

Valvular heart diseases



Marek Jakub Wawrzacz MD

Most common VHD

*Aortic
stenosis*

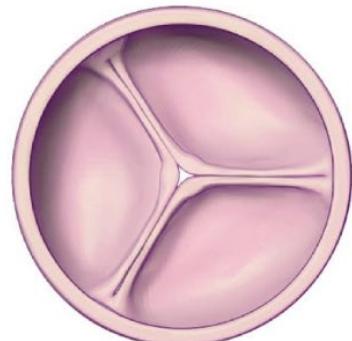
*Mitral
regurgitation*

*Tricuspid
regurgitation*

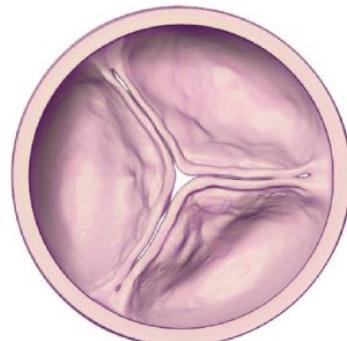
*Aortic
regurgitation*

Aortic stenosis

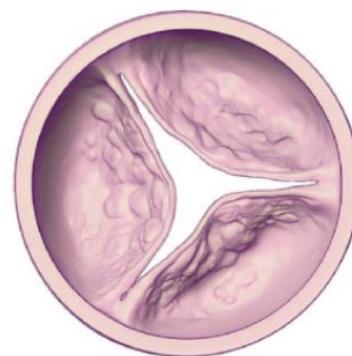
Disease Progression in the Valve Leaflets in Aortic Stenosis



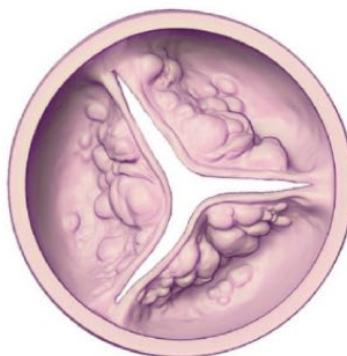
Healthy



Mild

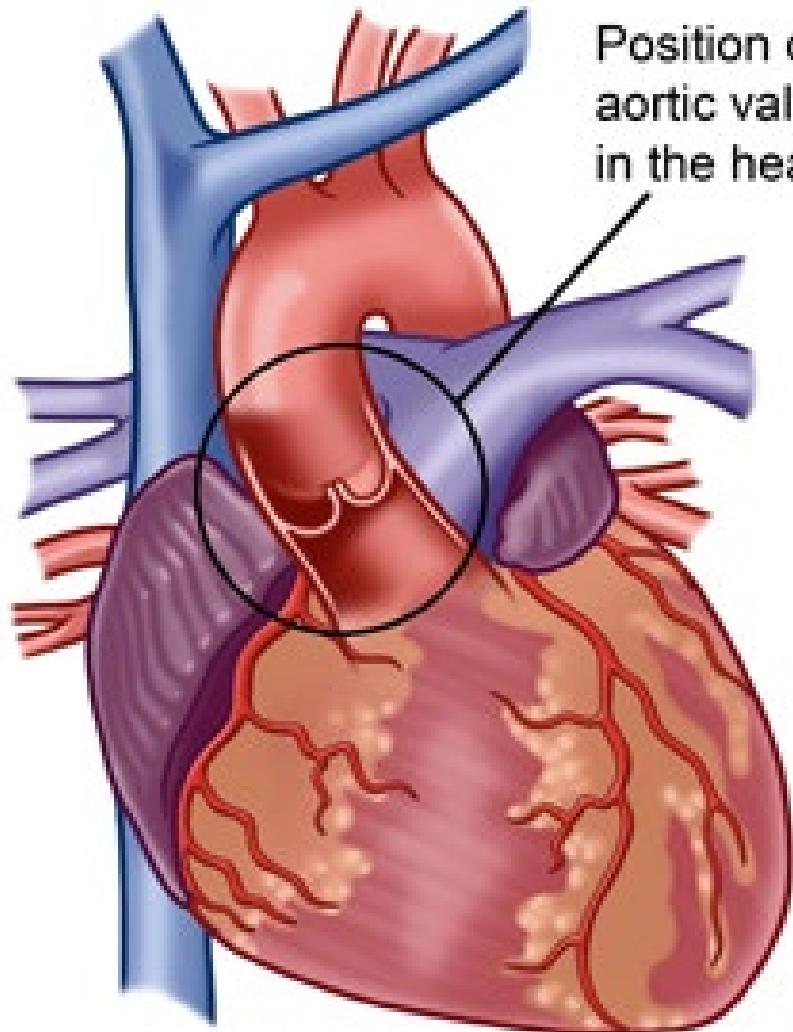


Moderate



Severe

Aortic stenosis



Position of
aortic valve
in the heart

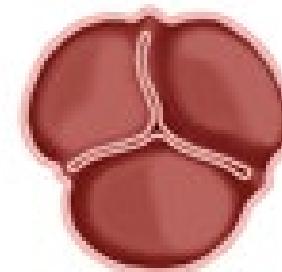
Tri-Leaflet (Normal)
Aortic Valve



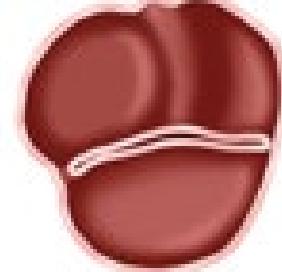
Open



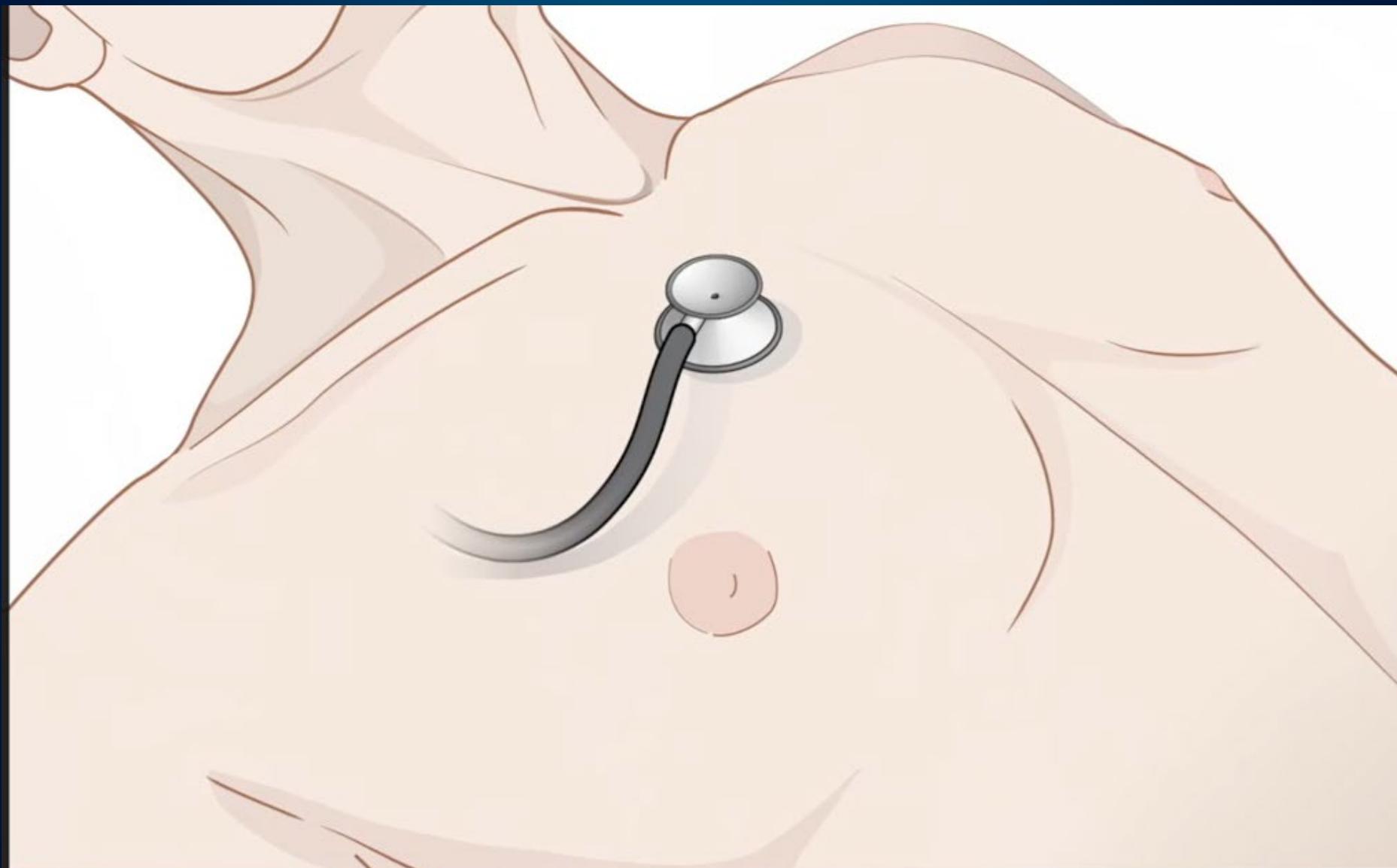
Bicuspid
Aortic Valve



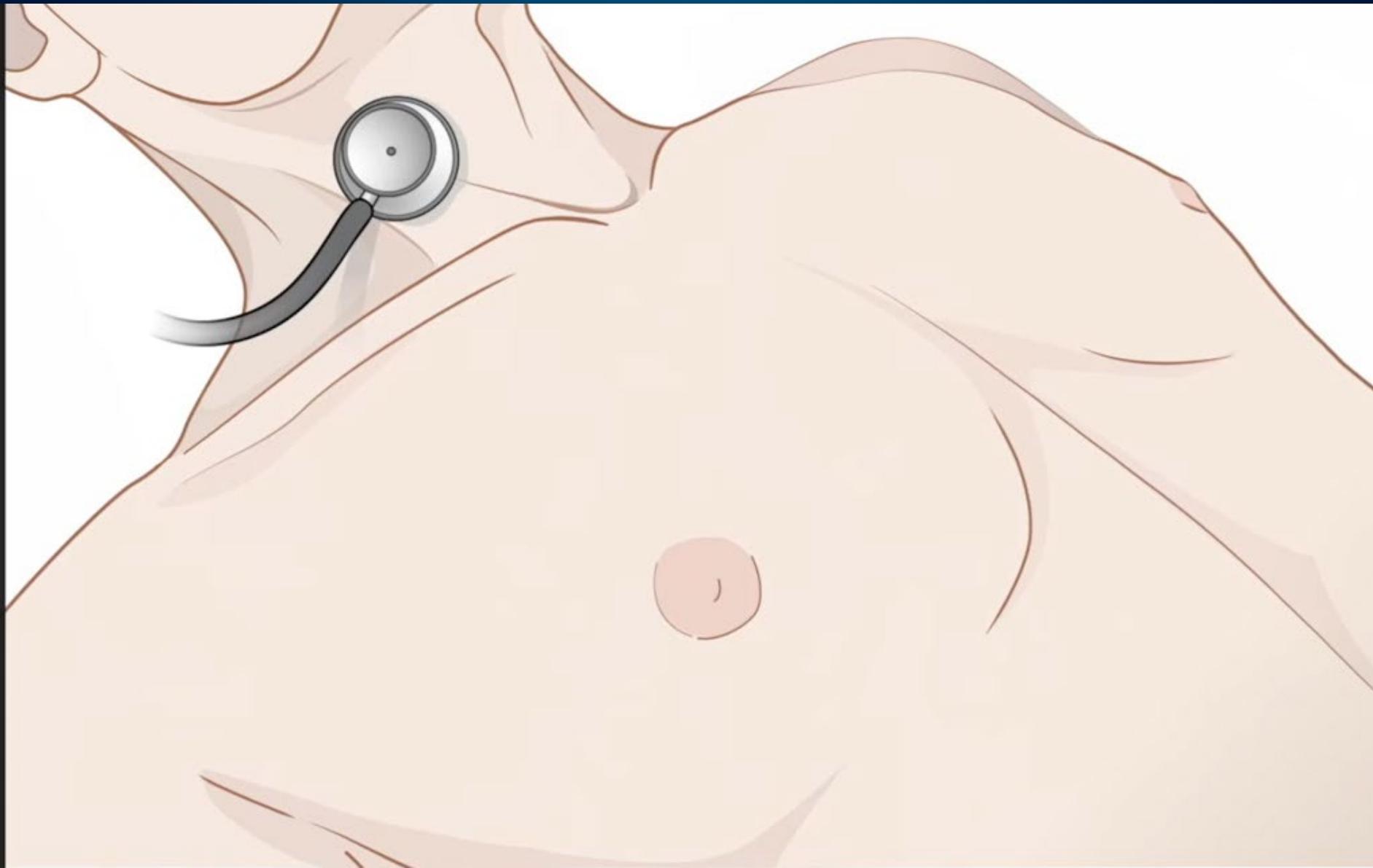
Closed



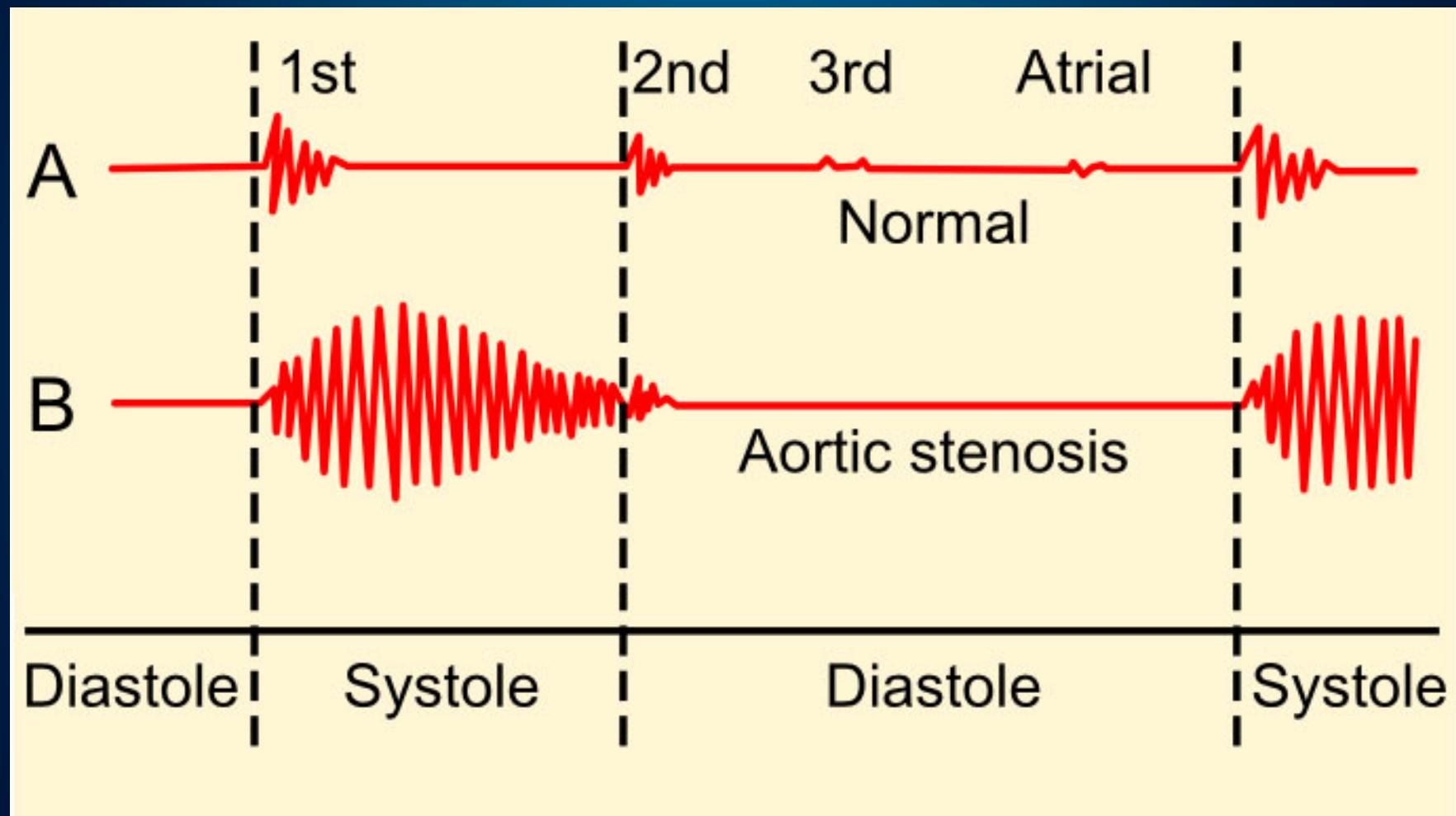
Aortic stenosis



Aortic stenosis



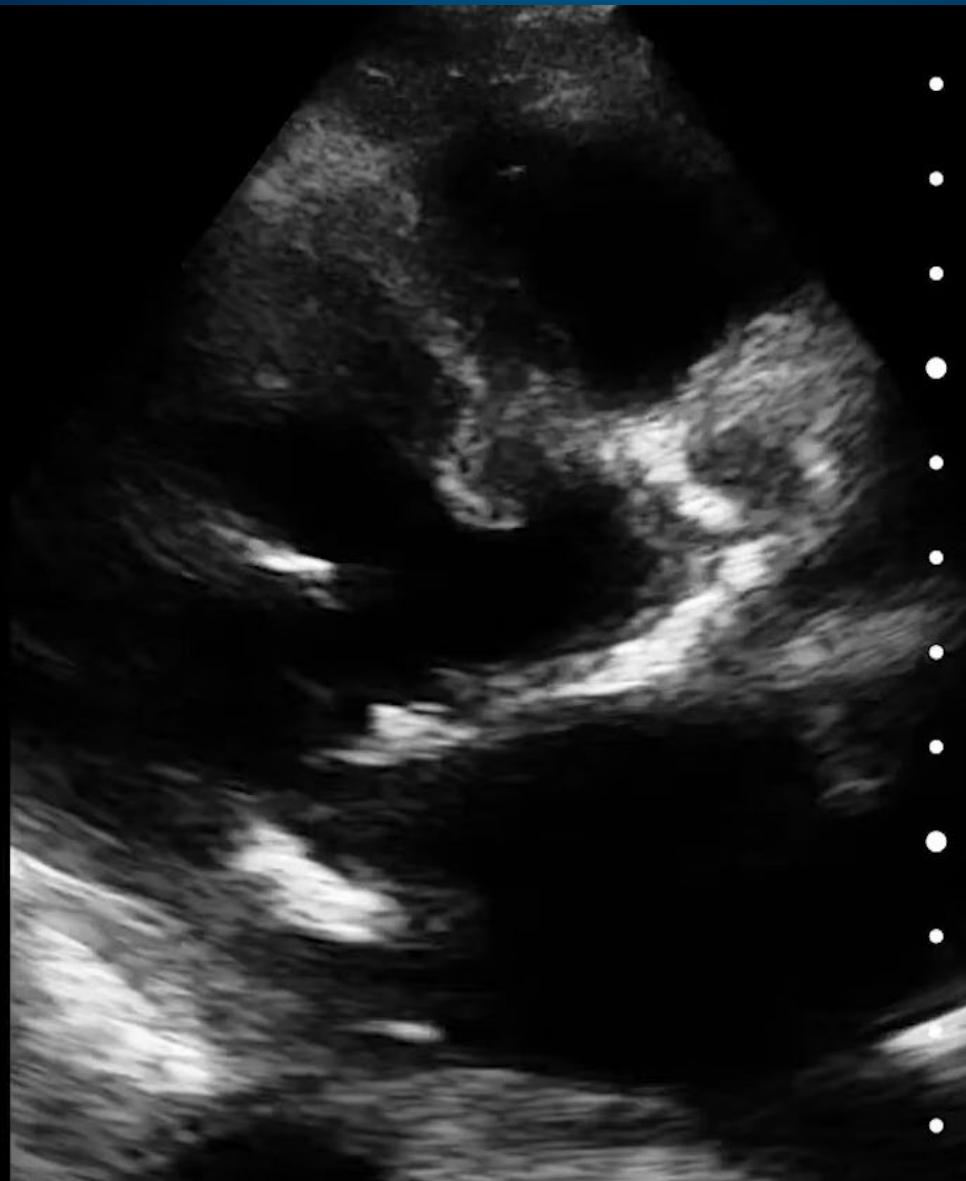
Aortic stenosis



Aortic stenosis



Aortic stenosis



Aortic stenosis

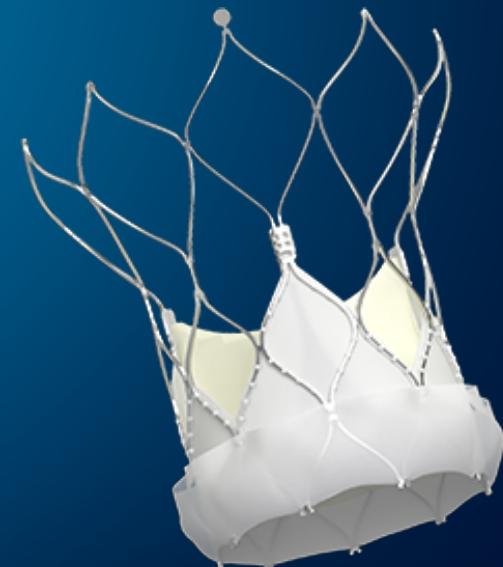
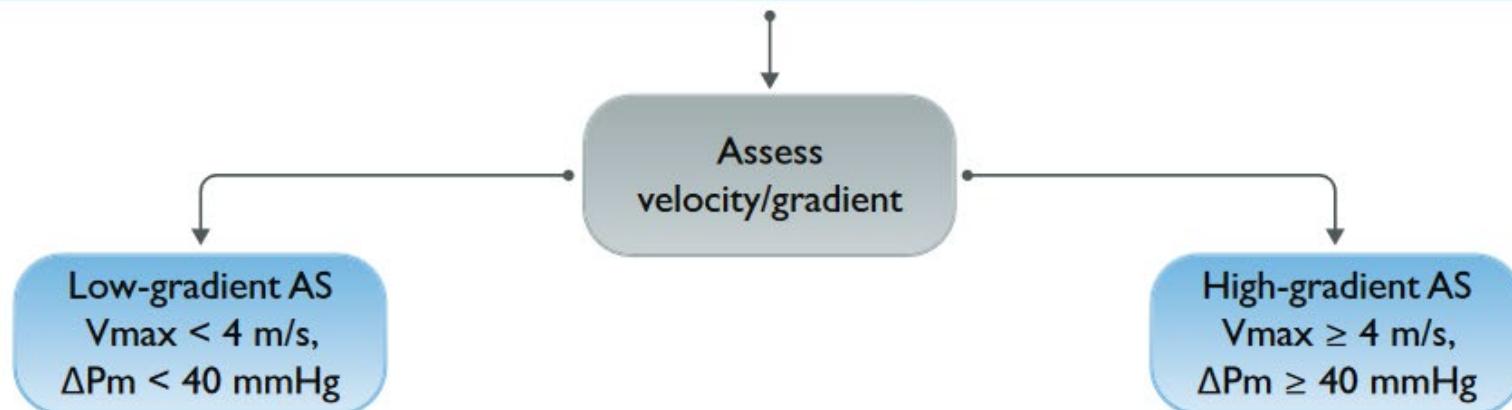


Aortic stenosis



Aortic stenosis

Valve morphology by echocardiography suspicious of AS



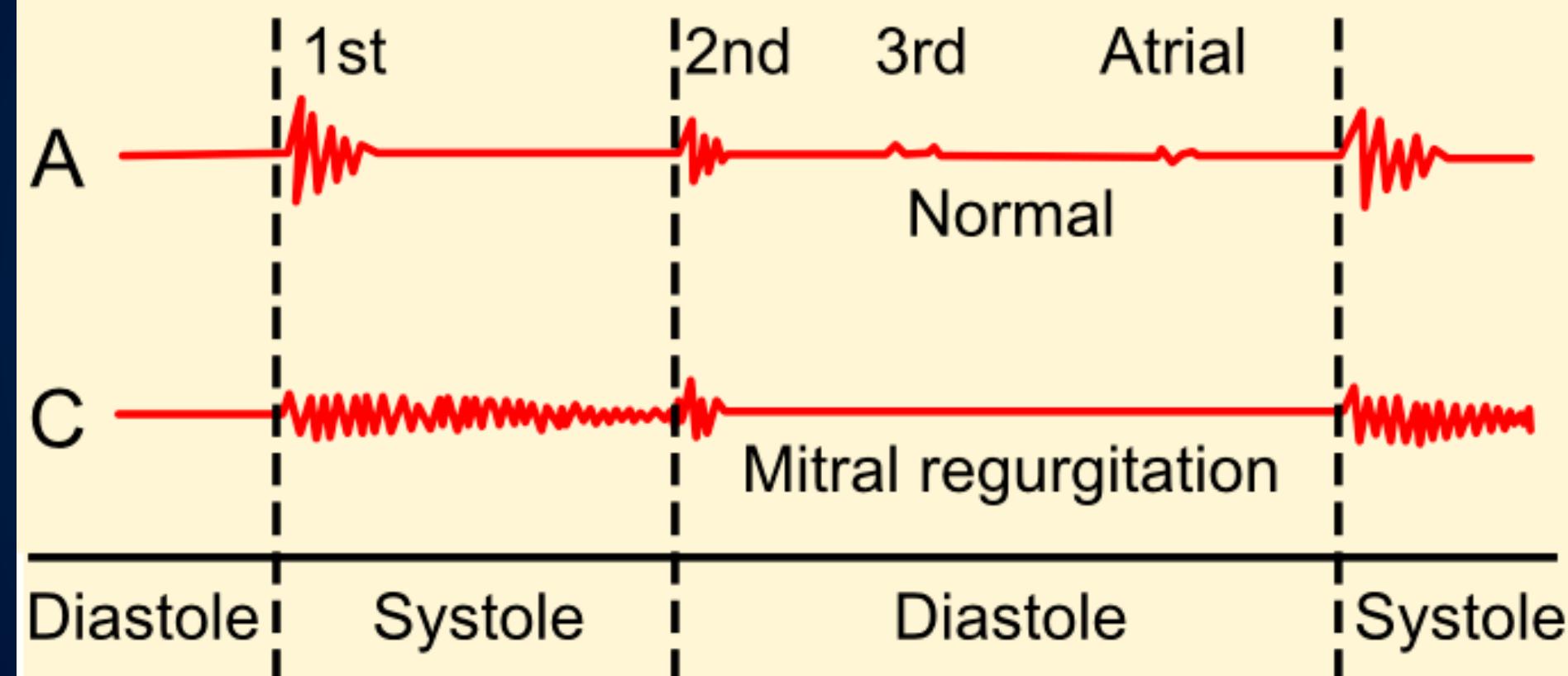
Mitral regurgitation



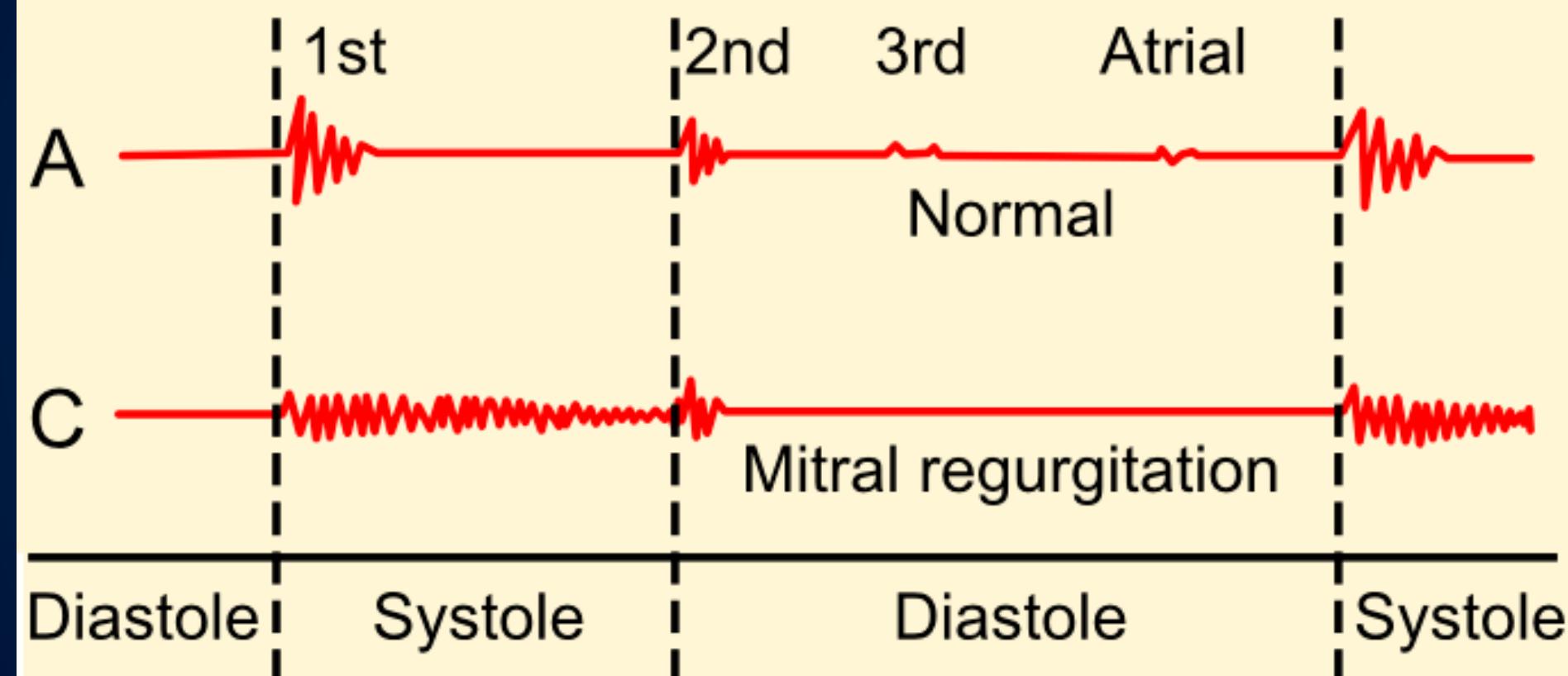
Mitral regurgitation



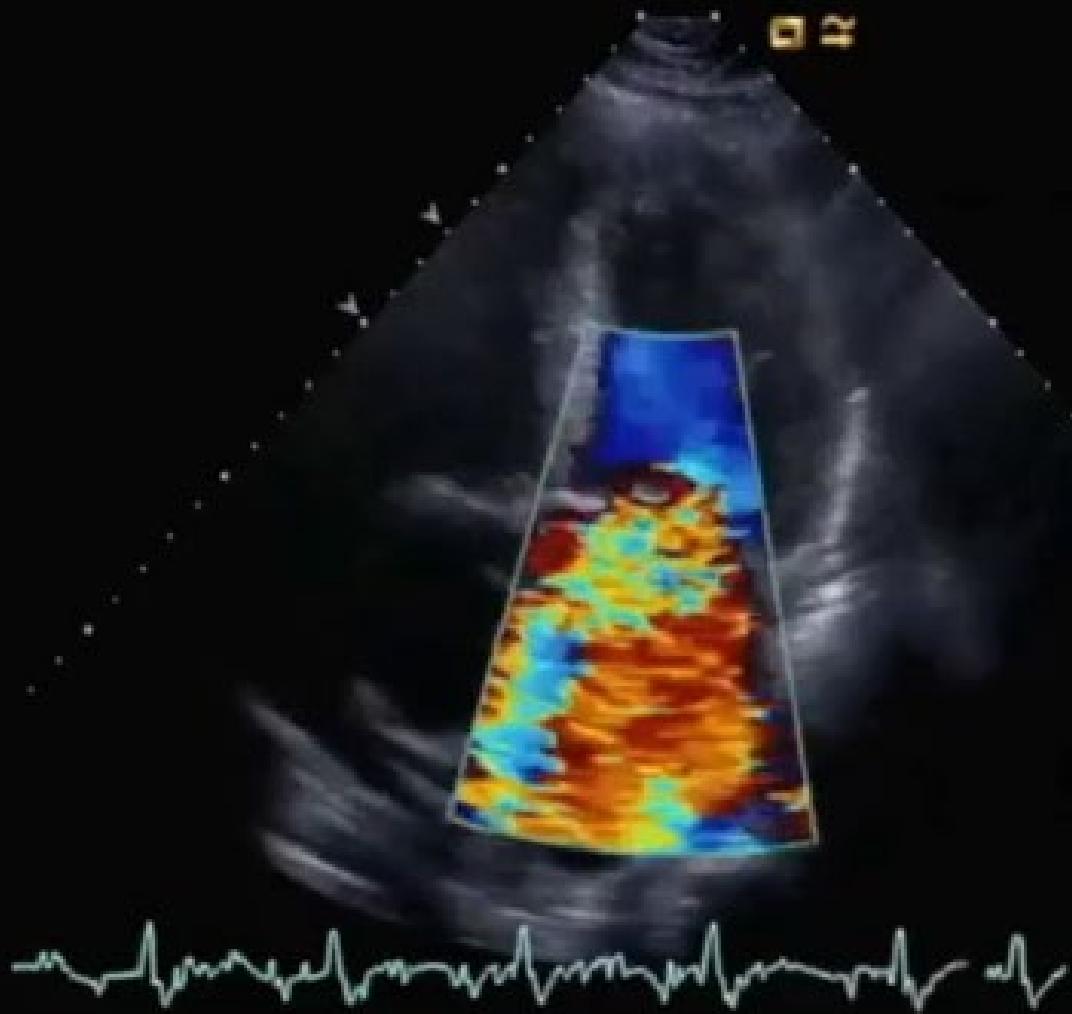
Mitral regurgitation



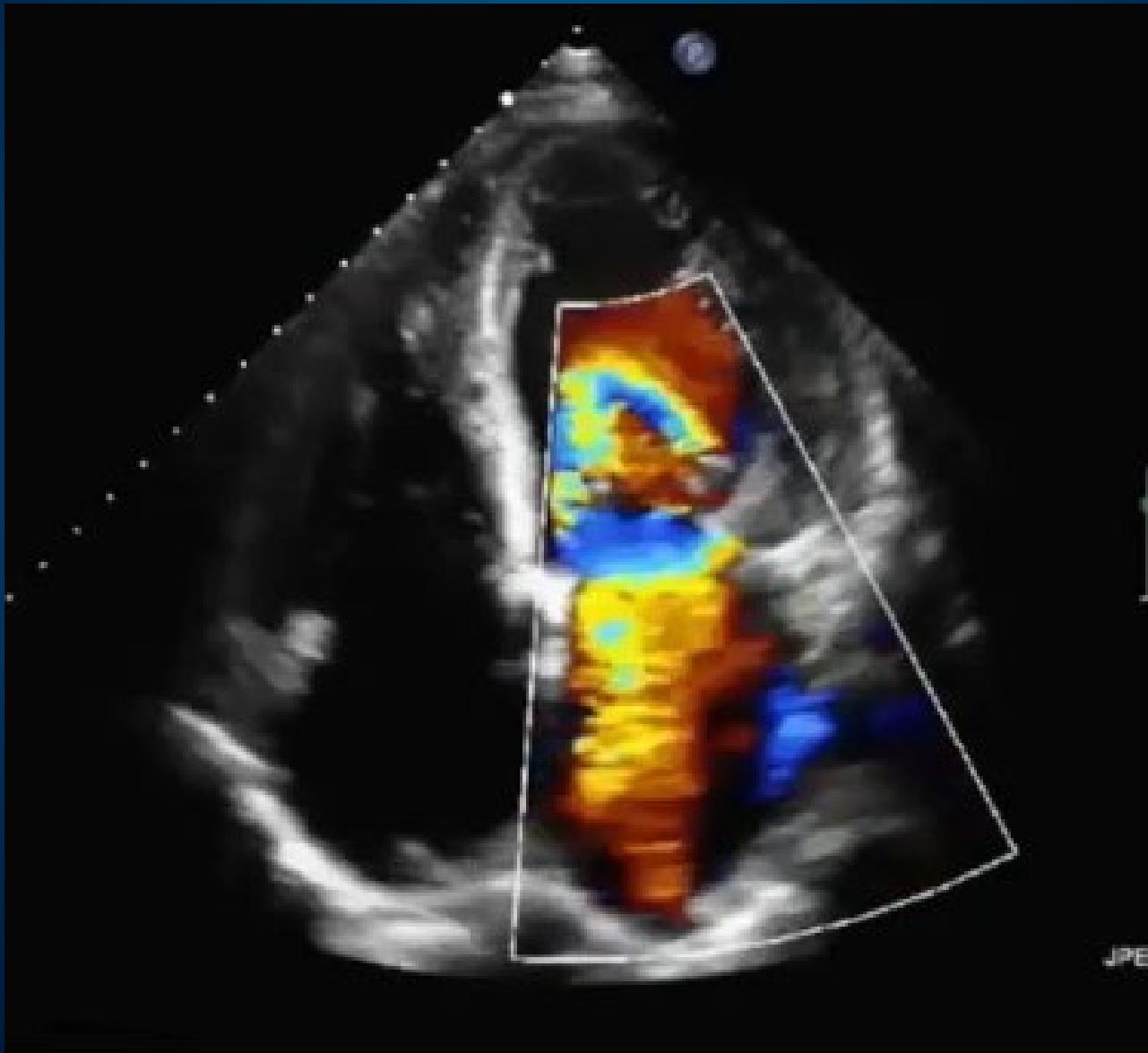
Mitral regurgitation



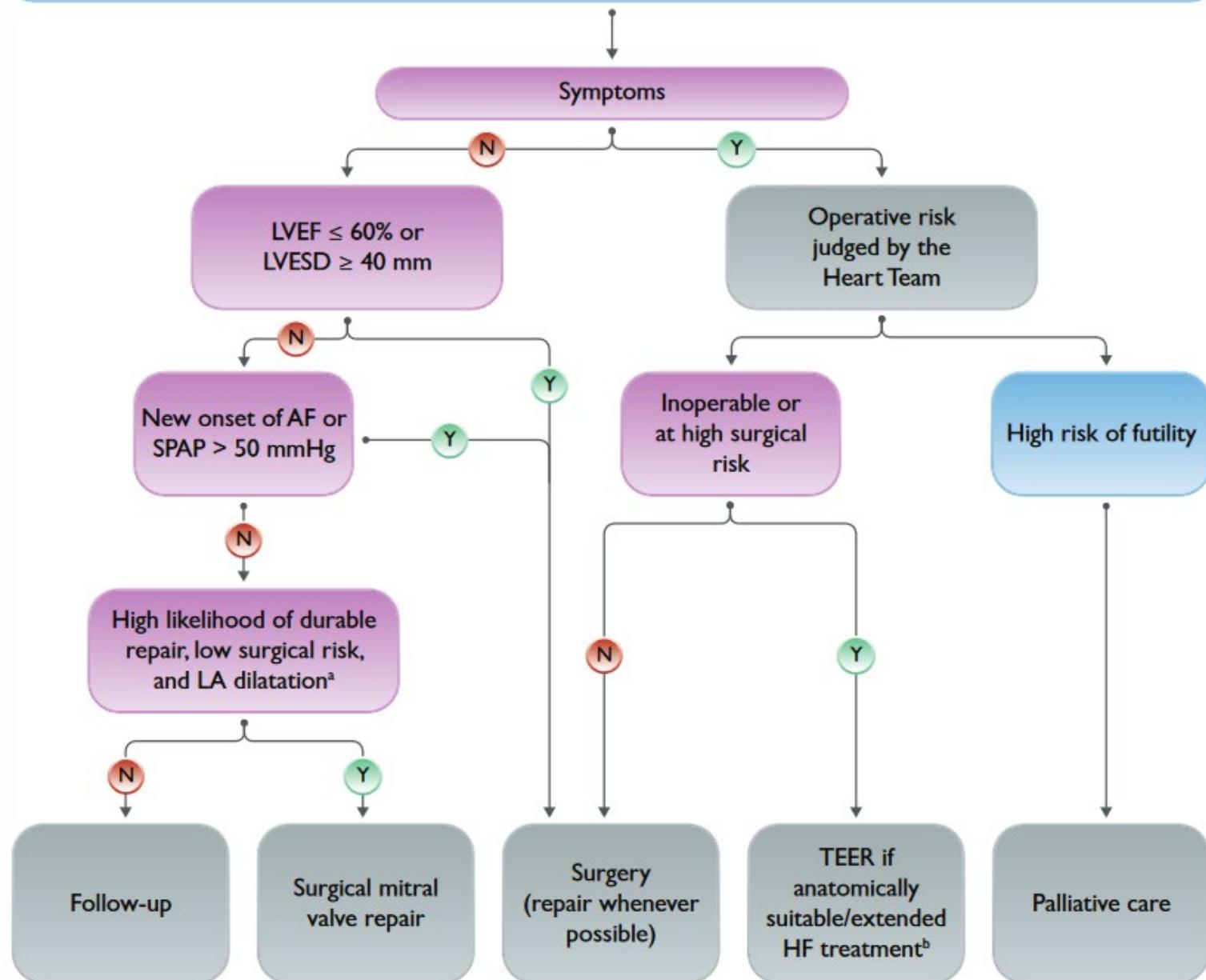
Mitral regurgitation



Mitral regurgitation



Management of patients with severe chronic primary mitral regurgitation



A

AML

PML

B

Papillary muscle and chordae tendineae



PML

C**D**

Functional bileaflet mechanical prosthetic heart valve

