

Bone Lesion on CT

Characteristics	Lesion Type	Follow-Up Recommendations
Hx of Cancer	N/A	Excluded
Well Circumscribed	Benign Characteristics	<p>"No follow-up imaging is recommended."</p> <p>Benign CT Bone Lesion Atlas</p>
Narrow Zone of Transition		
No periosteal reaction or Benign appearing (smooth, solid) periosteal reaction		
No cortical breach		
No adjacent soft tissue mass		
Less than 3 cm in size. Larger than 3 cm can be worrisome		
No deep endosteal scalloping		
No history of malignancy		
HU < -30 (consistent with intralesional fat)		
If characteristics do not fall into above or below categories, consider lesion Indeterminate.		
Zone of transition - (ill-defined, broad, moth eaten)	Aggressive Lesion	<p>Note: If unsure consult MSK rad, order MRI, recommend tissue diagnosis, or Ortho/Oncology consultation.</p> <p>Aggressive CT Bone Lesion Atlas</p>
Aggressive Periosteal Reaction (lamellated, Codman's triangle, spiculated/sunburst, disorganized)		
Bone destruction		
Erosion		
Endosteal scalloping (> 2/3rds of cortical thickness)		
Soft tissue component (extra osseous soft tissue or solid enhancing component if available)		
Greater than 3cm		