Bone-RADS™ – Radiography Imaging Report Template for Potentially Neoplastic Bone Lesions (Long)

Examination: [ ] Radiographs, [number] Views.

Date of Study: [ ]

Clinical Indication: [ ]

Technique: [ ] views of the __________

Comparison/Correlation is made with __________

Patient Demographics:

Sex: [ ] M     [ ] F

Age: [ ] Infant (0 – 12 months) [ ] Adolescent (11 – 20 years)     [ ] Adult (41 – 70 years)

[ ] Child (1 – 10 years)     [ ] Young Adult (21 – 40 years)     [ ] Geriatric (> 70 years)

Known Malignancy: [ ] No     [ ] Yes – Type: __________ (2 points)

FINDINGS:

Size: [ ] x [ ] x [ ] cm

Size relative to Bone Diameter: [ ] Less than 1/3     [ ] 1/3 to 2/3     [ ] Greater than 2/3

Location/Bone Involved: [ ]

Long Axis Location (select epicenter of lesion or involved segments):

[ ] Epiphysis     [ ] Metaphysis     [ ] Diaphysis

[ ] Peri-trochanteric     [ ] N/A (i.e. flat bone)

Short Axis Location:

[ ] Intramedullary – Central     [ ] Intramedullary – Eccentric

[ ] Intracortical     [ ] Surface

Radiodensity: [ ] Lytic     [ ] Mixed     [ ] Sclerotic

Matrix: [ ] None     [ ] Osteoid     [ ] Chondroid     [ ] Ground glass     [ ] Not readily classified

Impending Fracture: [ ] No     [ ] Yes

Other Findings:
BONE-RADS SCORING SYSTEM (Point Values in parentheses):

Margination/Zone of Transition

[ ] IA – geographic well-defined lesion with sclerotic border (1 point)
[ ] IB – geographic, well-defined without sclerotic border (3 points)
[ ] II – geographic, but ill-defined with wide of transition (5 points)
[ ] IIIA – changing margin on surveillance or two distinct patterns at initial evaluation (7 points)
[ ] IIIB – non-geographic; moth-eaten or permeative (7 points)
[ ] IIIC – radiographically occult – excluding “incidentaloma” (7 points)

Periosteal Reaction:

[ ] None (0 points)
[ ] Non-aggressive – cortical remodeling, solid, continuous, buttressing (2 points)
[ ] Aggressive – multi-lamellated, sunburst, spiculated (4 points)
[ ] Codman’s angle – elevated and acutely interrupted (4 points)

Endosteal Scalloping: [ ] None/Mild (0 points)

[ ] Moderate (1 point)
[ ] Deep (2 points)

Pathological Fracture: [ ] No [ ] Yes (2 points)

Evidence of Extra-osseous Soft Tissue Mass: [ ] No [ ] Yes (4 points)

Point Values:

Margination: [ ] Pathological Fracture: [ ]

Periosteal Reaction: [ ] Soft Tissue Mass: [ ]

Endosteal Erosion: [ ] Known Malignancy: [ ]

Point Total: [ ]

BONE-RADS Score:

[ ] 0 (N/A) – Incompletely Characterized – further evaluation is suggested below
[ ] 1 (1-2 points) – Very Low Risk of malignancy - very likely benign
[ ] 2 (3-4 points) – Low Risk of malignancy - probably benign
[ ] 3 (5-6 points) – Intermediate Risk of malignancy - potentially malignant
[ ] 4 (7 or more points) – High Risk of malignancy – highly suspicious for malignancy

IMPRESSION:
Most Likely Diagnosis: 1. __________

Differential Diagnosis:
1. __________
2. __________
3. __________

RECOMMENDATION:
[ ] No further imaging follow up is necessary – unless new symptoms or change in clinical status
[ ] Radiographic surveillance is recommended at ___ months
[ ] Advanced imaging evaluation is recommended (SELECT BELOW)
  [ ] Magnetic Resonance Imaging (MRI) of the __________ [ ] without [ ] with contrast
  [ ] Computed Tomography (CT) of the __________ [ ] without [ ] with contrast
  [ ] Nuclear Medicine Technetium-99M Bone Scan
  [ ] PET-CT
  [ ] PET-MRI
  [ ] Other: __________
[ ] Biopsy and/or Orthopedic Oncology consultation is recommended