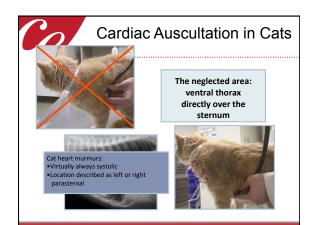


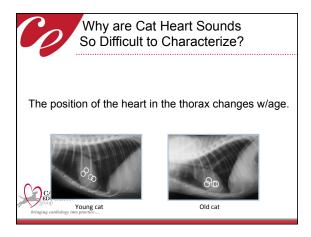




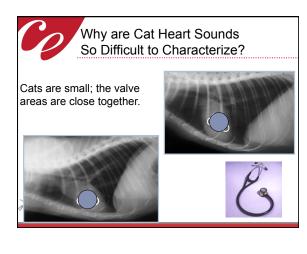
Why are Cat Heart Sounds So Difficult to Characterize?

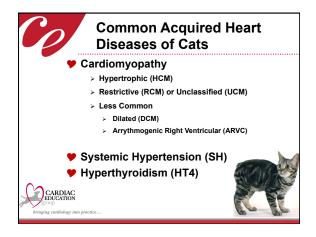
- A. Gallop heart sounds can be hard to detect.
- B. Murmurs in cats all sound the same.
- C. Cats are small; the valve areas are close together.
- D. The position of the heart in the thorax changes w/age.
- E. Most feline heart murmurs are dynamic (labile).
- F. Knowledge deficits about murmur location, prevalence.
- G. All of the Above.

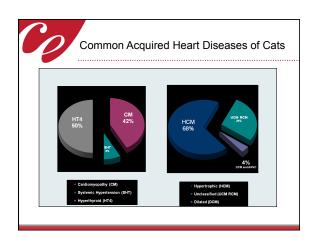


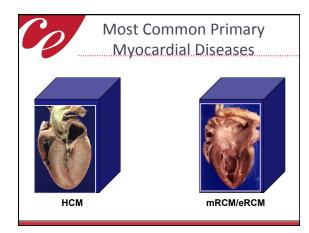


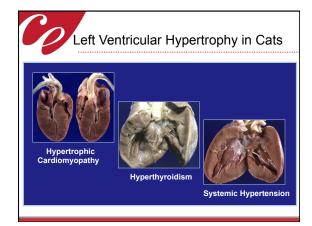


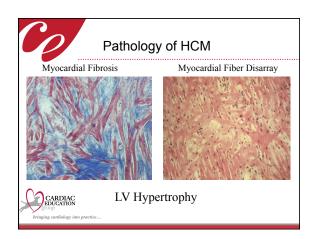




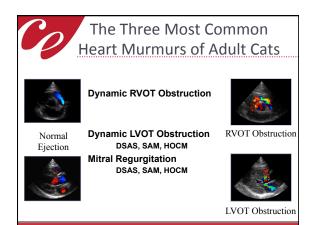


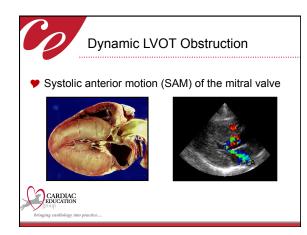






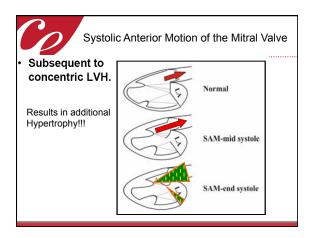




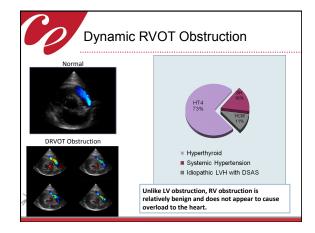


Dynamic	LVOT Obst	ruction
Dynamic LVOT obstruction:		
•Caused by systolic anterior motion (•Creates a source of pressure overload		/e
Pressure overload → concentric hype HCM heart!	ertrophy in an already	hypertrophied
		e de
	alter and a second s	al all
$\stackrel{\text{early}}{\underset{\text{systole}}{\longrightarrow}} \longrightarrow$	mid systole	late systole

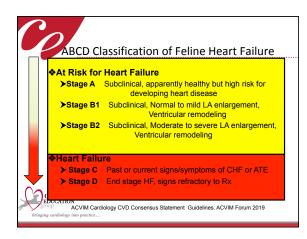




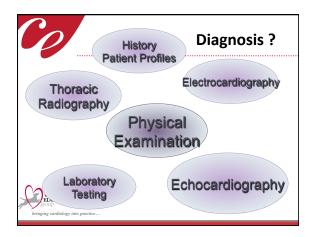










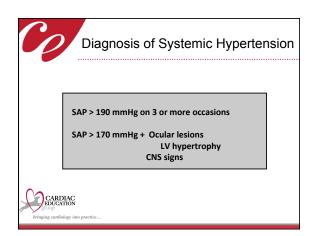


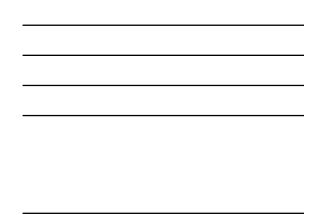


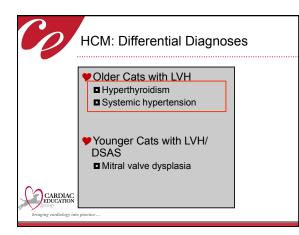
After Hearing a gallop or murmur, what is the next step in the cardiac evaluation?

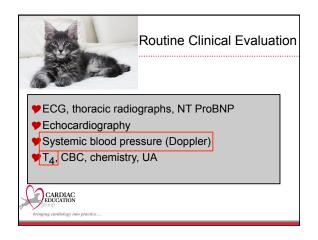
A. ECG

- B. NT ProBNP
- C. Blood Pressure
- D. Serum Thyroid Levels
- E. Thoracic Radiographs
- F. Echocardiogram



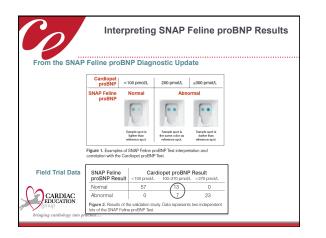




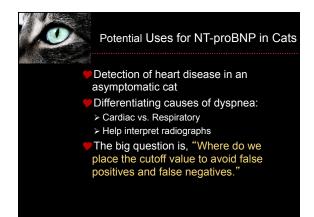


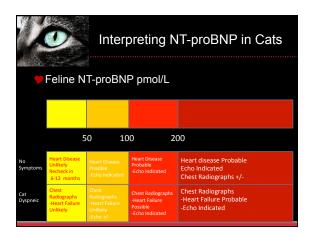




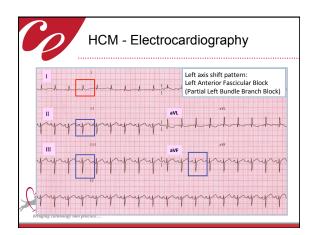




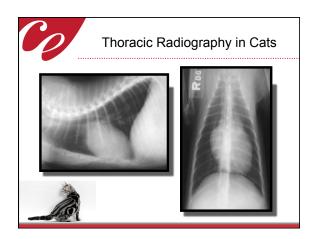




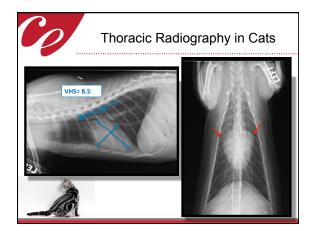
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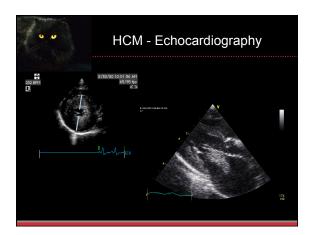




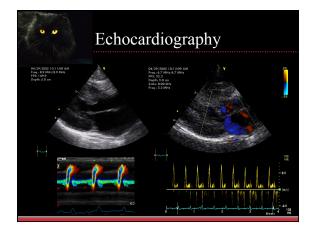


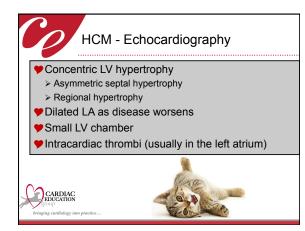


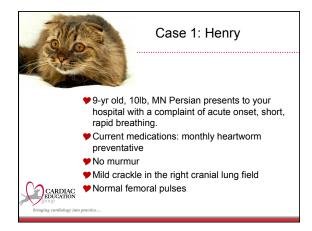


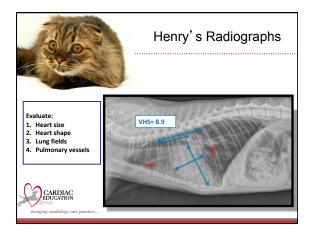


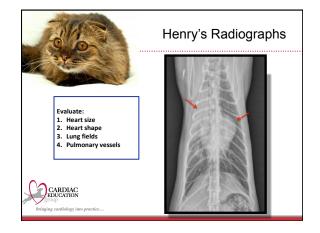












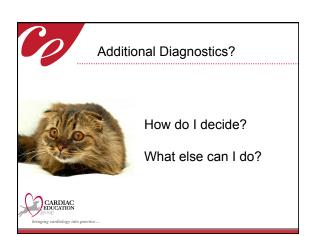


Henry: Radiographs

Radiographic diagnosis:

- > Moderate enlargement of the left atrium suspected.
- > Distended and indistinct pulmonary veins/vasculature.
- \succ There is an alveolar pattern in the right cranial lung field.
- \succ Rule outs include pneumonia or congestive heart failure.

CARDIAC



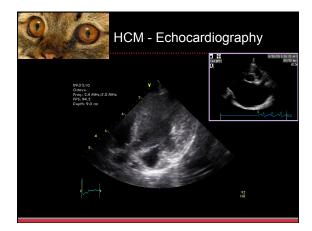
0	Perform an NT-proBNP?			
•	♥260 pmol/L (Positive on the SNAP)			
	5	0 10	0 20	00
No Symptoms	Heart Disease Unlikely Recheck in 6-12 months	Heart Disease Possible -Echo Indicated	Heart Disease Probable -Echo Indicated	Heart disease Probable Echo Indicated Chest Radiographs +/-
Cat Dyspneic	Chest Radiographs -Heart Failure Unlikely	Chest Radiographs -Heart Failure Unlikely -Echo +/-	Chest Radiographs -Heart Failure Possible -Echo Indicated	Chest Radiographs -Heart Failure Probable -Echo Indicated

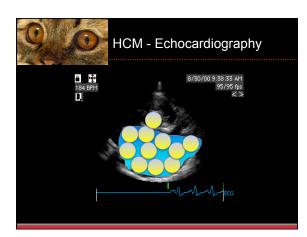
















Henry's Diagnosis!

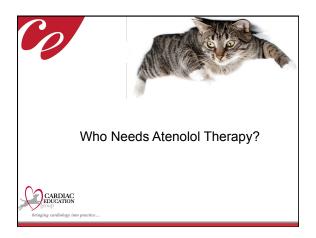
Hypertrophic Cardiomyopathy Congestive Heart Failure No Outflow Obstruction

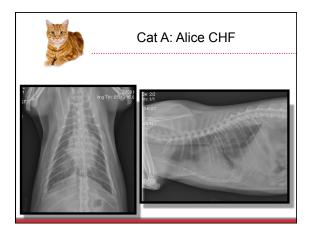
Recommended Medications:

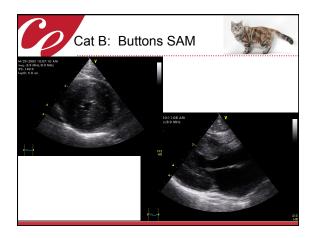
Lasix (~2mg/kg/day)

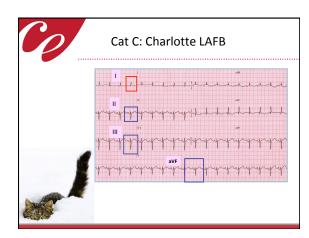
ACE Inhibitor (Benazepril 0.5mg/kg BID)

Secondary Treatments: Consider Aspirin or Plavix to prevent thrombis formation, For refractory pulmonary edema or pleural effusion: *S*pironolactone 2mg/kg q 24hrs or possibly Vetmedin (Pimobendan 0.25mg/kg BID)

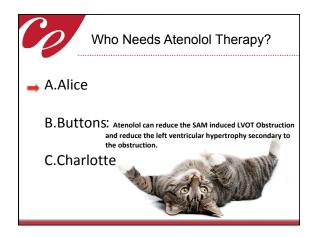












	Questio	ons?
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• 		
,		174 HR
CARDIAC		