Ground Glass Lesions

- Fibrous Dysplasia
- Chronic Sclerosing Osteomyelitis
- Osteitis Deformans (early phases)
- Hyperparathyroidism
- Osteopetrosis

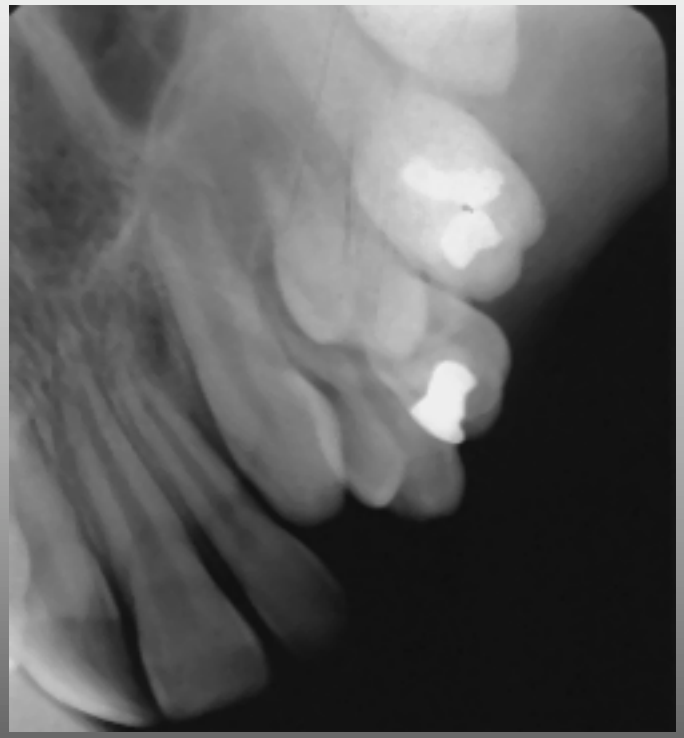
Fibrous Dysplasia

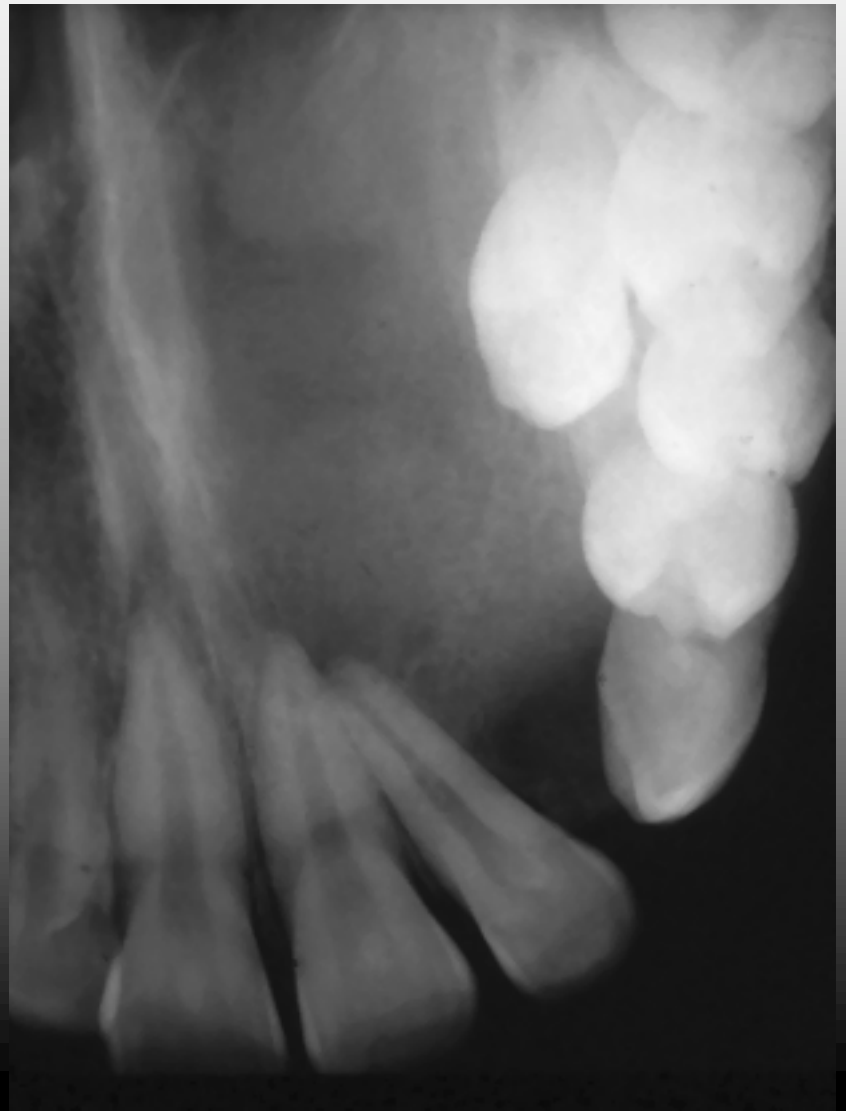
- Childhood Onset
- Growth cessation at Puberty
- Expansile, Nondemarcated
- Bone panel is normal
- Cosmetic Osseous Contouring
- Monostotic or Polyostotic

Fibrous Dysplasia

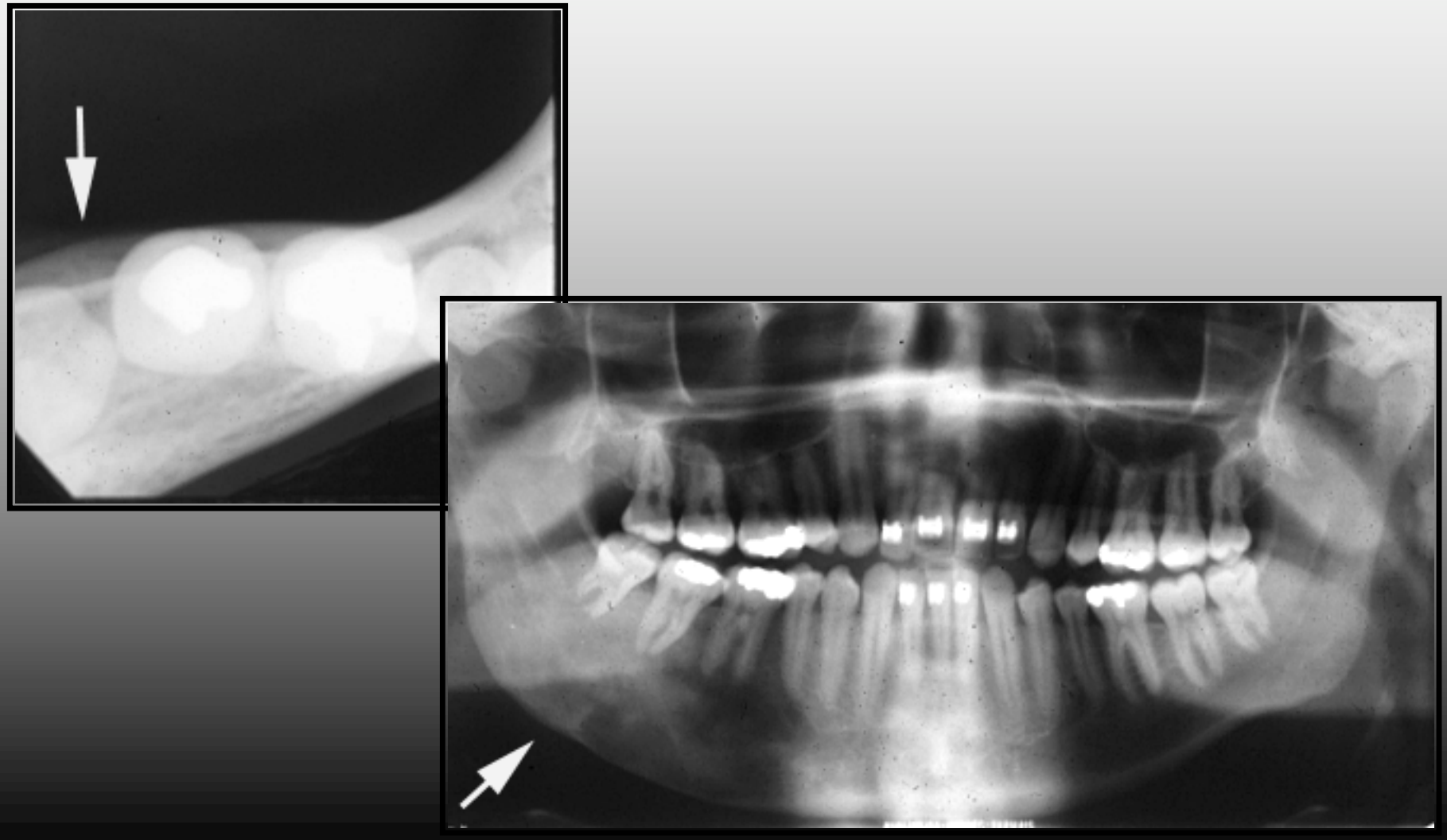
- Monostotic
- Polyostotic
- McCune-Albright
  - Polyostotic
  - Endocrinopathies
  - Café au Lait Pigmentation
  - Mutation with Lyonization

Fibrous Dysplasia

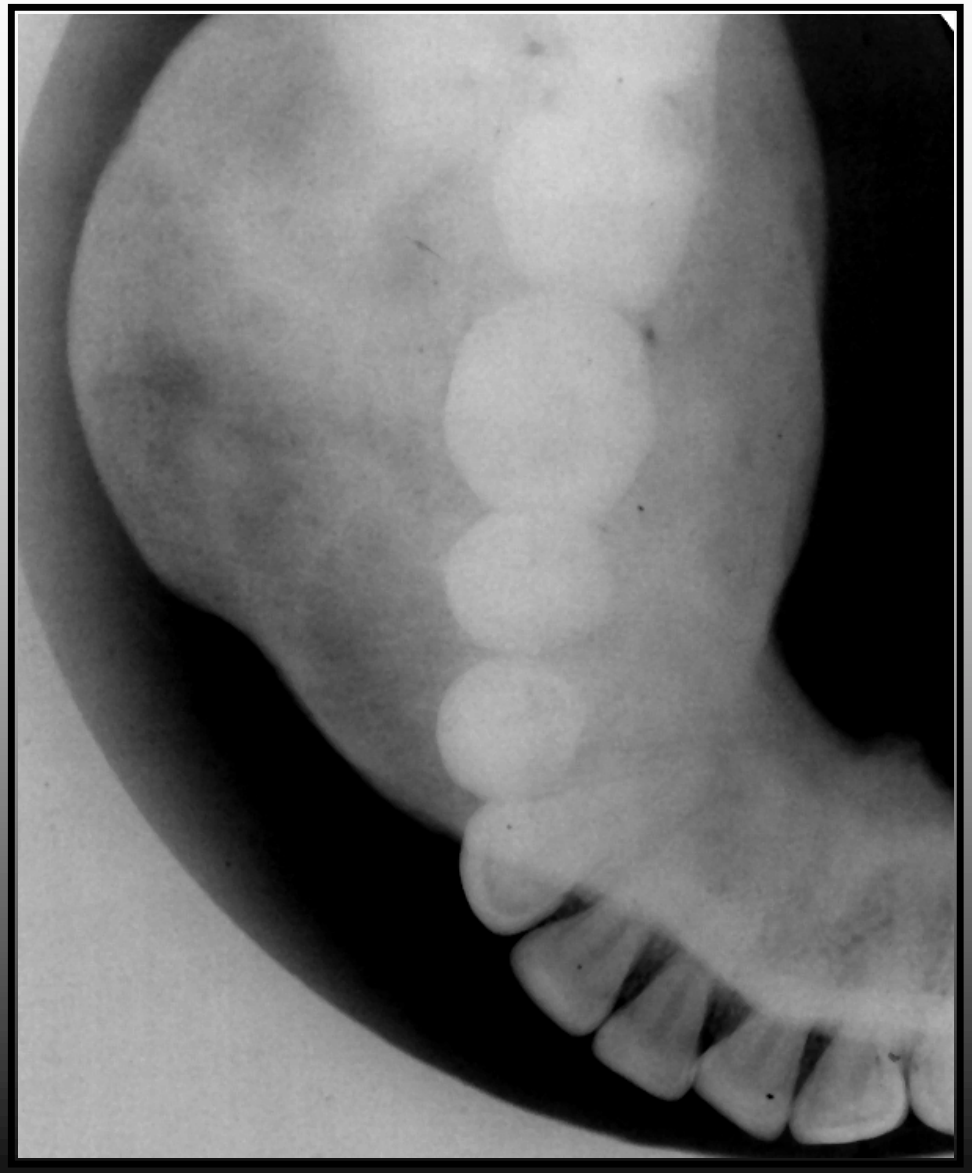




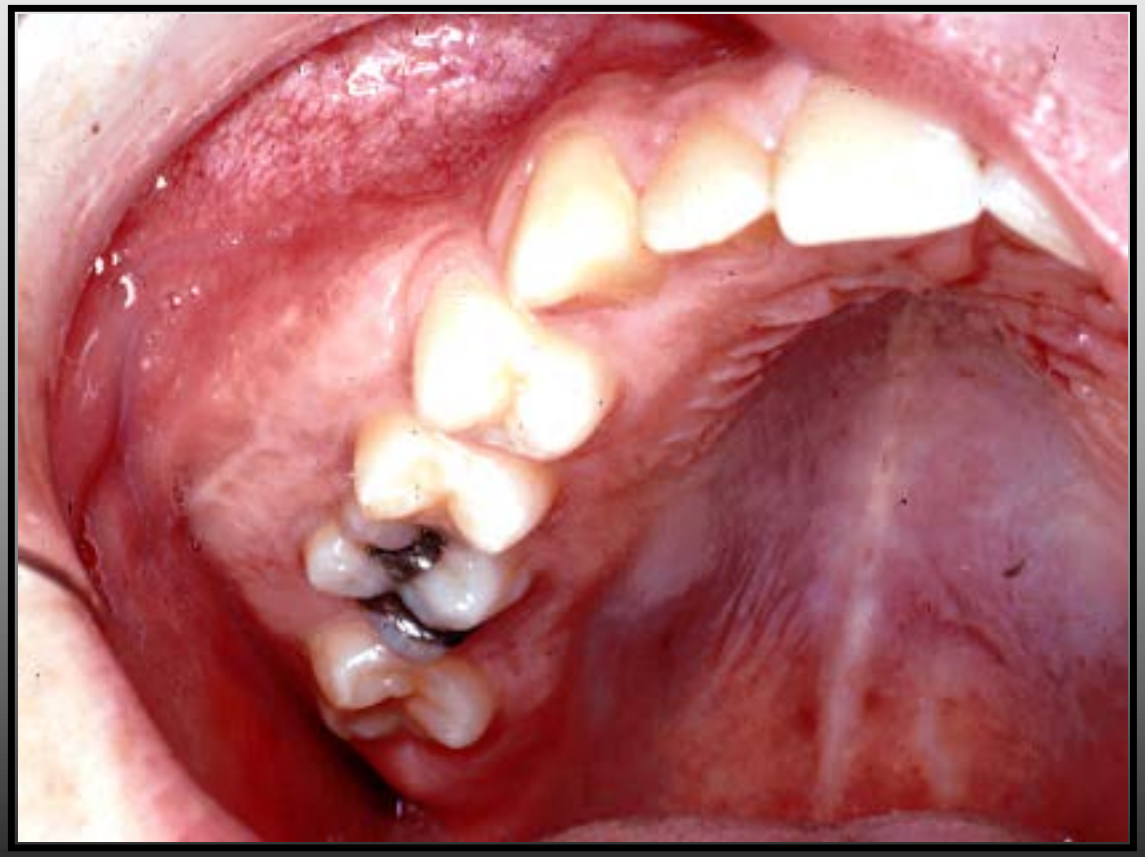
Fibrous Dysplasia



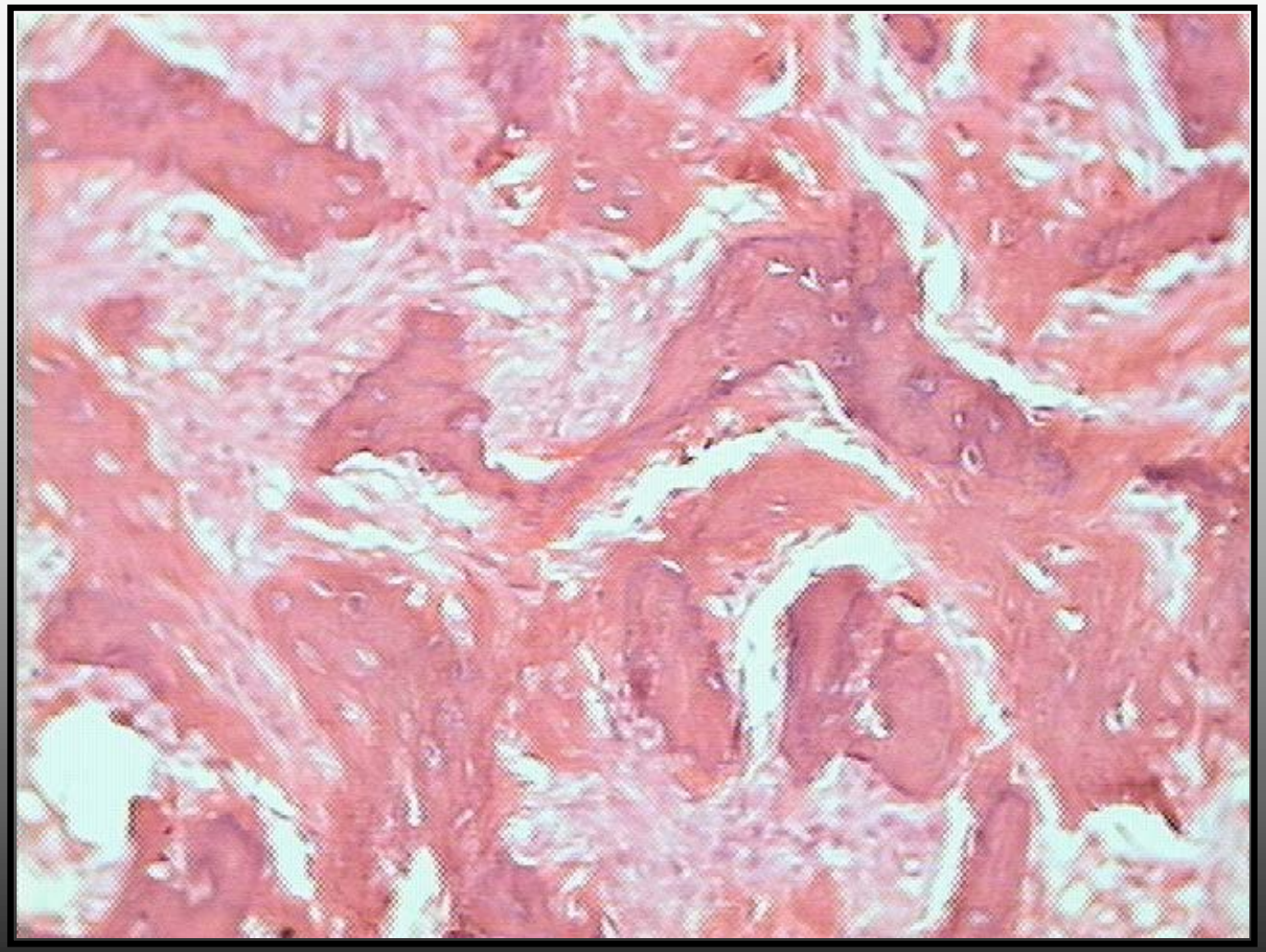
FD - diffuse margins



Fibrous Dysplasia



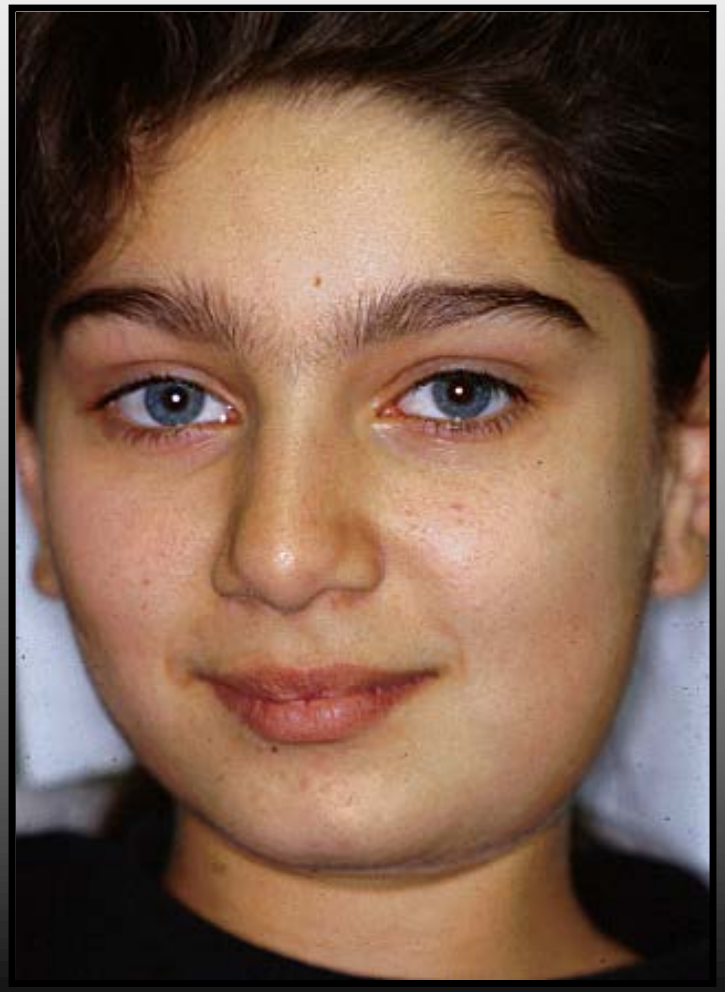
Fibrous Dysplasia

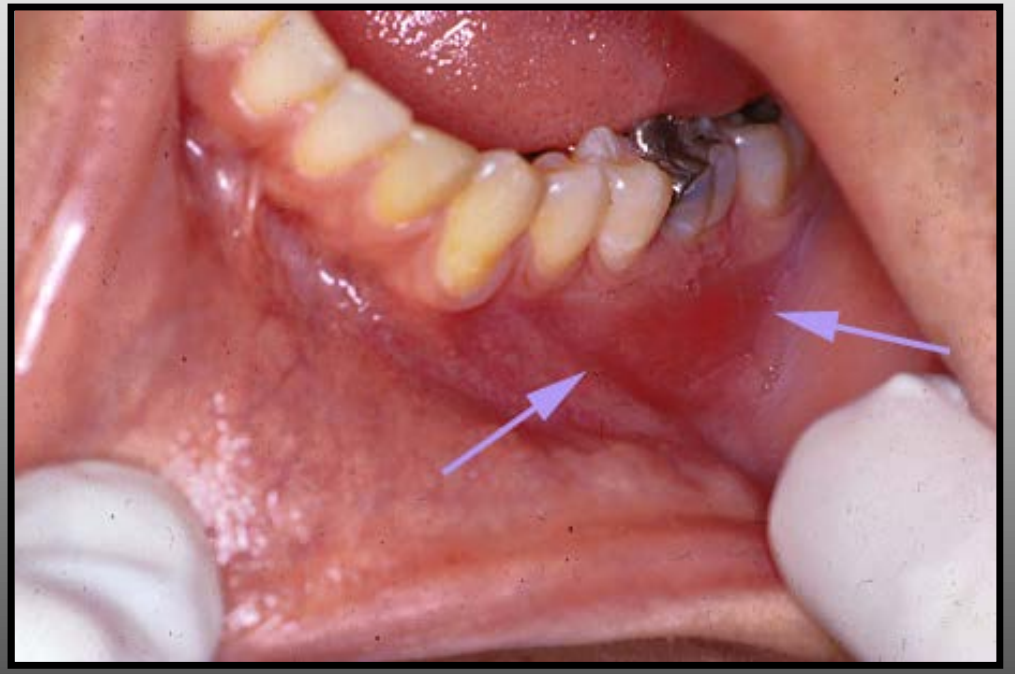


Chronic Sclerosing Osteomyelitis

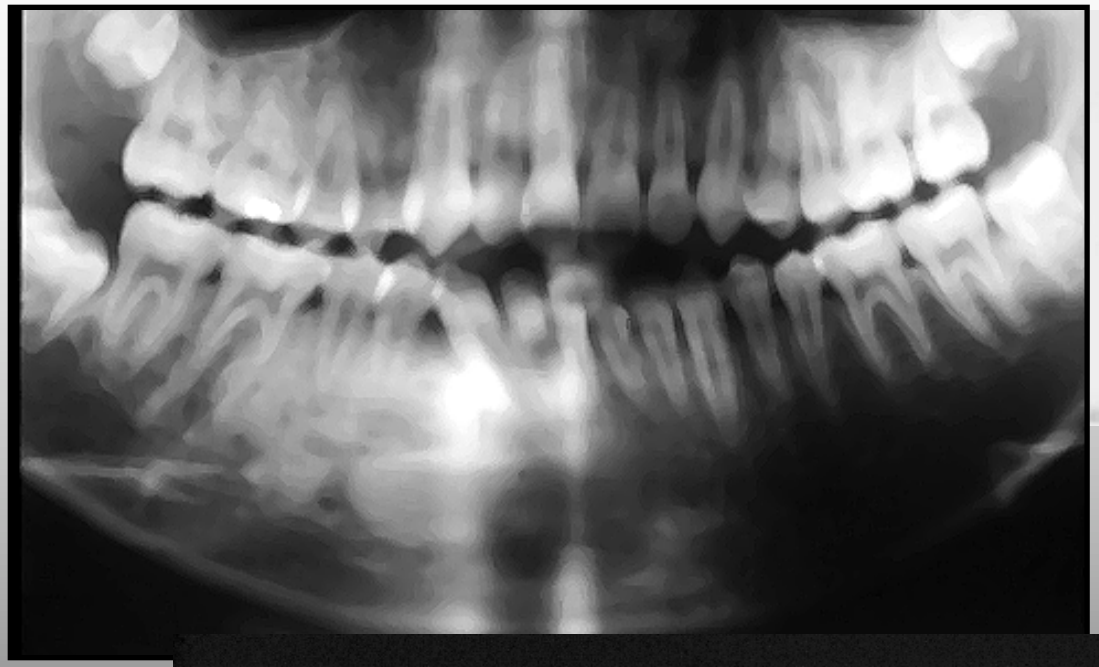
- Childhood onset
- Bacterial infection
  - anaerobic
- ? Source – odontogenic
- Poorly marginated
- Episodic Pain
- Culture/Sensitivity

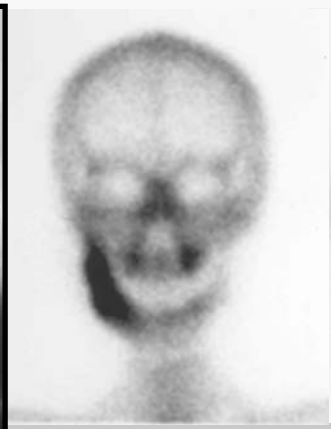
Chronic Sclerosing Osteomyelitis

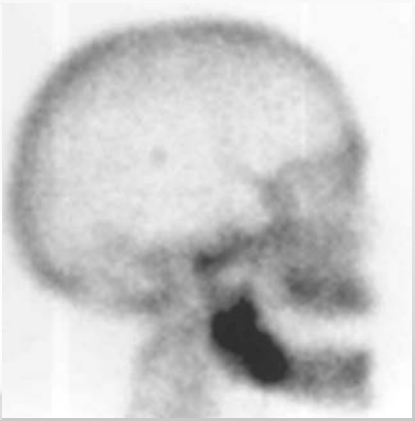


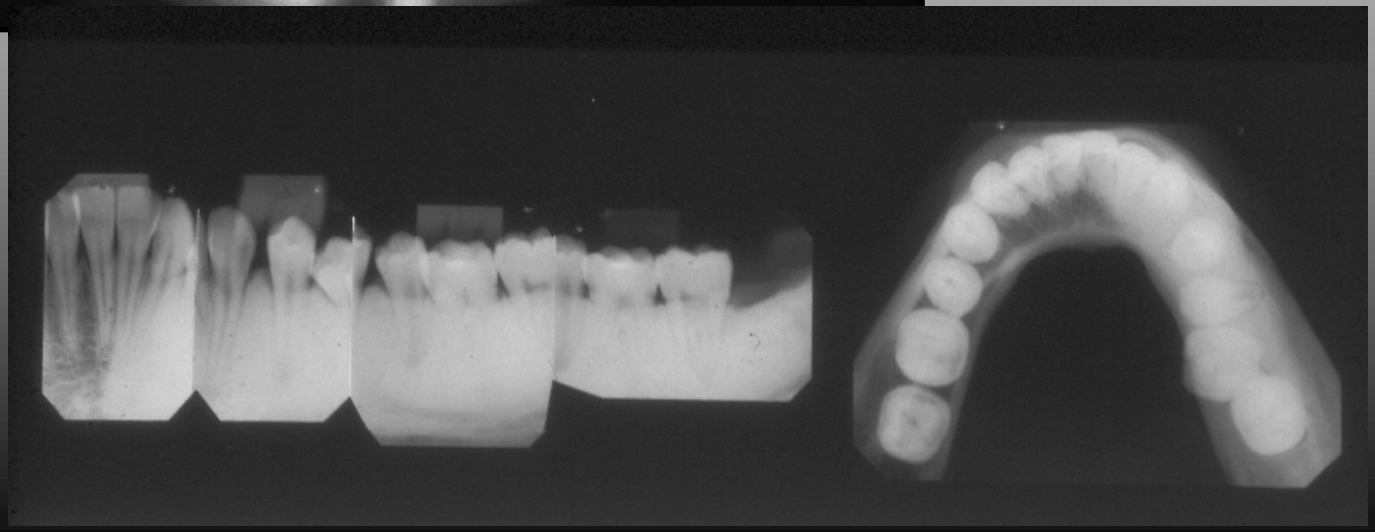


Chronic Sclerosing Osteomyelitis





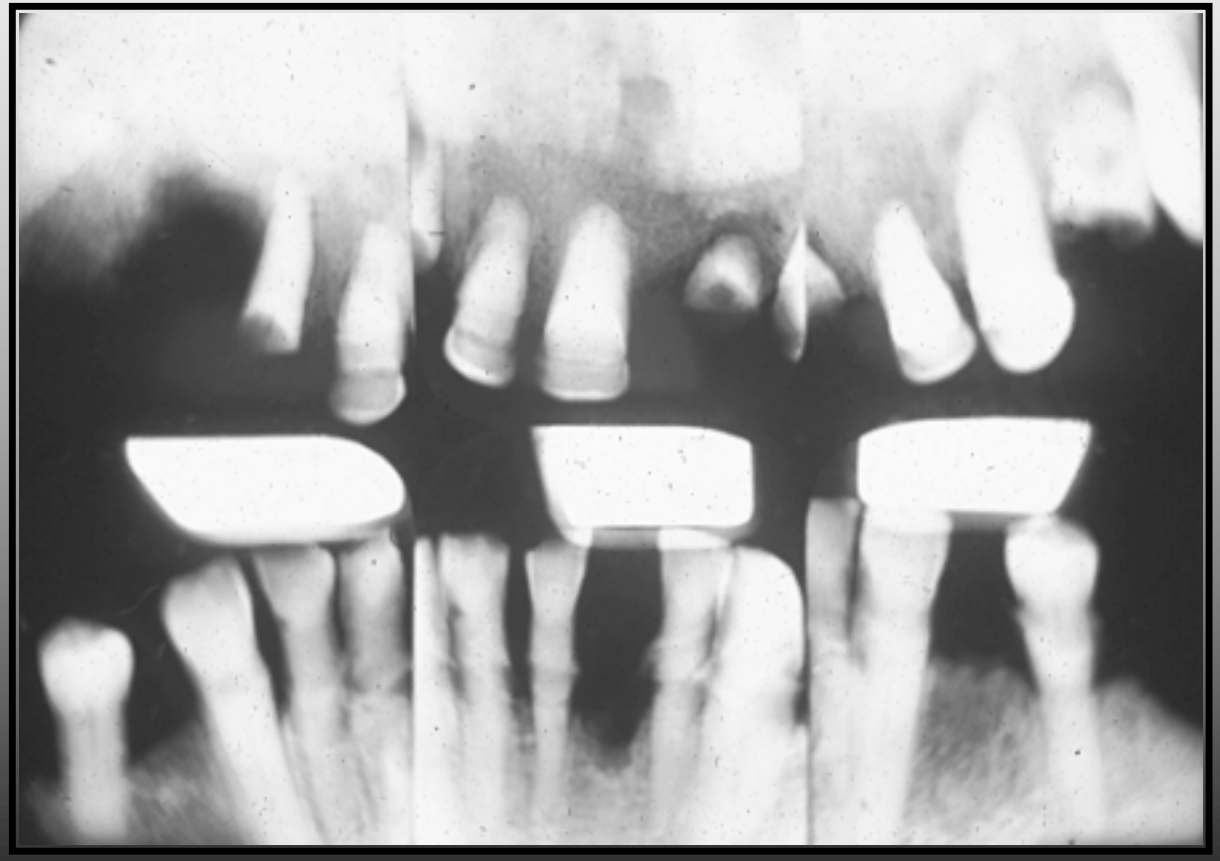




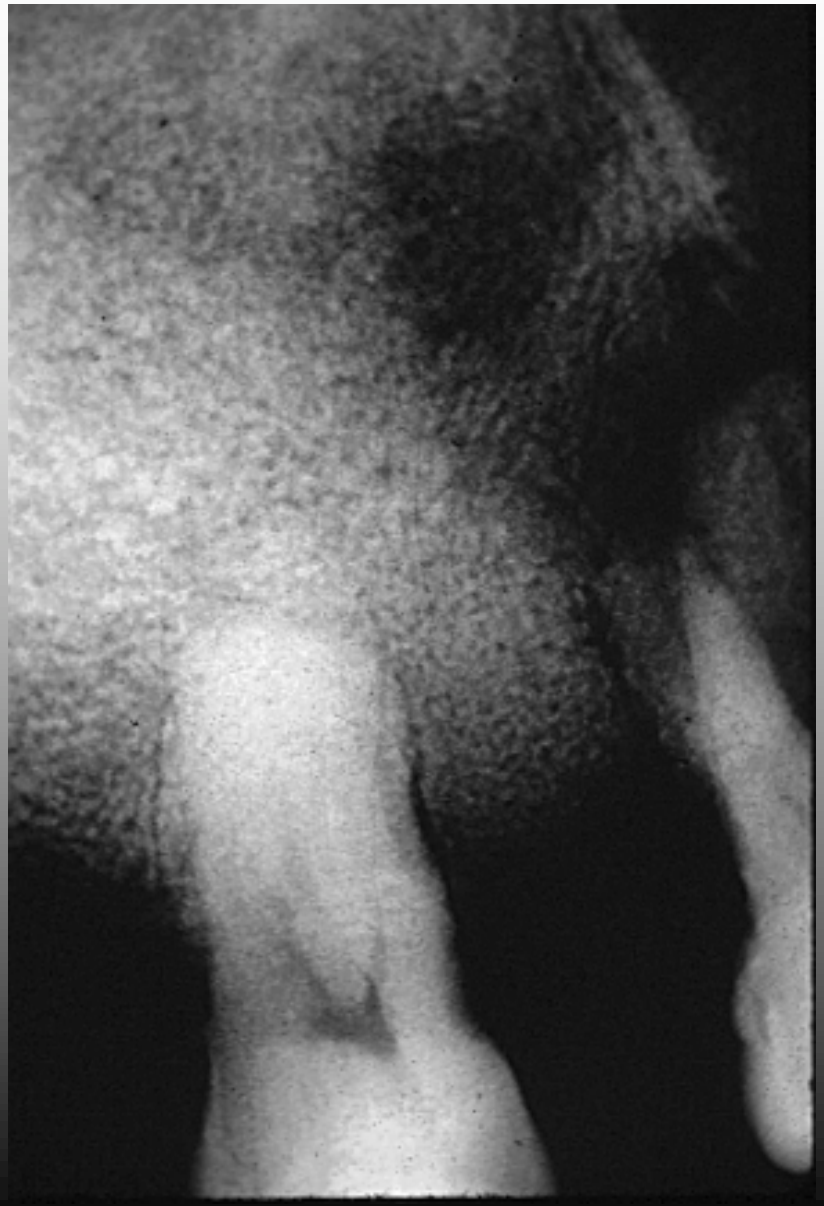
Osteitis Deformans (Paget's)

- Elderly
- Polyostotic Lesions
- Progressive Opacification
- Cranial Nerve Deficits
- Alkaline Phosphatase
- Normal Calcium
- Giant Cell Tumors
- Sarcomas

Osteitis Deformans

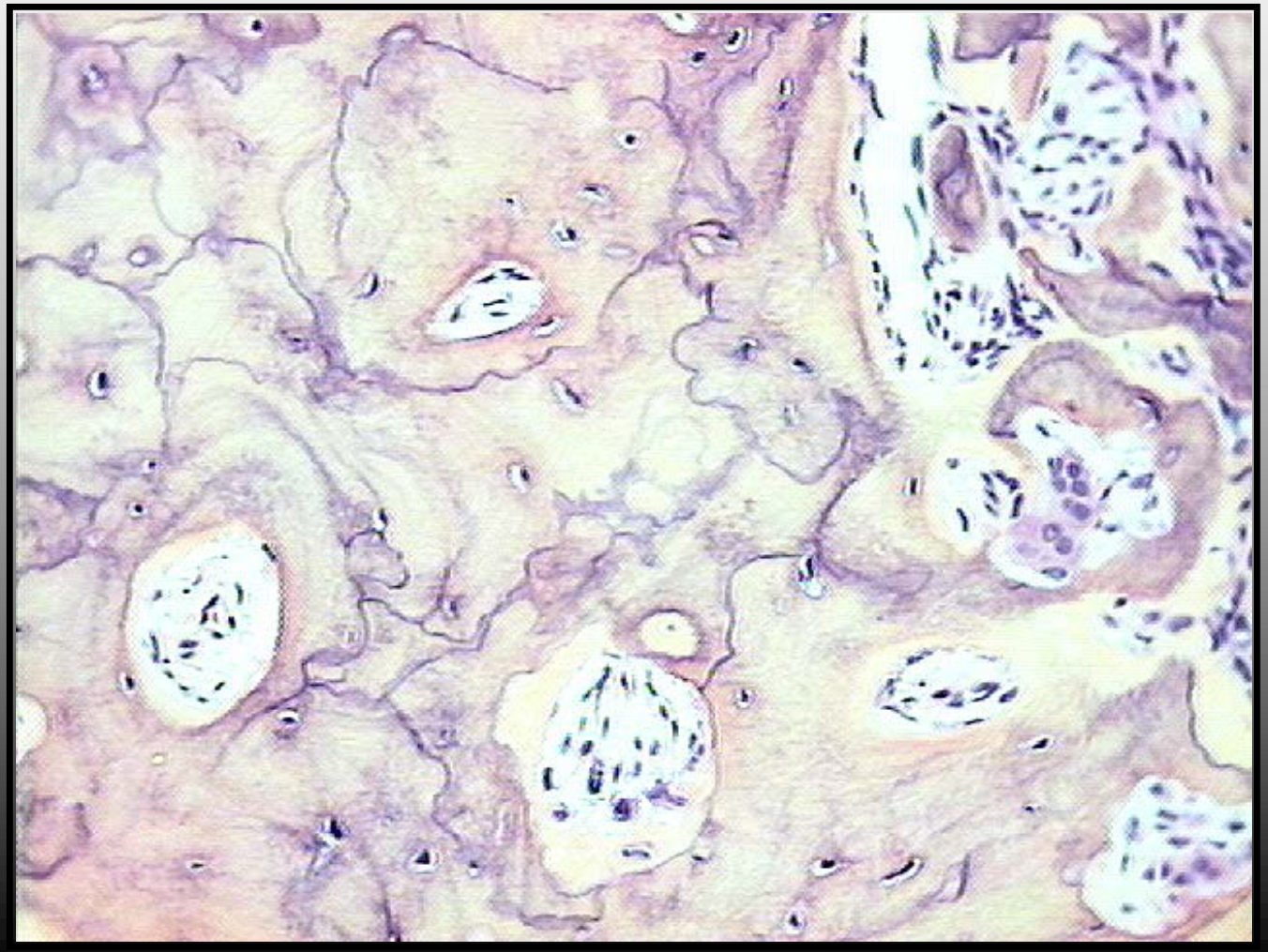


Osteitis Deformans



Osteitis Deformans

- Mosaic Bone

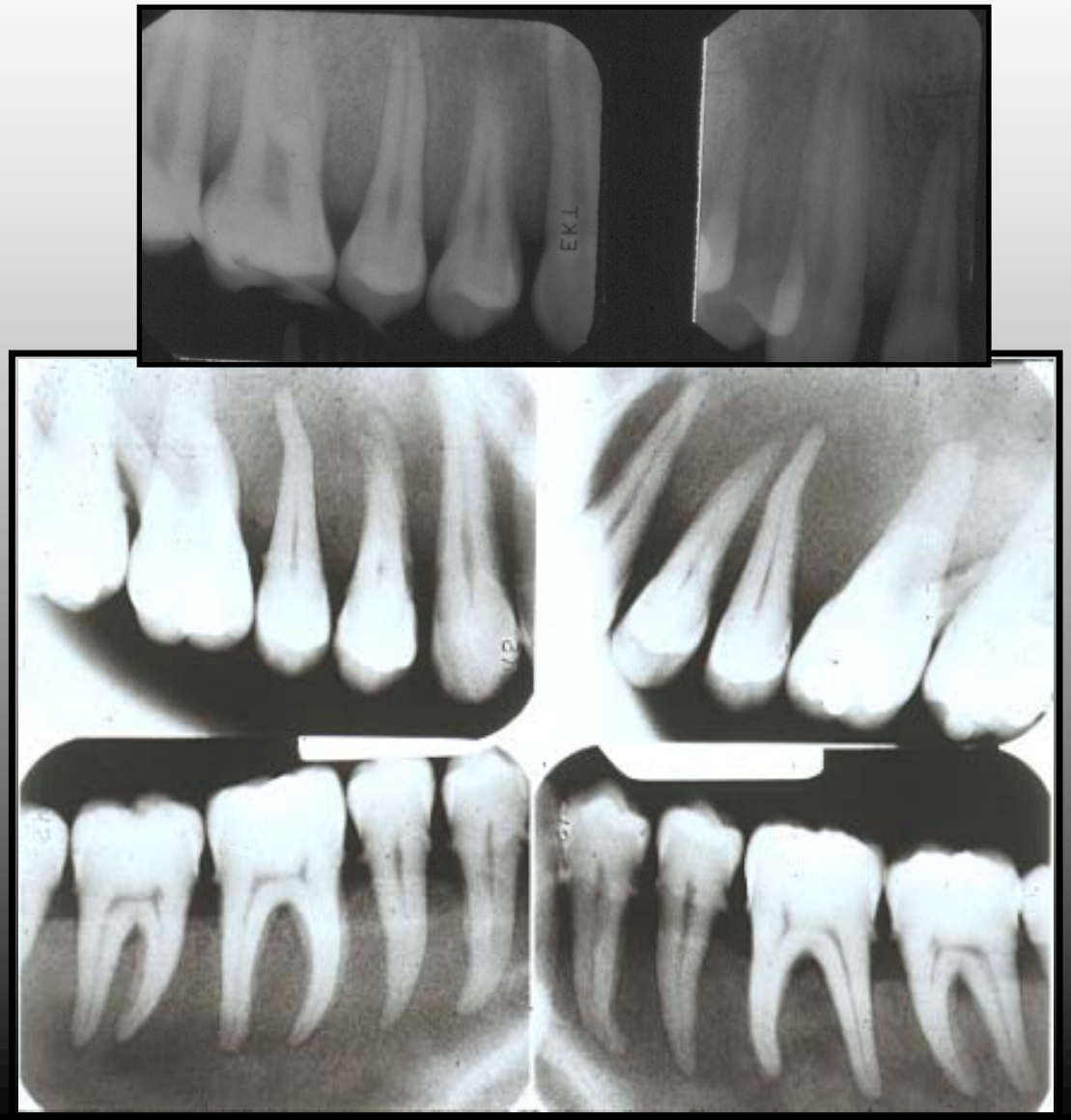


Hyperparathyroidism

- Primary Parathyroid Adenoma
- Secondary to Renal Disease
- Diffuse, Poorly Marginated
- Loss of Lamina Dura
- Hypercalcemia, Calciuria
- Brown Tumors
- Urolithiasis

Hyperparathyroidism

Renal Osteodystrophy



Osteopetrosis (Marble Bone)

Albers-Shonberg Disease

A diverse group of diseases genotypically with a common Phenotype

Defective osteoclastic resorption

Inherited as automsomal dominant or recessive

Mutations in Carbonic anhydrase II, subunit of vacuolar protein pump of the brush border, cathepsin K (Pycnodysostosis)

Diffuse ground glass opacification that may obscure the Image of teeth radiographically

Myelophthisic anemia with thrombocytopenia

Osteopetrosis