

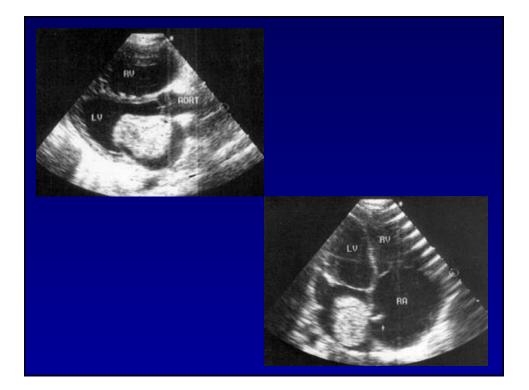
# **Primary Cardiac: Benign**

- Myxoma (>50%)
- Lipoma
- Rhabdomyoma
- Fibroma
- Hemangioma
- Papillary fibroelastoma (aortic valve)

## Myxoma

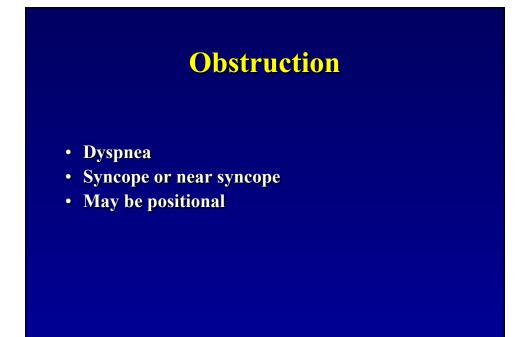
• Most are pedunculated masses arising from fossa ovalis region and extending into LA. Most others extend into RA.





## **Clinical Syndrome**

- Obstruction of MV inflow
- Emboli
- Constitutional (paraneoplastic)



### **Constitutional Symptoms**

- Fevers, weight loss, increased IgG, increased ESR, increased ANA, hemolytic anemia
- Due to production of inflammatory cytokines (IL-6), tumor necrosis/embolization

#### **Other Benign Tumors**

- Usually extend into ventricular cavity
- May cause rhythm/conduction disturbance or obstruction to flow

### **Malignant: Primary**

- Primary tumors are sarcomas
- Course rapid
- Pulmonary metastases

#### **Malignant: Secondary**

- Usually carcinomas (lung, breast)
- Usually already in chest (i.e. lungs and/or pleura)
- Most often pericardial space is first and most prominently involved
- Renal cell carcinoma -> IVC -> right heart
- Melanoma/Lymphoma