

# Ameloblastoma

- Best diagnostic clue: "Bubbly", multilocular, mixed cystic-solid mass in posterior mandibular ramus associated with unerupted 3rd molar tooth
- Mandible: Usually centered in 3rd molar, mandibular ramus region
- Maxilla: Usually centered in premolar - 1st molar region
- Most common odontogenic tumor (35%)
- Often enhancing nodule.

# Ameloblastoma

- Locally invasive benign neoplasm, arising from central mandibular or maxillary odontogenic epithelium
- Best diagnostic clue: "Bubbly", multilocular, mixed cystic-solid mass in posterior mandibular ramus associated with unerupted 3rd molar tooth
- Mandible: Usually centered in 3rd molar, mandibular ramus region
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# Ameloblastoma - Ddx

- Root periapical abscess
- Dentigerous cyst
- Odontogenic keratocyst
- Fibrous dysplasia
- Aneurysmal bone cyst

# Ameloblastoma

- Hard, painless mandibular mass
- Slow growing, sometimes indolent, benign neoplasm
- Complete surgical excision when small
- Larger dentigerous cyst & odontogenic keratocyst most difficult to differentiate from ameloblastoma
  - Key is absence of nodular enhancement in these 2 lesions compared to ameloblastoma

# Ameloblastoma

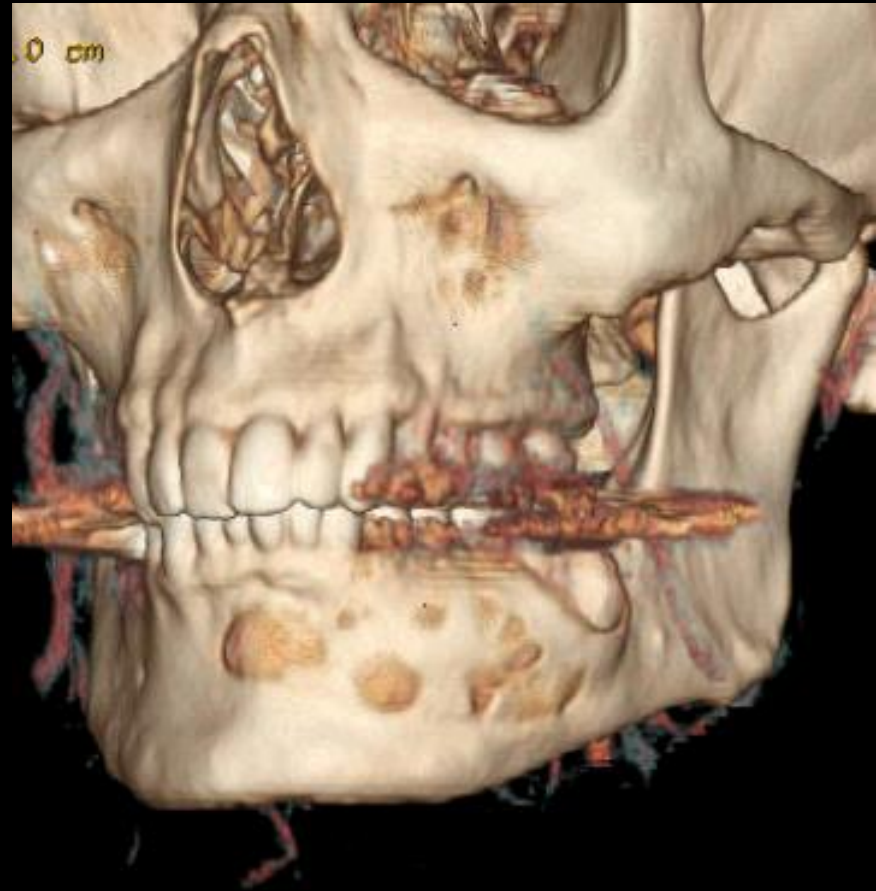








- contrast





# DDX:

- **Root periapical abscess**
  - Clinically painful
  - Larger lesions are destructive, not expansile
- **Dentigerous cyst**
  - Unilocular cystic lesion surrounding tooth CROWN
  - No enhancing mural nodule
  - Unilocular & smaller multilocular cysts may mimic dentigerous
- **Odontogenic keratocyst**
  - Unilocular or multilocular cystic lesion usually of mandible associated with UNERUPTED tooth
  - Smaller, unilocular lesions indistinguishable from dentigerous cyst
  - No enhancing mural nodule
  - Unilocular & smaller multilocular ameloblastoma may mimic odontogenic keratocyst

## DDX:

- **Fibrous dysplasia**
  - "Ground-glass" matrix distinctive
  - When cystic, usually some matrix calcification
- **Aneurysmal bone cyst**
  - Children more common than adults
  - Large, round, multilocular mass with fluid-fluid levels
  - No enhancing mural nodule.