

Soft Tissue Osteosarcoma

Osteosarcoma (OGS) can also occur in soft tissue. It accounts for four per cent of all osteosarcomas and is seen typically in large muscle groups around the pelvis and thigh area. It occurs most often in patients over 40 years of age and affects males and females equally. Soft tissue OGS, with its mature-appearing bone in the central area of the lesion and aggressive, poorly mineralized tissue at the periphery, must be differentiated from myositis ossificans, which has a typical zonal pattern with peripheral maturation of bone formation. As with any soft tissue sarcoma, the treatment consists of wide local resection. Because of the poor prognosis, worse than that of osteosarcoma of bone, systemic chemotherapy is utilized extensively, similar to treatment for a typical medullary osteosarcoma.