

CASE 3

27 YEARS OLD WOMAN

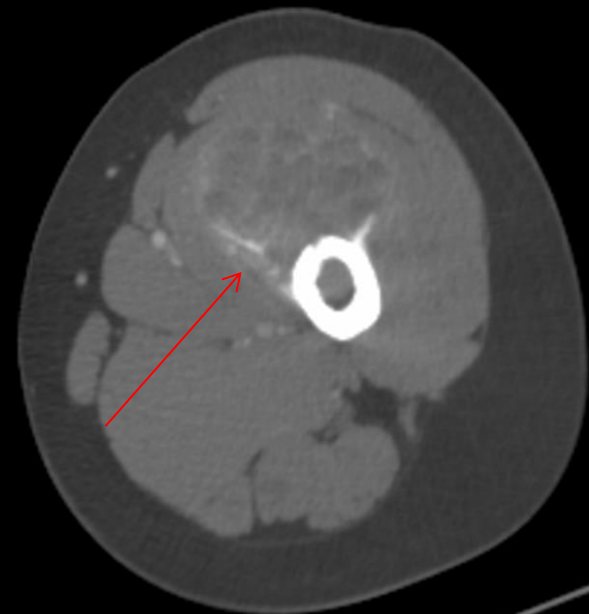
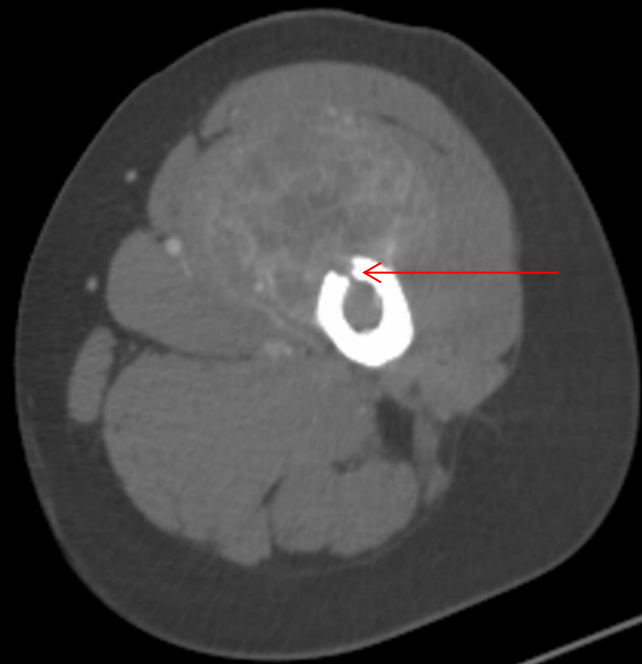
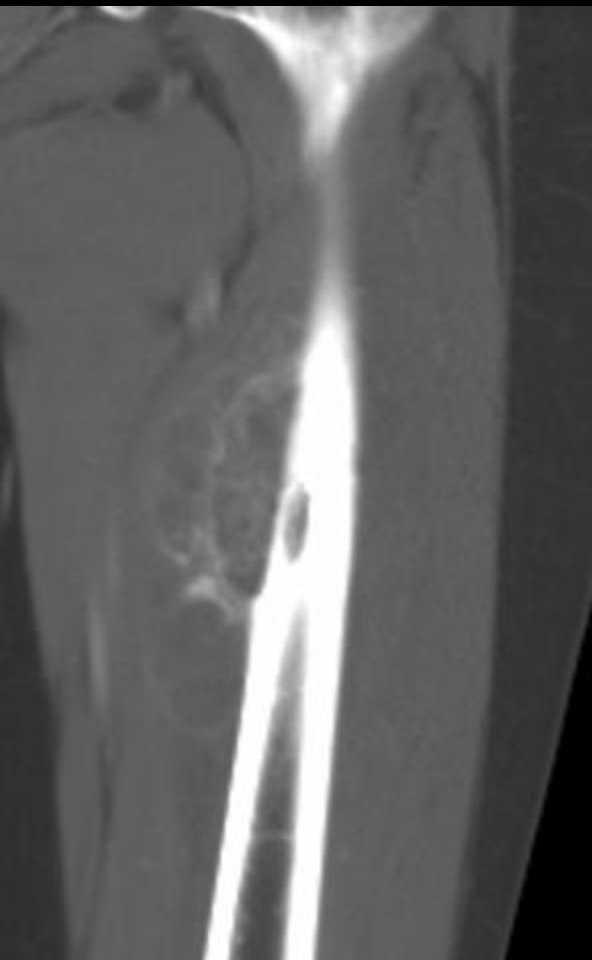
Brief history

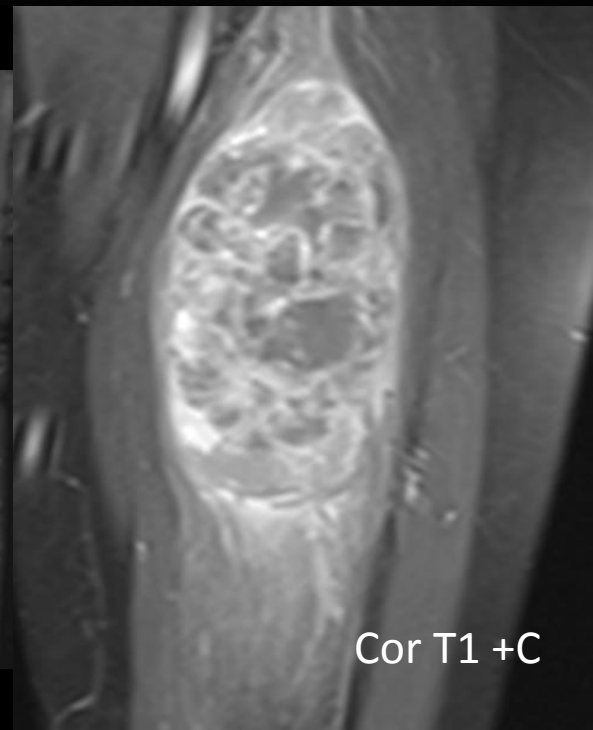
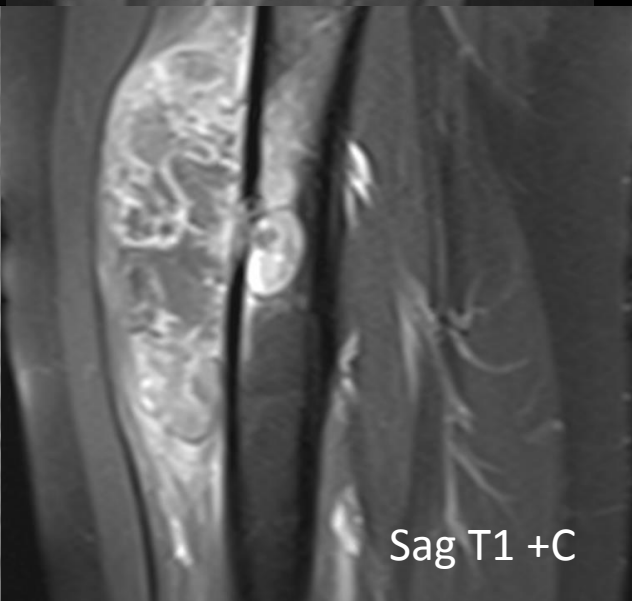
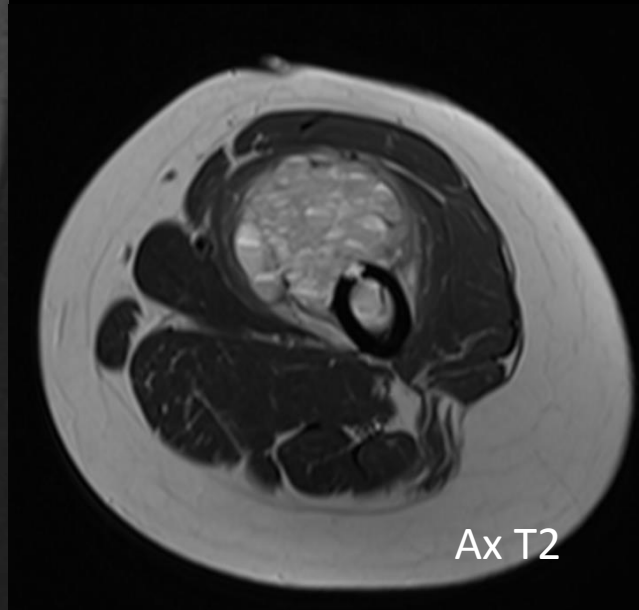
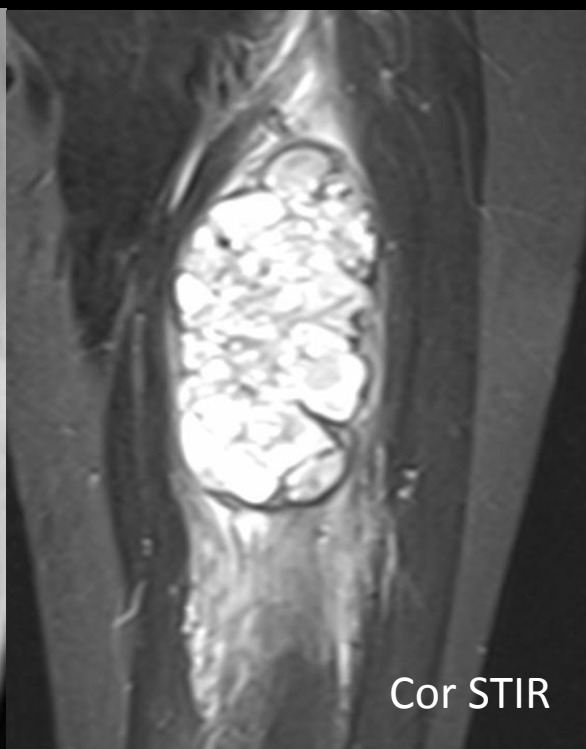
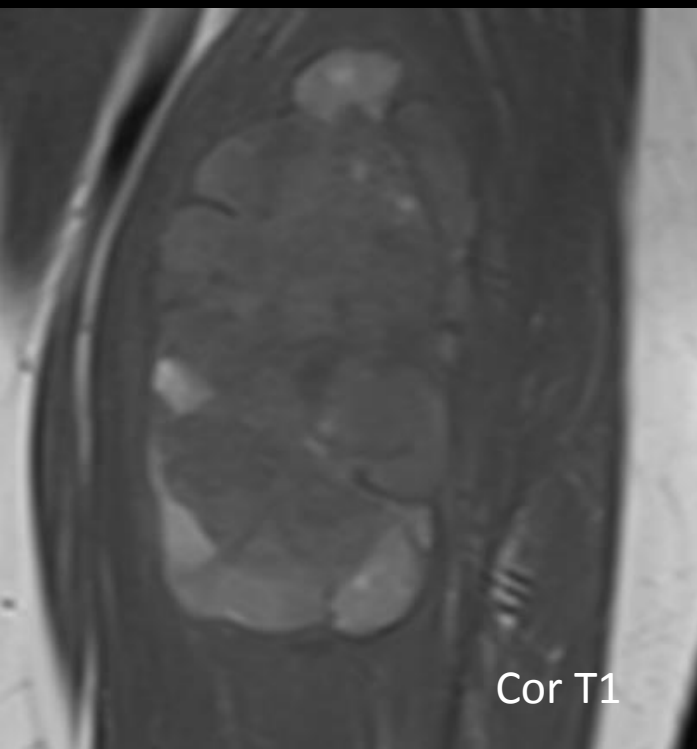
- 27 years old woman
- PHx: denied
- Chief complain:
 - right shoulder painful swelling with limited ROM for weeks

Imaging studies

- 2020/08/30 R't shoulder AP & Lat
- 2020/09/03 R't shoulder MRI (+C)

Case 2





DDx in MR:

- Synovial sarcoma
- Malignant fibrous histiocytoma
- Ewing's sarcoma

DDx in CT:

- Surface ABC
- Periosteal osteosarcoma
- telangiectatic osteosarcoma

Pathology

- OP 10/07

病理診斷：Soft tissue, thigh, left, excision, Aneurysmal bone cyst

Bone, femur, left, labeled as "cortical bone", excision, Aneurysmal bone cyst

Bone, femur, left, labeled as "bone and bone marrow", excision, Aneurysmal bone cyst

組織報告：The specimen submitted consists one bag labeled as "soft tissue", accompanied by two bottles labeled as (1) cortical bone and (2) bone and bone marrow, respectively, fixed in formalin.

The bag consists of one tissue fragment, measuring 10.8 x 5.3 x 4.3 cm in size. The specimen is labelled as proximal site by one stitch, medial site by two stitches, distal site by three stitches, and anterior site by four stitches, respectively. Grossly, there is a solid and cystic hemorrhagic tumor, measuring 8.0 x 4.0 x 3.4 cm in size. The superior, medial, inferior, lateral, anterior, and posterior section margin is inked green, orange, blue, yellow, red, and black, respectively.

The bottle (1) consists of more than ten tissue fragments measuring up to 2.0 x 1.8 x 0.8 cm in size. Grossly, they are gray and elastic.

The bottle (2) consists of two tissue fragments measuring up to 2.8 x 1.6 x 0.6 cm in size. Grossly, they are pieces of bone and brown marrow tissues.

Representative sections are taken and labelled as:

A1-15: soft tissue

B1-4: cortical bone, bottle (1) (all for section)

C1-2: bone and bone marrow, bottle (2) (C1: decalcified) (all for section)

Microscopically, the tumor shows a picture of aneurysmal bone cyst with many blood-filled cystic spaces separated by fibrous septa containing many multinucleated osteoclast-type giant cells, bland spindle cells, and woven bone tissues in the septa. No malignant tumor cell with significant nuclear pleomorphism or hyperchromasia is seen.

The lesion involves the soft tissue as well as specimens labeled as cortical bone and bone/bone marrow.

The cortical bone specimen also shows periosteal reaction with woven bone formation and edematous change in adjacent soft tissues.

The anterior, superior, inferior, medial, and lateral soft tissue margins are uninvolved. The posterior margin of the main soft tissue specimen shows presence of tumor cells. The margin status of the bone specimens cannot be evaluated.

SHORT COMMUNICATION

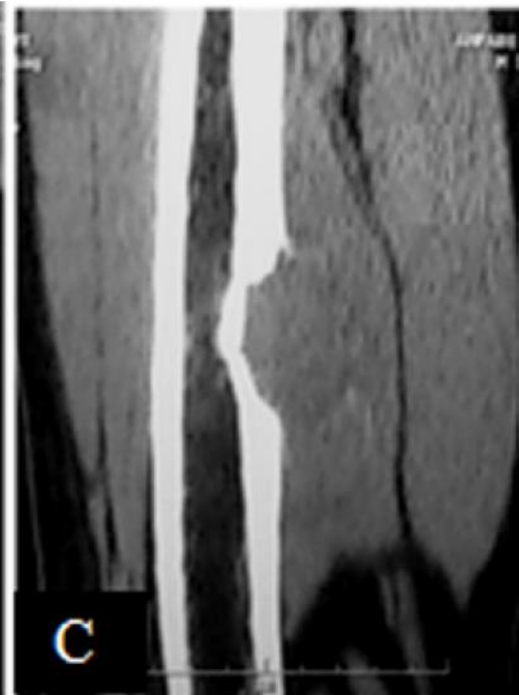
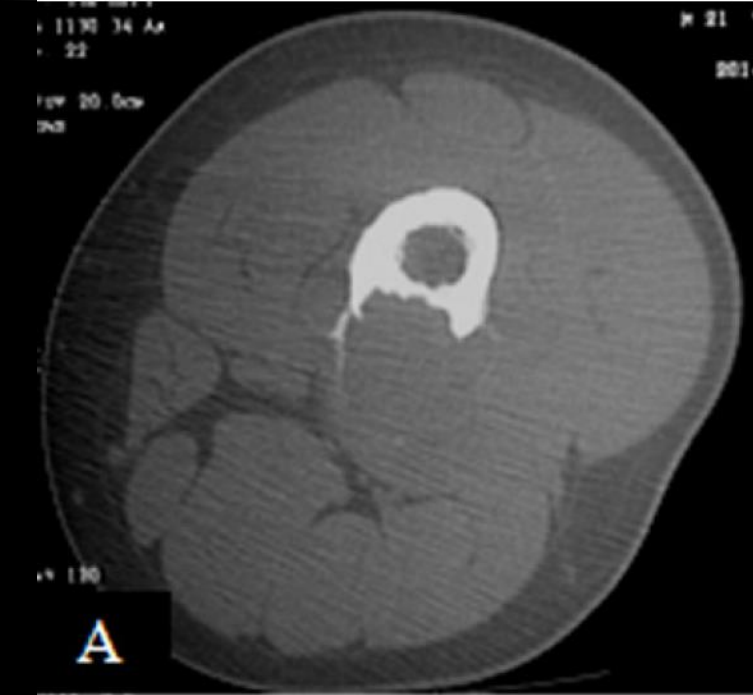
Aneurysmal Bone Cyst: An Analysis of 38 Cases and Report of Four Unusual Surface Ones

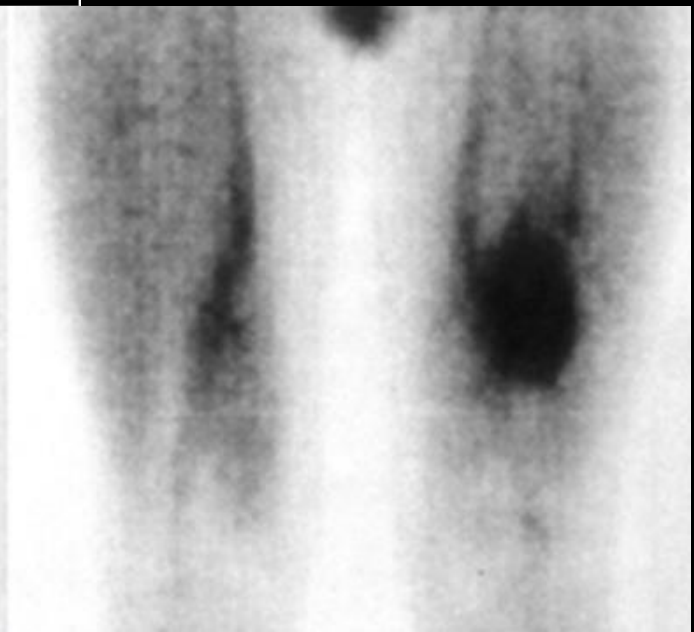
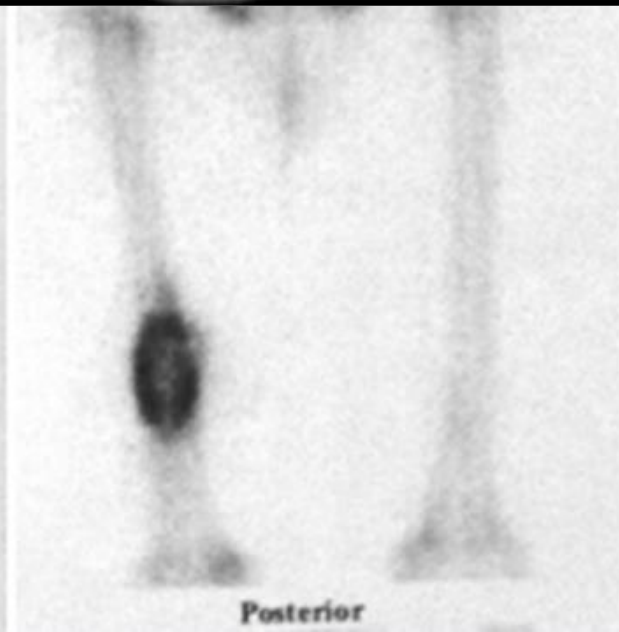
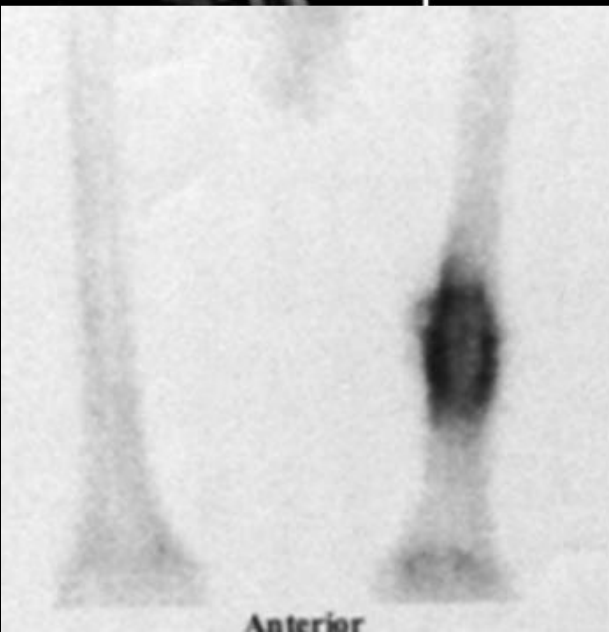
Tina Shooshtarizadeh, MD; Sajjاده Movahedinia, MD; Hassan Mostafavi, MD;
Khodamorad Jamshidi, MD; Sam Hajjaliloo Sami, MD

Research performed at Shafa Yahyaeen Hospital, Iran University of Medical Sciences, Tehran, Iran

Received: 26 October 2015

Accepted: 9 January 2016



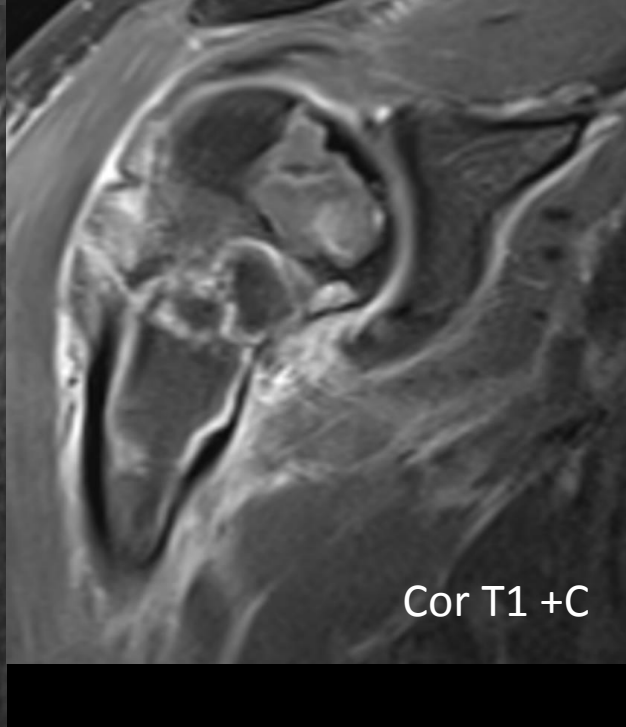
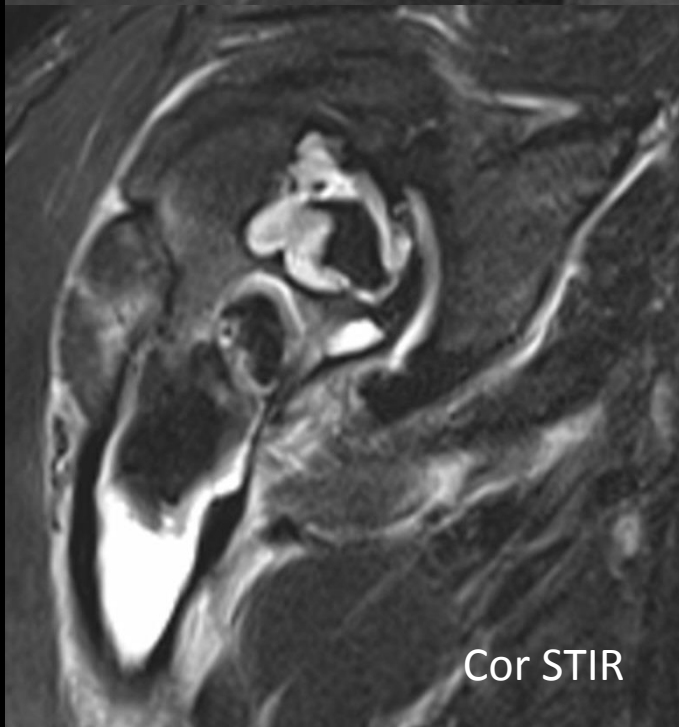
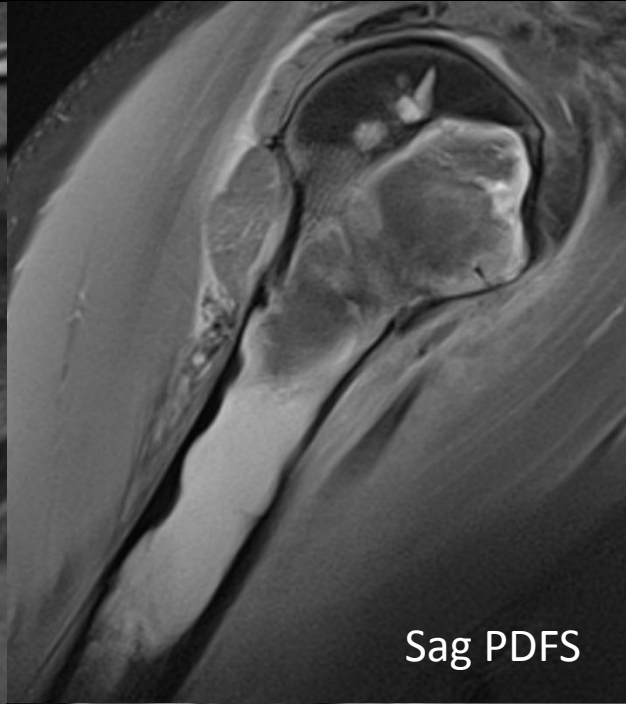
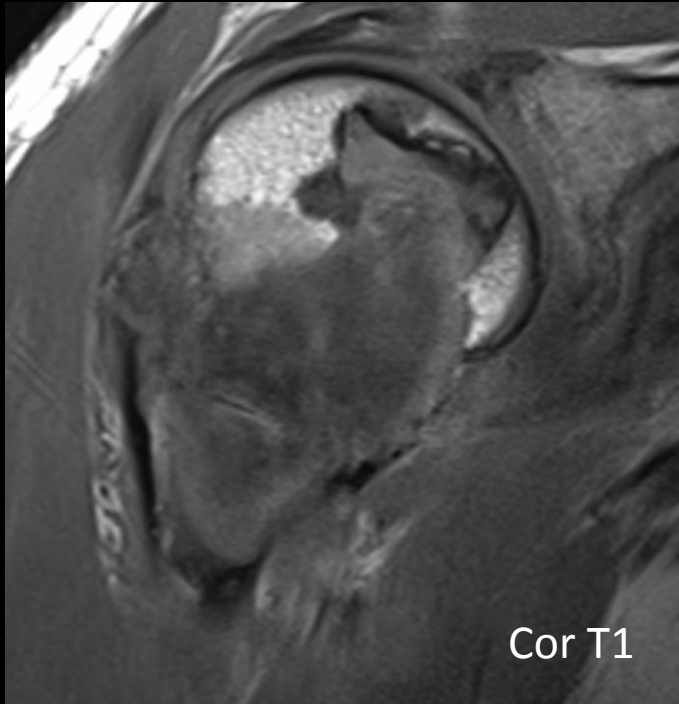




Surface ABC

- Subperiosteal or cortical origin
- 9.3% - 16% (10.5%)
- DDX
 - Periosteal osteosarcoma with secondary ABC
 - giant cell tumor
 - Subperiosteal hematoma
 - telangiectatic osteosarcoma
 - Periosteal chondroma
 - periosteal chondrosarcoma

Case 3



DDx:

- Metastasis
- Primary malignant bone tumor
(osteosarcoma, chondrosarcoma)
- Giant cell tumor

Pathology

- Biopsy 09/10

病理診斷：Bone, humerus, proximal, right, biopsy, blood clot

組織報告：The specimen submitted consists of more than ten tissue fragments, measuring up to 3.0 x 1.2 x 0.4 cm in size, fixed in formalin.

Grossly, they are dark brown and soft blood clots.

All for section and labeled as: A and B

Microscopically, it shows a picture of fresh blood clots and very few isolated spindle cells only. No tumor tissue is found.

Pathology

- OP 09/24

病理診斷：Bone, humerus, side nor stated, bone graft with DBM and Prodense, blood clots with fibrin substance and focal calcification present (fracture, clinicxally)

組織報告：The specimen submitted consists of three tissue fragments measuring up to 0.6 x 0.2 x 0.2 cm in size, fixed in formalin.

Grossly, they are brown and soft.

All for section.

Microscopically, it shows a picture only blood clot and fibrin substance with focal calcification present. No bone trabeculae or epithelial element is found in the section.

Case3 post-op

