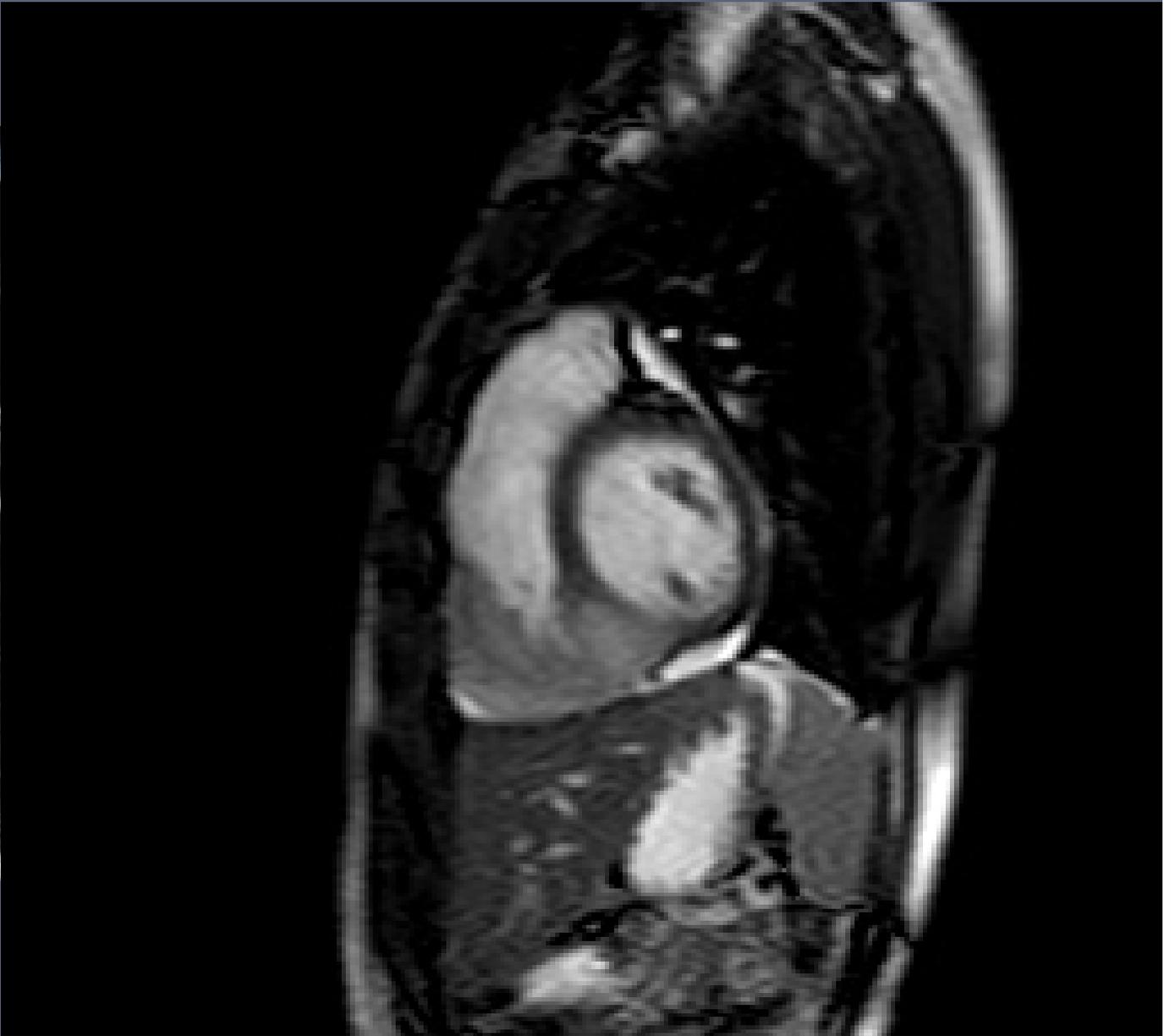
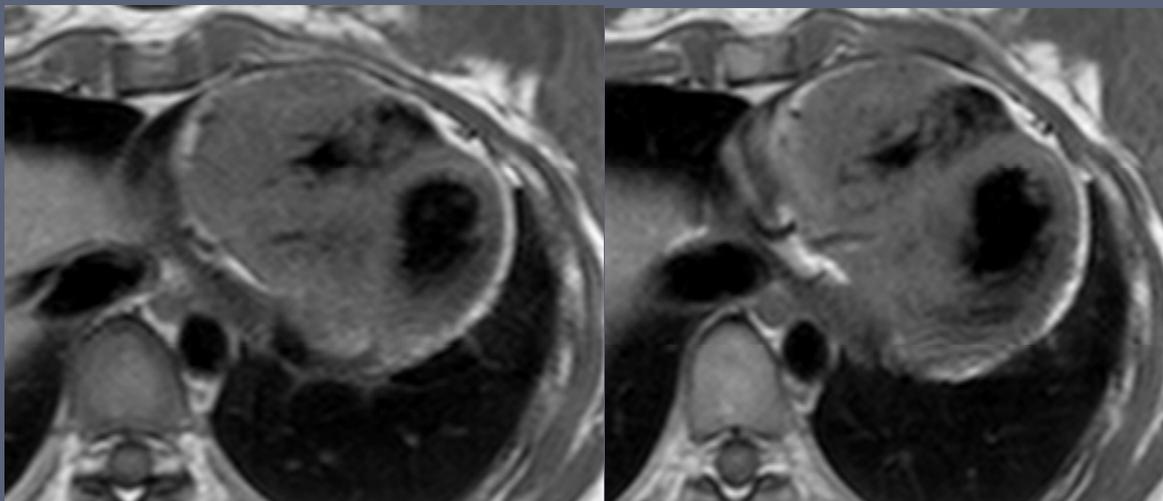


Case 1: 22yr / F

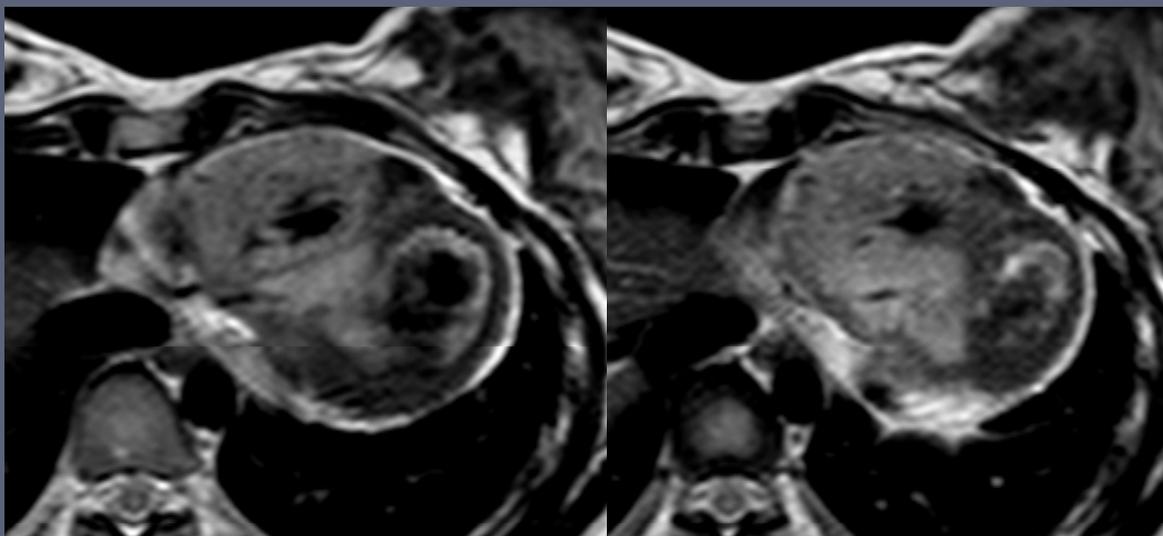
- C.C. : Chest pain for 5 years
- Anterior, mid-chest area
- Aggravated by exercise, improved by resting
- Dizziness (+), Palpitation (+)



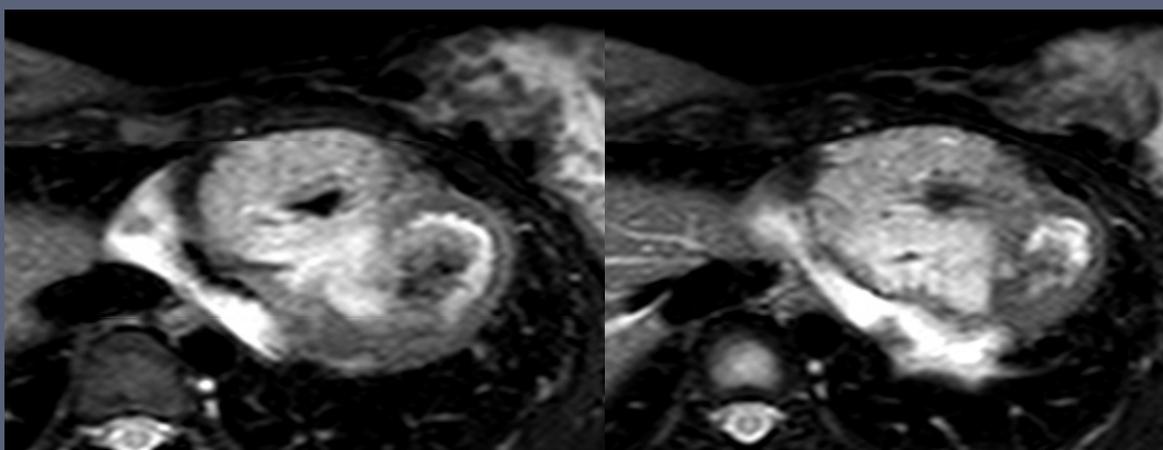
T1-axial



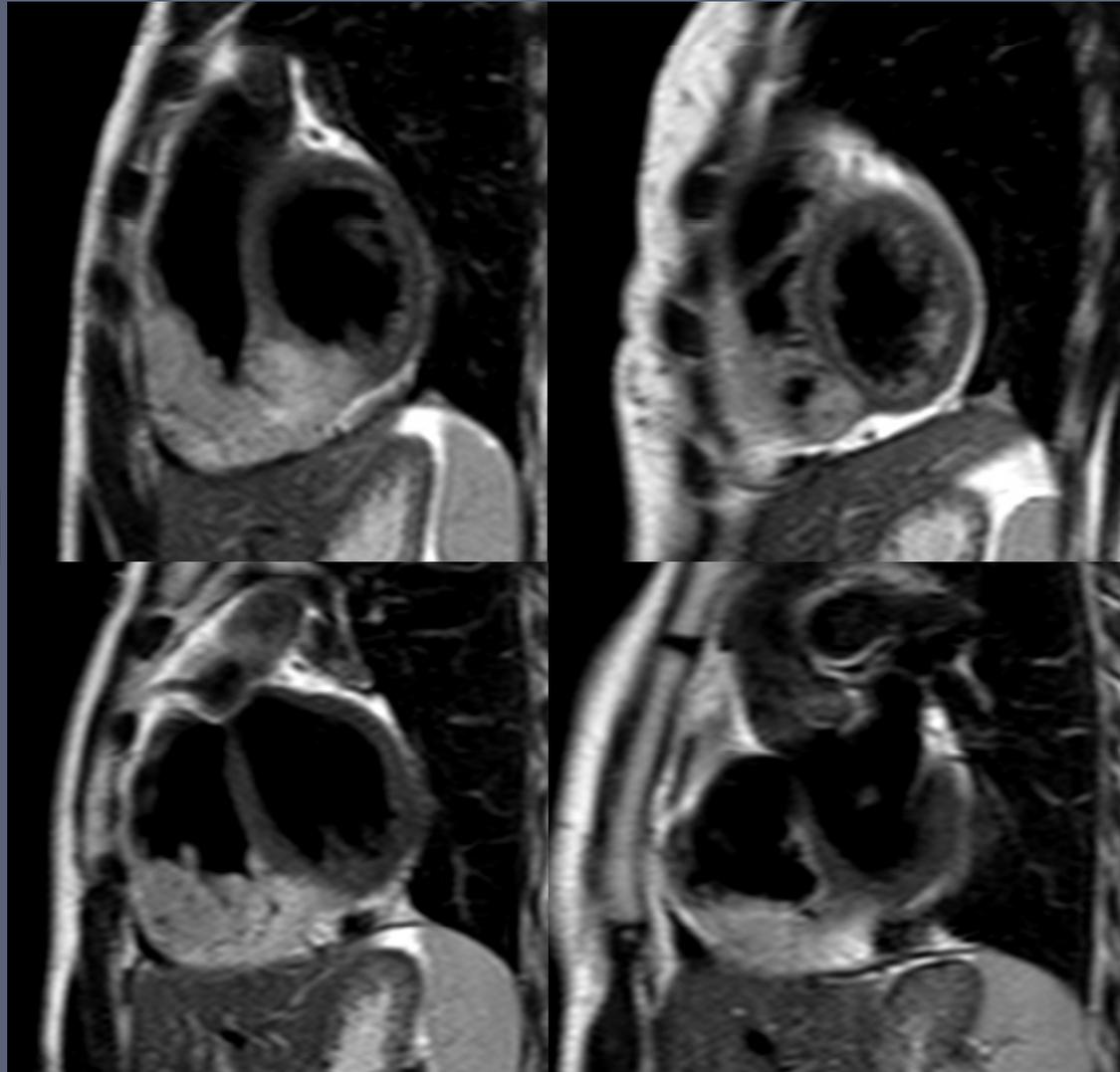
T2-axial



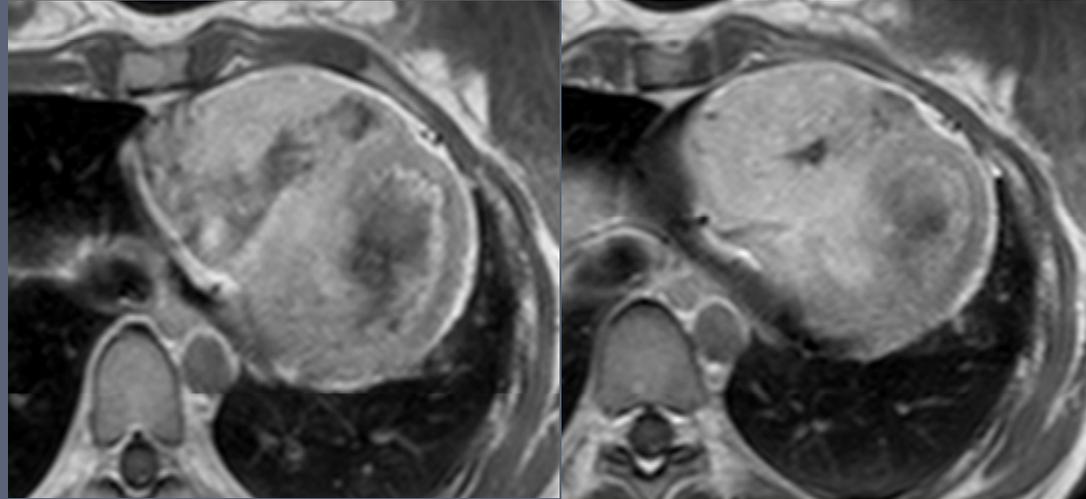
STIR-axial



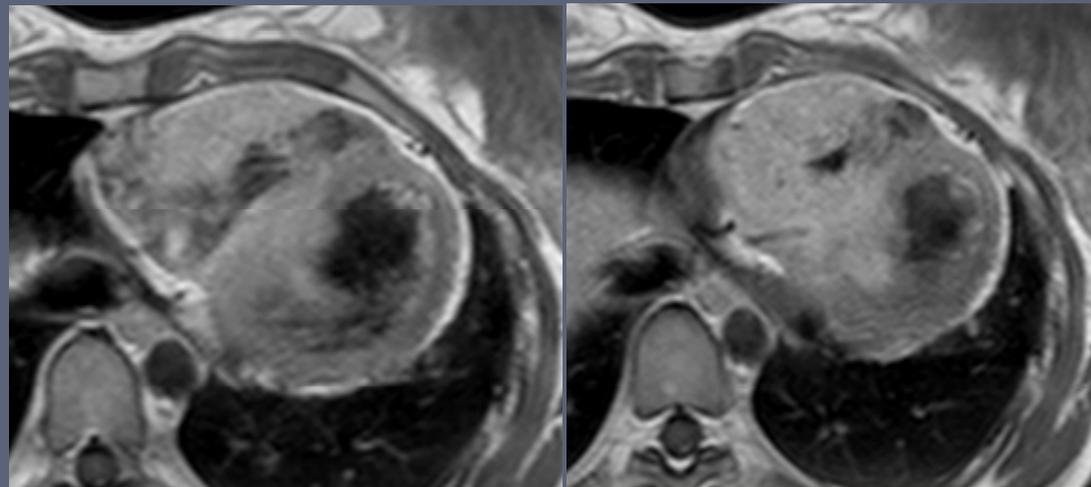
T2-SA



T1-Gd(+)

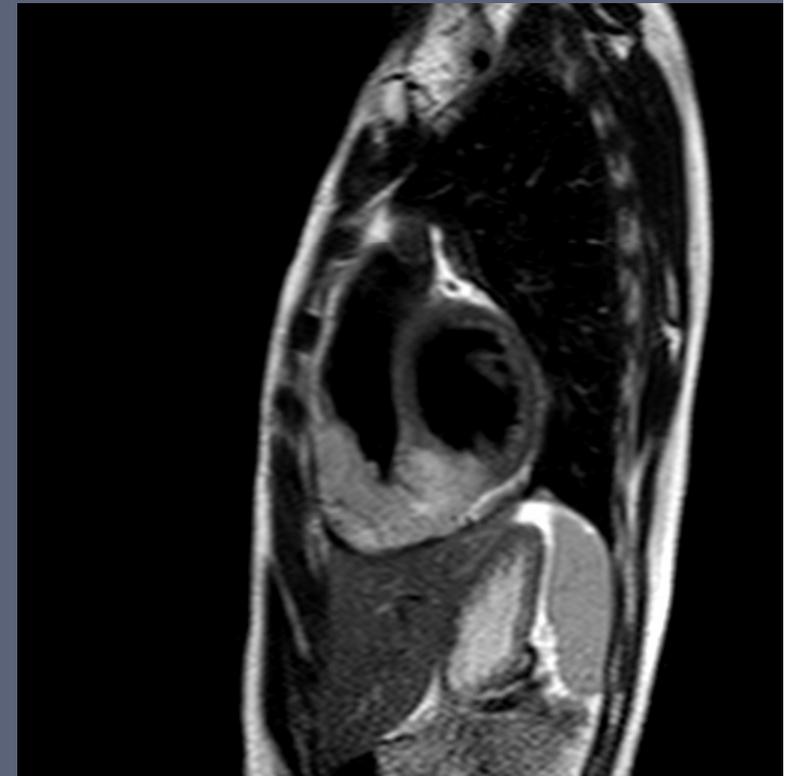


T1-Gd(+)-
10min

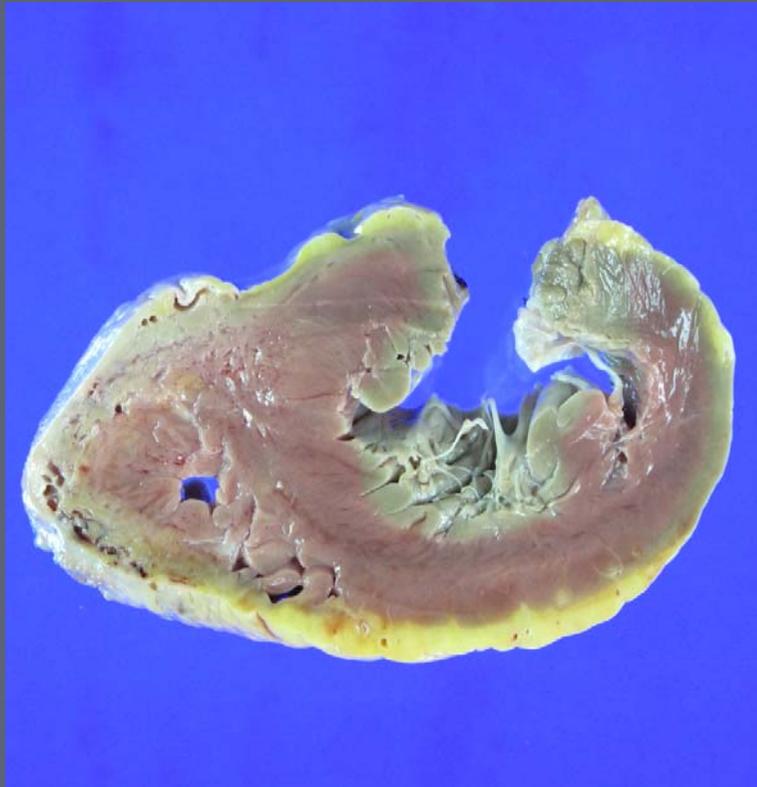


Differential Diagnosis?

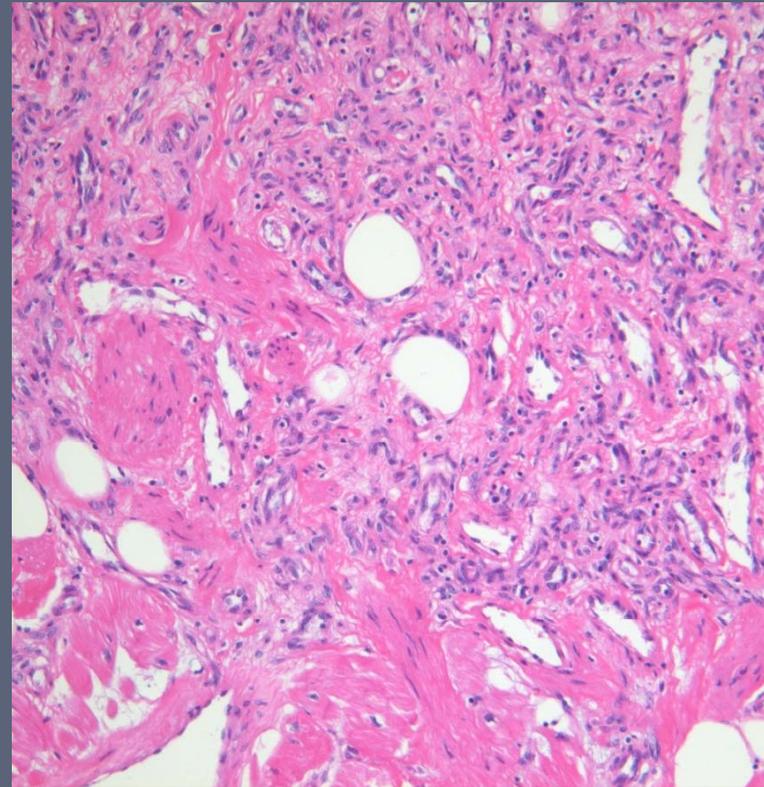
- What do you have in your mind?
 1. Hypertrophic cardiomyopathy
 2. Lymphoma
 3. Hemangioma
 4. Rhabdomyoma
 5. Myocarditis



Cardiac transplantation



- Gross specimen: Ill-defined Mass with microcystic changes in RV wall. 7 cm in greatest dimension



- Microscopy : Capillary proliferation intervening between the myocardial structures with lipomatous fatty infiltration and myocardial disarray

Diagnosis

Capillary hemangioma

- CT:
 - Calcification within the tumor
- MRI:
 - High SI on T2,
 - heterogeneous strong enhancement after Gd

Capillary hemangioma

- 5-10% of benign tumor
- Any location of the heart
- At any age
- Shape
 - In myocardium:
ill-defined, sponge-like
 - In endocardium:
well-defined, myxoid
- Chance of spontaneous regression