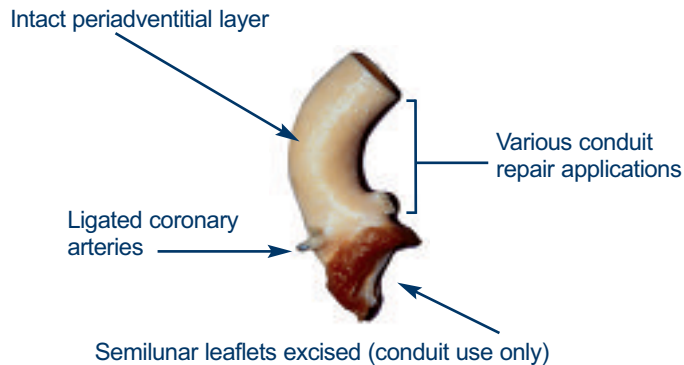


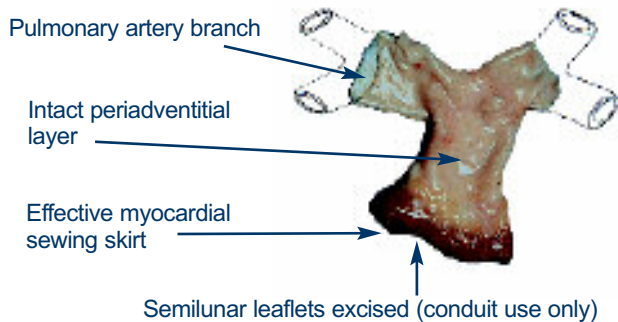


Ascending Aorta (Conduit Use Only)



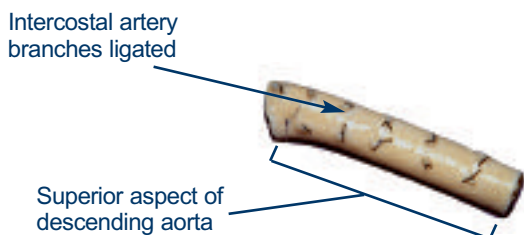
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Pulmonary Artery (Conduit Use Only)



- ▶ Non-thrombogenic
- ▶ Non-hemolytic
- ▶ No immunosuppressive therapy required
- ▶ Human tissue – most closely resembles native tissue
- ▶ High resistance to infection
- ▶ No anticoagulation therapy required

Thoracic Aorta



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Ascending Aorta



General Processing Guidelines:

- ▶ Semilunar leaflets excised
- ▶ Internal annulus measured in millimeters (D = mm) using a Hegar dilator
- ▶ Conduit length measured in centimeters from coronary arteries (L = cm) using a ruler
- ▶ L = 4 – 10 cm

Clinical Applications: Conduit repair

<u>Code</u>	<u>Description</u>	<u>Sizing</u>
AAS	Ascending Aorta (non-valved)	D = 16 mm and less
AAM	Ascending Aorta (non-valved)	D = 17 – 21 mm
AAL	Ascending Aorta (non-valved)	D = 22 mm and greater

Pulmonary Artery



General Processing Guidelines:

- ▶ Internal annulus diameter measured in millimeters (D = mm) using a Hegar dilator
- ▶ Conduit length measured in centimeters (L = cm) using a ruler
- ▶ Semilunar leaflets excised
- ▶ No minimum length, but bifurcation must be intact

Clinical Applications: Right side/pulmonary reconstructions; Tetralogy of Fallot, pulmonary atresia; single ventricle/double outlet (Fontan), truncus arteriosus; pulmonary root stenosis

<u>Code</u>	<u>Description</u>	<u>Sizing</u>
PAS	Pulmonary Artery (non-valved)	D = 16 mm and less
PAM	Pulmonary Artery (non-valved)	D = 17 – 21 mm
PAL	Pulmonary Artery (non-valved)	D = 22 mm and greater

Thoracic Aorta



General Processing Guidelines:

- ▶ Proximal section of descending aorta
- ▶ Proximal and distal aortic diameters are measured in millimeters (D = mm) using a Hegar dilator
- ▶ Total length is measured in centimeters (L = cm) using a ruler
- ▶ All intercostal arteries are ligated
- ▶ L = 4–10 cm

Clinical Applications: Infected descending aorta; conduit repair; extra-cardiac shunt

<u>Code</u>	<u>Description</u>	<u>Sizing</u>
TAS	Thoracic Aorta	D = 16 mm and less
TAM	Thoracic Aorta	D = 17 – 21 mm
TAL	Thoracic Aorta	D = 22 mm and greater