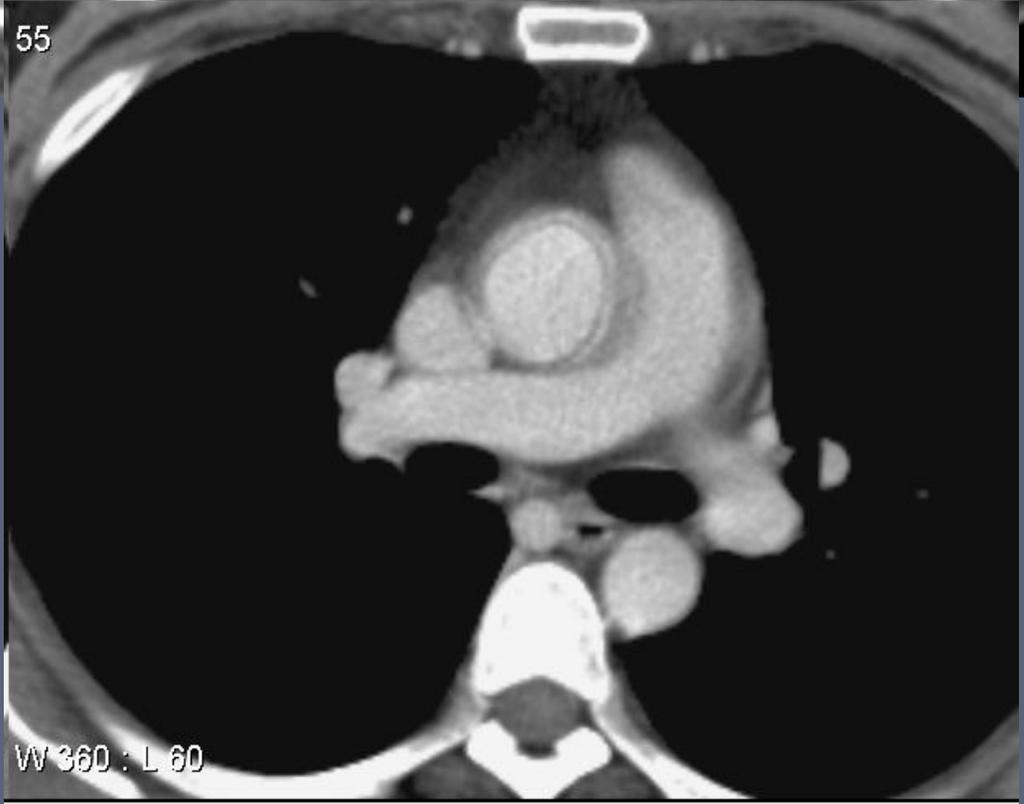
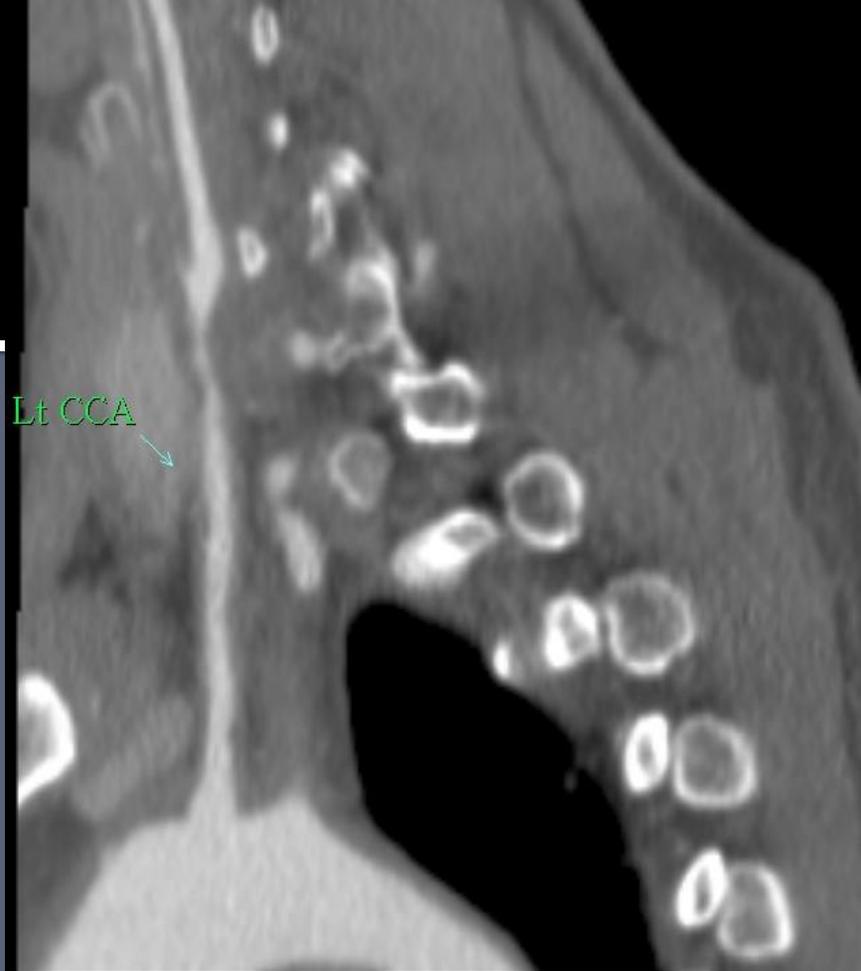
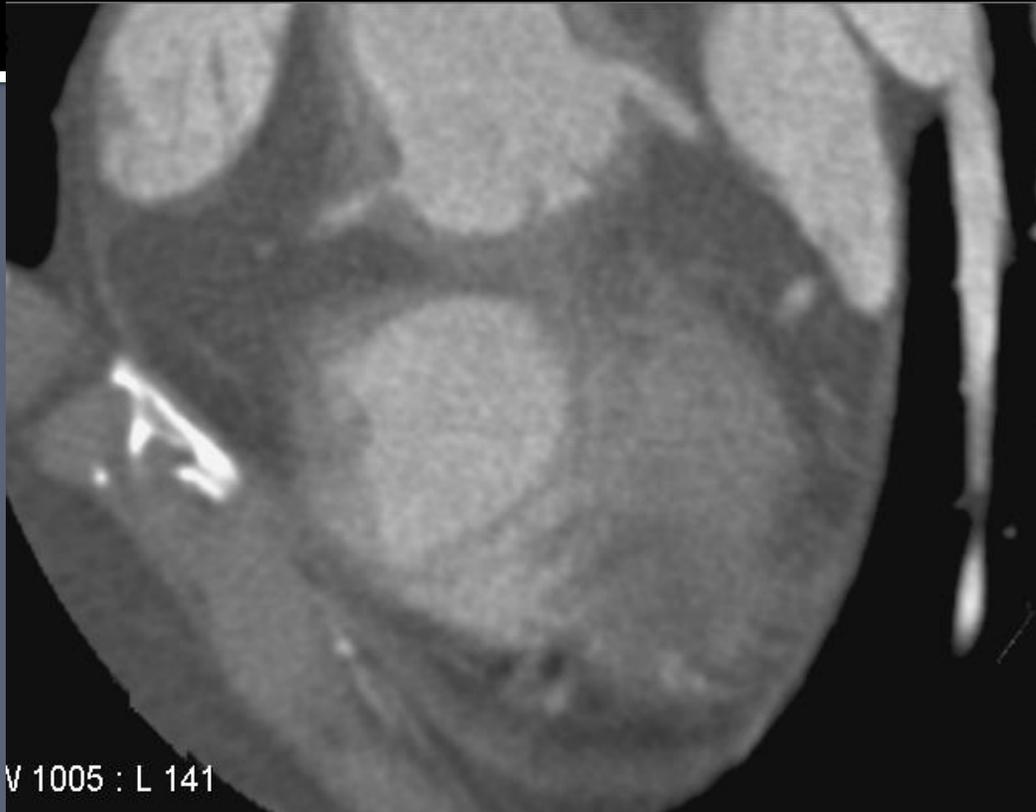


# Case 4-2: 49yr / M

- C.C: Dyspnea for 3 years

Non-palpable left radial arterial pulse







# Radiological Findings

Takayasu's arteritis involving

1. Ascending aorta
2. Os of both coronary artery
3. Both CCA
4. Left subclavain artery
5. Os of both vertebral artery
6. Pulmonary artery.

# IVUS

- **RCA : Ostial negative remodeling**

  - Echogenic fibrous medial thickening (no atheroma)**

  - Diameter stenosis: 60-70%**

  - Calcification (-)**

- **LM : Ostial negative remodeling**

  - Echogenic fibrous medial thickening (no atheroma)**

  - Diameter stenosis 25%**

  - Intimal calcification (+)**

# Takayasu's Arteritis

*Radiographics, 1997;17:579-594*

- A primary arteritis of unknown origin
- Aorta & its major branches, & pulmonary artery
- Incidence: 2-3 cases per year per million
- Young women (M:F=1:10)
- Pathology: Panarteritis
  - Inflammatory mononuclear cell infiltration
  - Marked intimal proliferation and fibrosis
  - Media scarring & vascularization
- Luminal narrowing w/wo thrombosis

# Takayasu's Arteritis

## *Systemic or pre-pulseless phase*

- Mural thickening
- CM enhancement : Double ring pattern  
(Lower inner & higher outer rings )
- Response to steroid therapy

# Takayasu's Arteritis

*Radiographics, 1997;17:579-594*

## Late or occlusive phase

- Stenosis, occlusion, mural calcification, intraluminal thrombus, or aneurysmal dilatation
- Types by involvement

