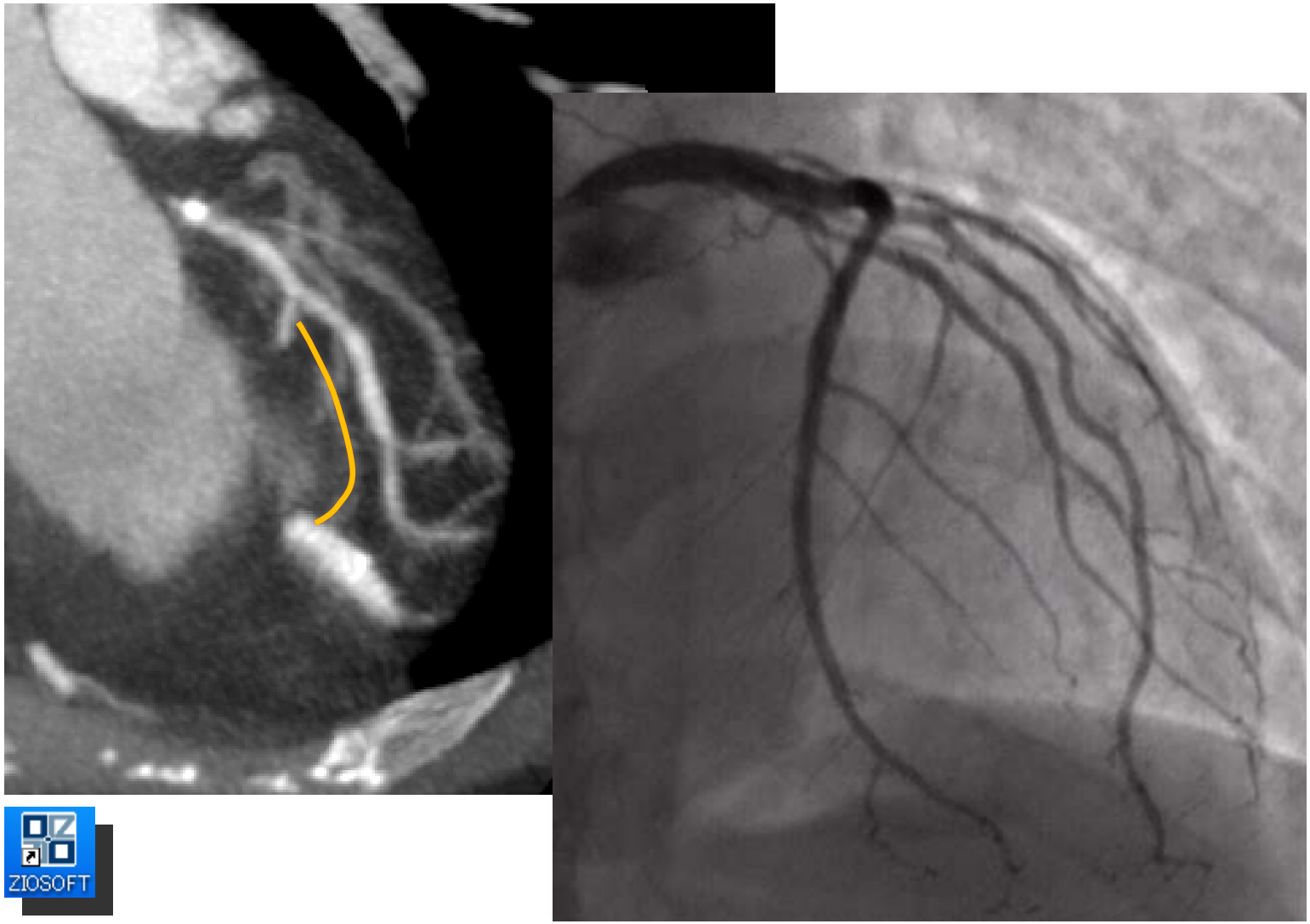
Case 2



Case 2



Invisible CTO



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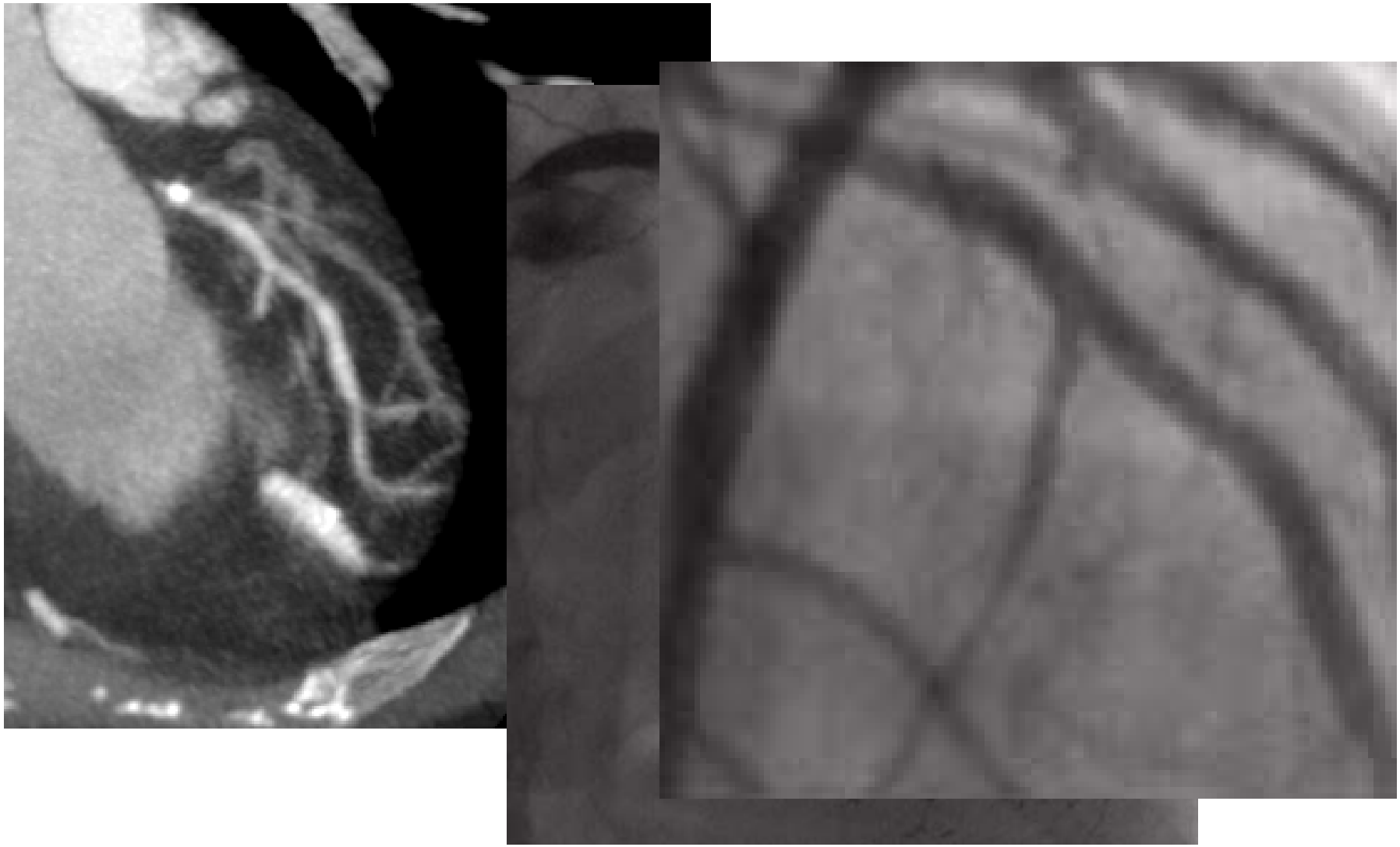
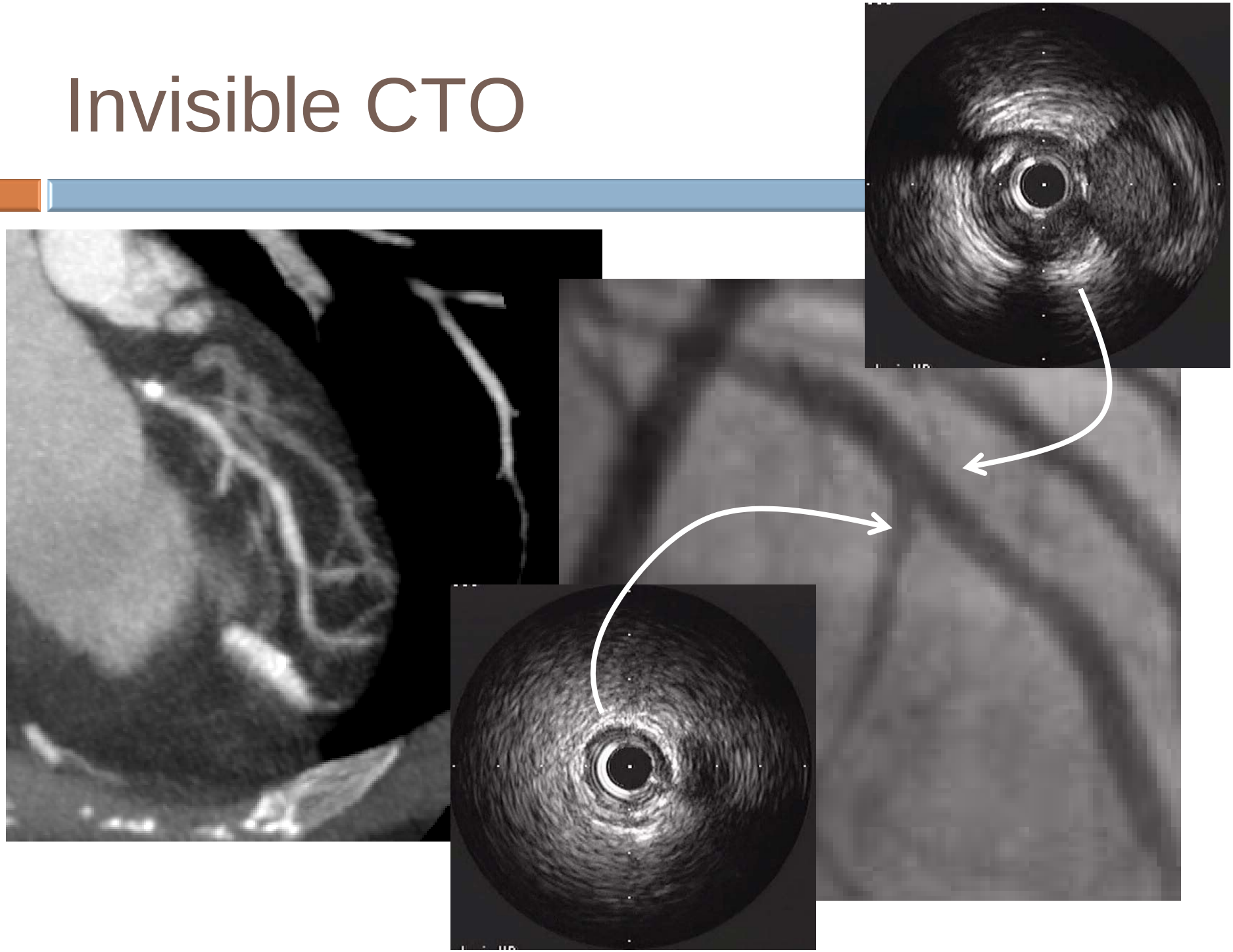
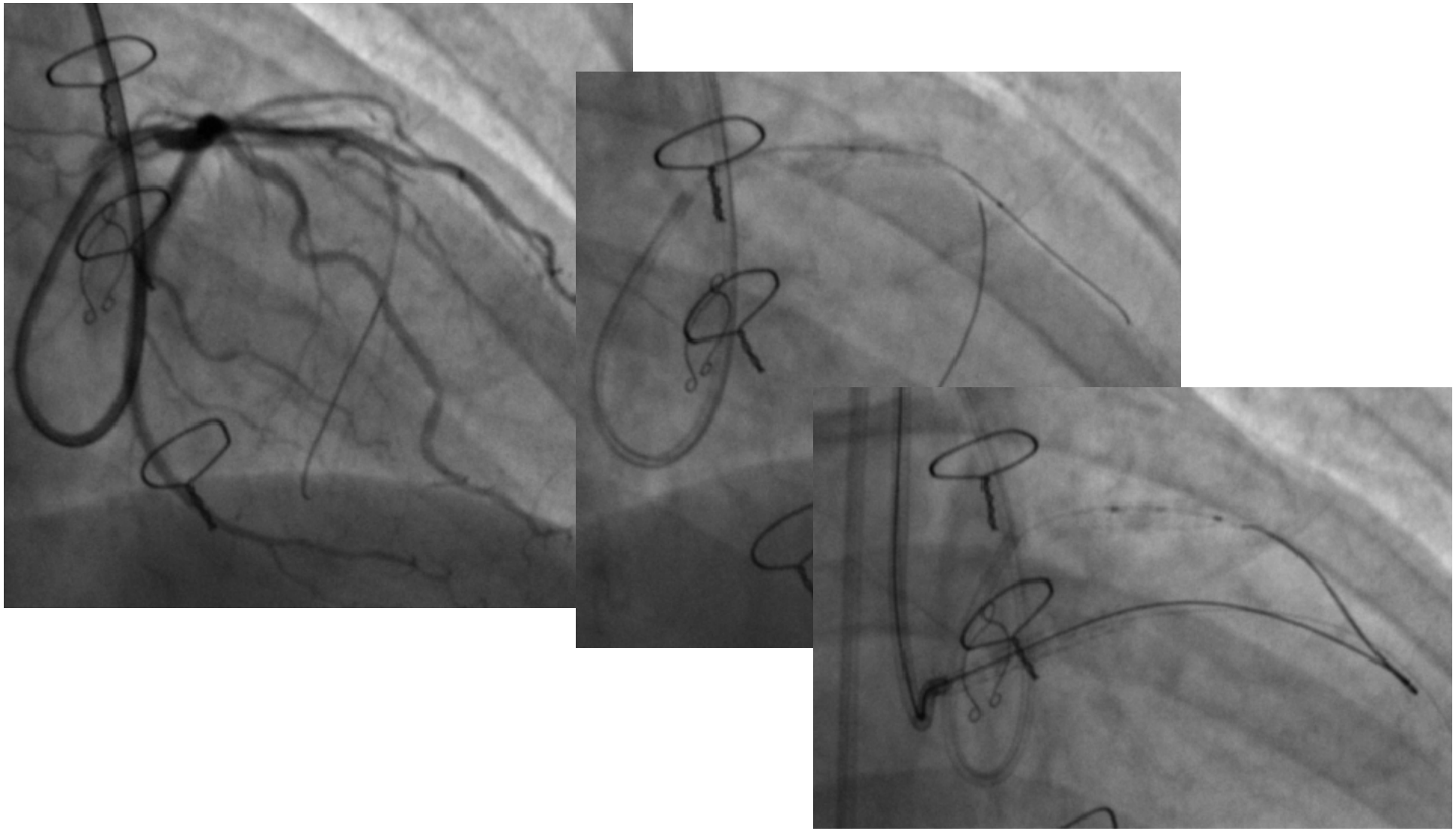


Invisible CTO



Invisible CTO

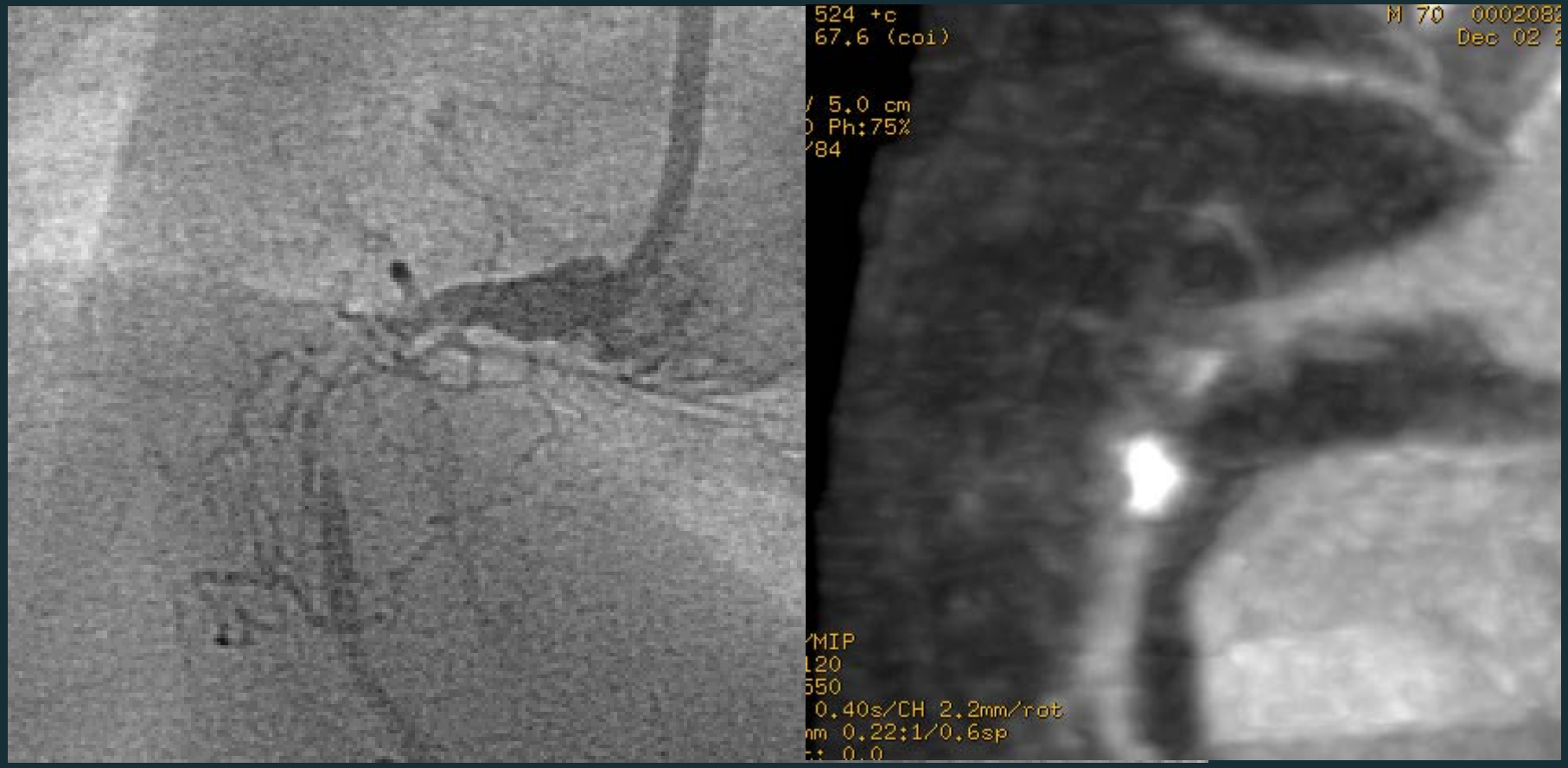


Skip

Case 3

RGMC: 0412043 & 0502022

Case; CT made CTO more easier



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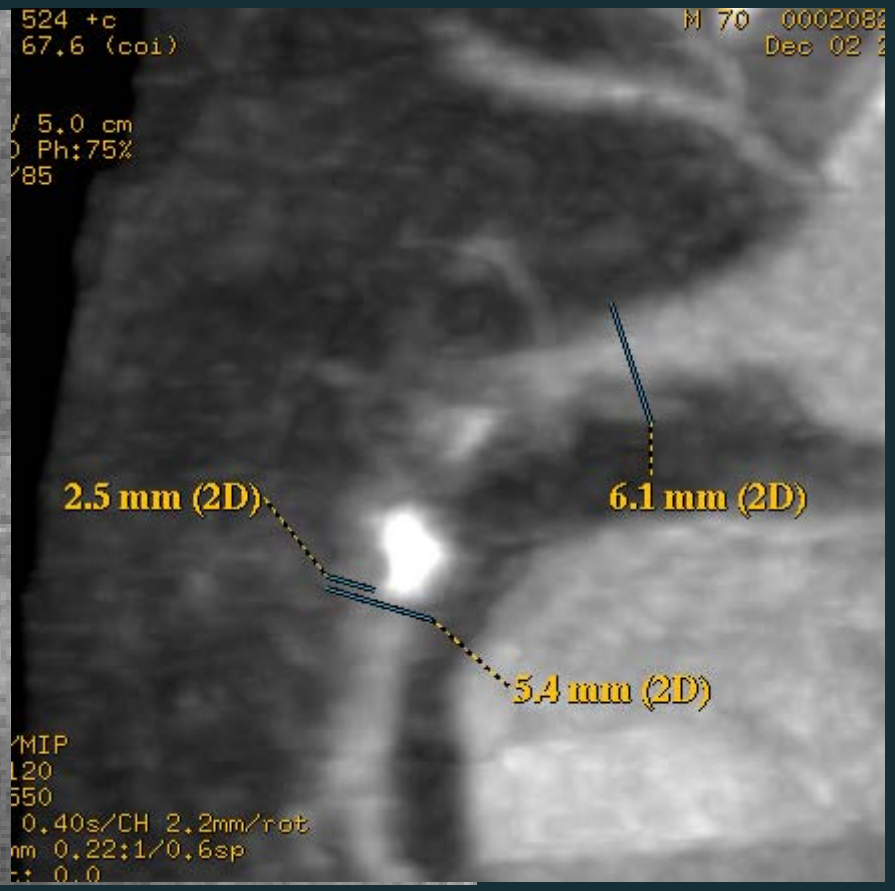
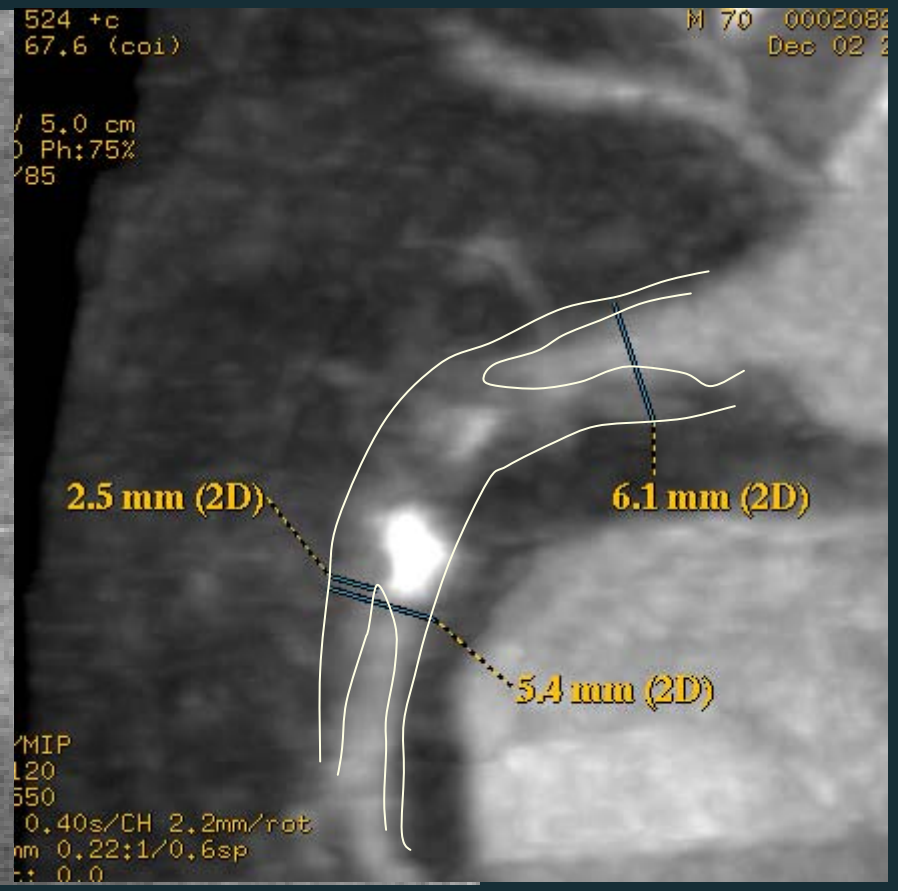


RGMC: 0412043 & 0502022

CTO PCI with MSCT

true route determination



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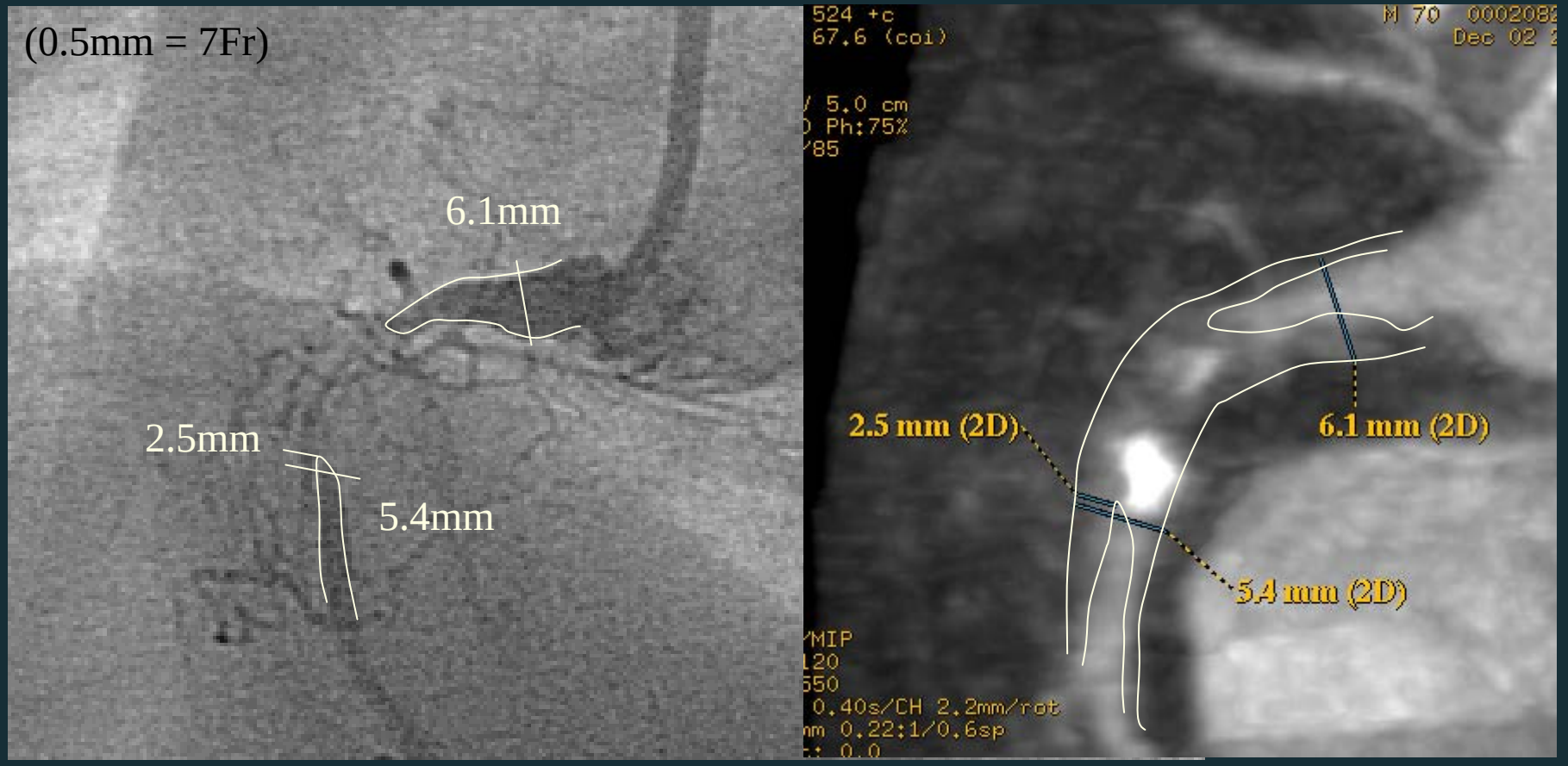

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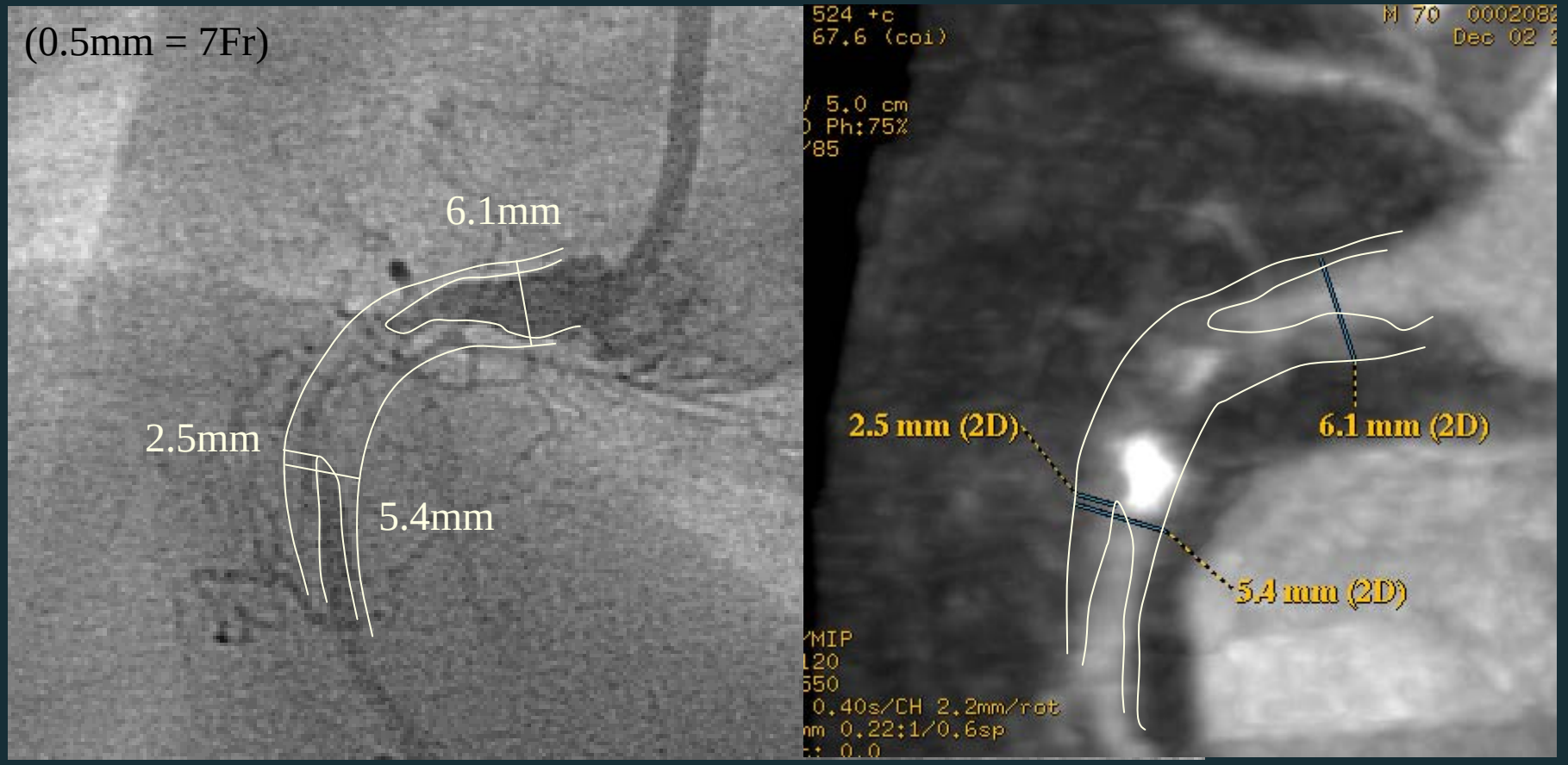

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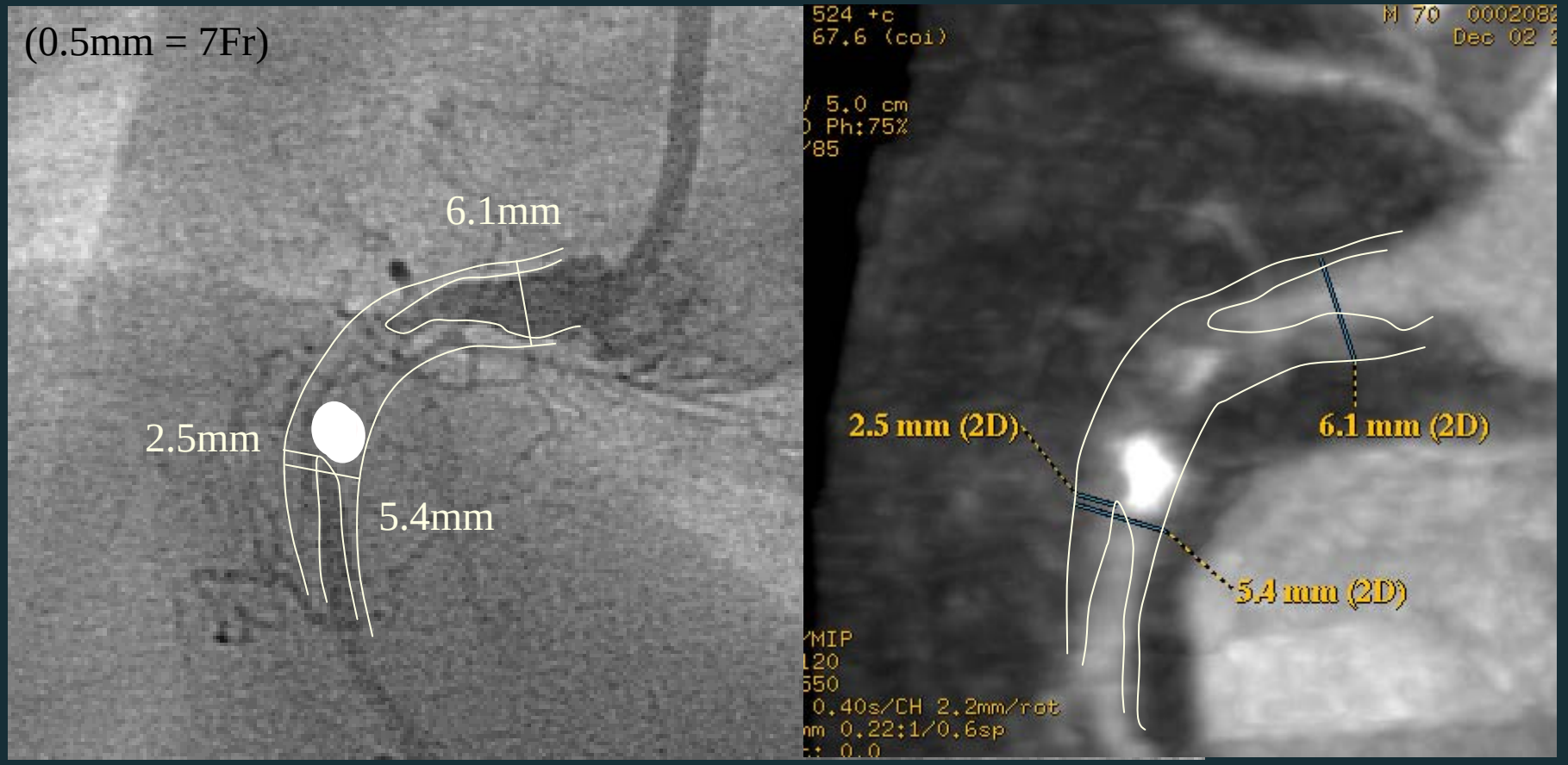

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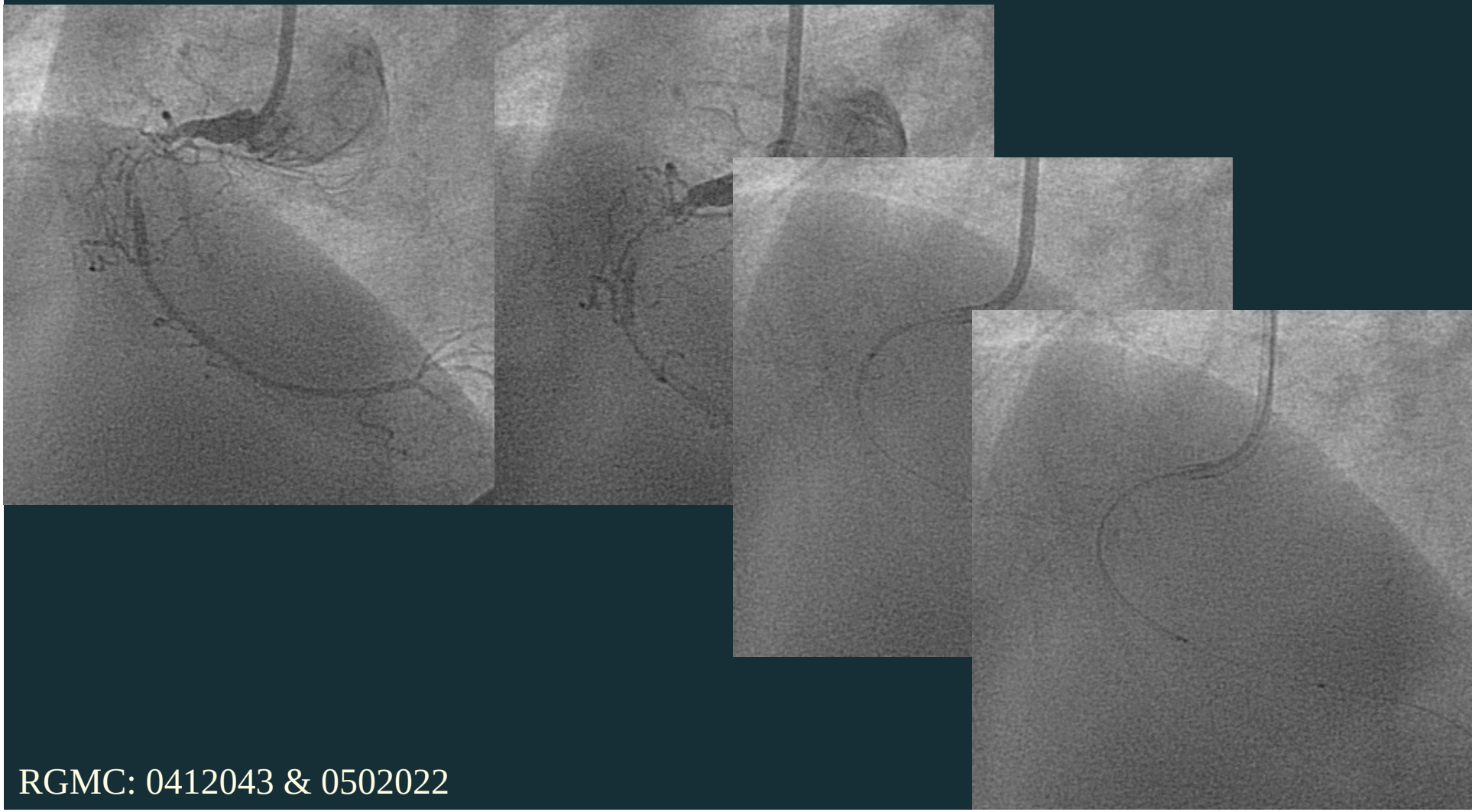

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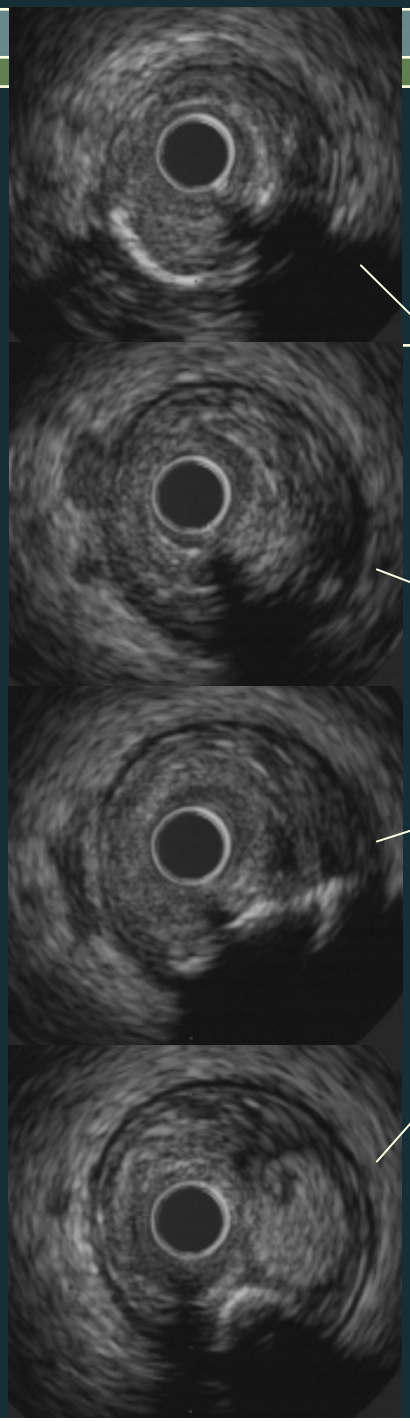
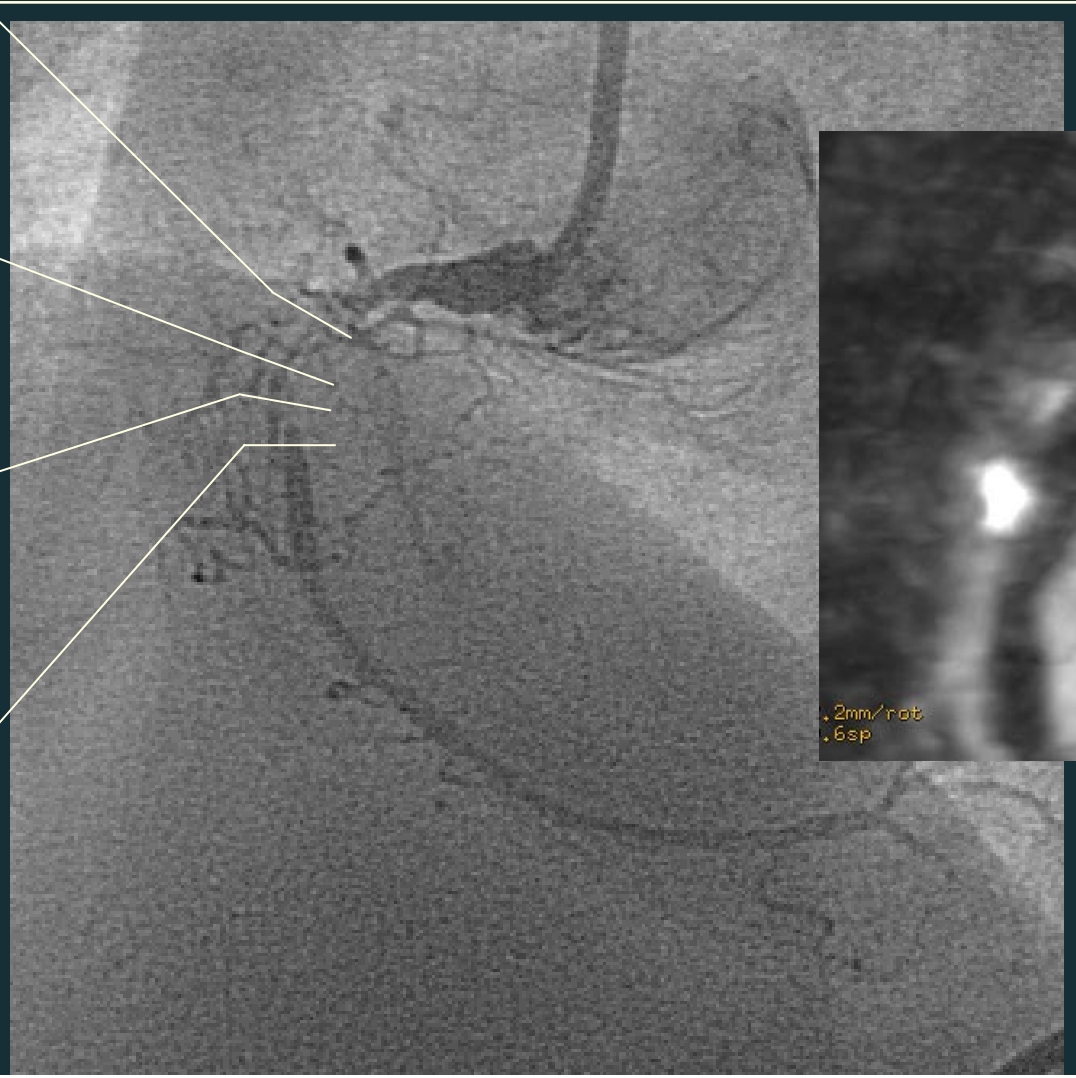
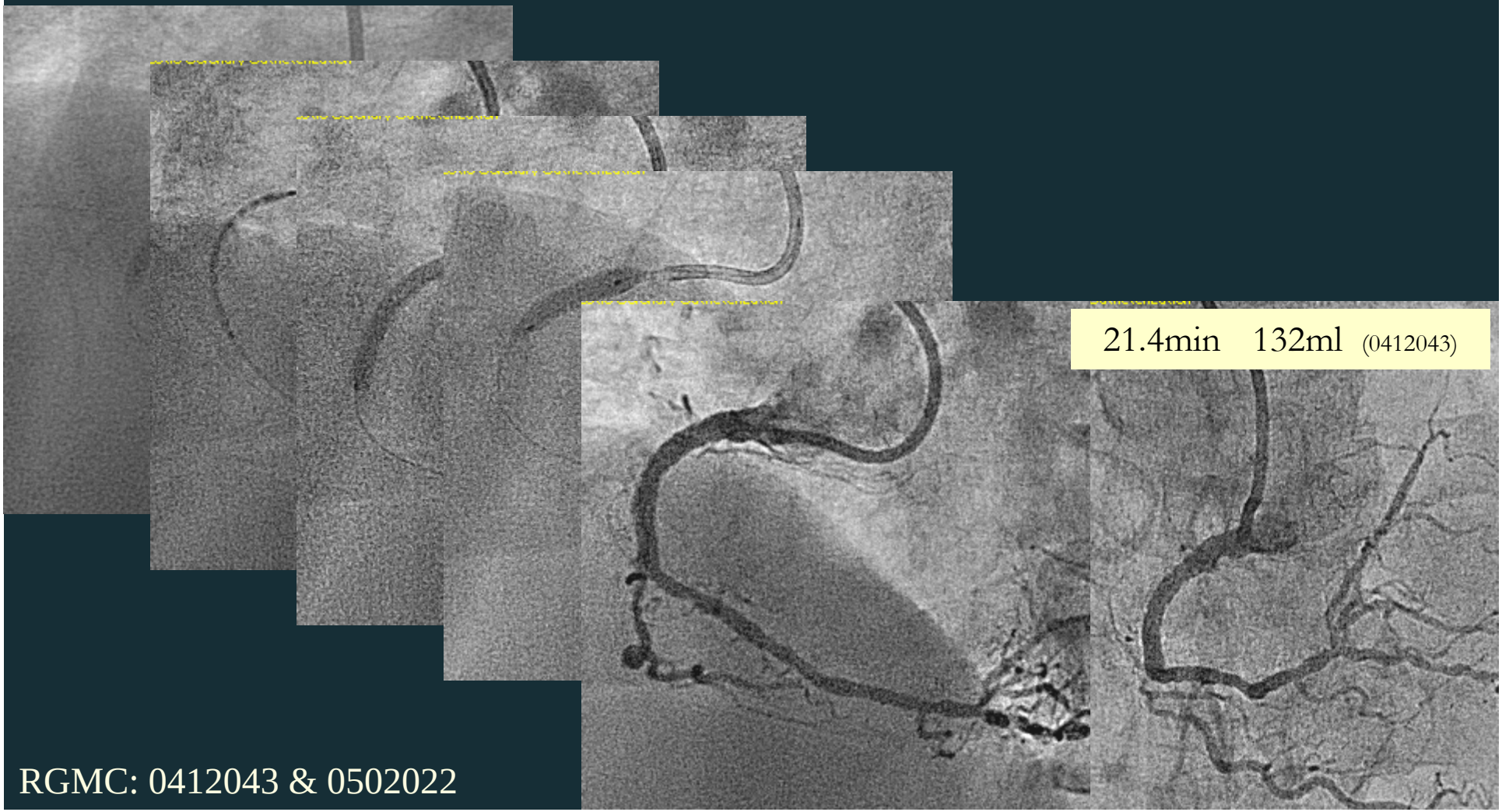


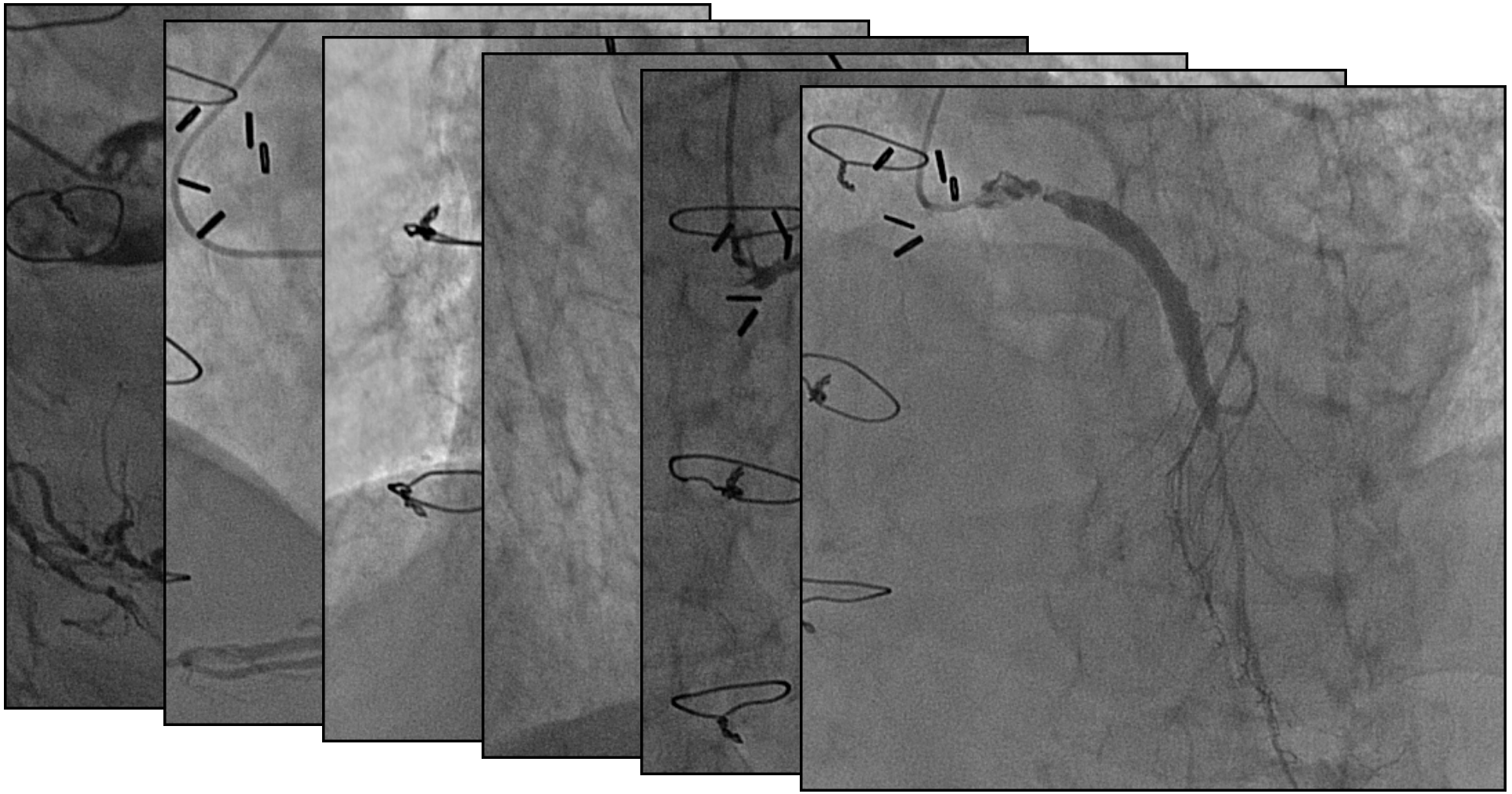


Case; CT made CTO more easier



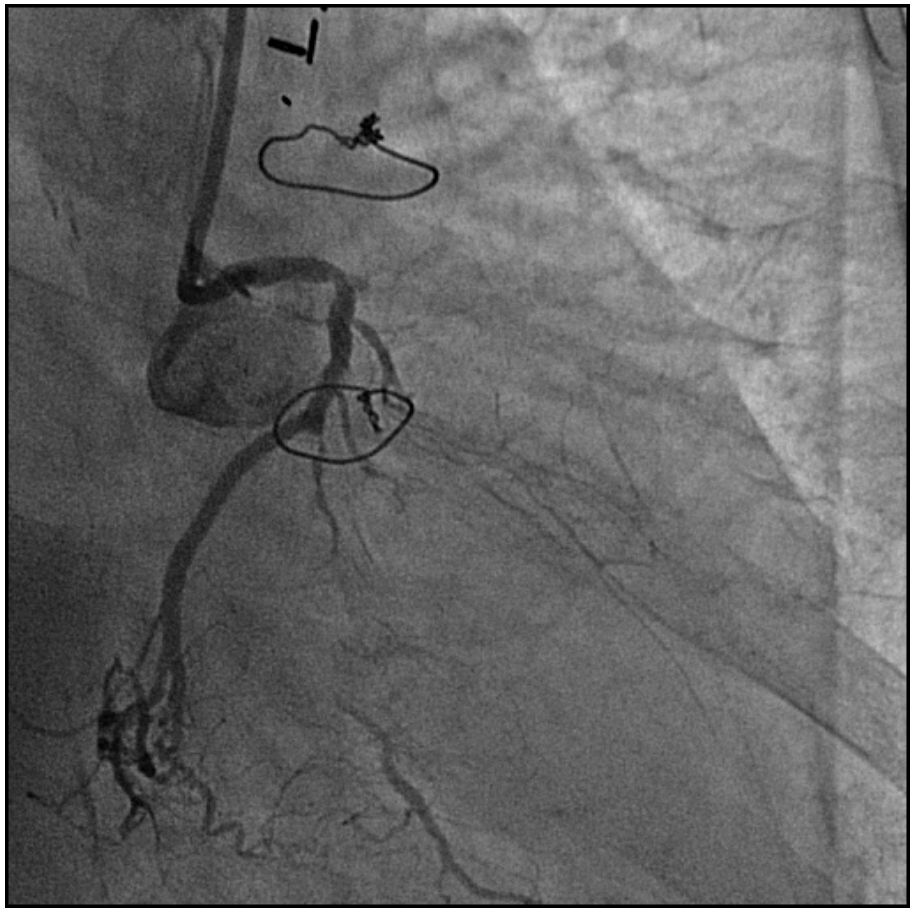
RGMC: 0412043 & 0502022

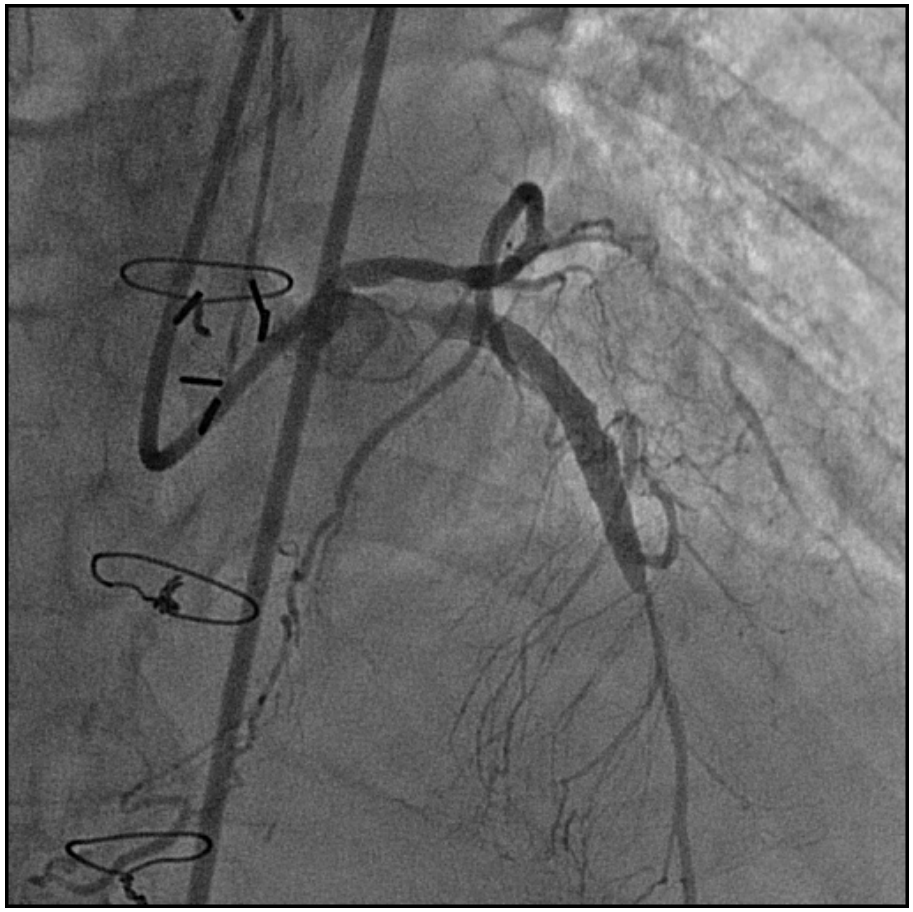
Case 4



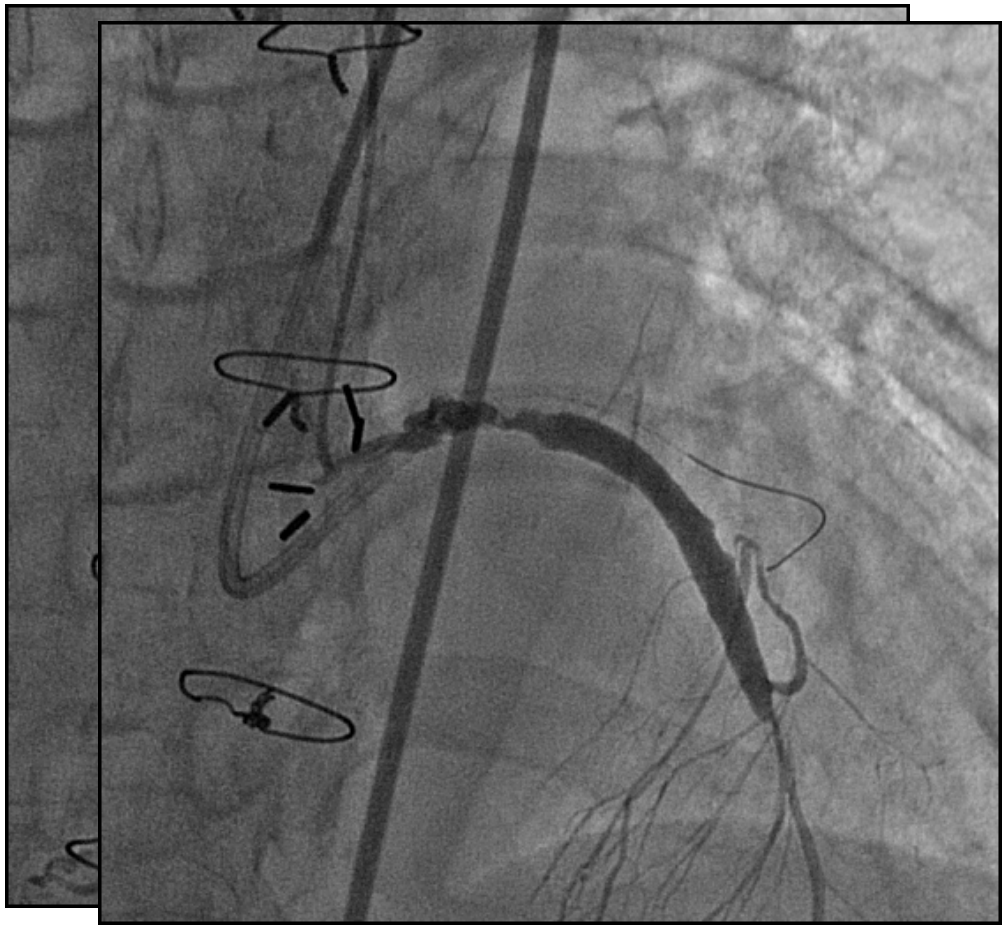
Heart CT

Stage1 CTO-PCI for LAD (1)

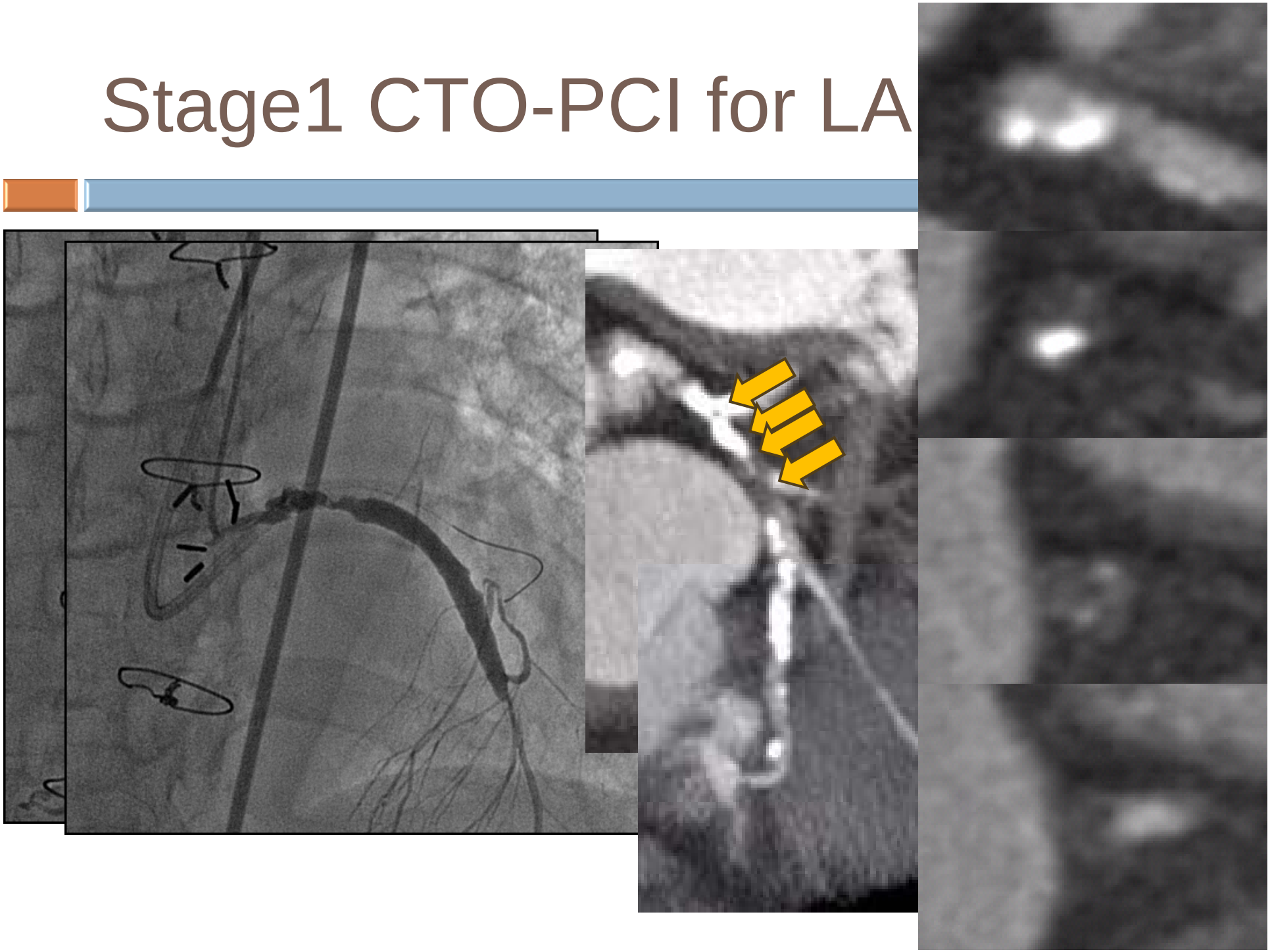




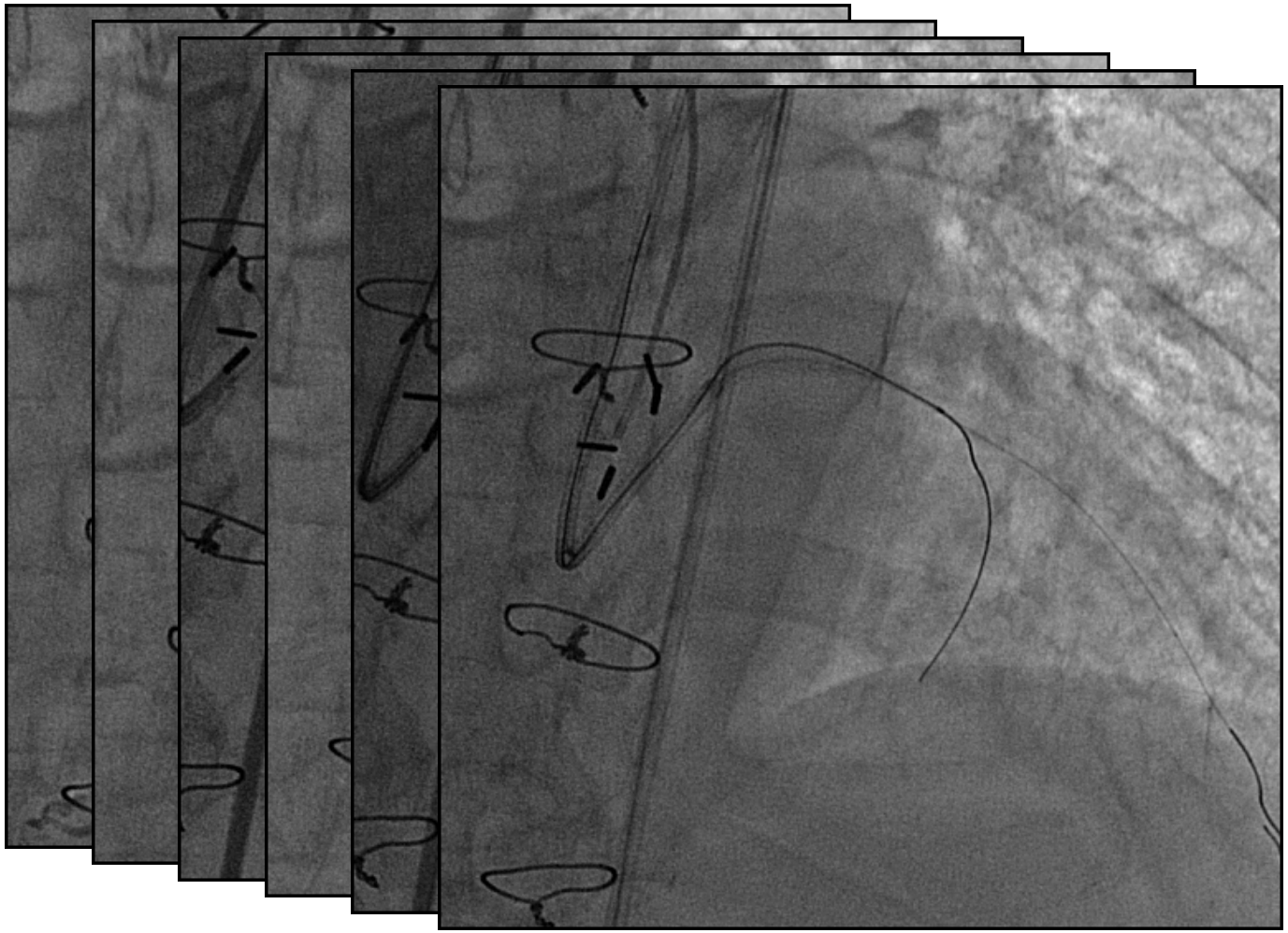
Stage1 CTO-PCI for LAD (1)



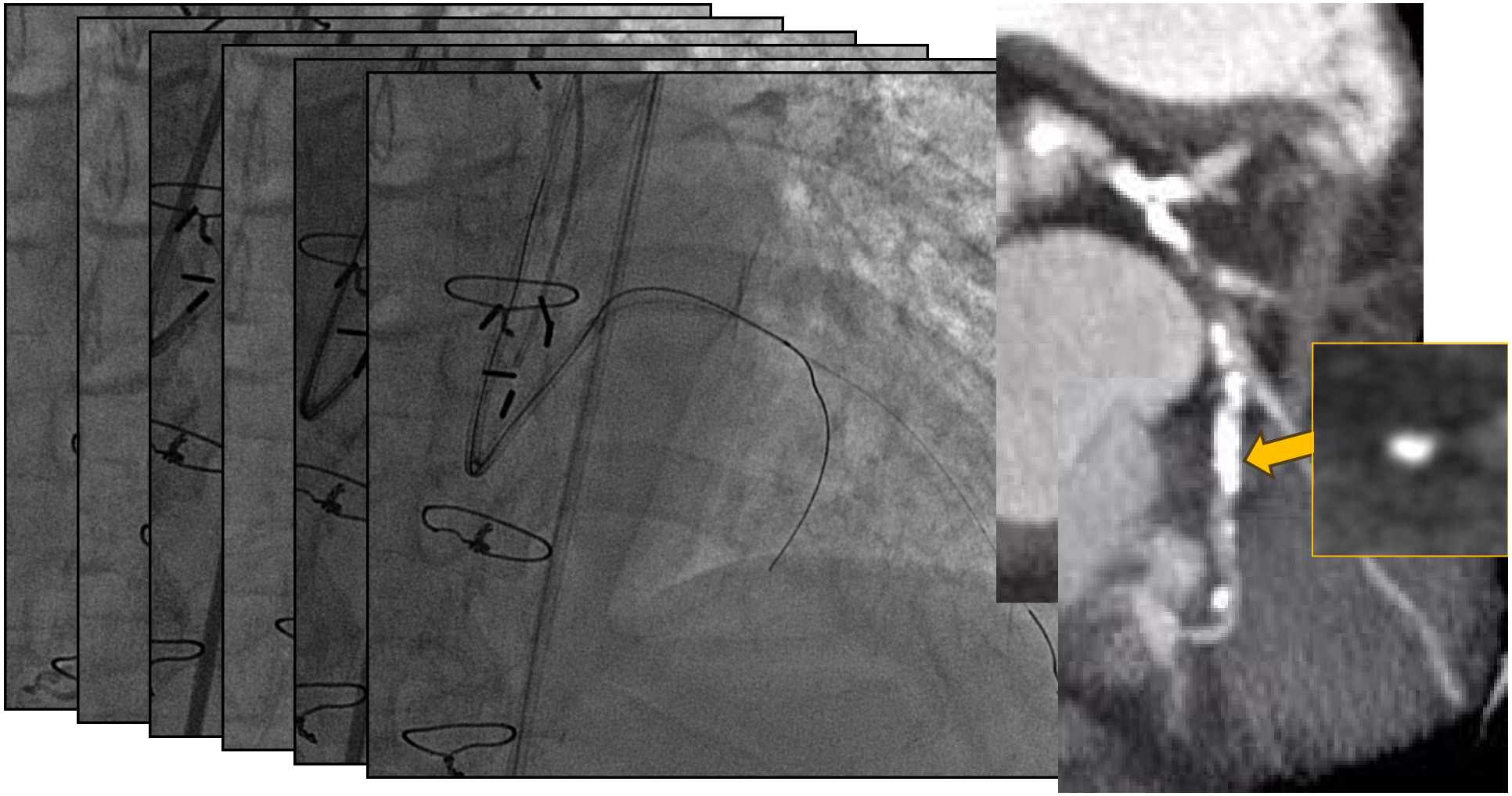
Stage1 CTO-PCI for LA



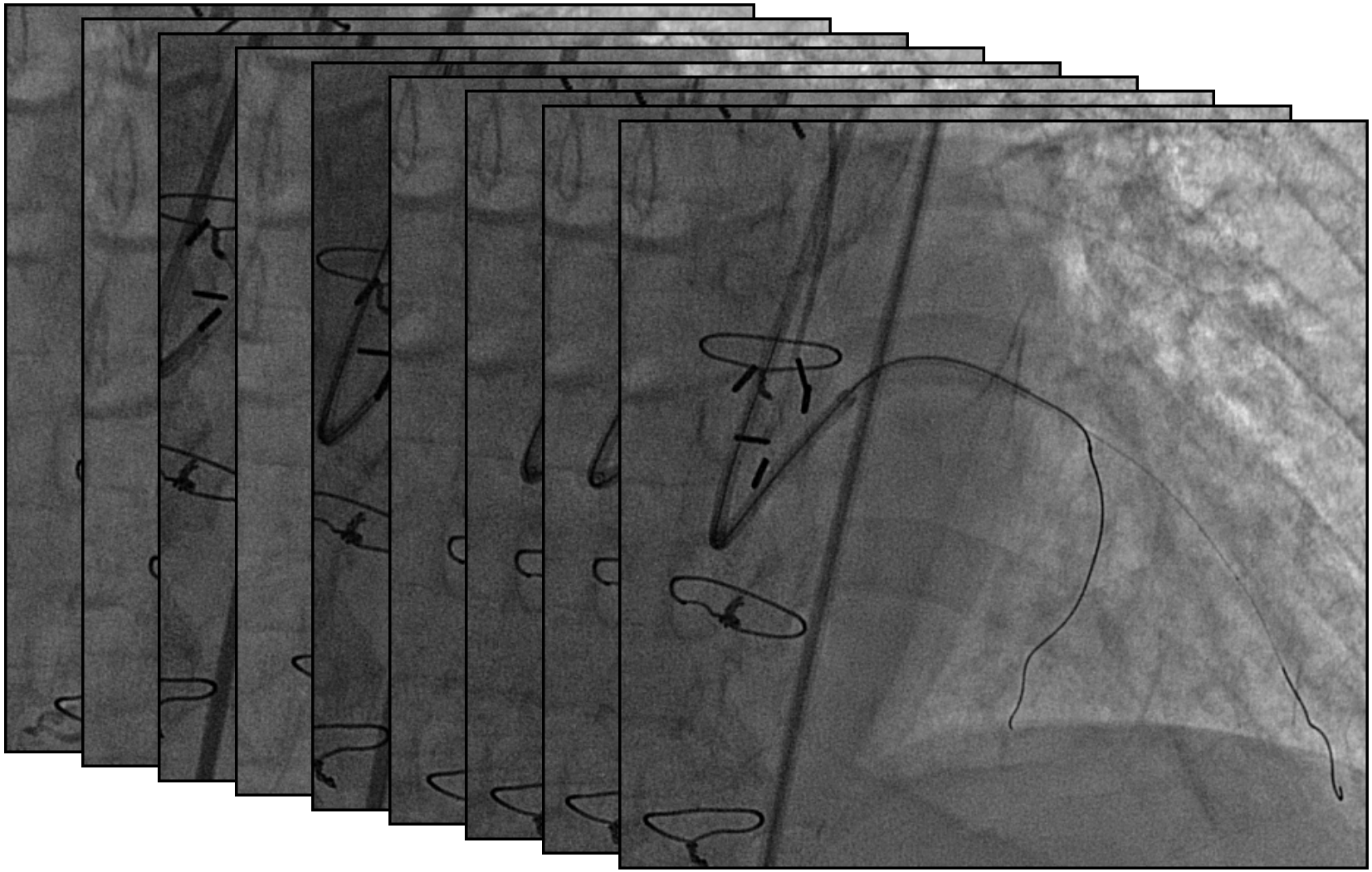
Stage1 CTO-PCI for LAD (1)



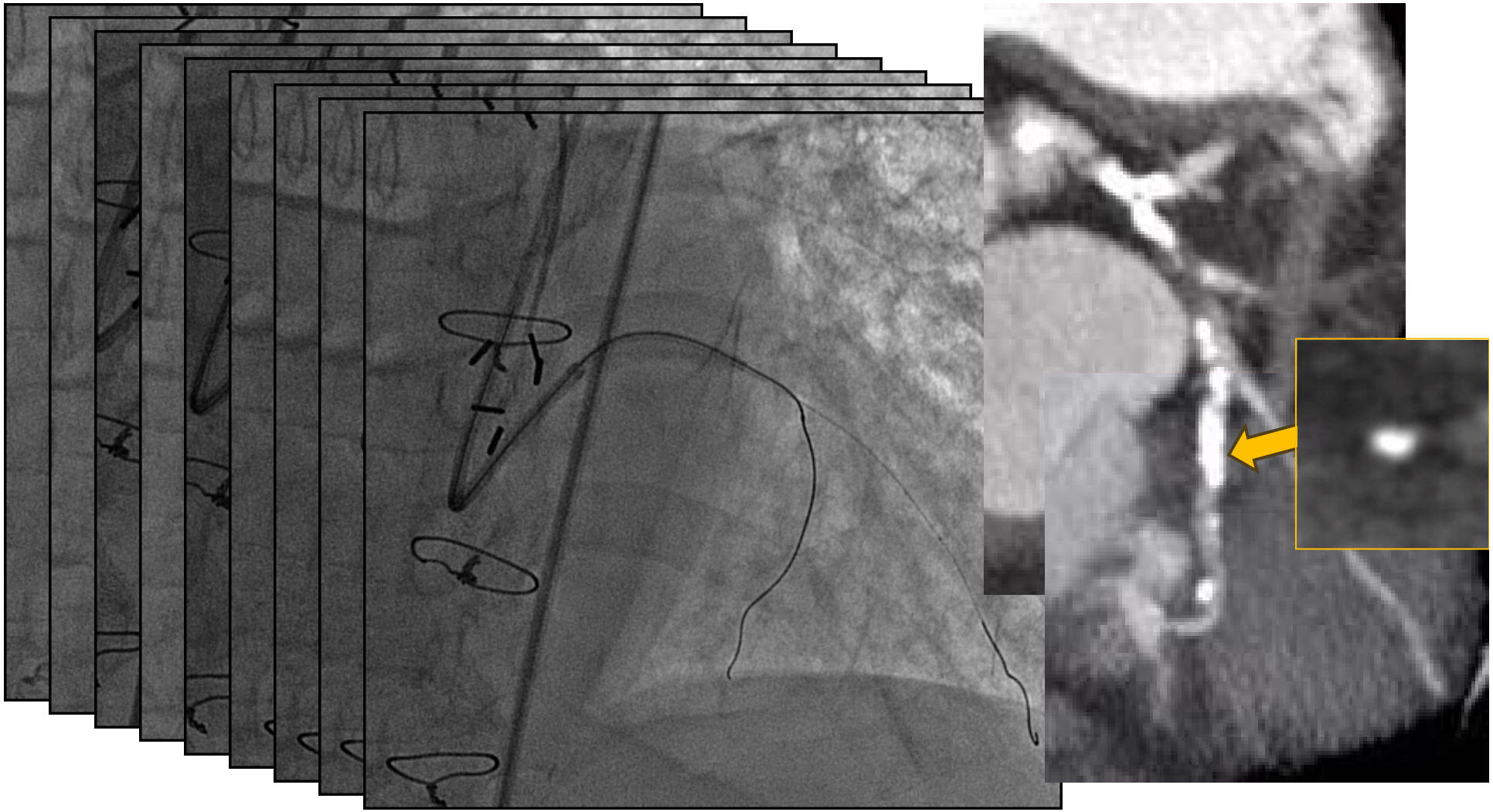
Stage1 CTO-PCI for LAD (1)



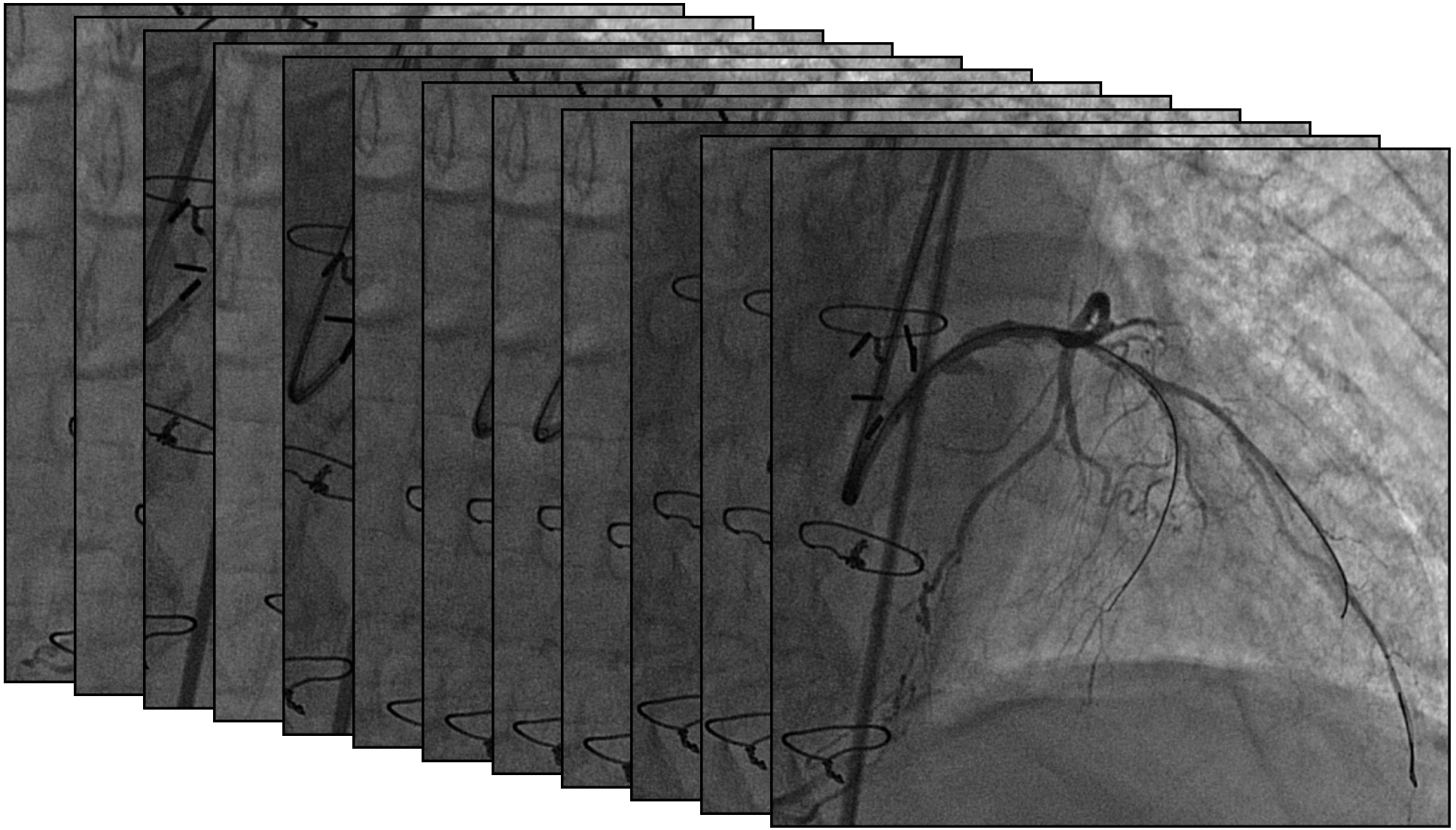
Stage1 CTO-PCI for LAD (1)



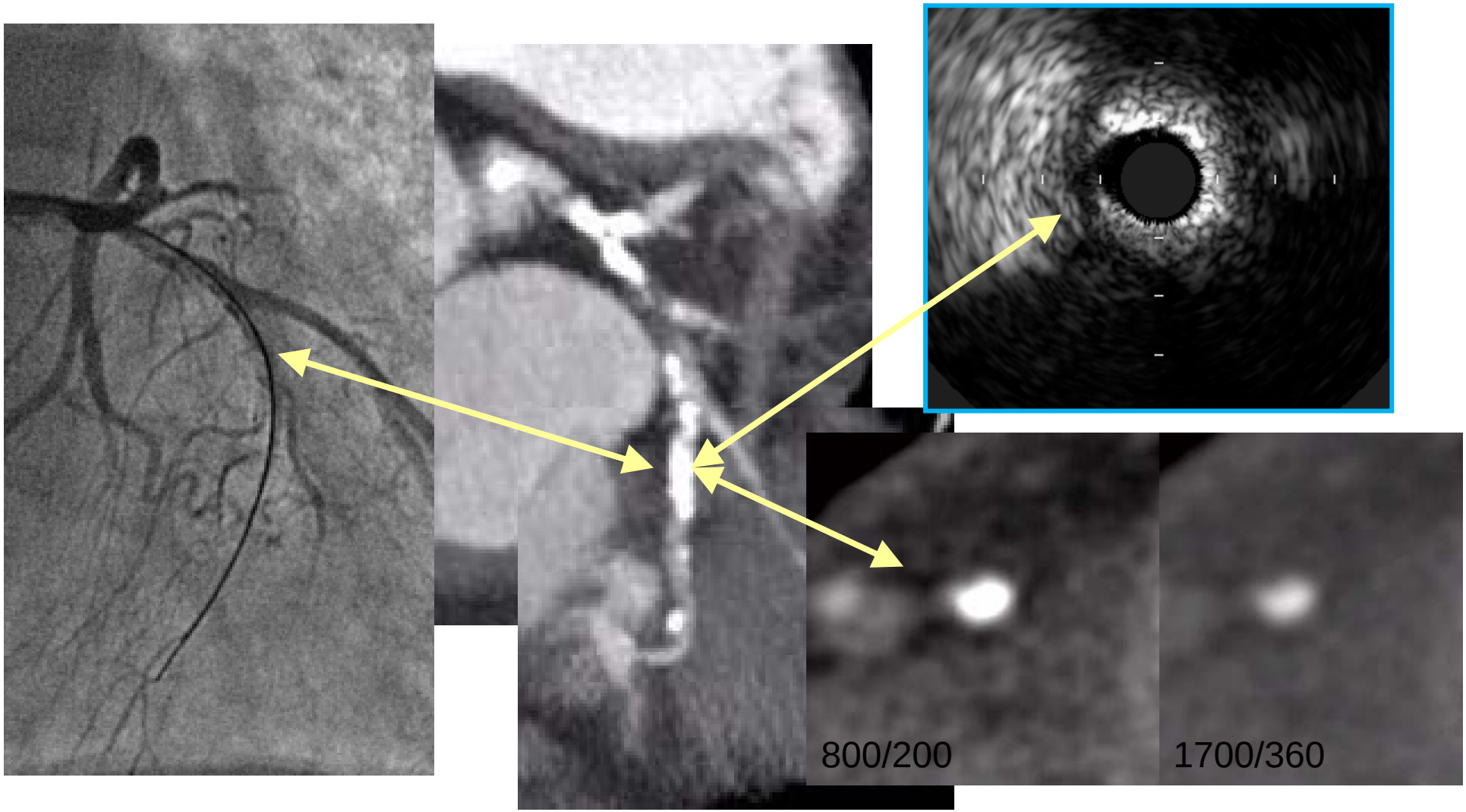
Stage1 CTO-PCI for LAD (1)



Stage1 CTO-PCI for LAD (1)

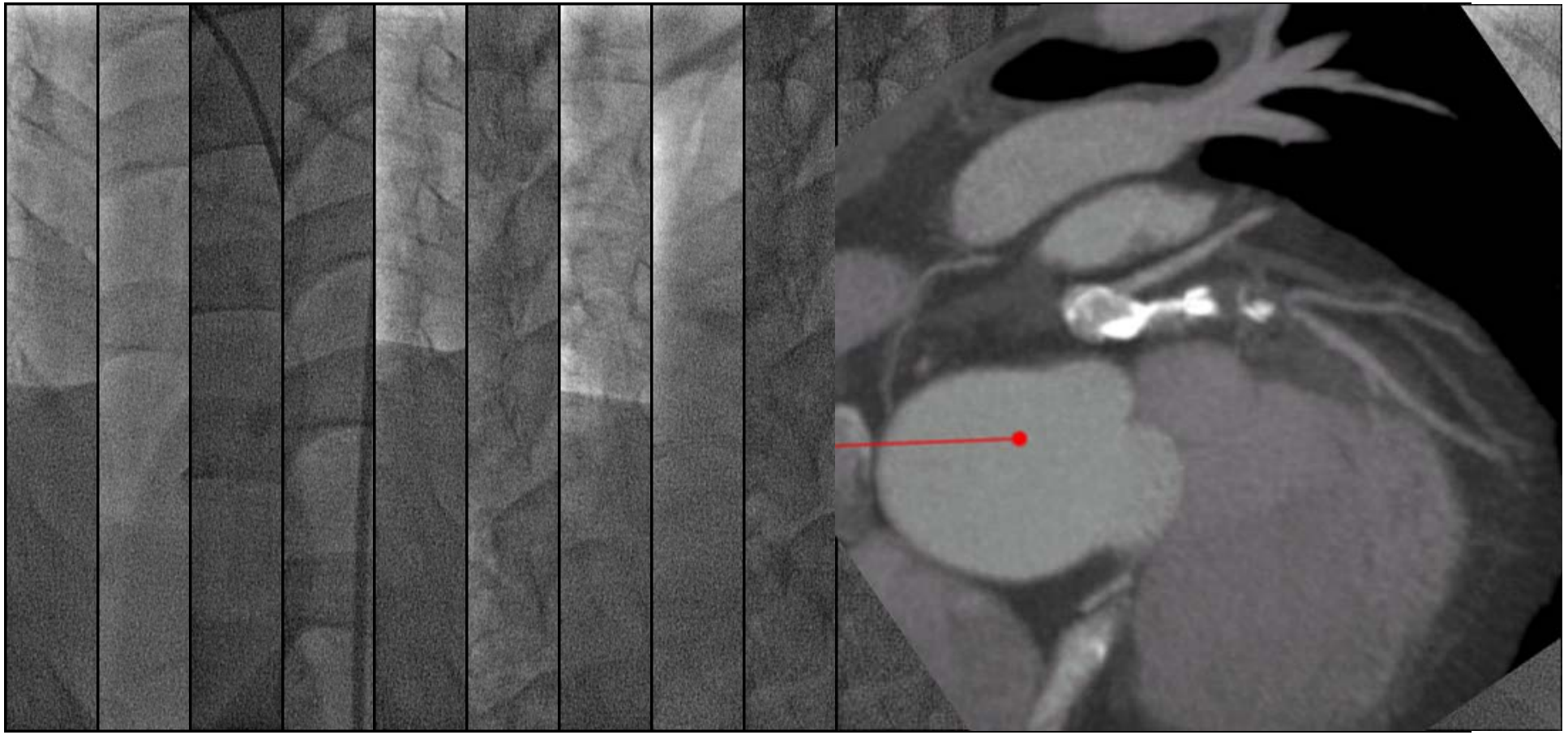


Calcium mass in CTO segment

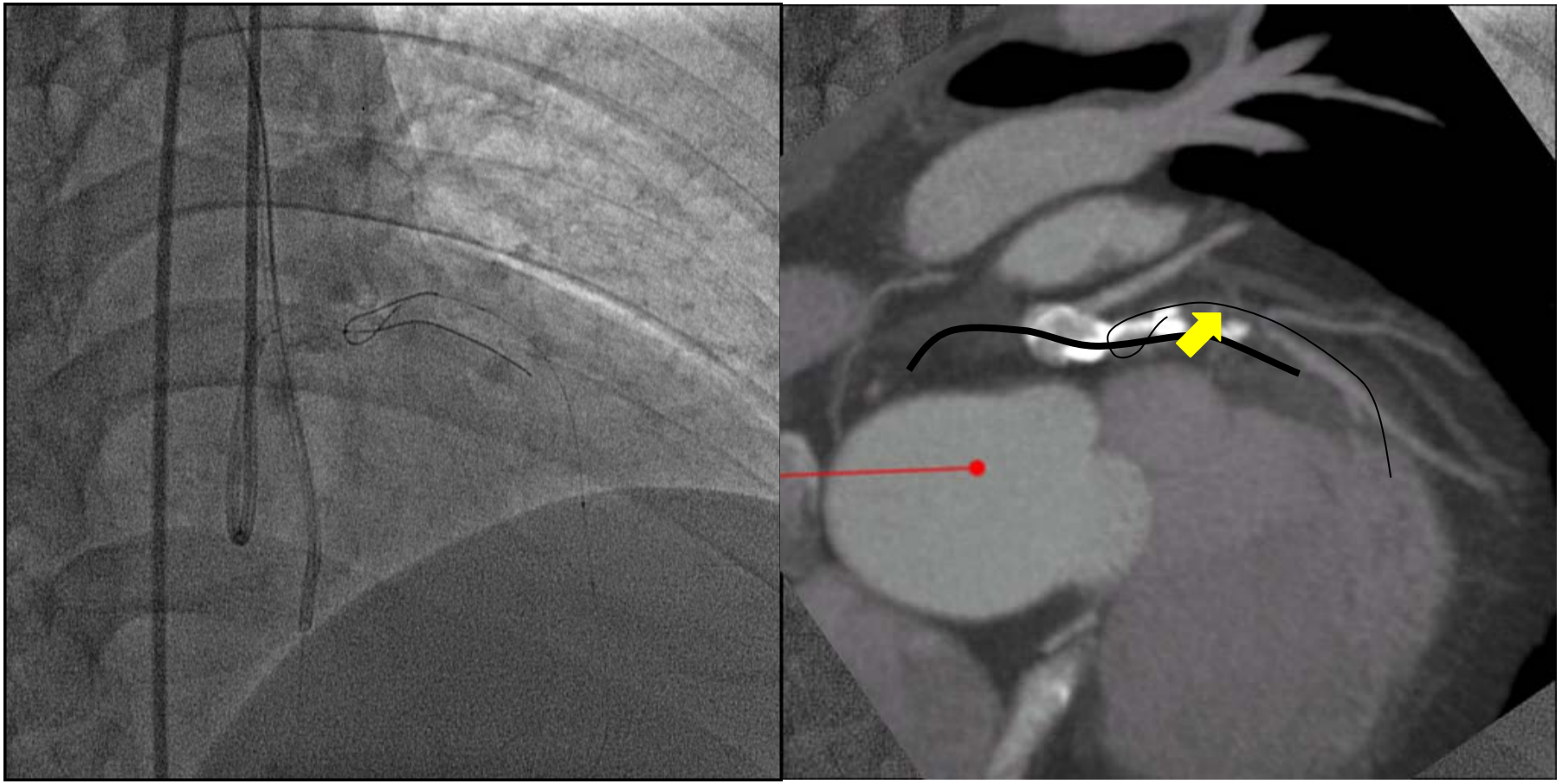


Stage1 CTO-PCI for LAD (2)

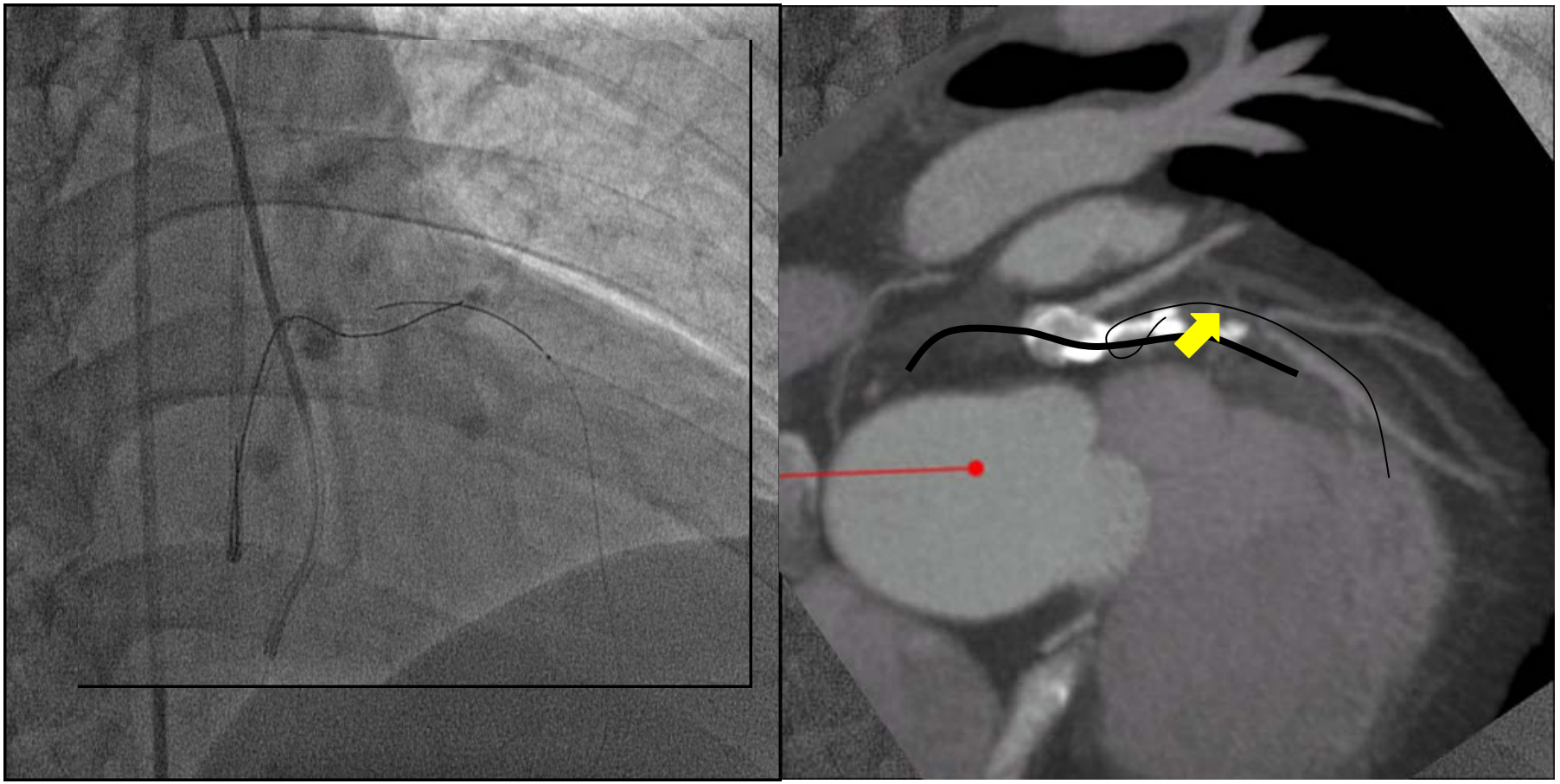
Case 5: retry case



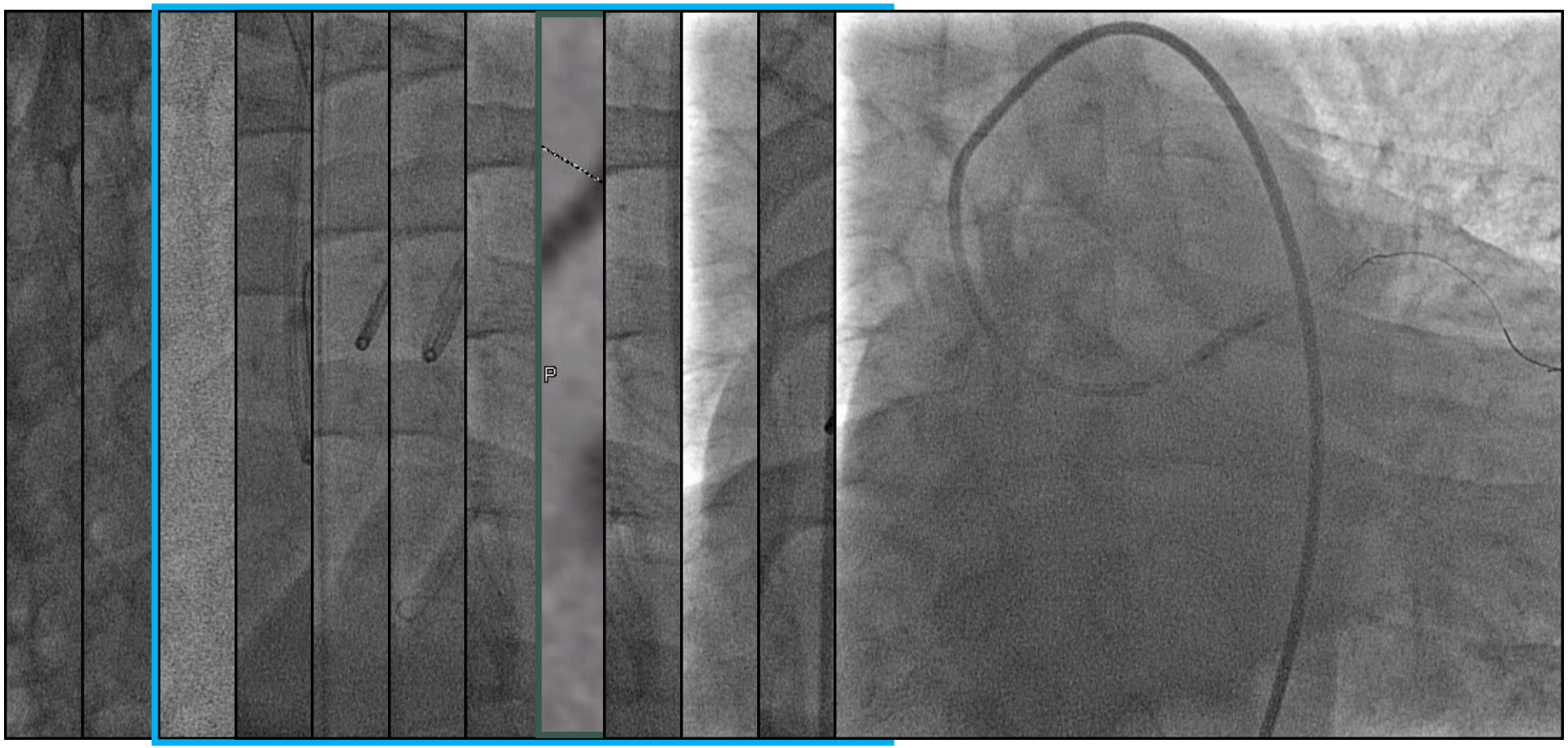
PCI 2nd stage



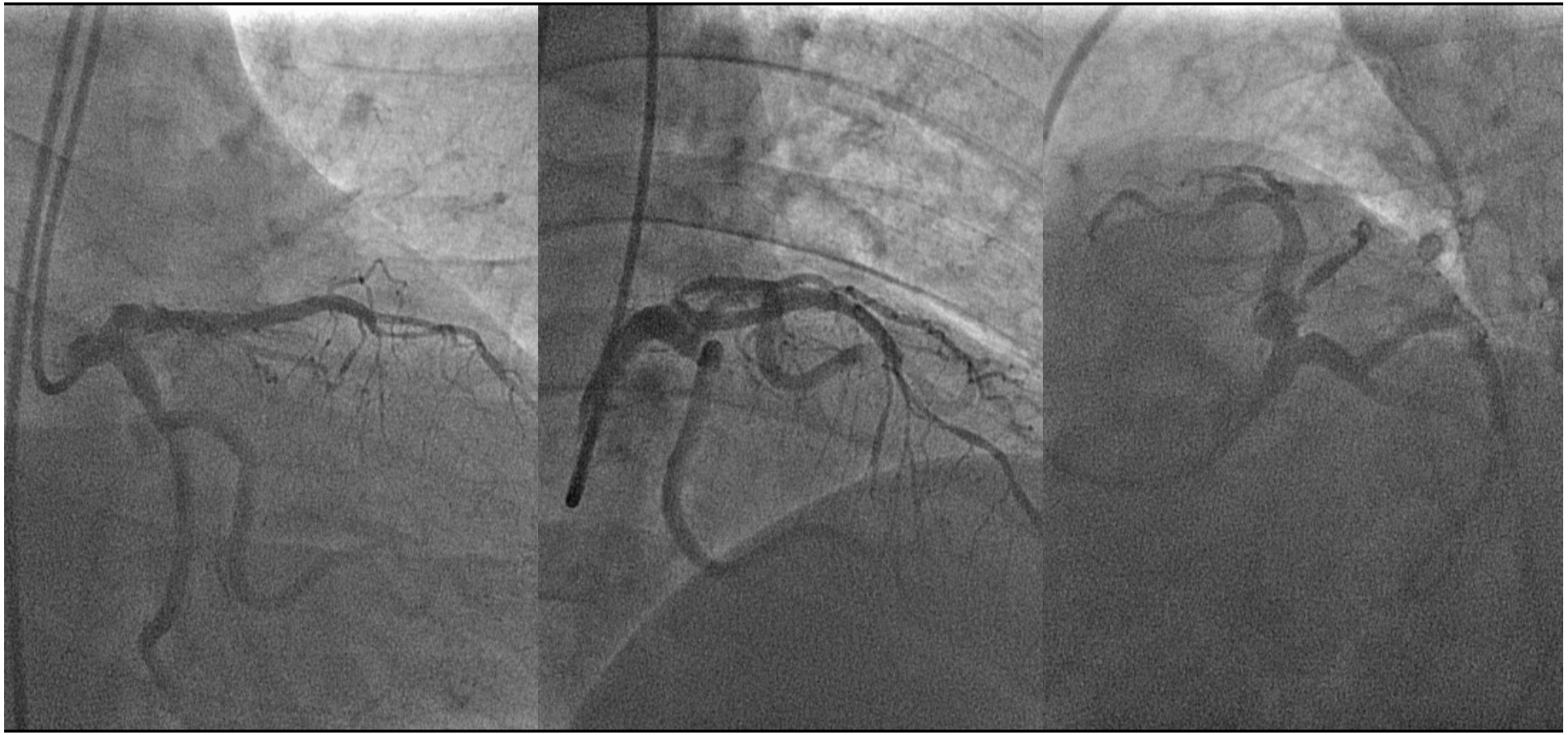
PCI 2nd stage



PCI 2nd stage



PCI 2nd stage



Summary: Heart CT for CTO-PCI

- Heart CT is not only screening tool for CAD but strong supportable tool for CTO-PCI.
- The advantages of Heart CT for CTO-PCI are
  1. where is the entry,
  2. how long, how size, how tortuous, how calcified
  3. which projection angle is better,
  4. which strategy will be required,
  5. how difficult this CTO-PCI is.
- With using Heart CT for CTO-PCI, we can get success result more easily and safely with appropriate case selection.