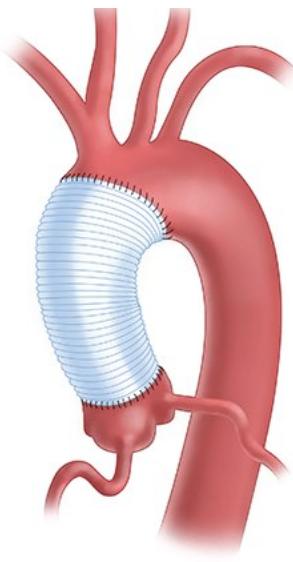
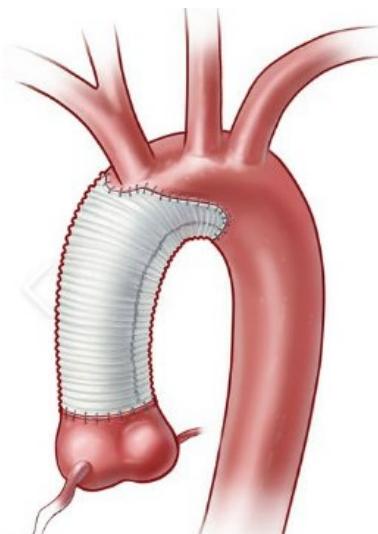


Types of Open Thoracic Aortic Surgery

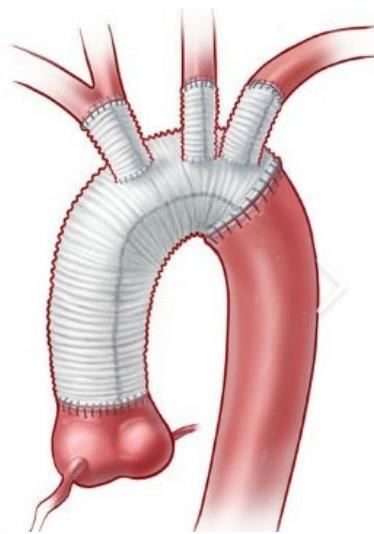


**ASCENDING AORTIC
REPLACEMENT**



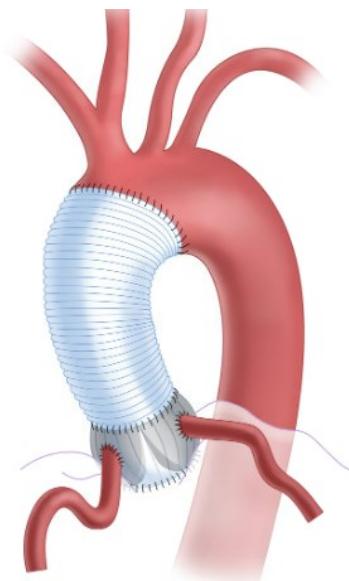
**ASCENDING AND HEMIARCH
REPLACEMENT:**

Ascending aortic replacement with extension in the lesser curve of the aortic arch



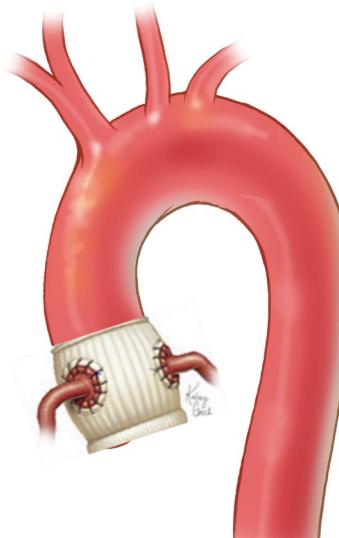
TOTAL ARCH REPLACEMENT:

Ascending aortic replacement and reconstruction of the aortic arch vessels (branches)



DAVID PROCEDURE:

Aortic valve-sparing aortic root replacement & ascending aortic repair with coronary artery reimplantation (preserves the patient's own aortic valve)



**AORTIC ROOT
REPLACEMENT**



BENTALL PROCEDURE:

A composite graft replacement of the aortic valve (with a prosthetic valve: mechanical or biological), the aortic root and the ascending aorta, with coronary artery reimplantation