Cases: Endocarditis

Stephen H. Little, MD

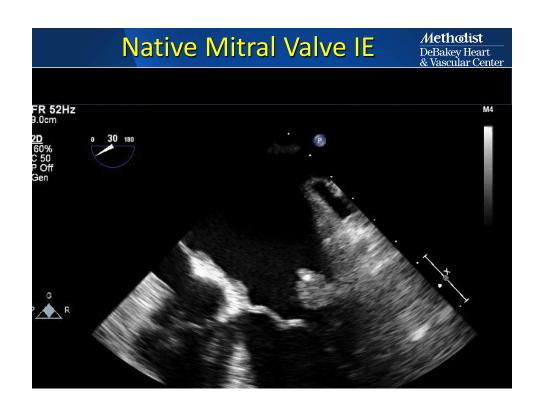
Metholist

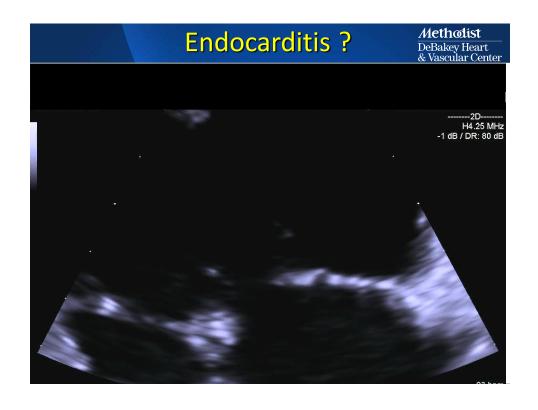
DeBakey Heart & Vascular Center

John S. Dunn Chair in Cardiovascular Research and Education, Associate professor, Weill Cornell Medicine

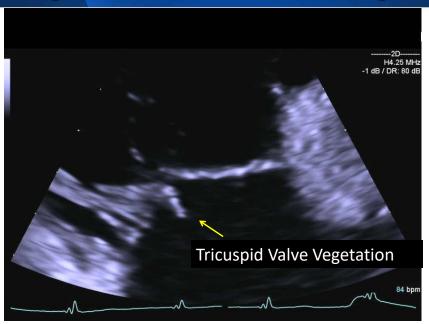


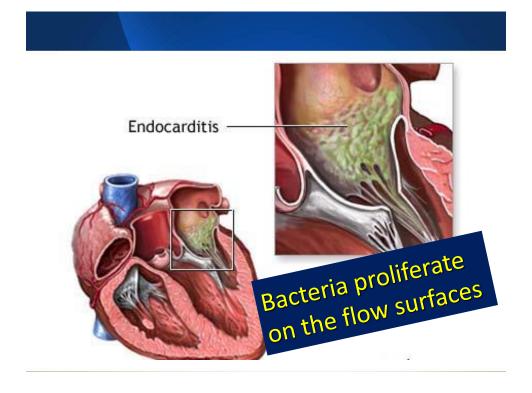
What is a vegetation?

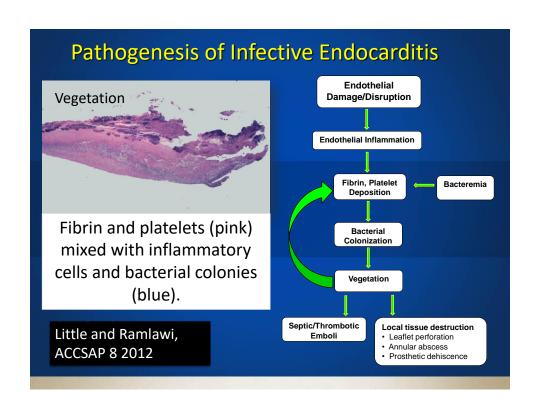


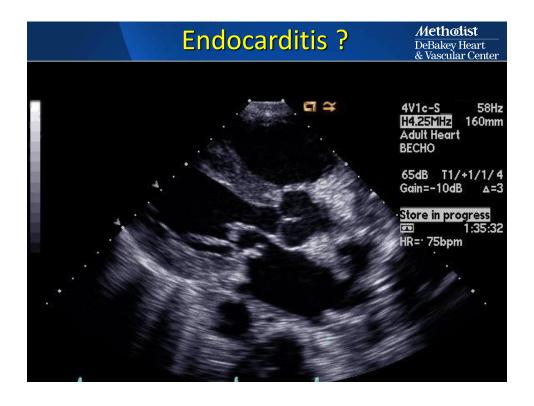


Right Sided Endocarditis: IV Drug User

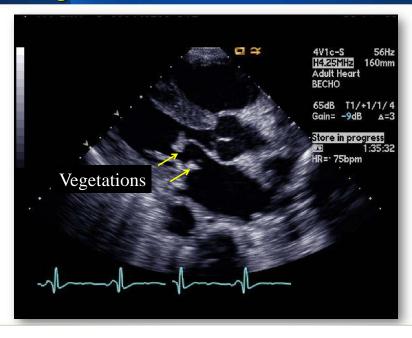


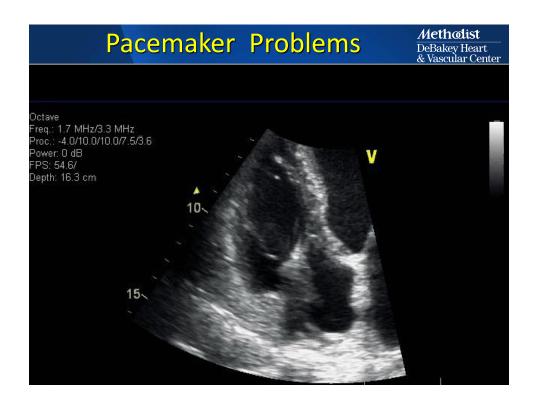


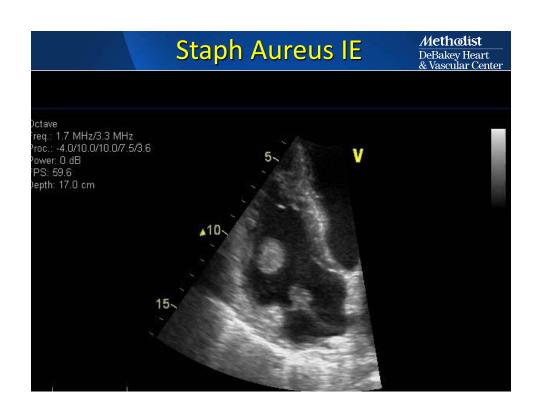




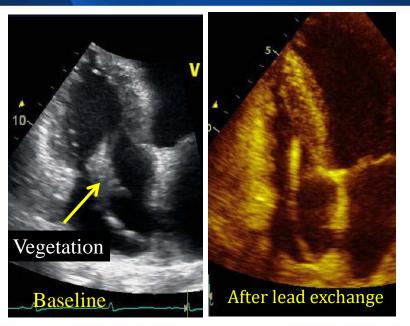
Fungal Native Valve Endocarditis

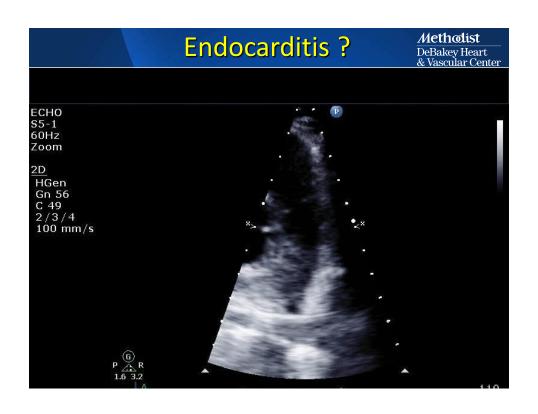


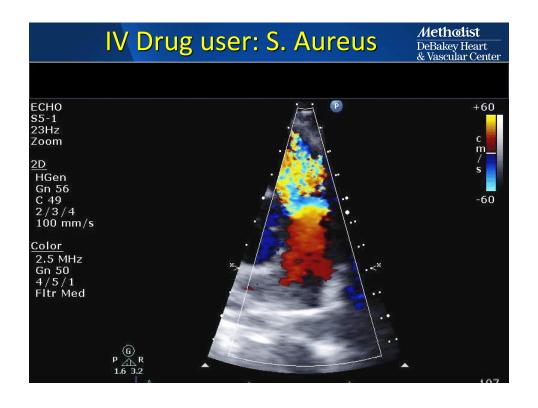




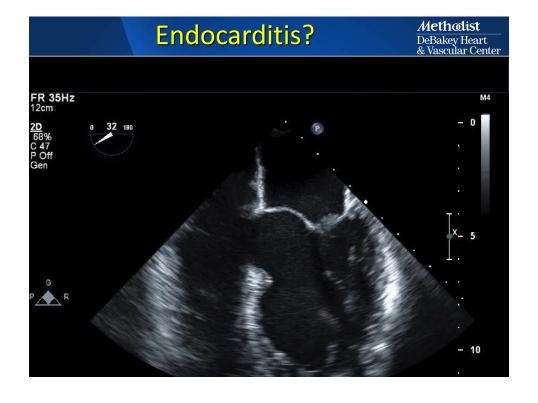
Pacemaker lead endocarditis







What is noninfectious endocarditis? Methodist DeBakey Heart & Vascular Center



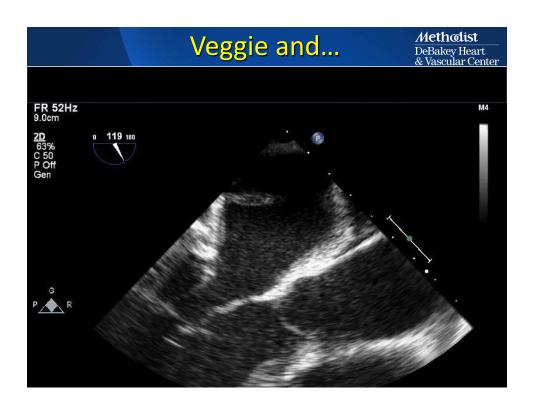


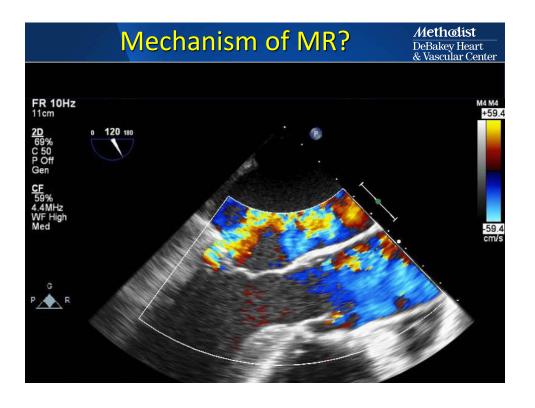
Libman-sacks endocarditis:

-flat, pale tan, spreading vegetations over the mitral valve surface and even on the chordae tendineae

What are the common complications of IE?

Metholist
DeBakey Heart
& Vascular Center





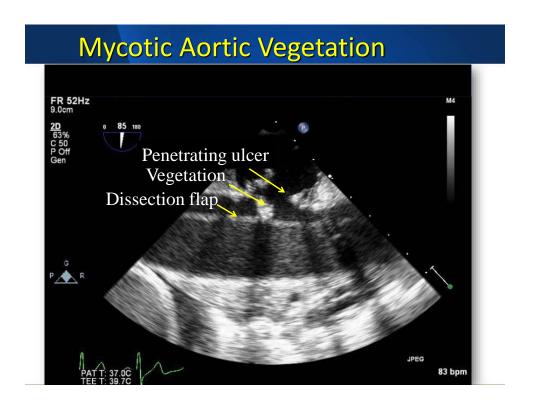
Mitral Valve Leaflet Perforation



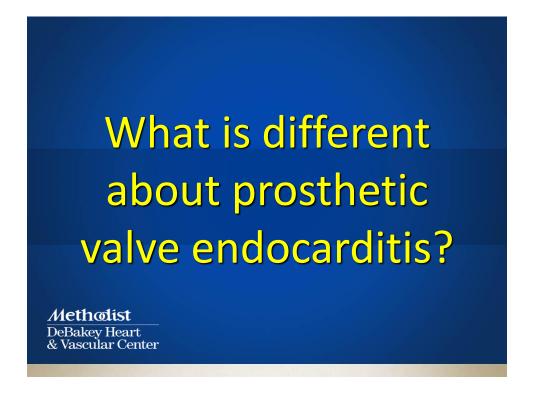
Mitral Leaflet Perforation



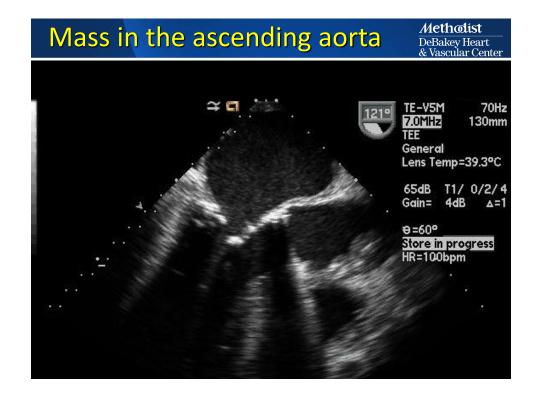




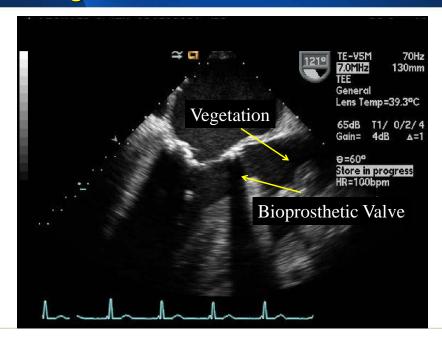








Fungal Prosthetic Valve Endocarditis

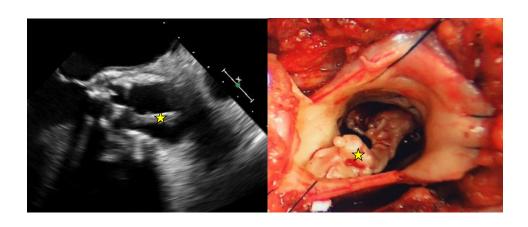


BioProsthetic AV Stenosis

(4months after AVR)

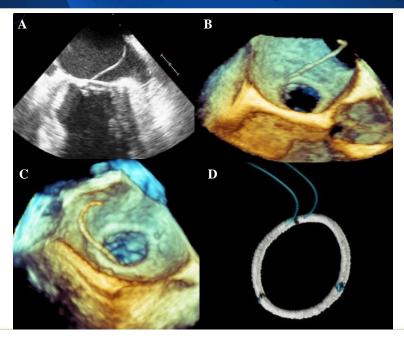


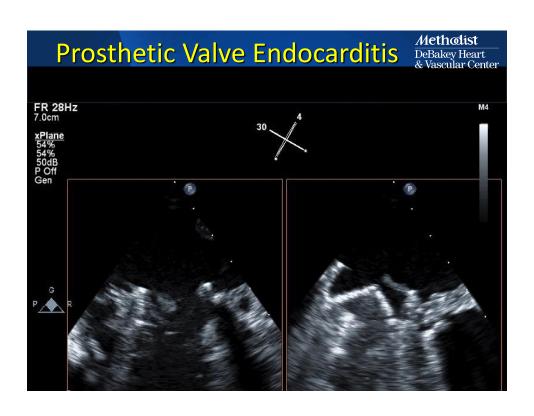
Nocardia Endocarditis

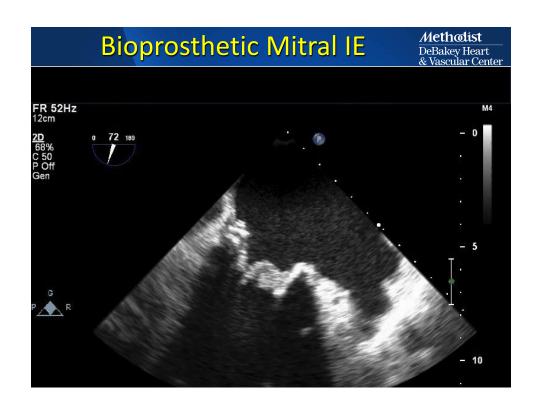


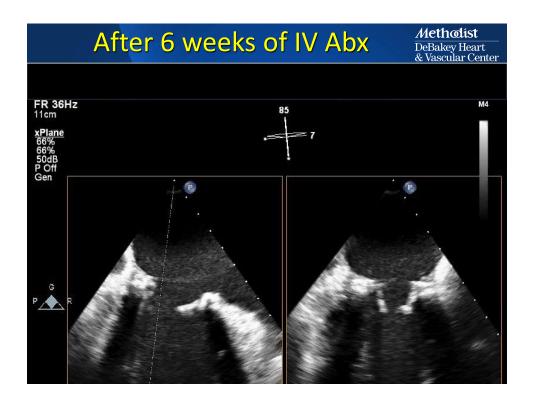


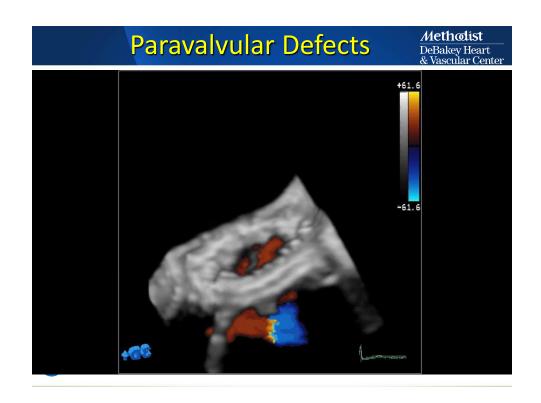
The Attune Adjustable Annulus Ring: ...Not a Veggie



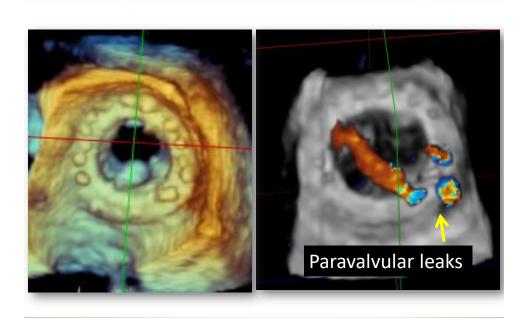




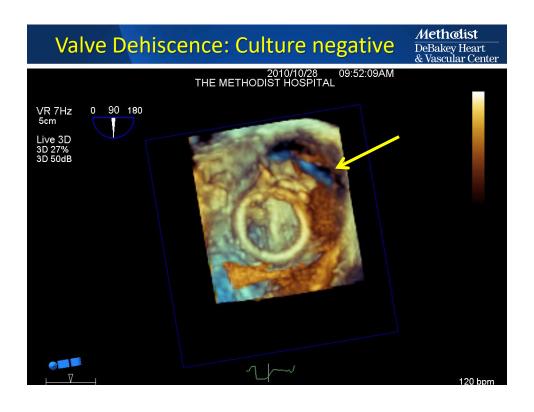




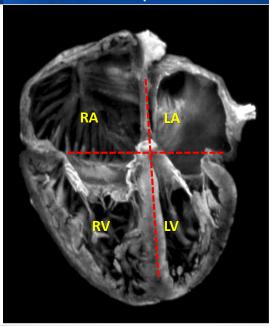
3D Echo to assess PVE treatment



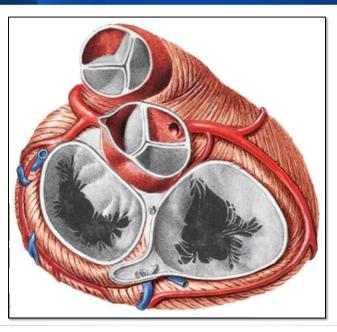




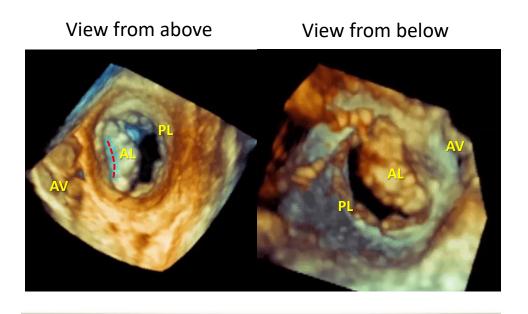
The Cardiac Crux (Fibrous Skeleton)



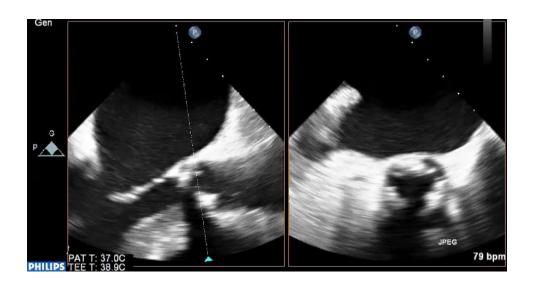
Heart Anatomy

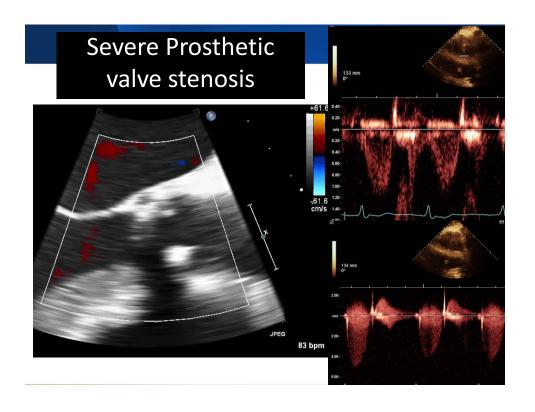


The intervalvular fibrosa





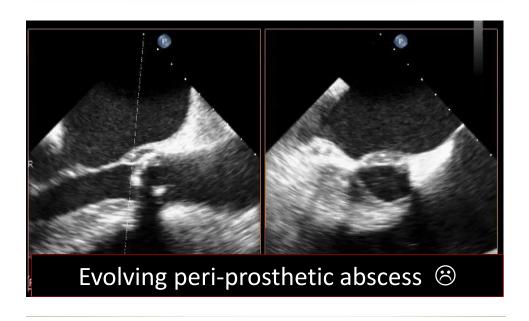




IV Abx for 2 months; then repeat TEE



Sent for Redo AVR

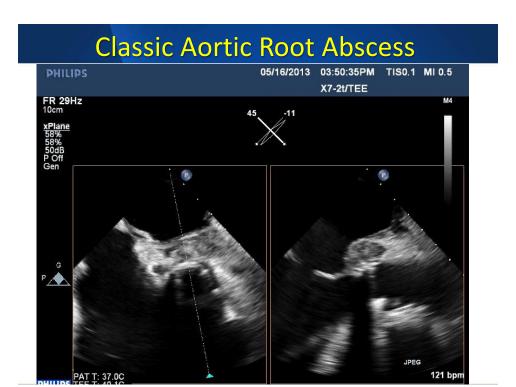


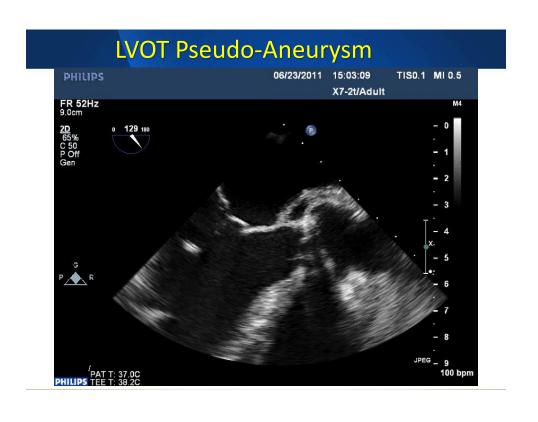
Aortic Root Abscess

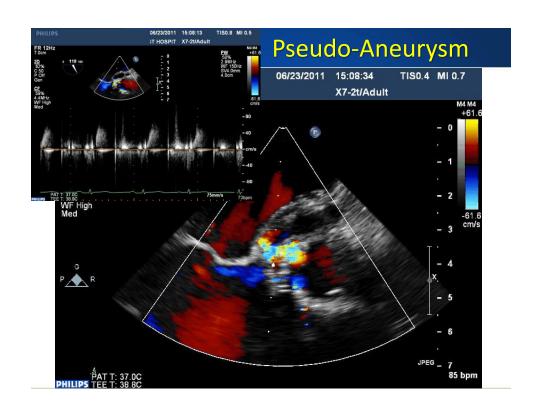


Aortic Root & LV Abscess









LVOT –Aortic Root Fistula



Summary

- Endocarditis is inflammation of the endocardium.
- Usually involves the valves but other structures can be affected (septum, chordae, intracardiac devices)
- Characterized by a prototypic lesion, the vegetation; a mass of platelets, fibrin, microorganisms, and inflammatory cells.
- Echo is the mainstay for diagnosis and treatment assessment.

