

Total arch replacement for Distal arch aneurysm

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Thanks to

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Aortic arch aneurysm involving distal arch

1

Distal lesion

2

One stage
Two stage

3

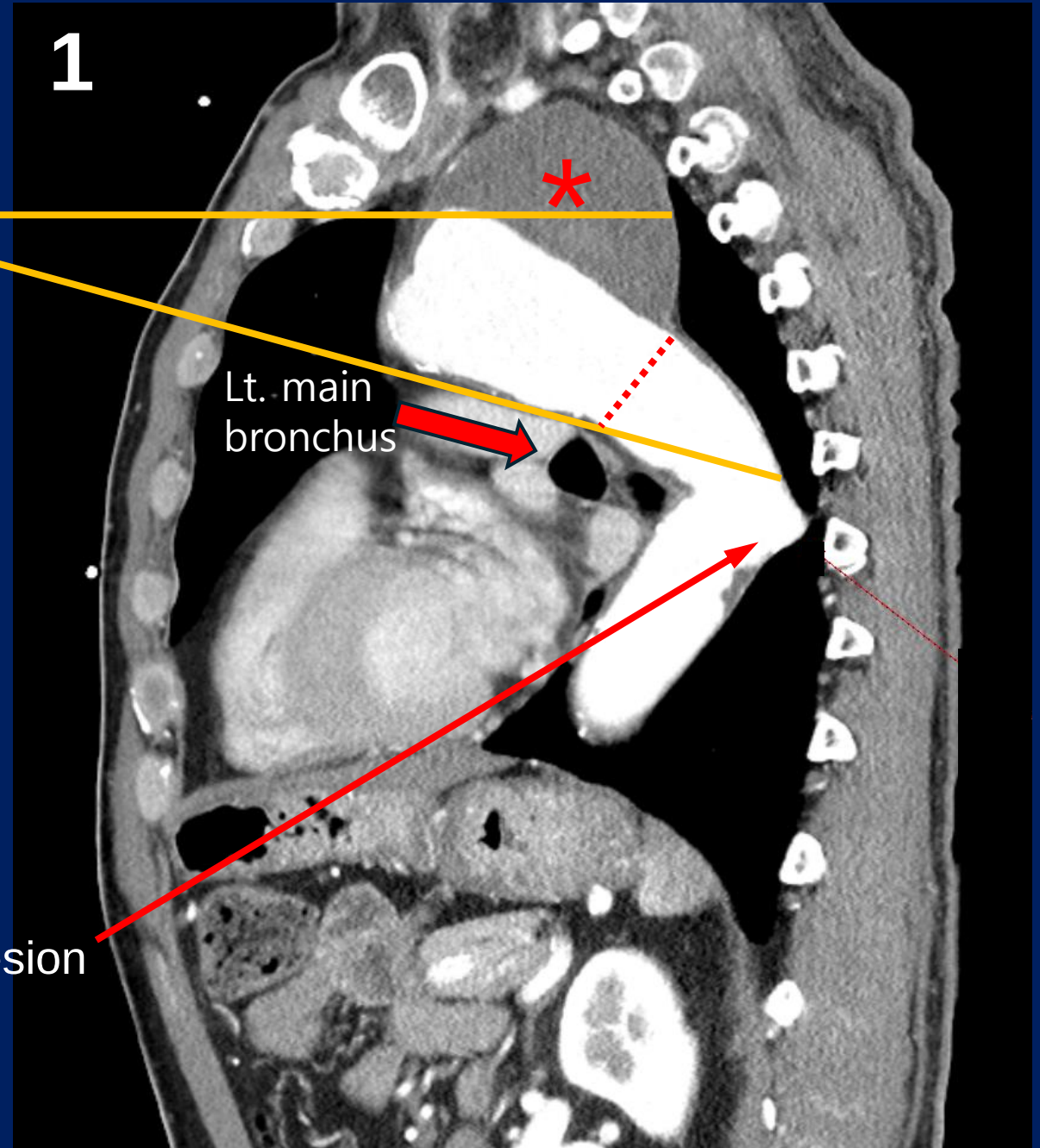
Multiple
Sacular

Discrete

Sternotomy
Thoracotomy

Classic graft
Stent graft

Too far



Sternotomy
Thoracotomy
embolic risk...

Classic TAR
TARFET
distal outpouching lesion

Aorta 안으로 접근

sac이 클수록 더 쉬움

pleura 보존 – 출혈 평가 용이

nerve 보존

Transition zone anastomosis

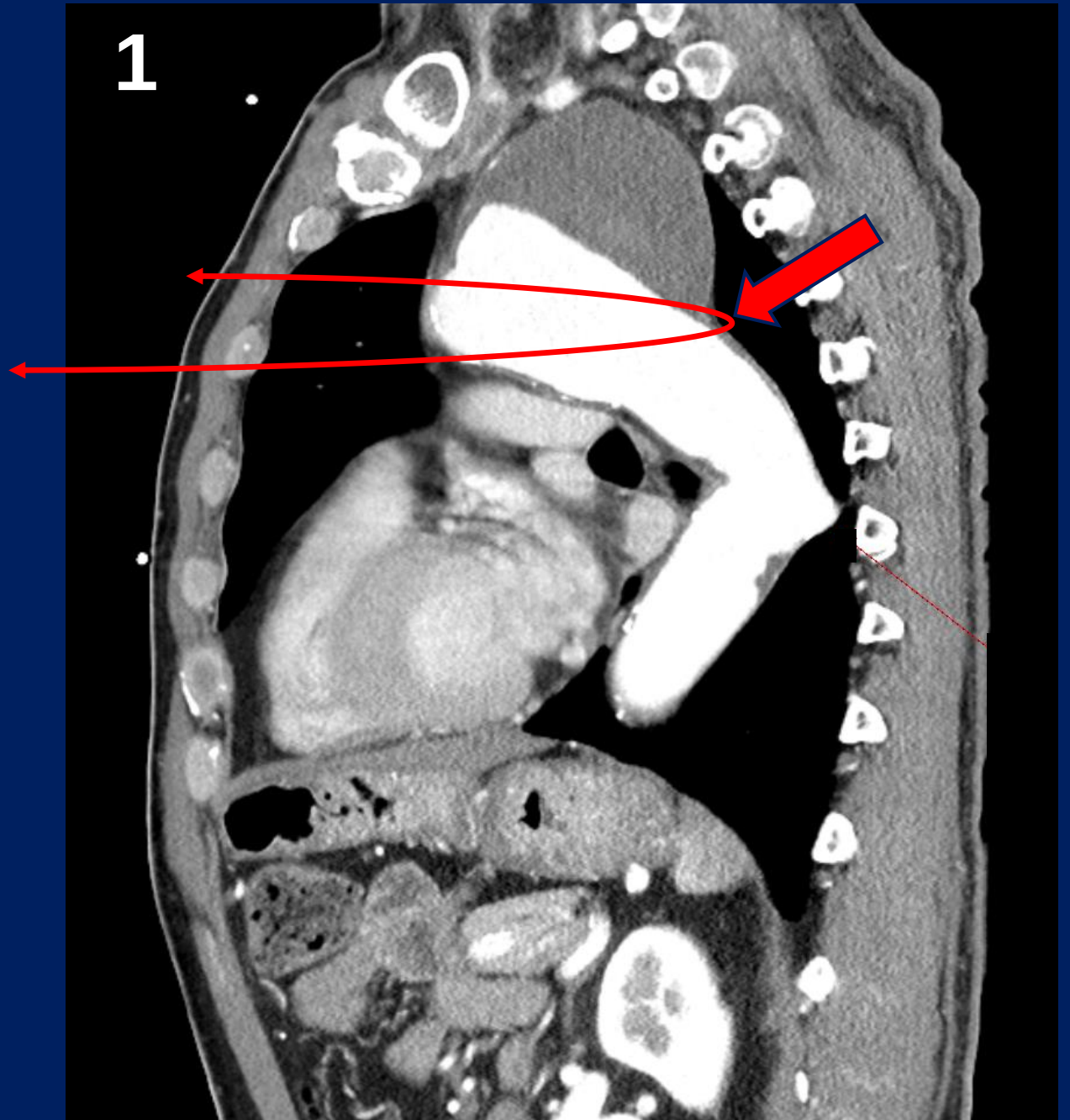
2~3 tagging suture at transition zone

=> 가까이 끌어당겨 시야 확보

Full-thickness suture!

Everted graft (not in this case)

좁고 깊을 때 공간 확보 용이





57-YA Male, DM, HTN, Dyslipidemia

Distal arch 8.5cm

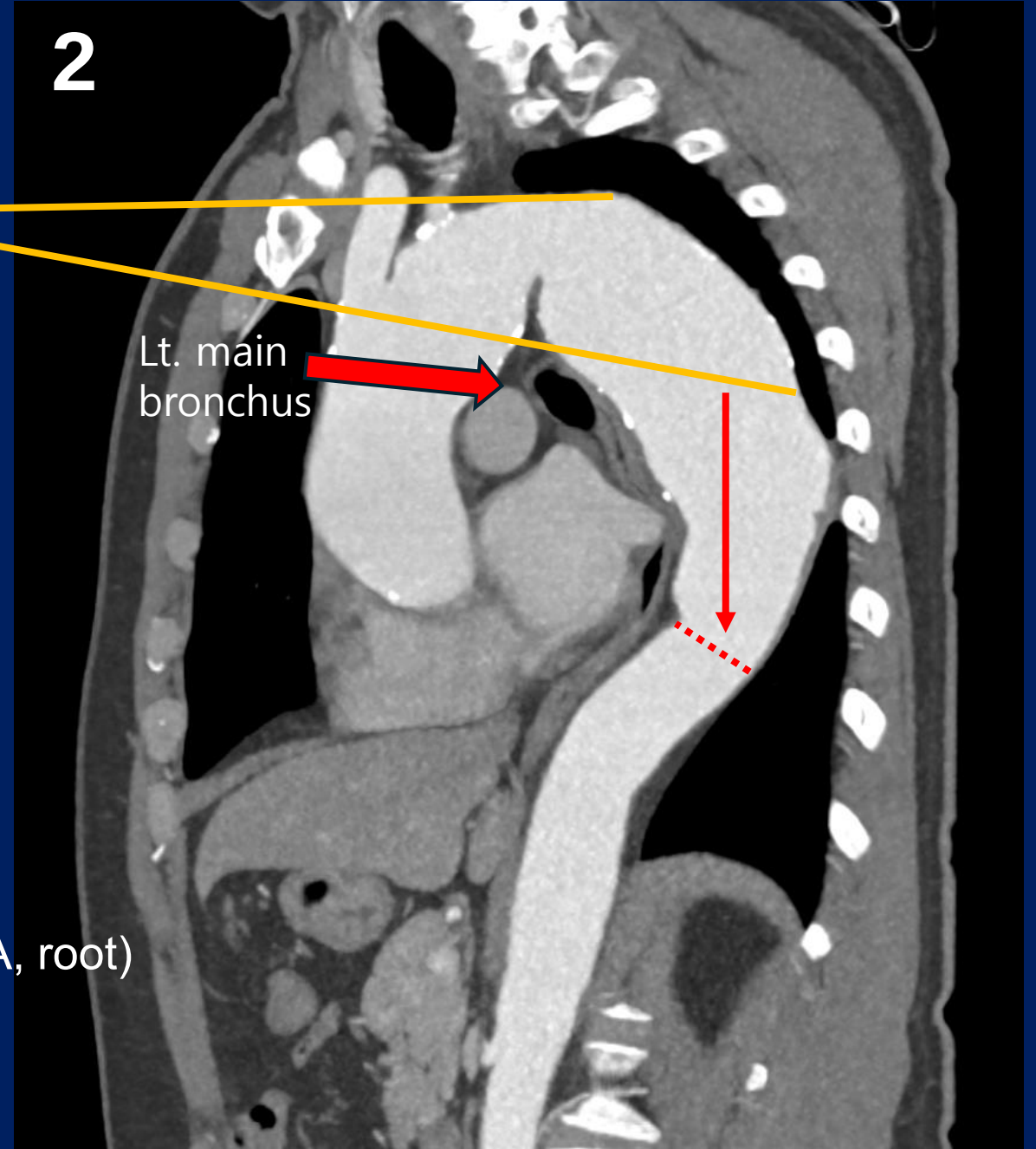


2

Lt. main
bronchus



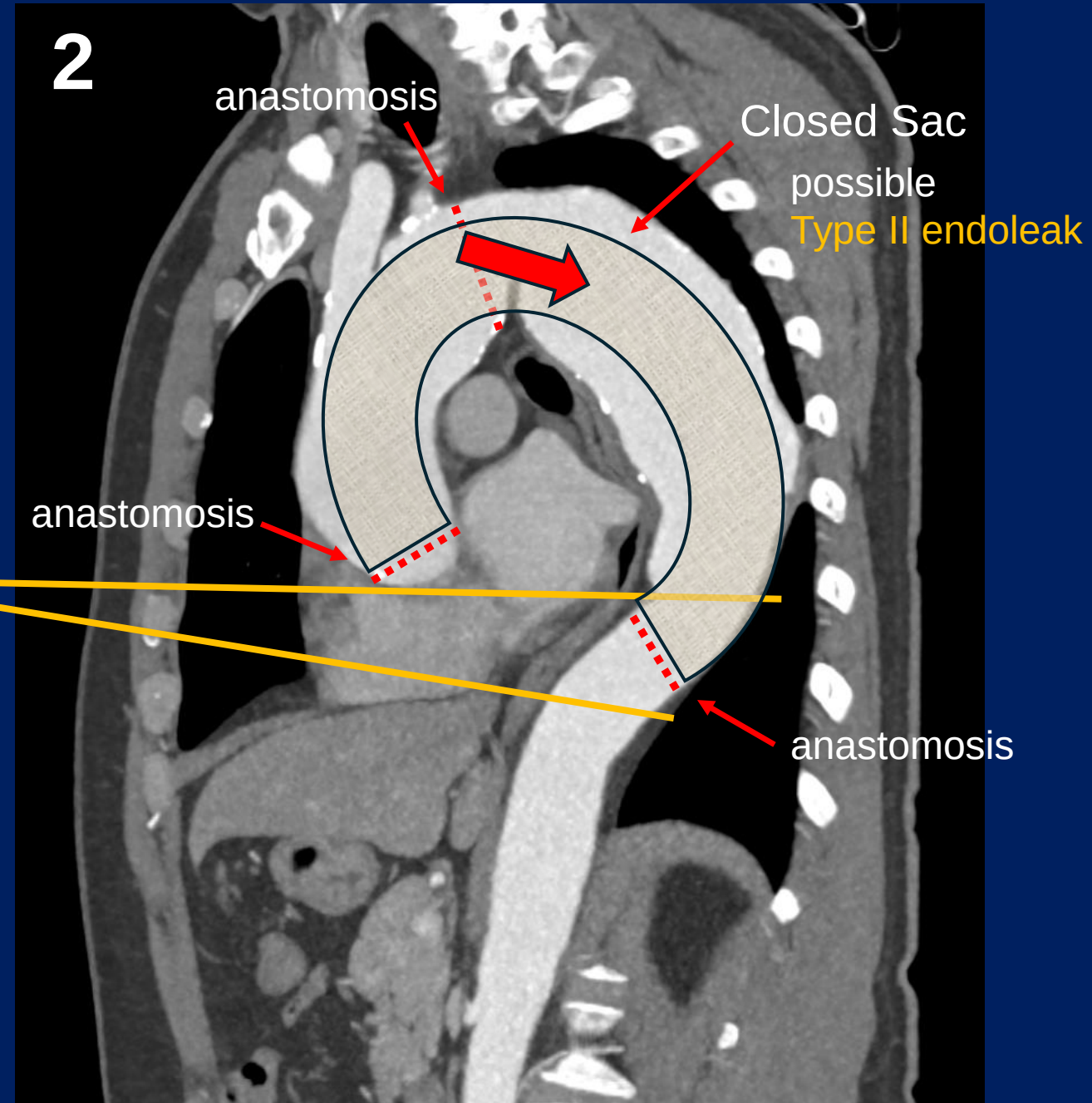
- One stage
 - Sternotomy
 - invisible...?
 - Thoracotomy
 - visible but deep... (IA, root)
- Two stage
 - widely accepted but TWO stage...



Sternotomy & Retropericardial approach

Deep => MICS용 long instrument

Deep => DTA의 앞쪽 보이는 부분만 절개
식도 주의





65-YA Male, HTN
Asc Ao 57mm, Arch 50mm, mDTA 60mm

Syphilitic aneurysm
45-yo male
AIDS

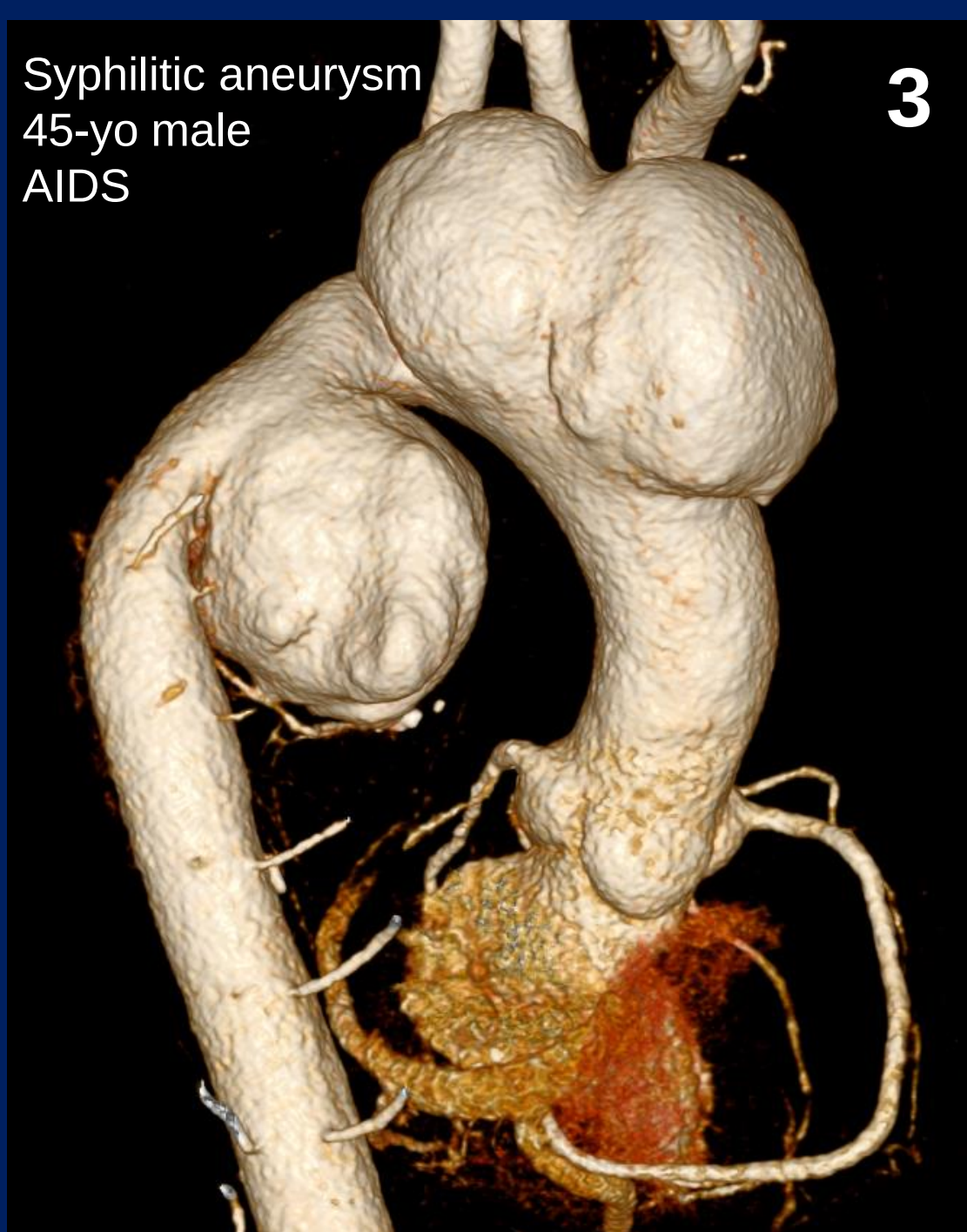
3

Multiple discrete saccular aneurysms

Small aorta (narrow space)

=> Difficult to approach

One stage [Sternotomy
Thoracotomy
Two stage



Syphilitic aneurysm
45-yo male
AIDS

Postop 2yr

min
C) 9 min
min
chemic 89 min

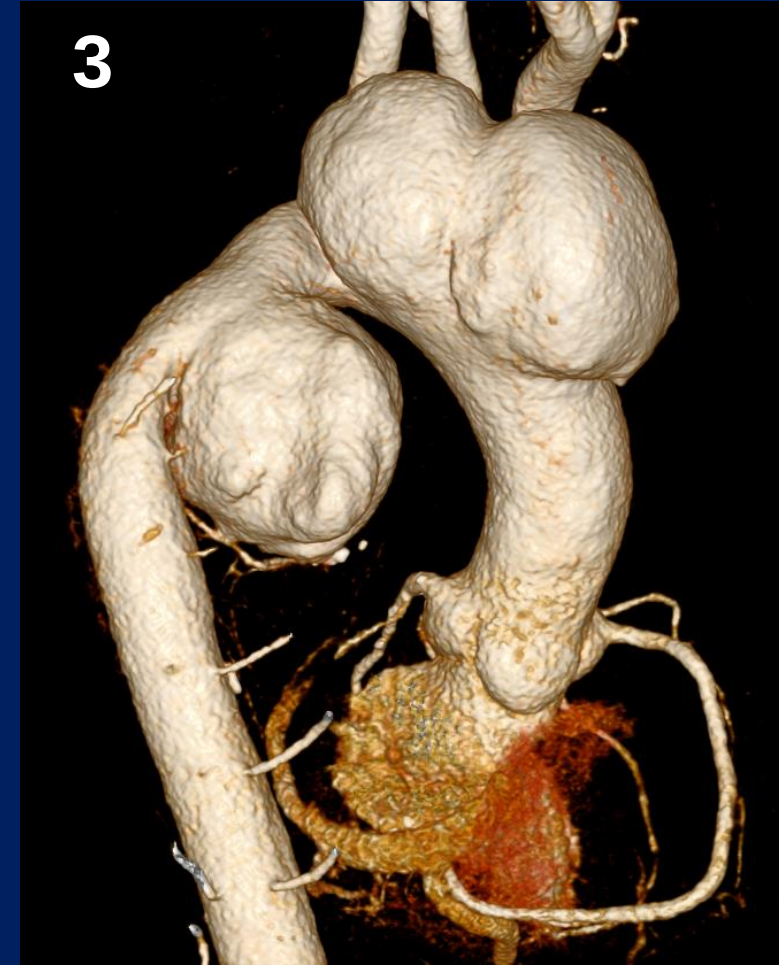
One stage, sternotomy, graft



One stage, sternotomy, graft



One stage, thoracotomy, graft



One-stage classic graft replacement (without stent) is still useful.

경청해 주셔서 감사합니다.