

Fibrous Dysplasia
Eosinophilic granuloma
 Enchondroma
Giant Cell Tumor

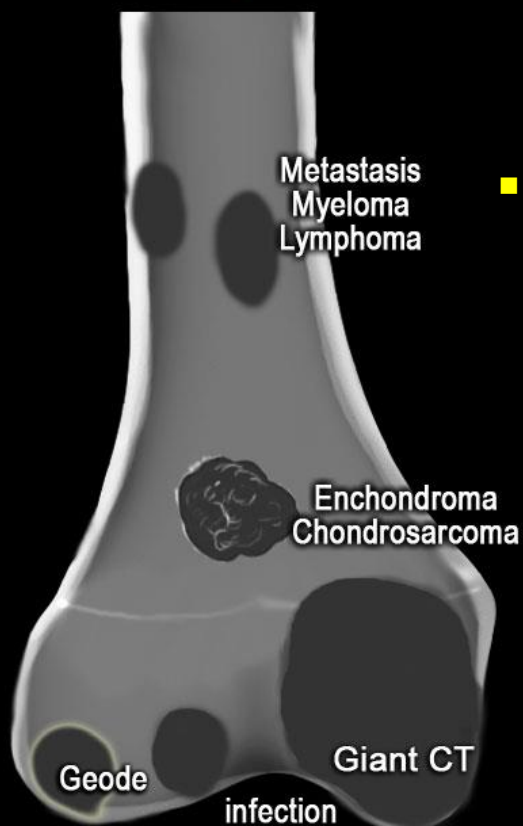
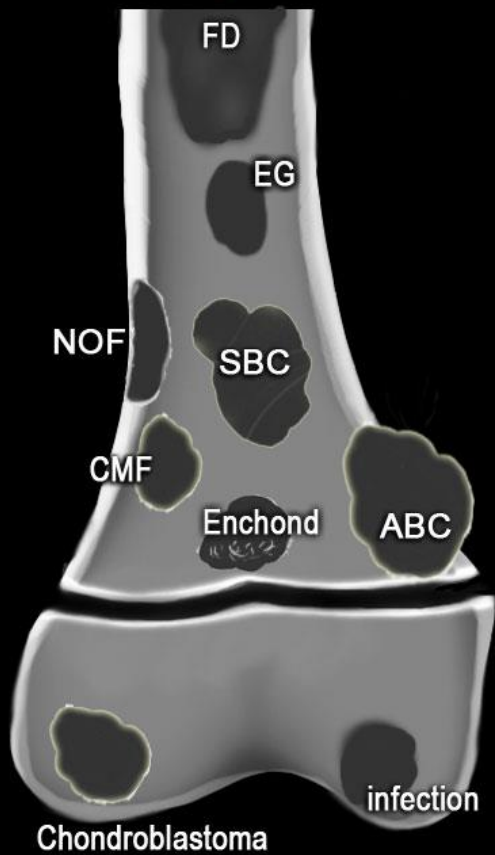
NOF
Osteoblastoma
Metastasis Myeloma
ABC
SBC
Hyperparathyroidism
Infection
Chondroblastoma
 CMF

Any age, no periosteal reaction
 Age under 30
 Calcified matrix (except in phalanges)
 Epiphysis closed, epiphyseal location
 abuts articular surface, nonsclerotic margin
 Age under 30, juxtacortical
 Like ABC, located in spine
 Age over 40
 Age under 30, expansile
 Age under 30, centrally
 Other signs of hyperparathyroidism
 Always included in differential
 No calcified matrix
 Mention when considering NOF

- ABC = Aneurysmal bone cyst
- CMF = Chondromyxoid fibroma
- EG = Eosinophilic Granuloma
- GCT = Giant cell tumor
- FD = Fibrous dysplasia
- HPT = Hyperparathyroidism with Brown tumor
- NOF = Non Ossifying Fibroma
- SBC = Simple Bone Cyst

< 30 years

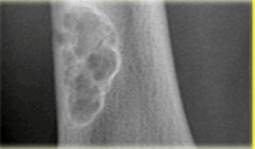
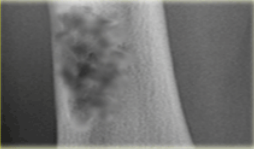
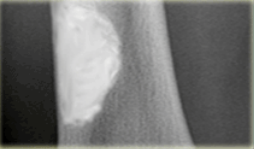
> 30 years



Abbreviations used:

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RS

Age	Well-defined	ill-defined	Sclerotic
			
0 - 10	EG SBC	EG - Ewing Osteosarcoma Leukemia	Osteosarcoma
10 - 20	NOF, Osteoblast Fibr dysplasia EG SBC ABC Chondroblast CMF	Ewing EG Osteosarcoma	Osteosarcoma Fibr dysplasia EG Osteoid osteo Osteoblastoma
20 - 40	Giant CT Enchondroma Chondrosarcoma (low grade) HPT - Brown tumor Osteblastoma	Giant CT	Enchondroma Osteoma Bone island Parosteal Osteosar Healed lesions: - NOF, EG - SBC, ABC - Chondroblast
40+	Metastases Myeloma Geode	Metastases Myeloma Chondrosarcoma (high grade)	Metastases Bone island
All ages	Infection	Infection	Infection

Well-defined Osteolytic

Eccentric

GCT

Centrally

SBC

Must be < 30

EG - ABC - NOF
SBC
Chondroblastoma

Epiphyseal

Chondroblastoma
GCT
Geode, infection



Age > 40

metastasis
myeloma
geode, infection

Exclude if periostitis

Fibrous Dysplasia
NOF, SBC
Enchondroma

Ca++

Enchondroma
Low grade chondros
Osteomyelitis
Eosinophilic granul
Mets (breast)

Multiple

FD, EG
mets, myeloma
enchondroma
Hyperparathyroidism
Infection