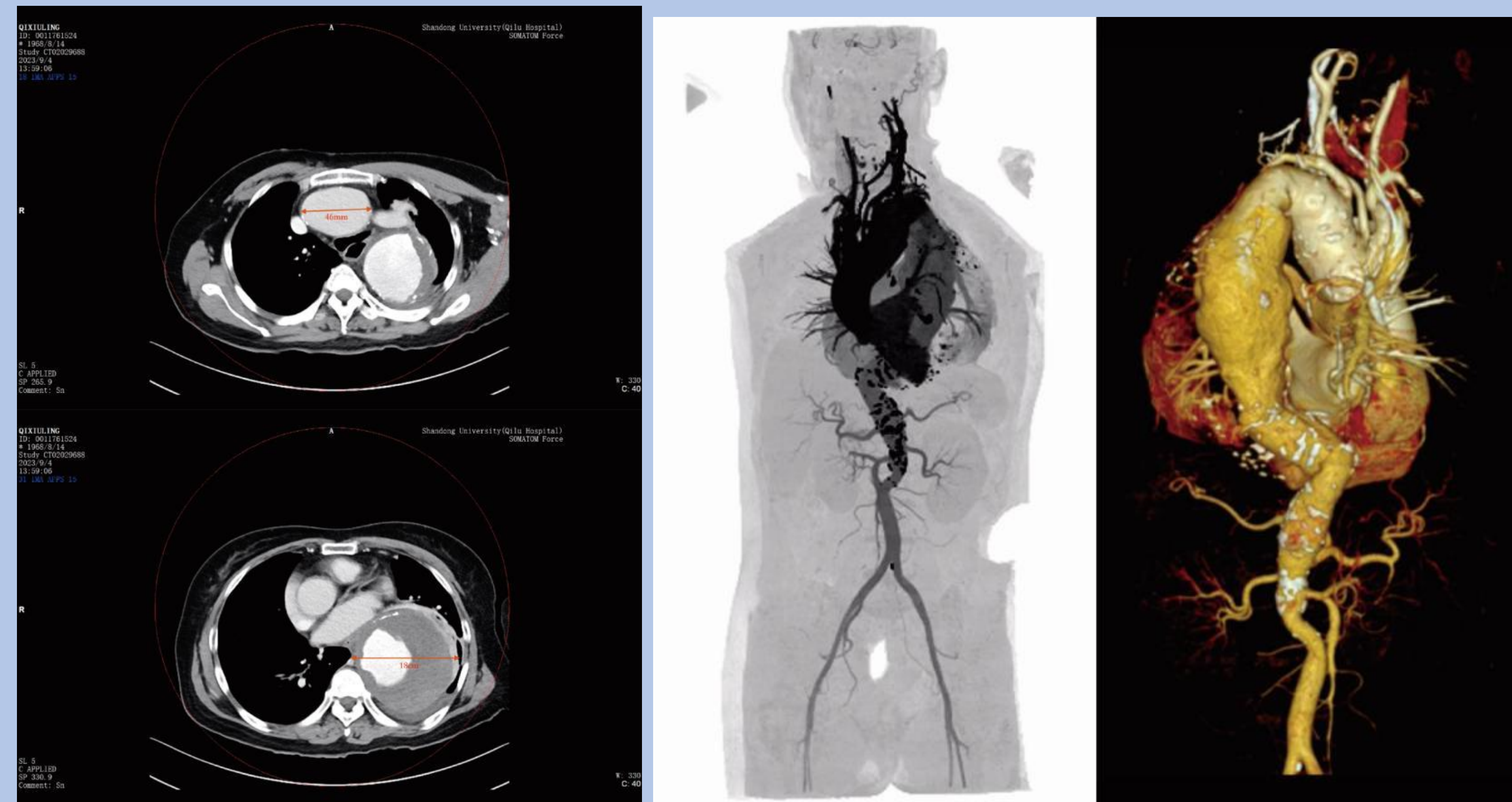


The Application Of The **Adventitia Fixation Technique** In Thoracic Aortic Angioplasty Increases The Stability Of The Anchoring Area



Diagnosed by CTA

A 55-year-old female patient presented with dilatation of the ascending-arch aorta and pseudo-aneurysm of the thoracic aorta



Surgical strategy:

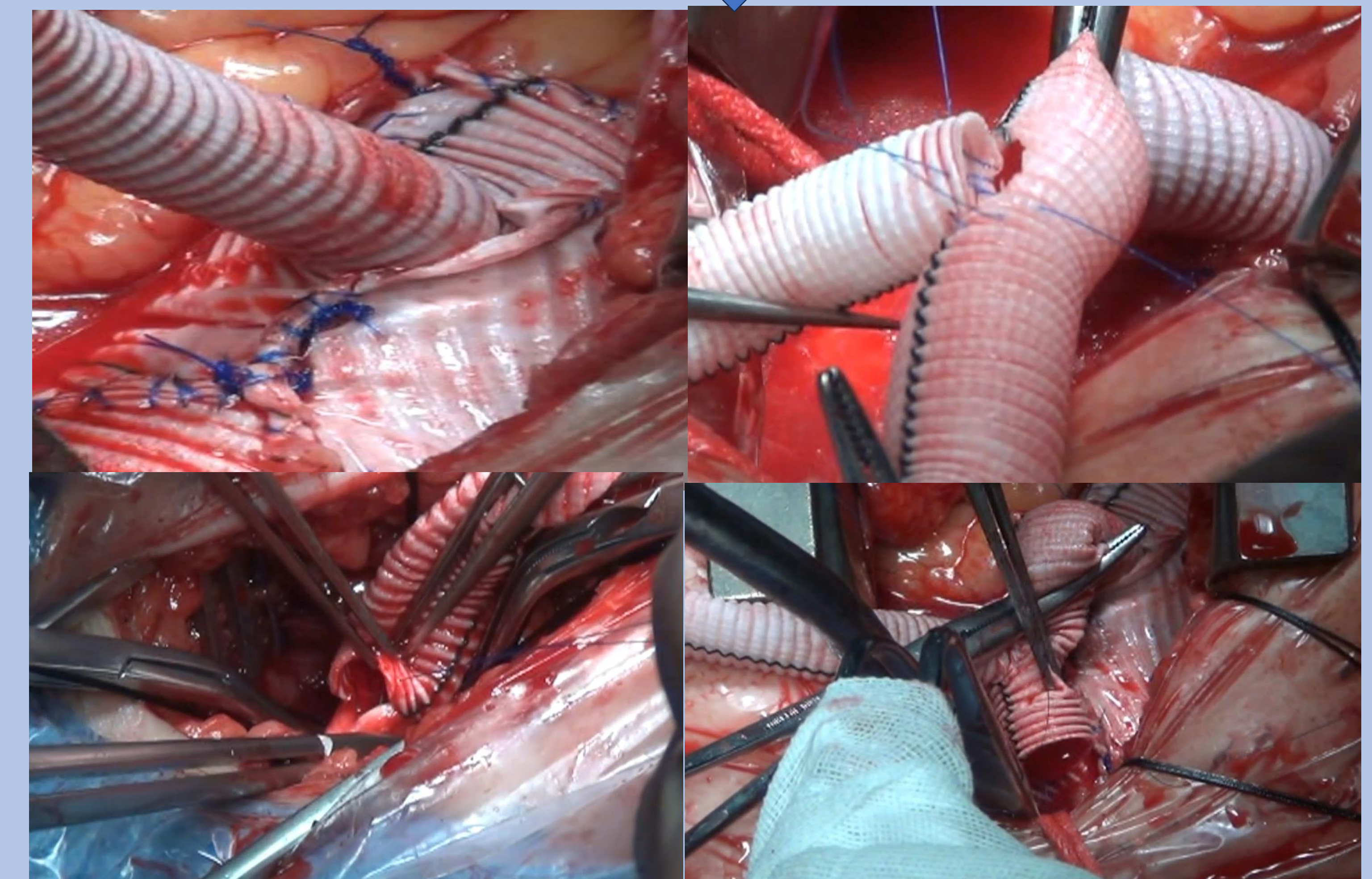
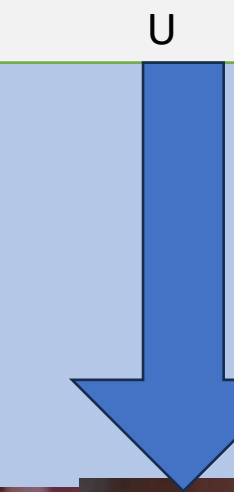
Thoracotomy: small incision in the third intercostal space of the sternum

Ascending aorta: wrapping and constriction with an artificial blood vessel

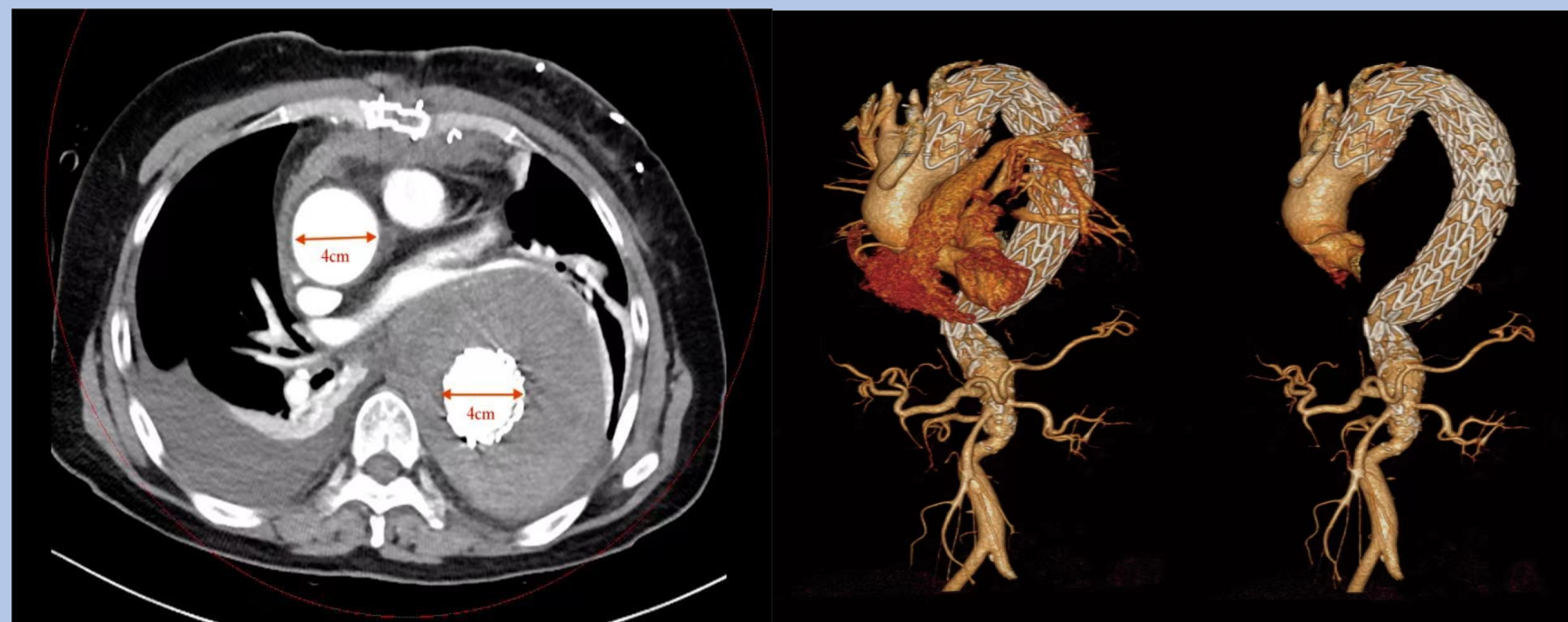
Aortic arch: ascending aorta-left common carotid artery-left subclavian artery bypass

Cardiocerebral protection: off - pump beating - heart

Descending aorta: thoracic endovascular aortic repair



Surgical procedure



3-month post-operative follow-up CTA



The adventitia fixation technique greatly simplified the management of thoracic aortic pseudo-aneurysm with unfavorable proximal landing zones caused by proximal aortic lesions, providing an additional option for cardiovascular surgeons dealing with this complex condition.