

For Soft Tissue/Joints

Tumor Location	
☐ Subcutaneous	<i>Soft Tissue</i>
☐ Intermuscular	<i>Soft Tissue</i>
☐ Intramuscular	<i>Soft Tissue</i>
☐ Joint/Periarticular	<i>Joint</i>
☐ Multifocal/Extensive	<i>Soft Tissue</i>
☐ Multiple Compartments Involved	
Are there intrinsic features that are diagnostic or limit the differential diagnosis?	
☐ Yes	
☐ Bands of low signal intensity	
☐ Blooming on gradient echo images	
☐ Calcification	
☐ Entering/exiting tube sign	
☐ Fascial/Linear extension	
☐ Fluid levels	
☐ High flow vascular structures	
☐ Low signal on T2 is prominent	
☐ Peripheral rim of calcification	
☐ Phlebolitus	
☐ Presence of fat	
☐ Prominent surrounding edema	
☐ Serpentine structures	
☐ Target sign	
☐ Bone Involvement	
☐ Neurovascular Involvement	
☐ Joint Involvement	
☐ Fluid Levels	
☐ Hematoma	
☐ Hemorrhagic neoplasm	
Is biopsy needed?	☐ Yes
Is the lesion more likely benign or malignant?	
☐ Benign	
☐ Malignant	

☐ Lesion is a high water content mass
☐ Synovial cyst/bursal/related to labral or meniscal tear
☐ Ganglion
☐ Abscess
☐ Hematoma
☐ Myxoid neoplasm
Most Likely Diagnosis
☐ Benign neurogenic tumor
☐ Benign not otherwise specified
☐ DFSP (Dermatofibrosarcoma protuberans)
☐ Extraskeletal chondrosarcoma, osteosarcoma, Ewing sarcoma
☐ Fibromatosis
☐ Ganglion
☐ Hemangioma/Vascular malformation
☐ Leiomyosarcoma
☐ Lipoblastoma
☐ Lipoma
☐ Liposarcoma, dedifferentiated
☐ Liposarcoma, myxoid
☐ Liposarcoma, well differentiated
☐ Malignant Fibrous Histiocytoma/Fibrosarcoma/Undifferentiated Pleomorphic Soft Tissue Sarcoma
☐ Malignant not otherwise specified
☐ More aggressive vascular lesion (hemangiopericytoma to angiosarcoma)
☐ MPNST (Malignant peripheral nerve sheath tumor)
☐ Myositis ossificans
☐ Myxoma
☐ Nodular fasciitis
☐ PVNS (focal or diffuse type)
☐ Rhabdomyosarcoma
☐ Synovial sarcoma