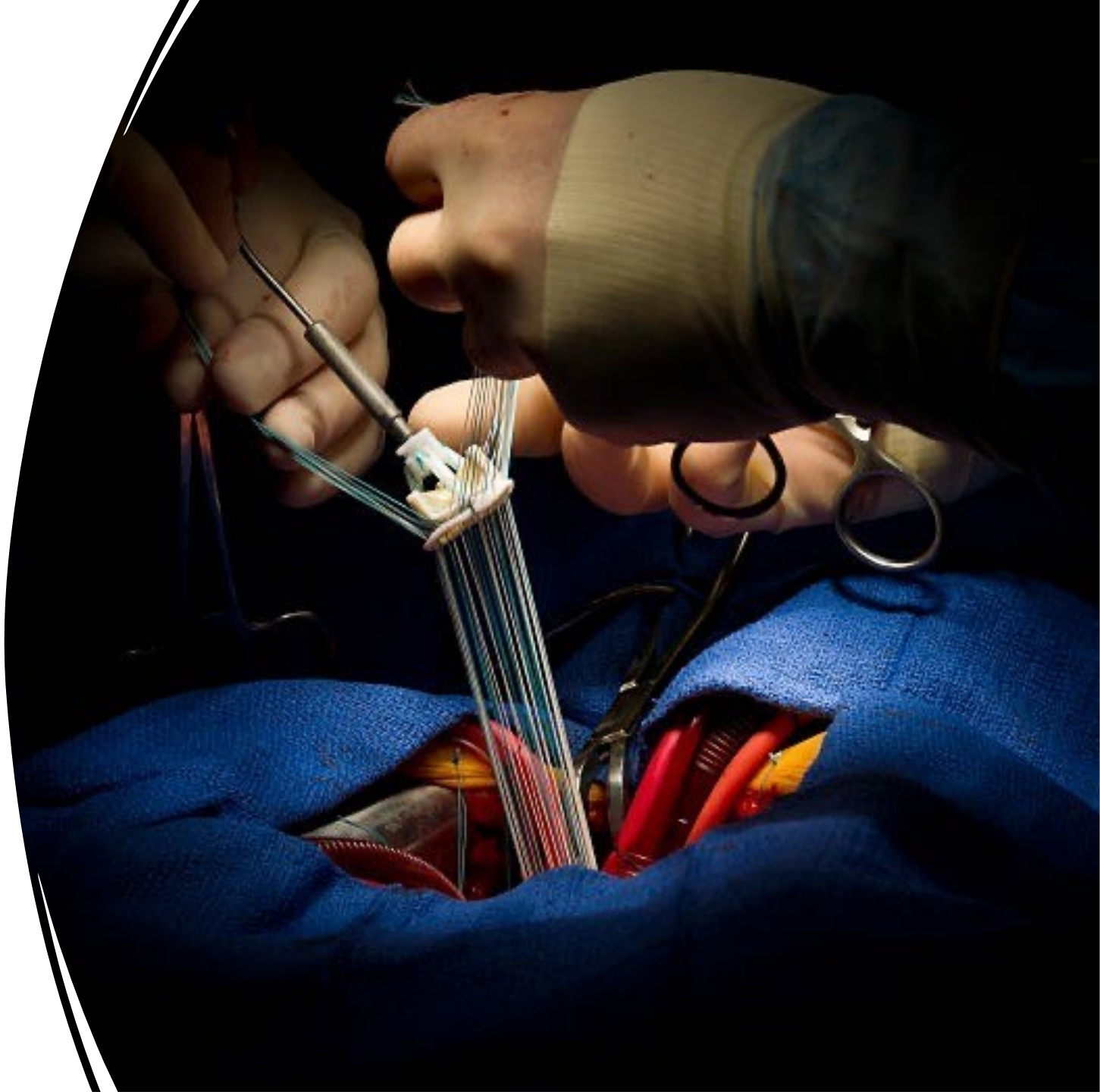
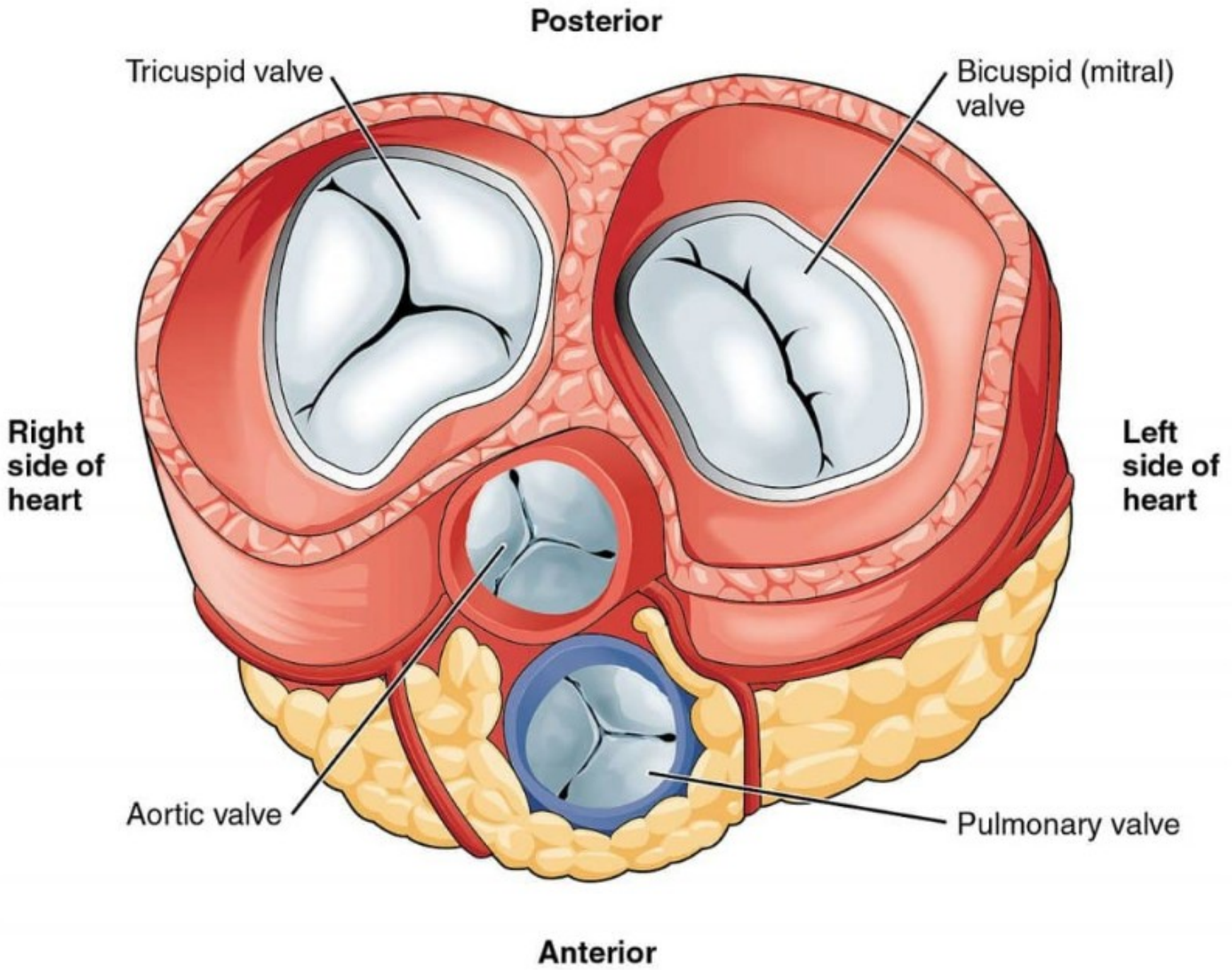
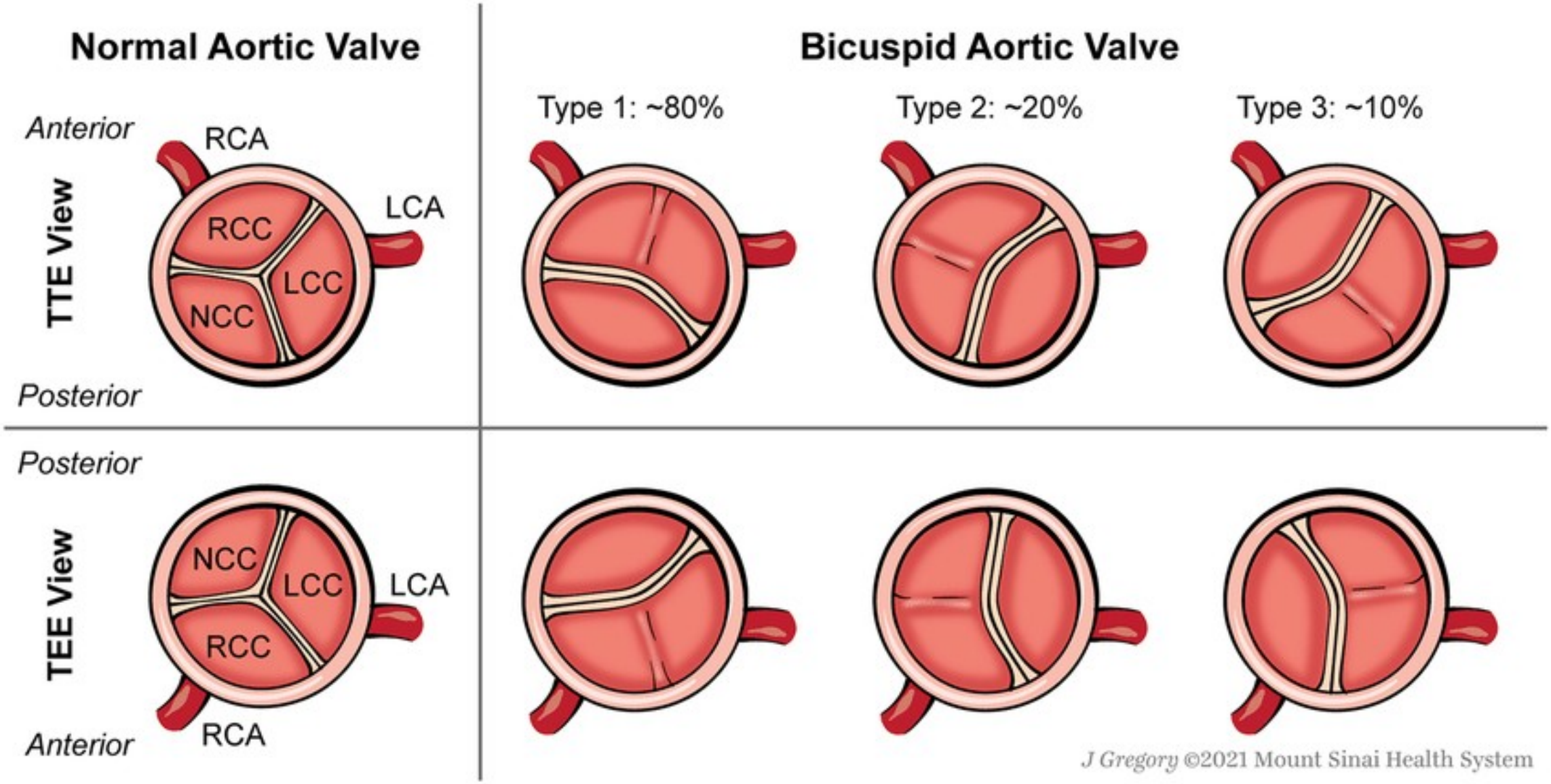
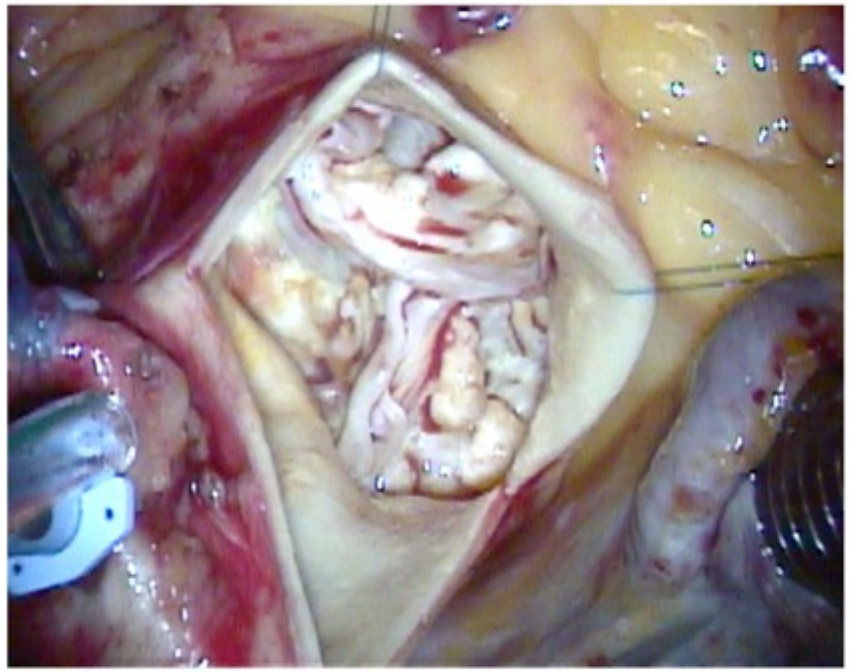
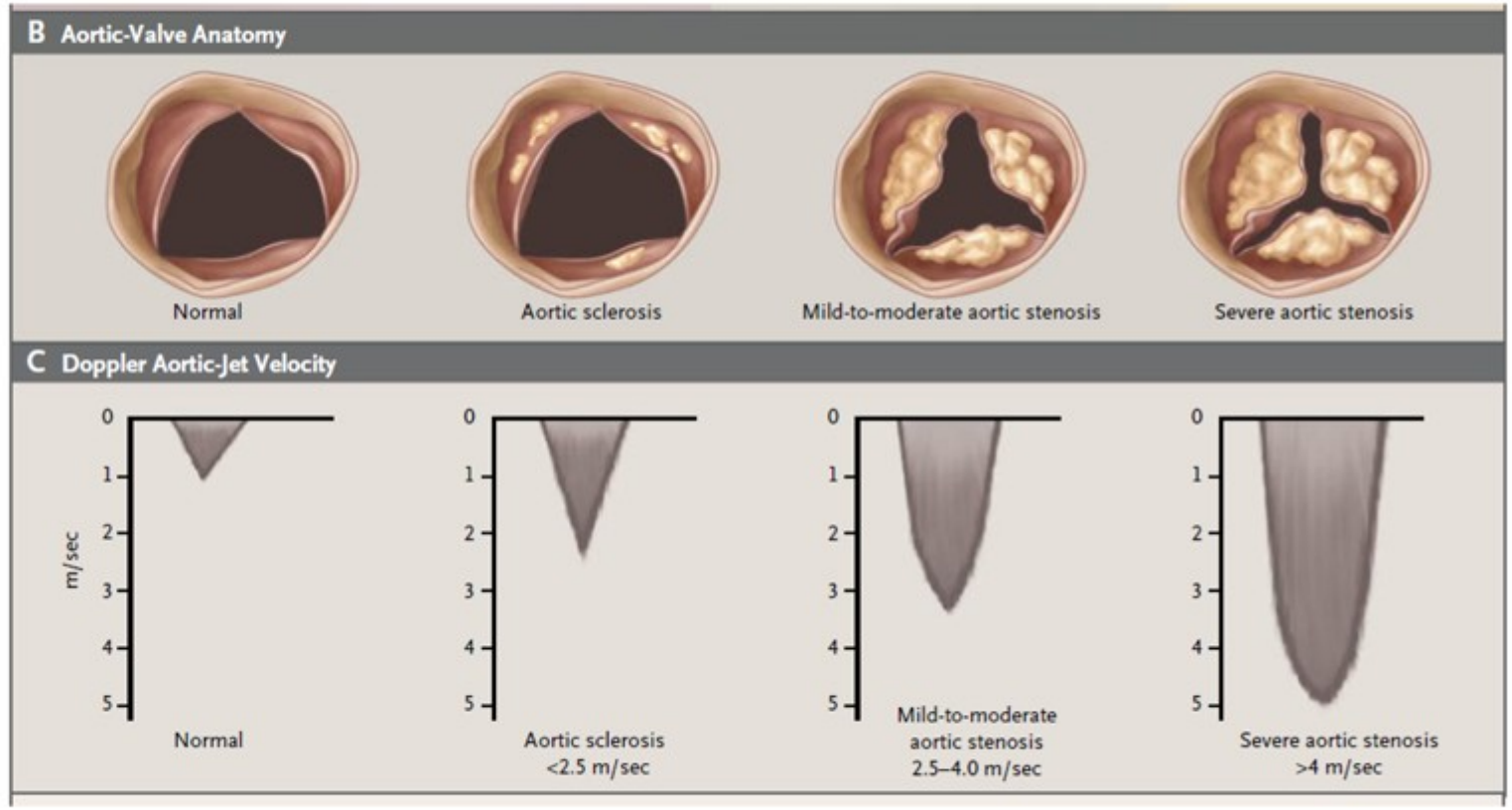
Aortic Valve Anatomy




Posterior
Tricuspid valve
Bicuspid (mitral) valve
Right side of heart
Left side of heart
Aortic valve
Pulmonary valve
Anterior


Normal Aortic Valve
Bicuspid Aortic Valve
Anterior
RCA
TTE View
LCA
RCC
LCC
NCC
Posterior
Type 1: ~80%
Type 2: ~20%
Type 3: ~10%
Posterior
TEE View
NCC
LCC
LCA
RCC
Anterior
RCA
J Gregory ©2021 Mount Sinai Health System




B Aortic-Valve Anatomy
Normal
Aortic sclerosis
Mild-to-moderate aortic stenosis
Severe aortic stenosis
C Doppler Aortic-Jet Velocity
m/sec
0
1
2
3
4
5
Normal
Aortic sclerosis
<2.5 m/sec
Mild-to-moderate
aortic stenosis
2.5–4.0 m/sec
Severe aortic stenosis
>4 m/sec

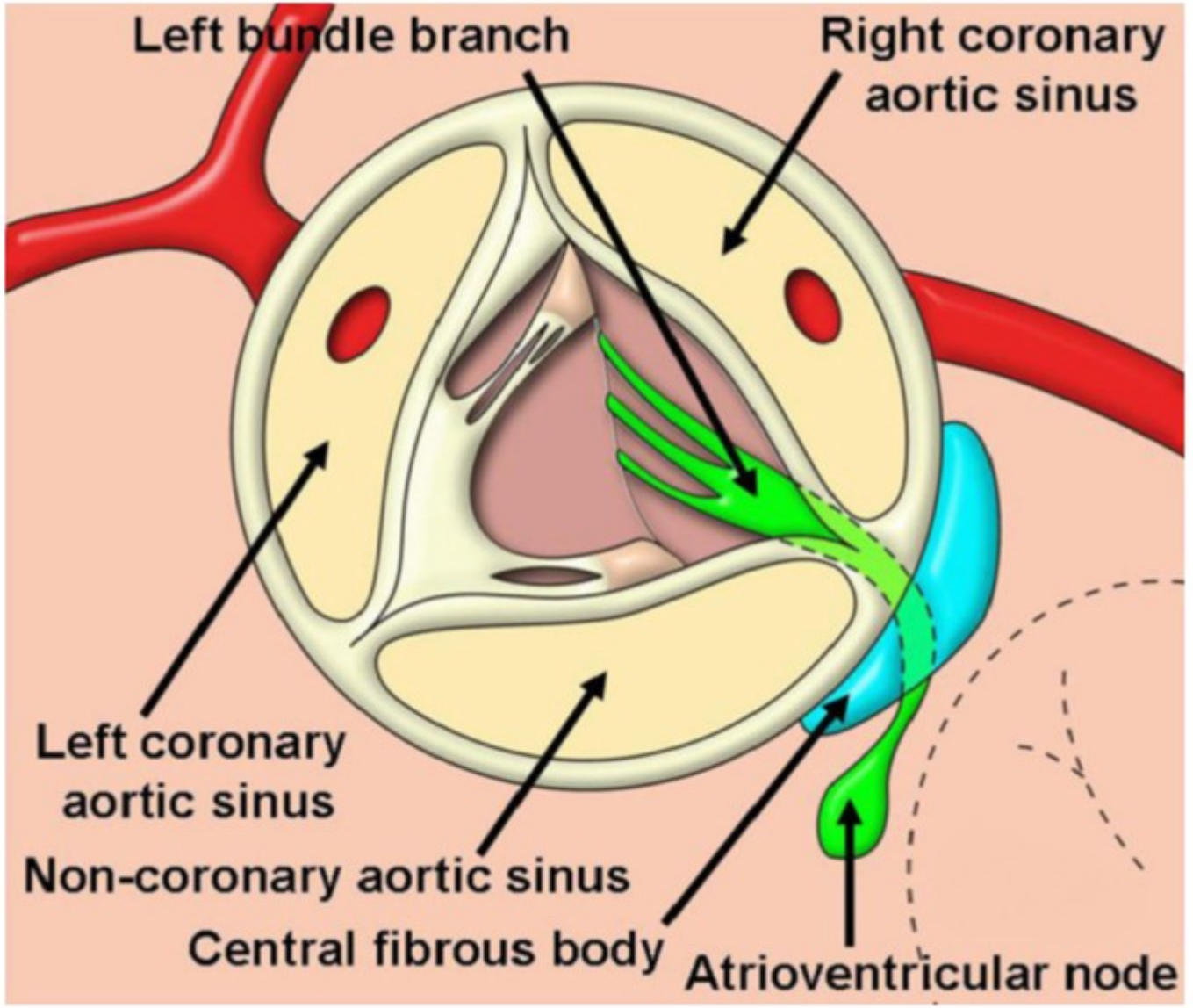
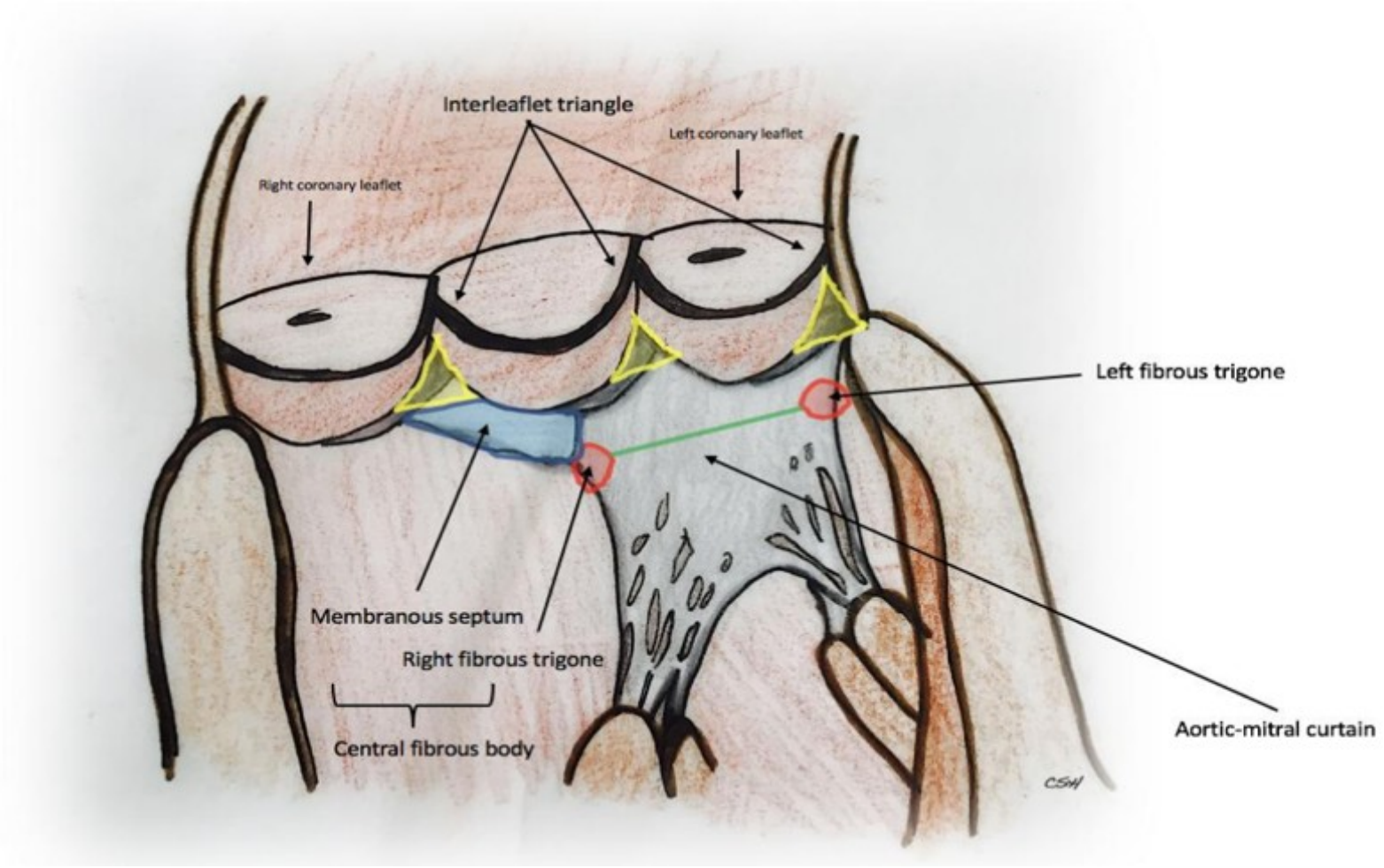
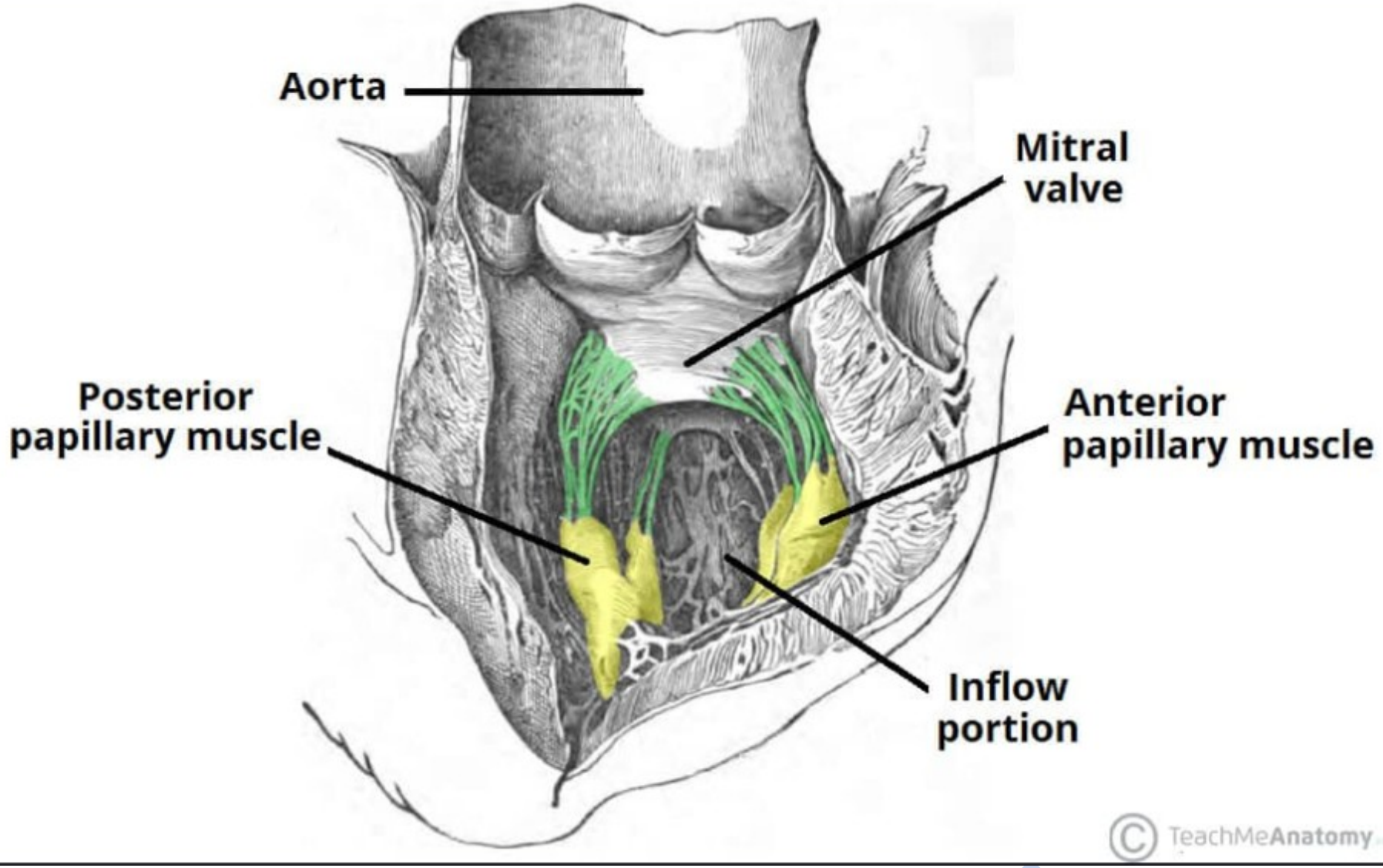
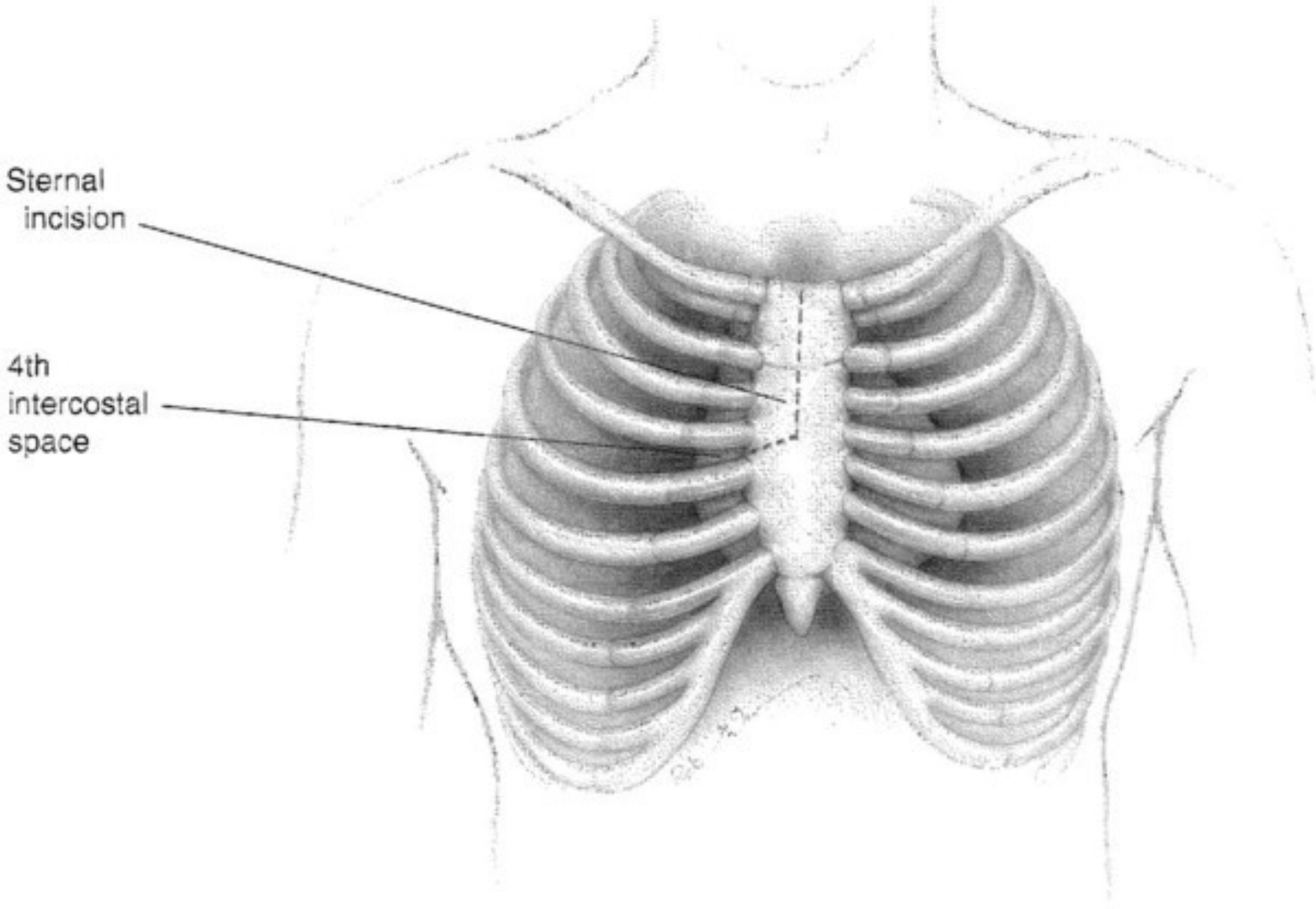
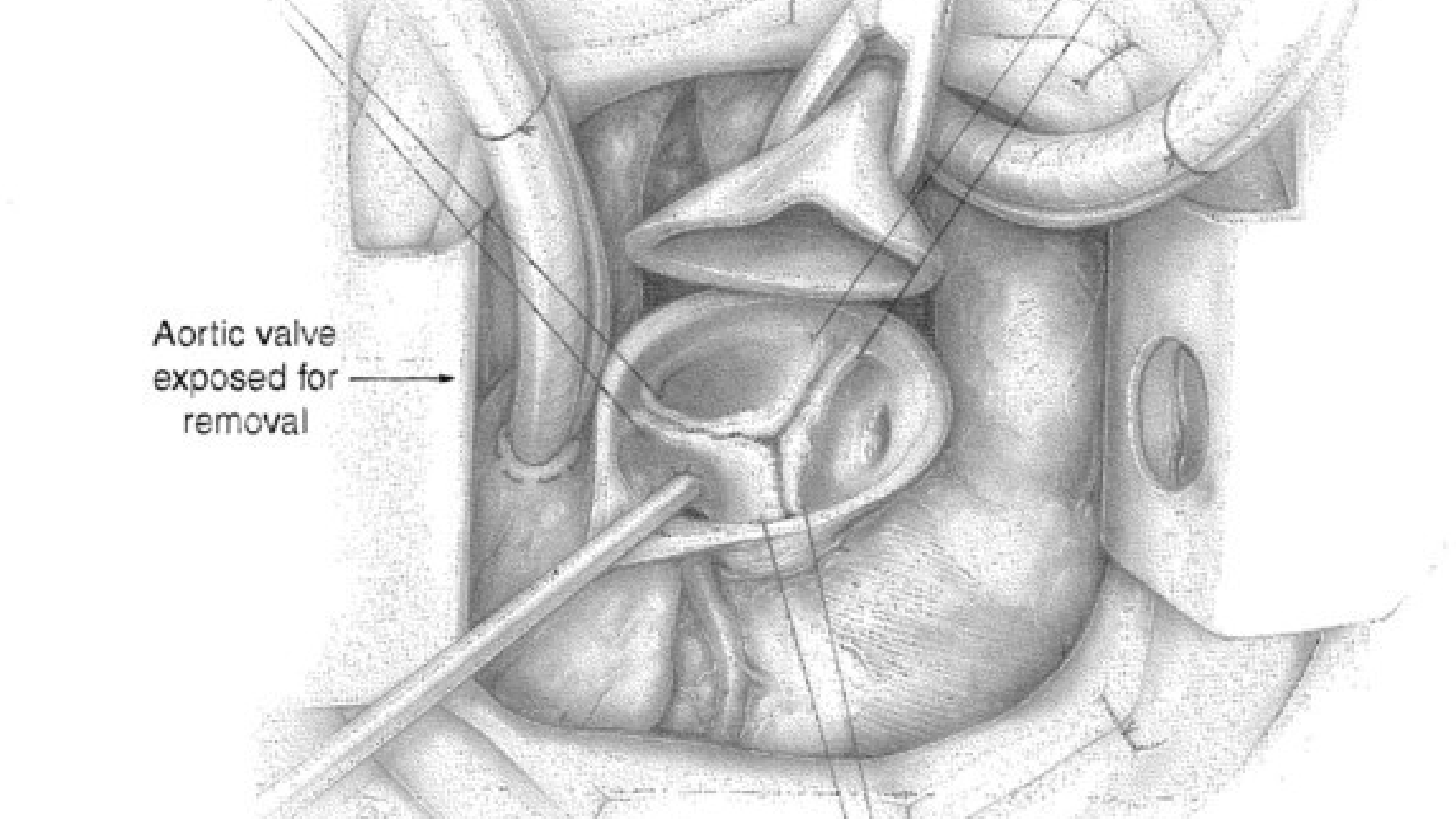

Left bundle branch
Right coronary aortic sinus
Left coronary aortic sinus
Non-coronary aortic sinus
Central fibrous body
Atrioventricular node

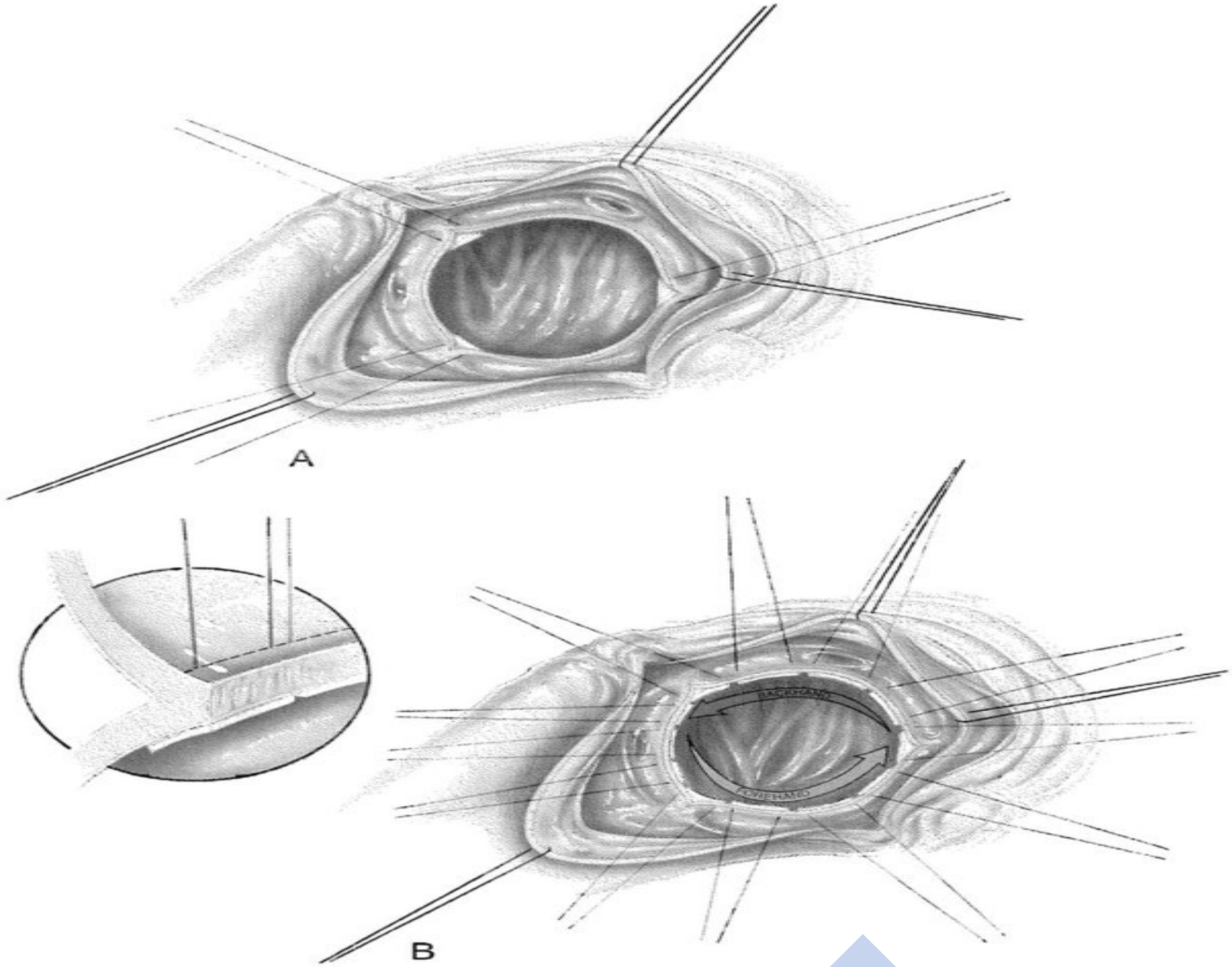
Figure 4: Anatomy of the interleaflet triangles and central fibrous body. Note the proximity of the aortic-mitral curtain, located between the right and left fibrous trigones.

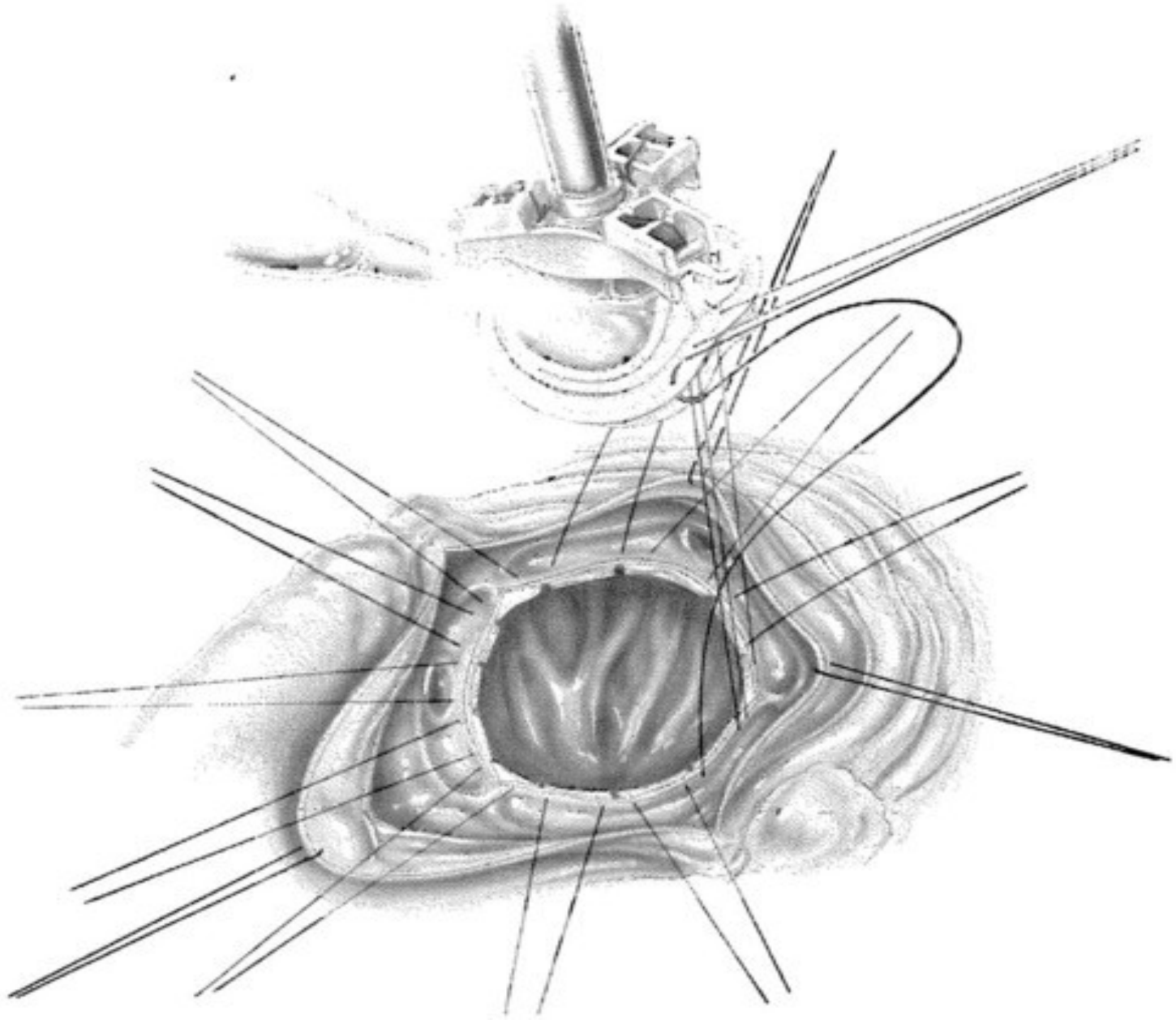


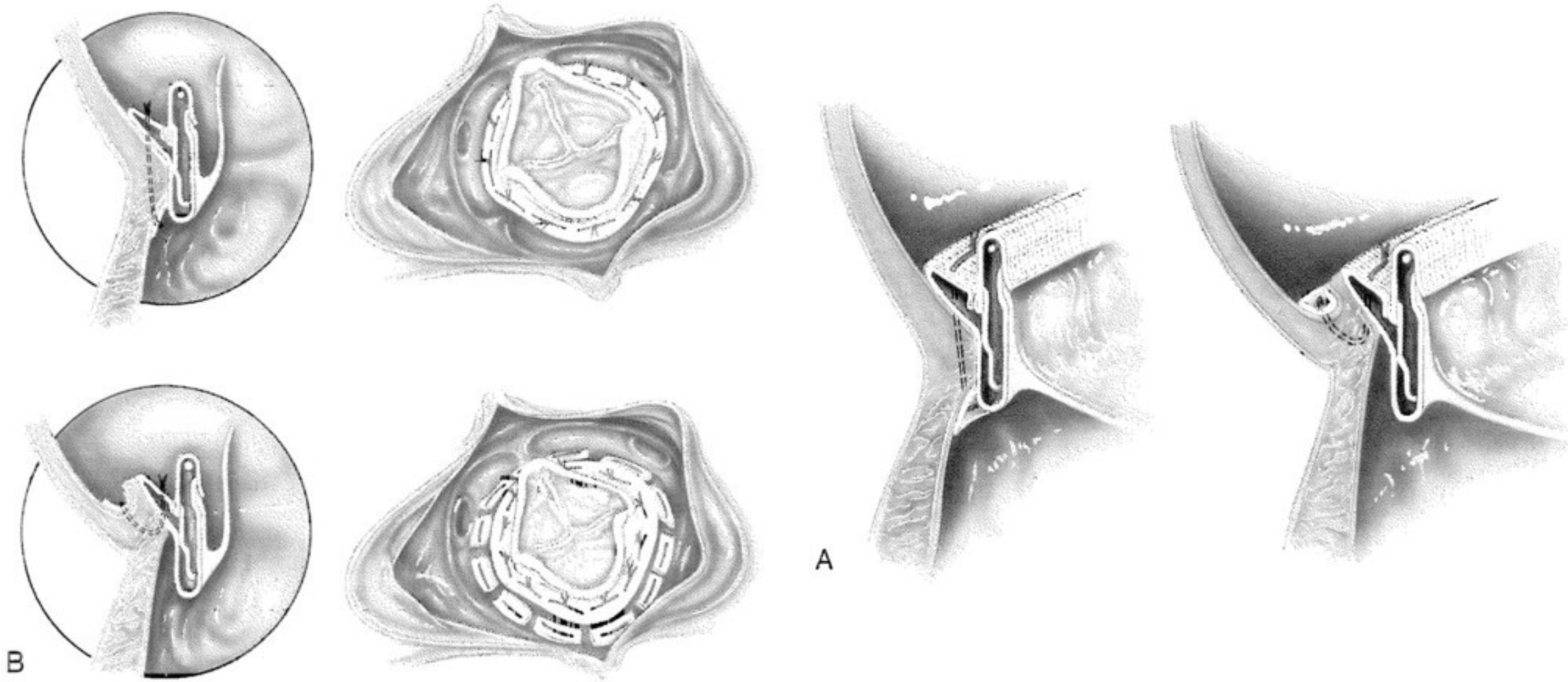

Aorta
Mitral valve
Posterior papillary muscle
Anterior papillary muscle
Inflow portion
© TeachMeAnatomy

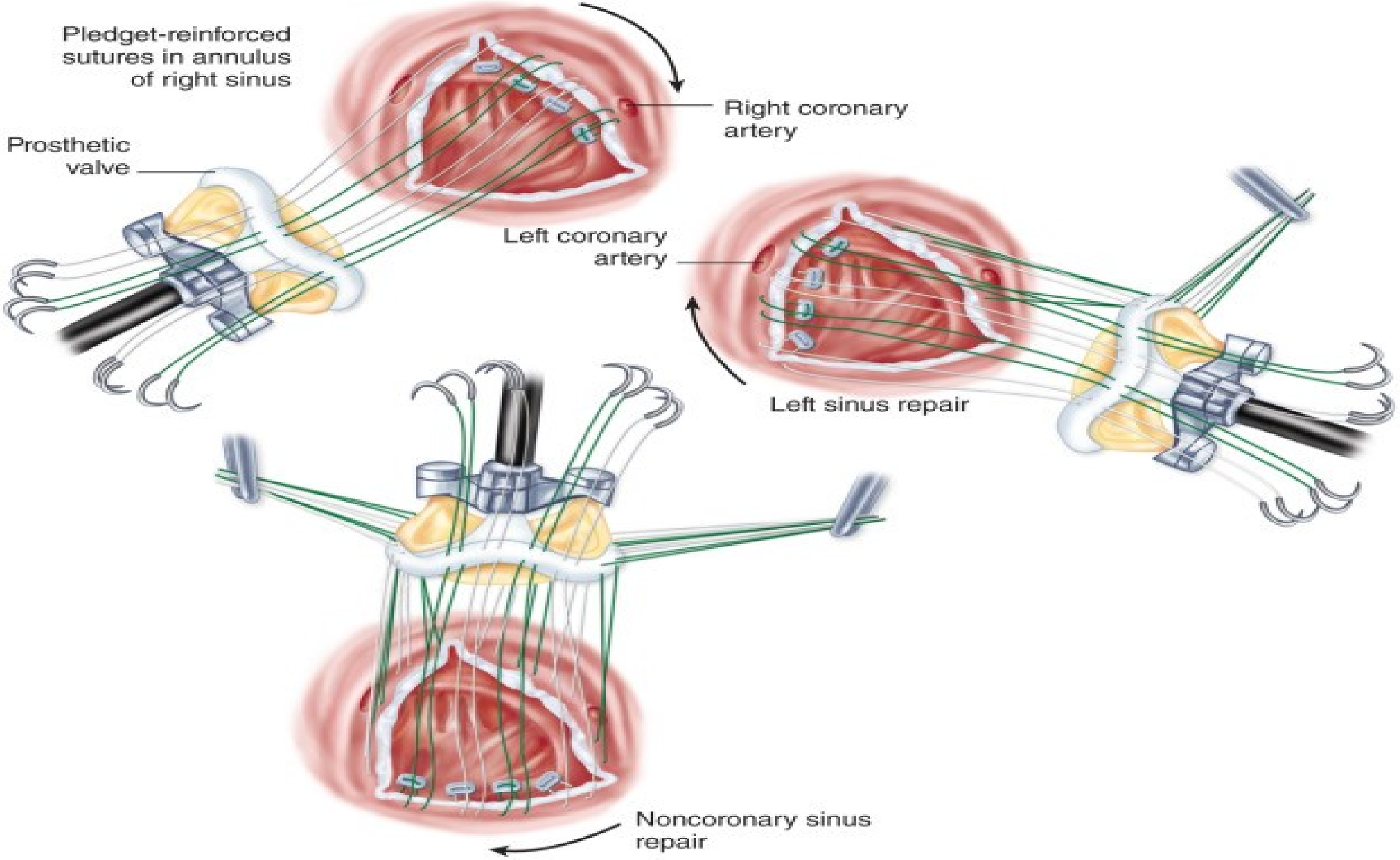

Sternal
incision
4th
intercostal
space


Aortic valve
exposed for
removal


A
B




B
A


Pledget-reinforced sutures in annulus of right sinus
Right coronary artery
Prosthetic valve
Left coronary artery
Left sinus repair
Noncoronary sinus repair

Mitral Valve

