

Add All Points to Determine Bone-RADS Score Level and Management	Bone-RADS Score	Risk Category	Description	Management
MARGINS IA = 1 IB = 3	0	Incompletely Characterized Point Total = N/A	Risk cannot be adequately predicted Example: Lucent lesions of the axial skeleton such as scapula, spine, or pelvis	 Further workup is necessary Additional radiographic views or cross- sectional imaging for further evaluation
II = 5 IIIA-C = 7 PERIOSTEAL REACTION None = 0 Non-aggressive = 2 Aggressive = 4	1	Very Low Risk Point Total = 1–2	 Pathognomonic benign bone lesion Classic "Do Not Touch" lesion Example: Non-ossifying fibroma, osteoid osteoma 	 If asymptomatic, consider work up to be complete vs annual surveillance to ensure expected stability If symptomatic or change in clinical presentation, consider advanced imaging and orthopedic oncology referral for treatment of benign tumor
ENDOSTEAL EROSION Mild = 0 Moderate = 1 Deep = 2 PATHOLOGICAL FRACTURE	2	Low Risk Point Total = 3–4	 Asymptomatic geographic lytic lesion without suspicious periosteal reaction or deep endosteal erosion Typical location and/or matrix of a common benign bone lesion Example: Enchondroma, giant cell tumor, aneurysmal bone cyst 	 Short interval (3-6 month) surveillance to ensure stability Consider advanced imaging to assess tumor composition and possibly biopsy to confirm benignity if needed Consider orthopedic oncology referral for surveillance or treatment of benign tumor
If YES = 2 SOFT TISSUE MASS If YES = 4	3	Intermediate Risk Point Total = 5–6	 Geographic lytic lesion in a patient with primary malignancy elsewhere Example: Geographic, but ill-defined lytic lesion 	 Orthopedic oncology referral for probable biopsy and treatment planning Recommend advanced imaging such as CT, MRI, or bone scan for further characterization
KNOWN PRIMARY CANCER If YES = 2 TOTAL POINTS	4	High Risk Point Total ≥ 7	 Malignant until proven otherwise Geographic lytic lesion with aggressive periosteal reaction or soft tissue mass Example: Non-geographic osteolytic lesion 	 Orthopedic oncology referral for recommended biopsy and treatment planning Advanced imaging for tumor staging including additional sites of disease

Bone-RADS™ v2023 Assessment Categories and Scoring System

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