

Enchondroma Protuberans

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History

3 year old male with palpable forearm mass

Diagnosis

Enchondroma protuberans

Discussion

Enchondroma protuberant is an “exophytic” enchondroma of long bones. Physeal chondrocytes penetrate the metadiaphysis. Medullary expansion, endosteal scalloping, cortical dehiscence and extra-osseous protrusion define this entity. Enchondroma protuberans is rare, most often occurring in tubular bones of the hand and less often the ribs, humerus and ulna. The differential diagnosis includes osteochondroma, chondrosarcoma, and periosteal chondroid tumors. Treatment requires excision of the cartilage containing protuberans and medullary curettage.

Findings

CR-AP and lateral images show a geographic intramedullary lesion with endosteal scalloping and cortical dehiscence.

MR-Coronal fat-suppressed T2 and coronal and sagittal post-gadolinium fat-suppressed T1 images confirm chondroid non-aggressive nature of the lesion.

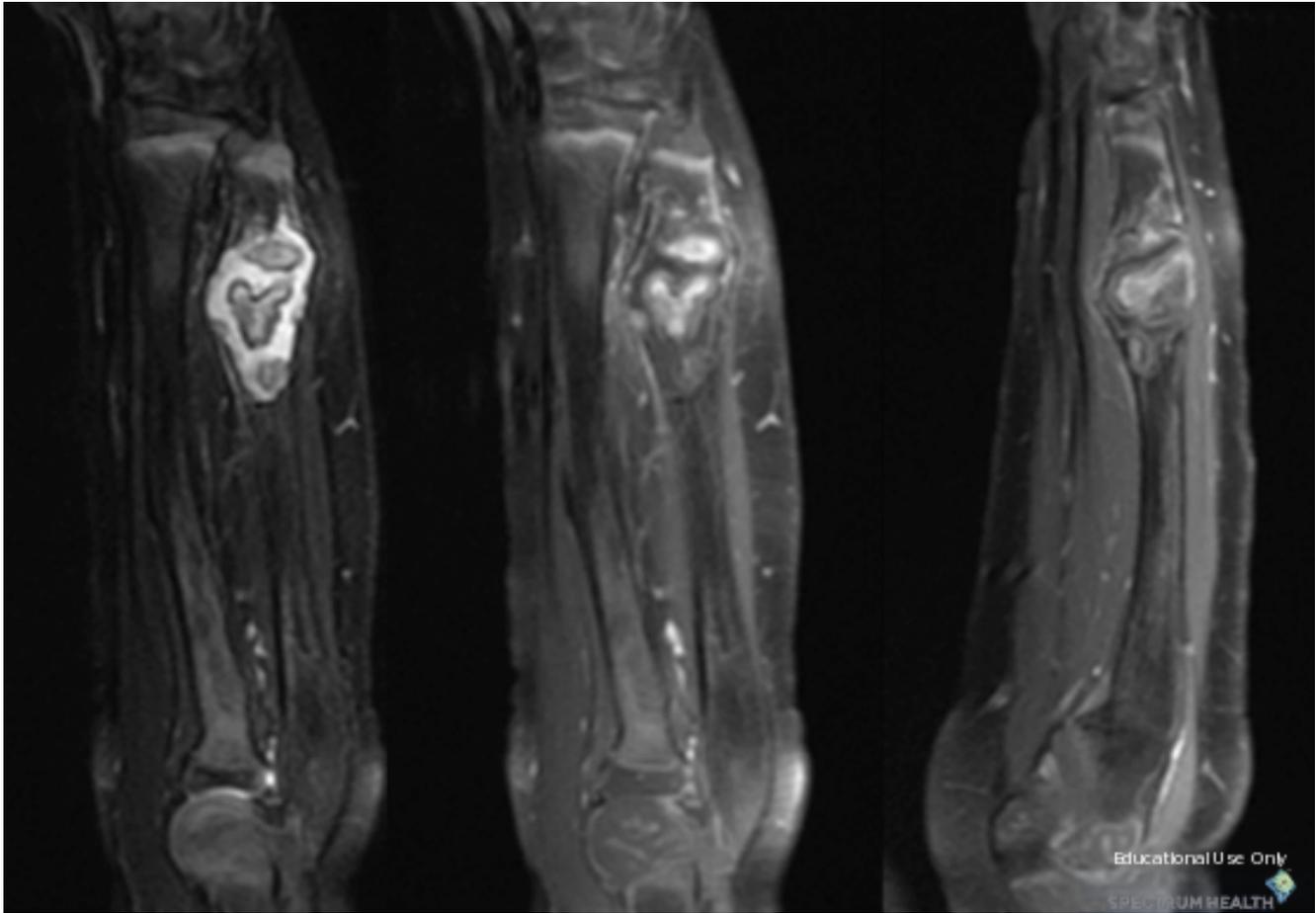
Reference

Mohammadi A, Hedayati-Asl A, Ghasemi-Rad M et al. Enchondroma Protuberans of Ulnar Bone: A Case Report and Review of Literature. *Case Rep Radiol.* 2012; 2012: 278920. Published online 2012 Sep 6. doi: 10.1155/2012/278920. PMID: PMC3443572



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