

**California Tumor Tissue Registry's
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"Bone & Cartilage - Intra & Extraosseous"

Unfortunately, these cases are not accompanied by x-rays. Such is the nature of contributions to a registry such as ours. Diagnoses were made/confirmed by correlation with the written radiology reports. ... Donald Chase, Executive director, CTTR.

Case 1

Mass in soft tissue of distal arm of a 32 y/o woman.

Dx:

Chondroma of soft parts, arm

Imaging and pathological correlation of soft-tissue chondroma: a serial five-case study and literature review.

Clin Imaging 2006 Jan-Feb;30(1): p32-6

Hondar Wu HT; Chen W; Lee O; Chang CY

Posterior interosseous neuropathy due to compression by a soft tissue chondroma of the elbow.

Acta Neurol Belg 2005 Jun;105(2): p86-8

De Smet L

Radiologic case study. Soft-tissue chondroma.

Orthopedics 2007 Mar;30(3): p180, 241-3

Gentles C; Perin J; Berrey H; Griffiths HJ

Supernumerary ring chromosomes derived from the long arm of chromosome 12 as the primary cytogenetic anomaly in a rare soft tissue chondroma.

Cancer Genet Cytogenet 2000 Apr 15;118(2): p144-7

Shadan FF; Mascarello JT; Newbury RO; Dennis T; Spallone P; Stock AD

Tenosynovial (extraarticular) chondromatosis: an analysis of 37 cases of an underrecognized clinicopathologic entity with a strong predilection for the hands and feet and a high local recurrence rate.

Am J Surg Pathol 2003 Sep;27(9): p1260-8

Fetsch JF; Vinh TN; Remotti F; Walker EA; Murphey MD; Sweet DE

Case 2

76 y/o man with 4.2 cm slow growing firm mass involving plantar portion of the left foot between the 1st and 2nd metatarsal heads.

Dx:

Chondroma of soft parts, plantar foot

Extraskeletal chondroma of the foot.

Joint Bone Spine 2007 May;74(3): p285-8

Papagelopoulos PJ; Savvidou OD; Mavrogenis AF; Chloros GD; Papaparaskeva KT; Soucacos PN

Fine needle aspiration cytology of soft tissue chondroma. A case report.
Acta Cytol 2001 Jan-Feb;45(1): p86-8
Thool AA; Raut WK; Lele VR; Bobhate SK

A case of congenital soft tissue chondroma.
J Dermatol 2005 Mar;32(3): p214-6
Ryu JH; Park EJ; Kim KH; Kim KJ

Recurrent para-articular chondroma of the ankle: a case report.
Foot Ankle Int 2006 Mar;27(3): p216-9
Pedowitz DI; Reddy SC; Parekh SG; Guttenberg M; Davidson RS

Case 3

14-year-old female with nonunion of left mid-humeral fracture determined to possibly related to a cyst by plain x-ray. Biopsy material contained 8 cc's of red-brown bone.

Dx:

Hemangioma, humerus

Unstable nonunions of the distal part of the humerus.
J Bone Joint Surg Am 2004 Jan;86-A(1): p184; author reply 184-5
Raja S; Mittal D; Bale S

Solitary skeletal hemangioma of the extremities.
Skeletal Radiol 2000 Sep;29(9): p502-13
Kaleem Z; Kyriakos M; Totty WG

Vascularity in a new model of atrophic nonunion.
J Bone Joint Surg Br 2003 May;85(4): p604-10
Reed AA; Joyner CJ; Isefuku S; Brownlow HC; Simpson AH

Forearm bone non-union and its management.
Ethiop Med J 2002 Jan;40(1): p53-8
Chirstos CG

The vascularity of atrophic non-unions.
Injury 2002 Mar;33(2): p145-50
Brownlow HC; Reed A; Simpson AH

Case 4

A 20-year-old Jehovah's Witness woman presented with chronic jaw pain and swelling in the left cheek. Computerized tomography (CT) scan identified an expansile, multilocular, osteolytic mass in the left lower maxillary sinus. The mass had lobulated margins and contained microcystic elements with a large cyst measuring 24 mm. The mass was completely excised consisting of dark red fluid inside the cysts. Grossly, the lesion contained heterogeneous, reddish-brown friable soft tissue fragments intermixed with hard components.

Case published as CTTR COTM 11(4)2009 at www.cttr.org.

Dx:**Aneurysmal bone cyst (ABC) with fibrous dysplasia, maxilla**

Aneurysmal bone cyst associated with fibrous dysplasia.

Ophthal Plast Reconstr Surg 2002 Nov;18(6): p471-4

Yuen VH; Jordan DR; Jabi M; Agbi C

[Fibrous dysplasia in the head and neck region: a report of three cases]

Kulak Burun Bogaz Ihtis Derg 2003 Jul;11(1): p25-8

Senturk M; Kulahli I; Emiroglu A

Aneurysmal bone cyst associated with fibrous dysplasia.

Orthopedics 2001 Nov;24(11): p1087-9

Burd TA; Lowry KJ; Stokesbary SJ; Allen IC

Aneurysmal bone cyst arising from fibrous dysplasia of the frontal bone (2004:2b).

Eur Radiol 2004 May;14(5): p930-2

Lin WC; Wu HT; Wei CJ; Chang CY

Fibrous dysplasia in combination with aneurysmal bone cyst presenting as a subarachnoid haemorrhage.

Neurol Sci 2005 Jul;26(3): p178-81

Mattei TA; Mattei JA; Ramina R; Aguiar PH

Case 5

A 19 y/o woman had pain in the region of the right knee. A lytic lesion was found in the cortical metadiaphyseal region of the distal femur. It was well-circumscribed and did not elevate the cortex. No evidence of a soft tissue extension.

Dx:**Non-ossifying fibroma, femur**

Translocation (1; 4)(p31; q34) in nonossifying fibroma.

Cancer Genet Cytogenet 2003 Apr 15;142(2): p142-4

Nelson M; Perry D; Ginsburg G; Sanger WG; Neff JR; Bridge JA

Pathological fracture in non-ossifying fibroma with histological features simulating aneurysmal bone cyst.

Eur Radiol 1999;9(4): p669-71

Hoeffel C; Panuel M; Plenat F; Mainard L; Hoeffel JC

Non-ossifying fibroma of the mandible: report of a case.

Br J Oral Maxillofac Surg 1999 Apr;37(2): p152-4

Uckan S; Gurol M; Mutlu N; Gungor S

Bilateral nonossifying fibromas in the proximal tibiae of a yearling Thoroughbred filly.

Equine Vet J 2002 May;34(3): p317-20

Kidd JA; Bradshaw J

Case 6

55 y/o woman with a 3.5 cm mass in the right mandible. It was white-tan to brown-tan.

Dx:

Ameloblastoma, mandible

Fine needle aspiration cytology in ameloblastoma of the mandible.

Cytopathology 2002 Dec;13(6): p375-8

Tsamis I; Giatromanolaki A; Tamiolakis D; Georgiou L; Manavis J; Alexiadis G; Thomaidis V; Sivridis E

Recurrent ameloblastoma: report of 2 cases.

J Oral Maxillofac Surg 2000 Jul;58(7): p800-4

Ferretti C; Polakow R; Coleman H

Thirteen-year follow-up of large recurrent unicystic ameloblastoma of the mandible in a 15-year-old boy.

J Oral Maxillofac Surg 2002 Feb;60(2): p211-5

Pizer ME; Page DG; Svirsky JA

Ameloblastoma: a clinical, radiographic, and histopathologic analysis of 71 cases.

Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2001 Jun;91(6): p649-53

Kim SG; Jang HS

Maxillary ameloblastomas: a review of the literature and of a 15-year database.

J Craniomaxillofac Surg 2002 Oct;30(5): p273-9

Zwahlen RA; Gratz KW

Malignant ameloblastoma: classification, diagnostic, and therapeutic challenges.

Am J Otolaryngol 2002 Jan-Feb;23(1): p44-8

Verneuil A; Sapp P; Huang C; Abemayor E

Case 7

81 y/o right-hand dominant man with a mass on his right ring finger. It was present for many months and had not enlarged in the last 2 months. There had been a 20 y/o history of "occasional pus and recurrent infection" of the ring finger. Chronic low grade pain. X-rays showed a soft tissue mass that did not seem to be involving the bone. Surgery was performed with a Dx of SCC or pyogenic granuloma. A 15.5 gram, 3.5 x 3.0 x 3.0 cm lobulated pink-tan to red-tan mass was removed. It was firm, white-tan, without hemorrhage, or necrosis.

Dx:

Carcinosarcoma, finger

Carcinosarcomas--a retrospective analysis of 21 patients.

Anticancer Res 2006 Nov-Dec;26(6C): p4817-23

Villena-Heinsen C; Diesing D; Fischer D; Griesinger G; Maas N; Diedrich K; Friedrich M

Case 8

A 53 y/o woman presented with a pathologic fracture of the tibia. The surrounding soft tissue was involved with a necrotic tan tumor similar to that within the bone.

(Contributed by Sir Run Run Shaw Hospital, China)

Dx:

Mesenchymal chondrosarcoma, tibia

Trisomy 8 as the sole cytogenetic abnormality in a case of extraskeletal mesenchymal chondrosarcoma.

Cancer Genet Cytogenet 2005 Jun;159(2): p151-4

Gatter KM; Olson S; Lawce H; Rader AE

Desmin and myogenin reactivity in mesenchymal chondrosarcoma: a potential diagnostic pitfall.

Histopathology 2006 Jan;48(2): p201-3

Gengler C; Letovanec I; Taminelli L; Egger JF; Guillou L

Mesenchymal chondrosarcoma: a series of 23 cases.

Indian J Pathol Microbiol 2004 Oct;47(4): p491-3

Jambhekar NA; Desai SS; Aggarwal MG; Puri A; Merchant N

Mesenchymal chondrosarcoma: an immunohistochemical study of 10 cases examining prognostic significance of proliferative activity and cellular differentiation.

Pathology 2004 Jun;36(3): p230-3

Nussbeck W; Neureiter D; Soder S; Inwards C; Aigner T

Mesenchymal chondrosarcoma of soft tissues and bone in children, adolescents, and young adults: experiences of the CWS and COSS study groups.

Cancer 2008 Jun;112(11): p2424-31

Dantonello TM; Int-Veen C; Leuschner I; Schuck A; Furtwaengler R; Claviez A; Schneider DT; Klingebiel T; Bielack SS; Koscielniak E

Case 9

32 y/o woman with a 2 yr hx of a non-tender 3 cm moveable mass in the "sub-dermis" of the thigh/hip.

Dx:

Extraskeletal myxoid chondrosarcoma, hip/thigh

Extraskeletal myxoid chondrosarcoma: updated clinicopathological and molecular genetic characteristics.

Pathol Int 2005 Aug;55(8): p453-63

Hisaoka M; Hashimoto H

Cytopathology of extraskeletal myxoid chondrosarcoma: report of 8 cases.

Cancer 2007 Oct 25;111(5): p298-305

Jakowski JD; Wakely PE

Fine needle aspiration cytology of primary extraskeletal myxoid chondrosarcoma. A case report.

Acta Cytol 2000 May-Jun;44(3): p445-8

Wadhwa N; Arora VK; Singh N; Bhatia A

Skeletal and extraskeletal myxoid chondrosarcoma: related or distinct tumors?

Adv Anat Pathol 1999 Jul;6(4): p204-12

Rubin BP; Fletcher JA

Extraskeletal myxoid chondrosarcoma: a clinicopathologic, immunohistochemical, and molecular analysis of 18 cases.

Hum Pathol 2001 Oct;32(10): p1116-24

Okamoto S; Hisaoka M; Ishida T; Imamura T; Kanda H; Shimajiri S; Hashimoto H

Case 10

70 y/o woman with a 2 year hx of sacral chordoma (8328752) presented with a "sebaceous cyst" of the right scalp.

Dx:

Metastatic chordoma, scalp (from previous sacral primary)

Cutaneous metastasis of chordoma.

Dermatol Surg 2000 Mar;26(3): p259-62

Ruiz HA; Goldberg LH; Humphreys TR; Blacklock JB

Fine-needle aspiration biopsy of metastatic chordoma: case report and review of the literature.

Diagn Cytopathol 2000 Feb;22(2): p104-6

Kfoury H; Haleem A; Burgess A

Chordoma. Cytomorphologic findings in 14 cases diagnosed by fine needle aspiration.

Acta Cytol 2003 Mar-Apr;47(2): p202-8

Kay PA; Nascimento AG; Unni KK; Salomao DR

Familial chordoma. A report of two cases.

J Bone Joint Surg Br 2006 May;88(5): p634-6

Bhadra AK; Casey AT

Extra-axial chordoma.

Arch Pathol Lab Med 2006 Dec;130(12): p1871-4

Di Francesco LM; Davanzo Castillo CA; Temple WJ