

CAS CLINIQUE

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Service de Radiologie du Centre Léon Bérard

Centre Médico-chirurgical des Massues.

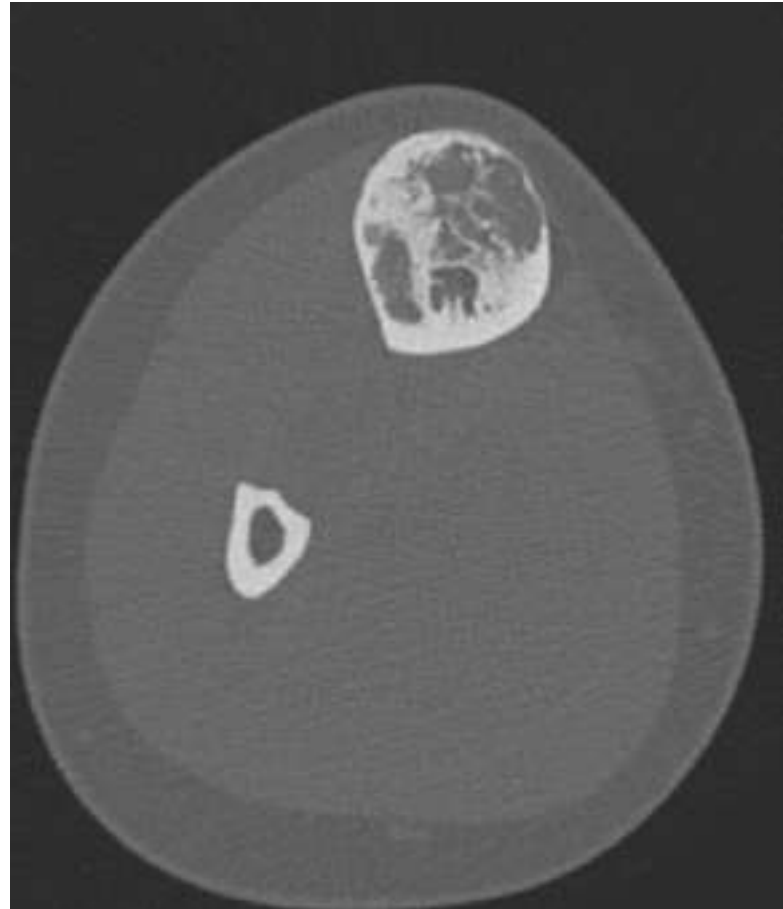
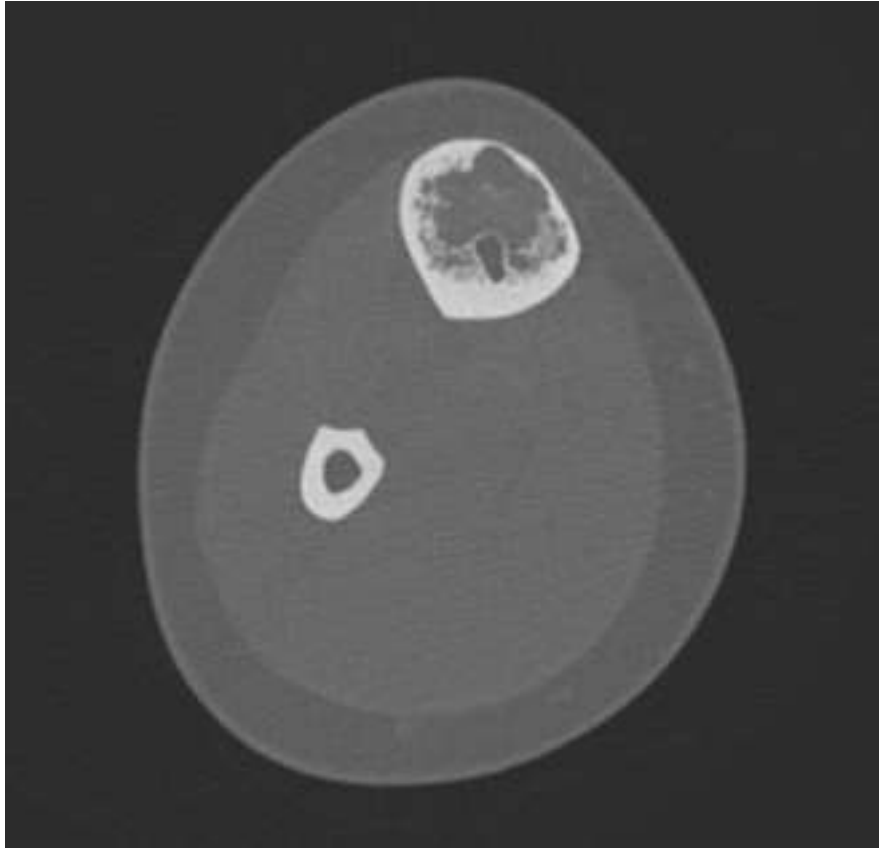
SFR-RA 20 septembre 2014

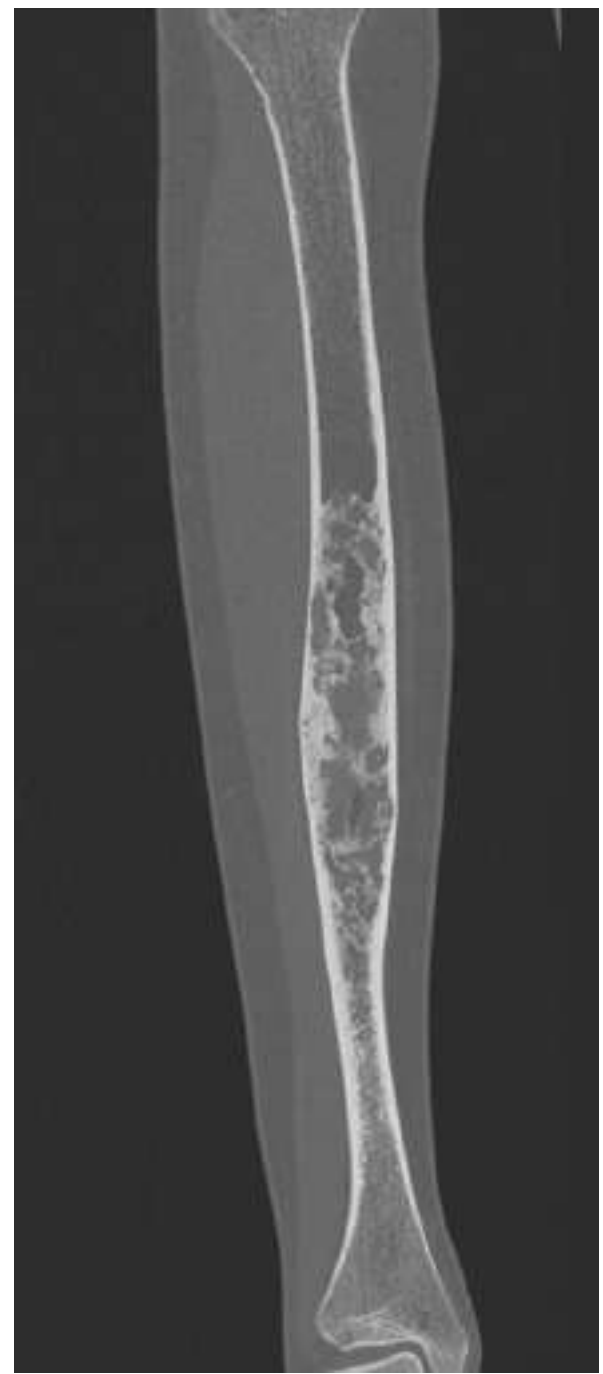
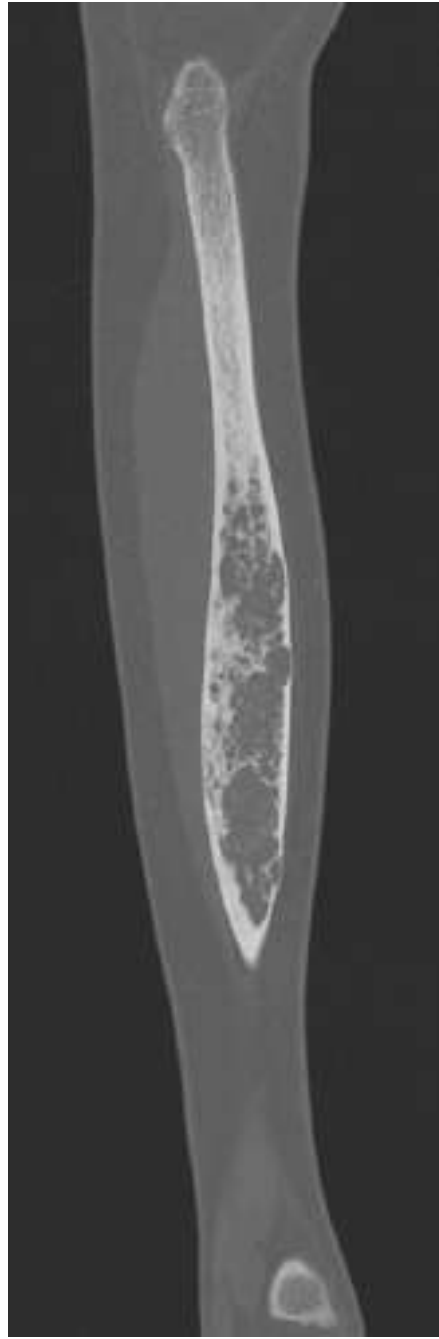
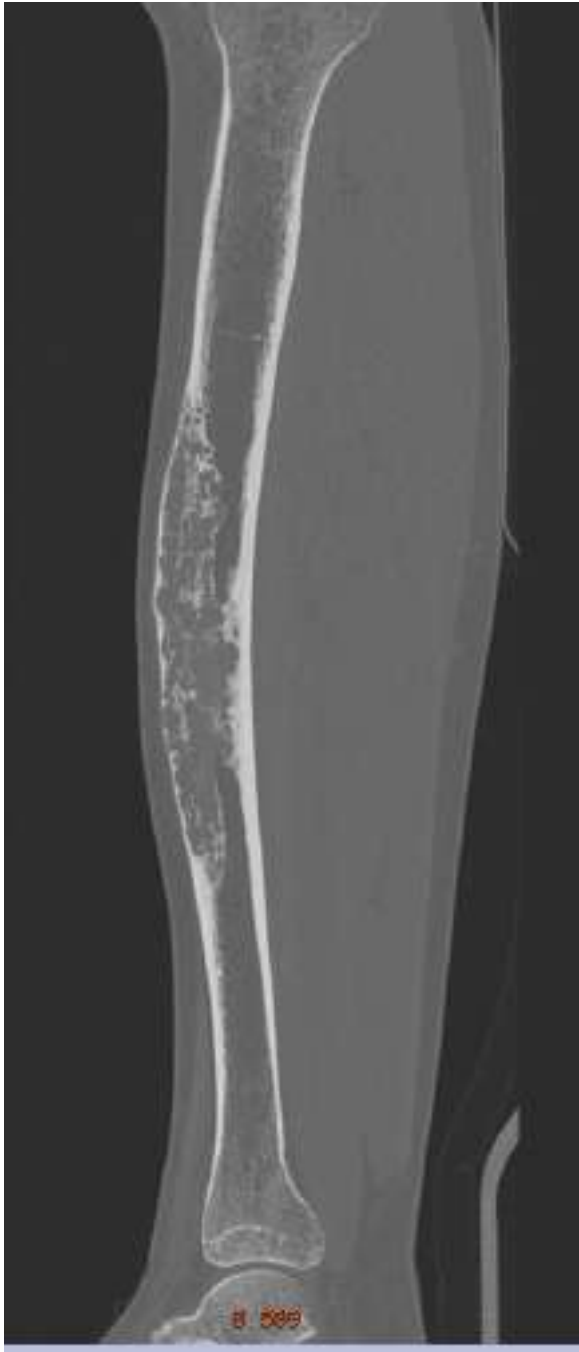
- Enfant de 3 ans
- Chute
- Douleur jambe droite
- Impotence fonctionnelle

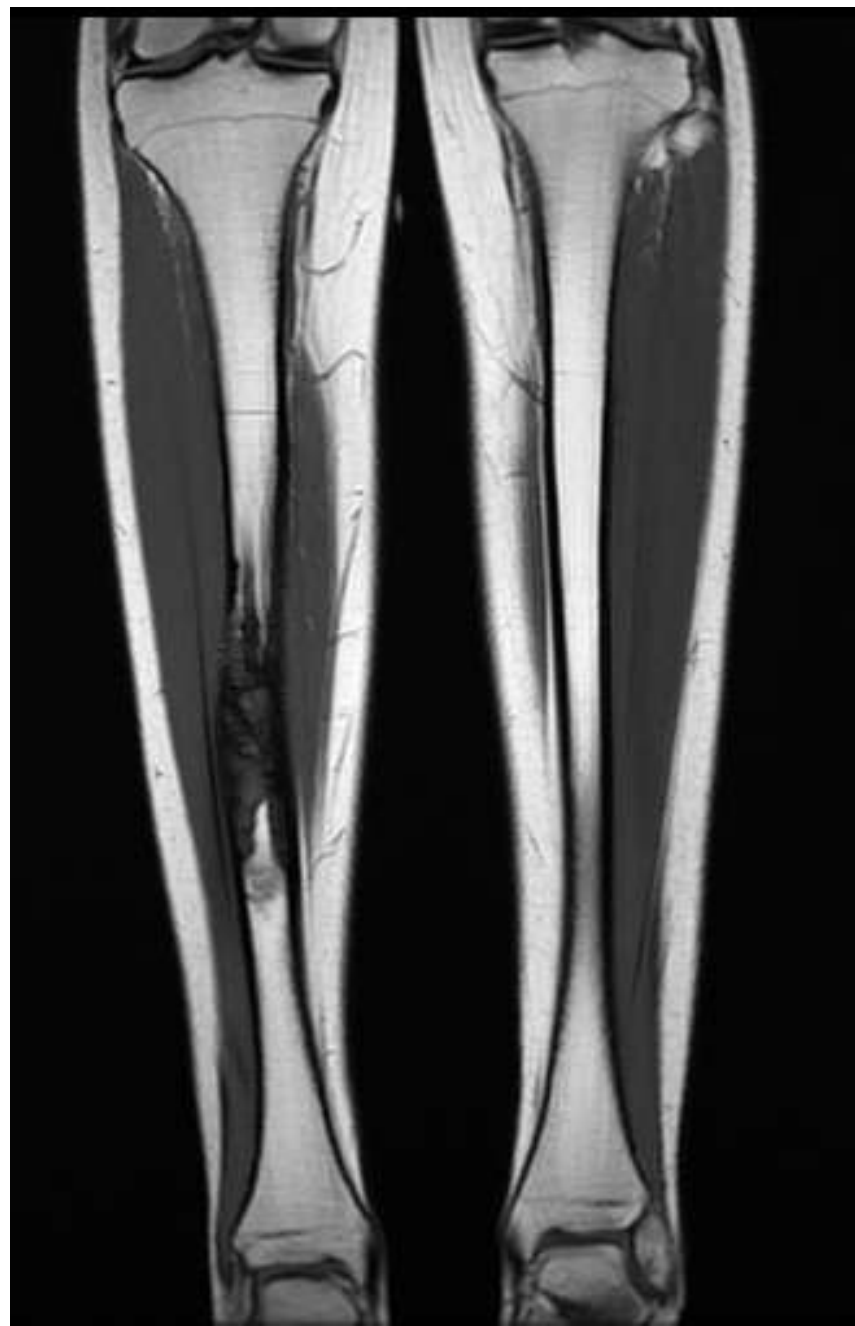


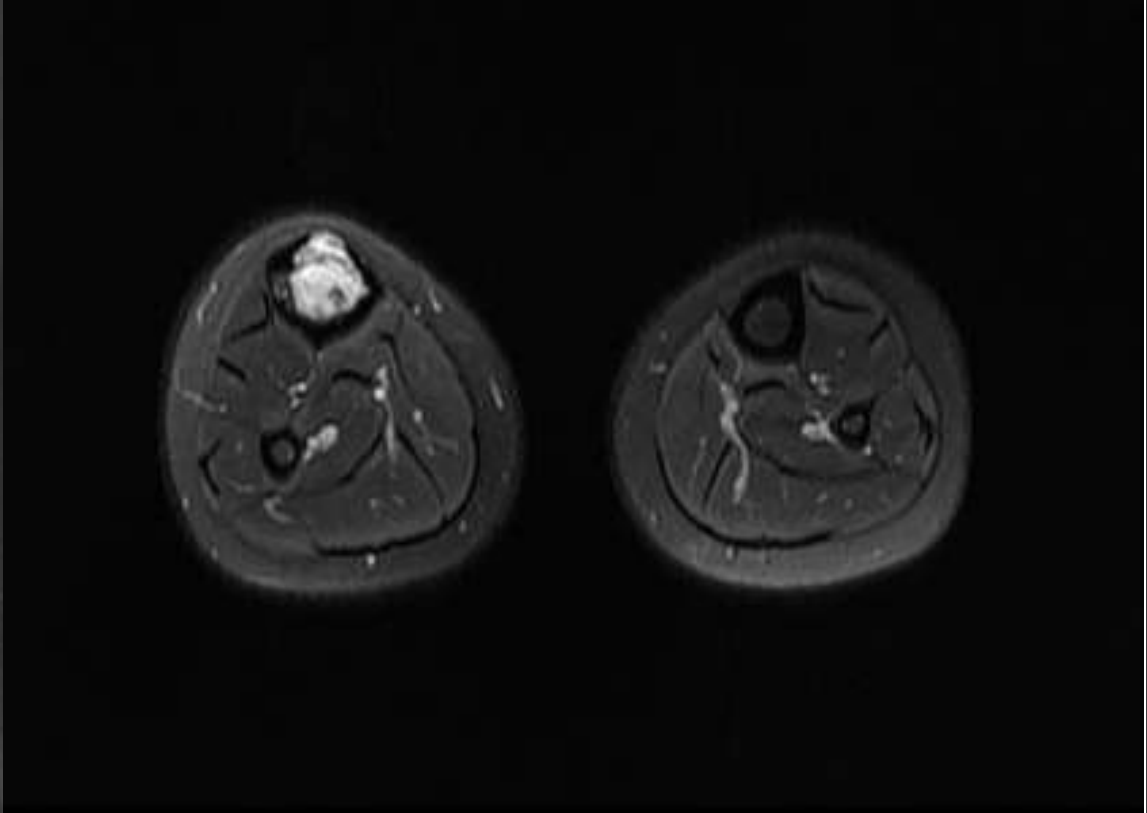
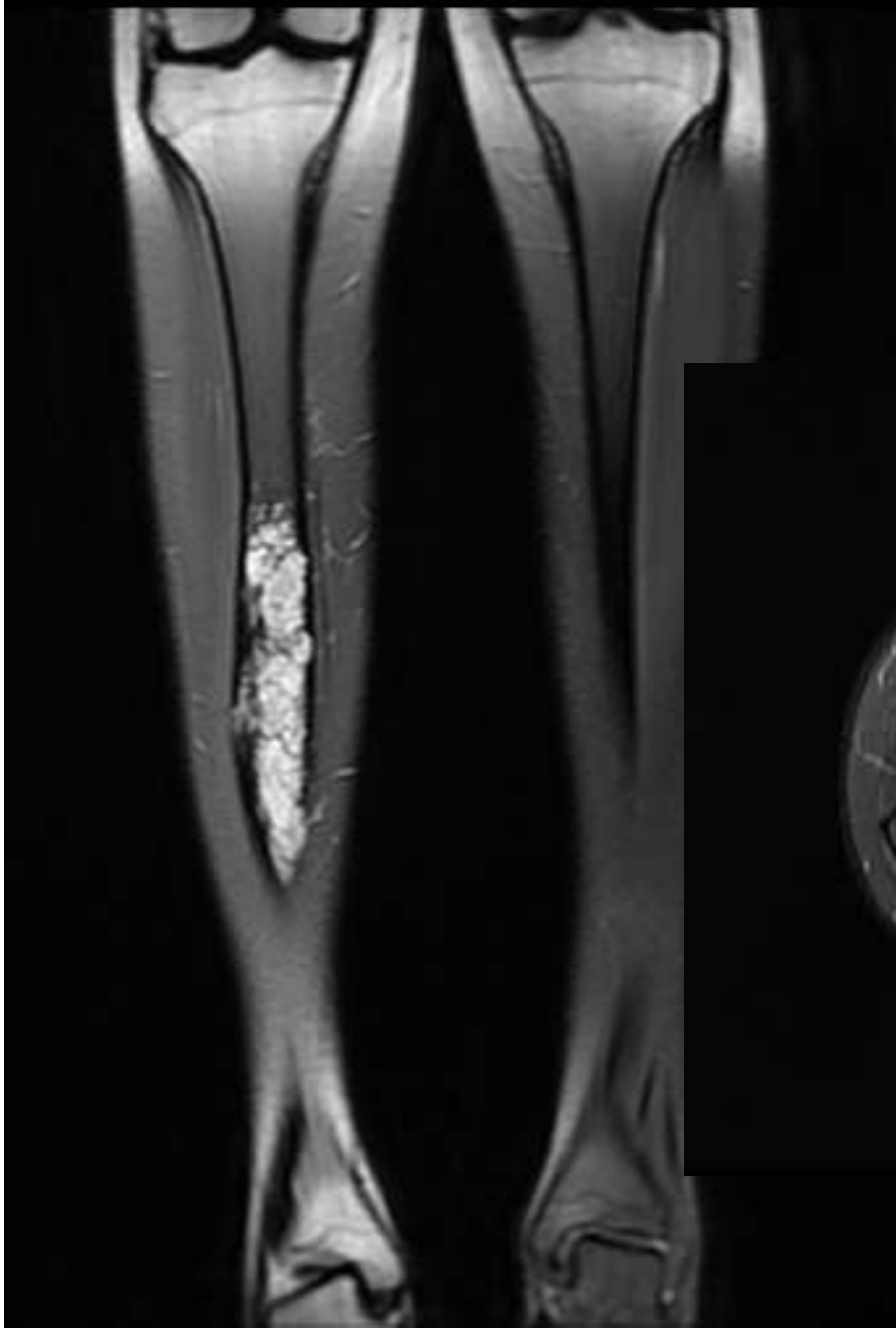
- Même enfant: 16 ans
- Déformation du tibia droit depuis plusieurs années
- Douleurs dans les suites d' un effort physique inhabituel

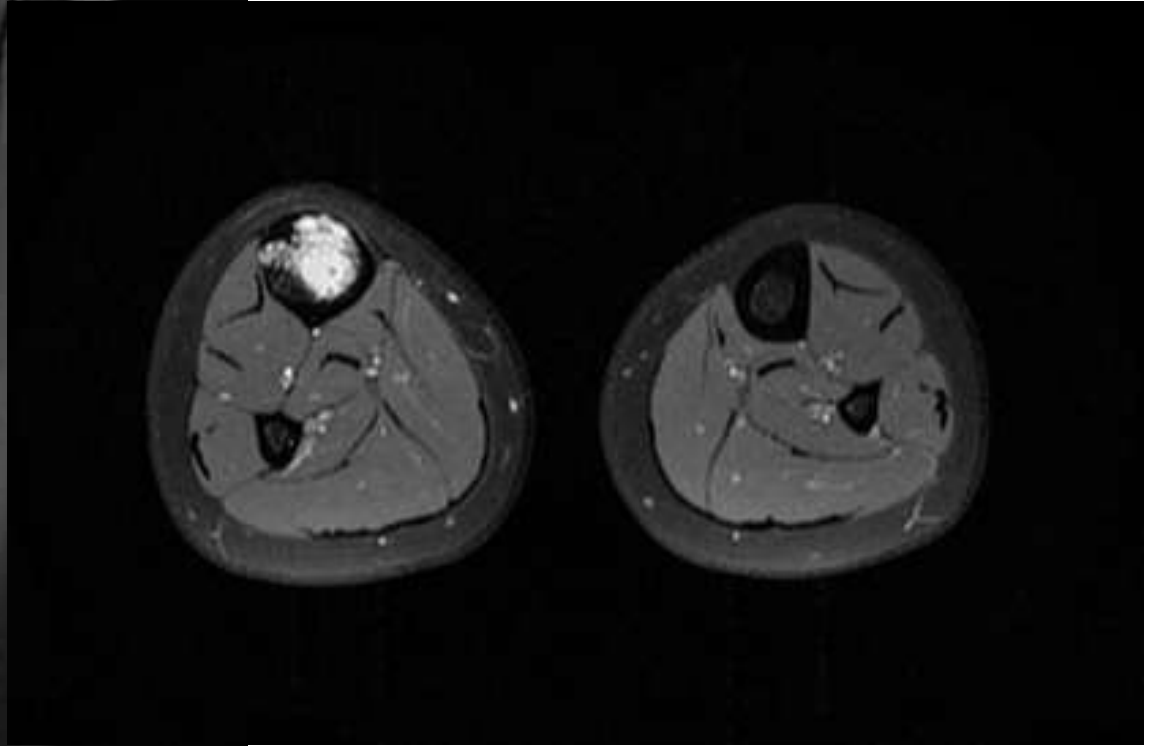
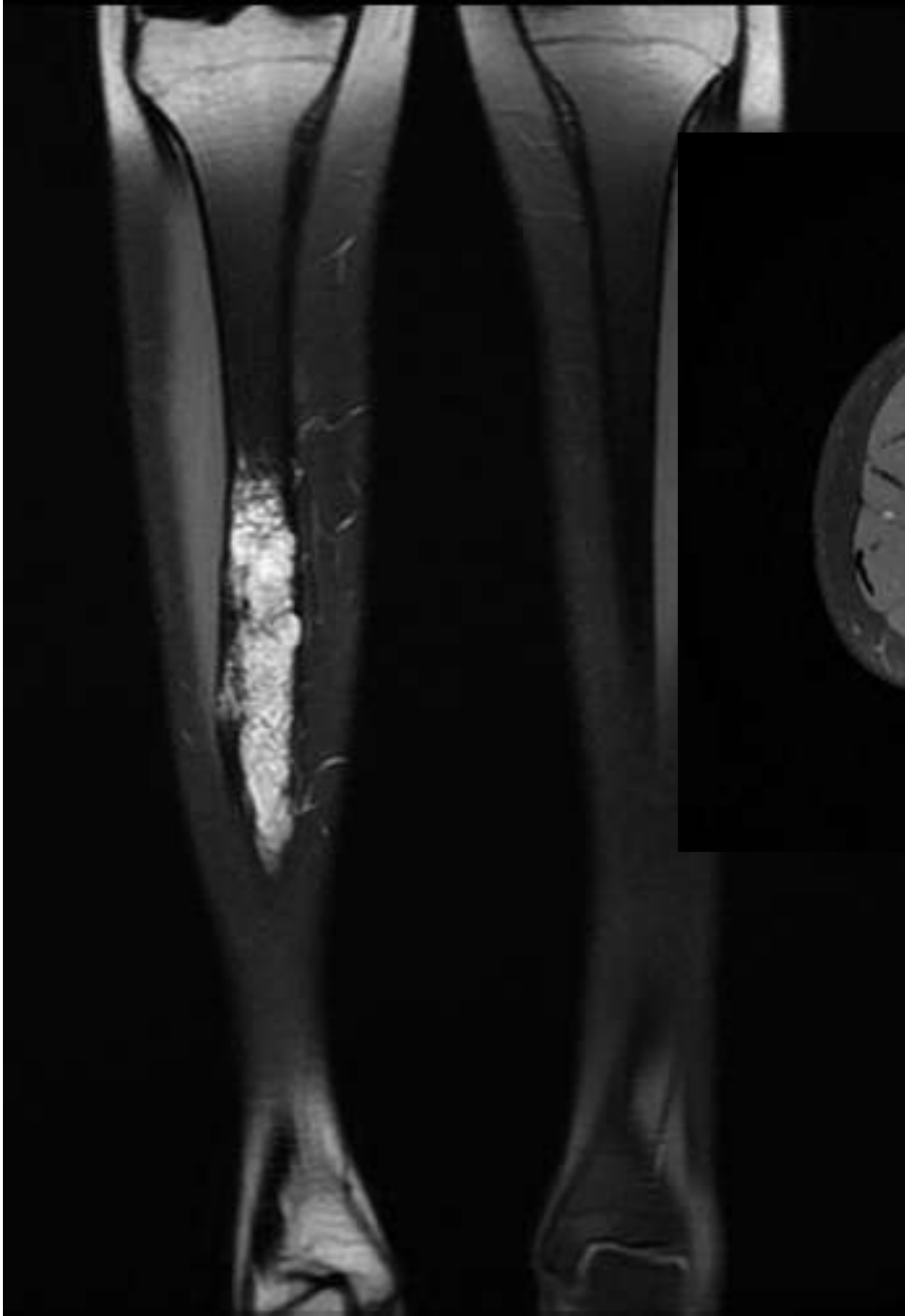










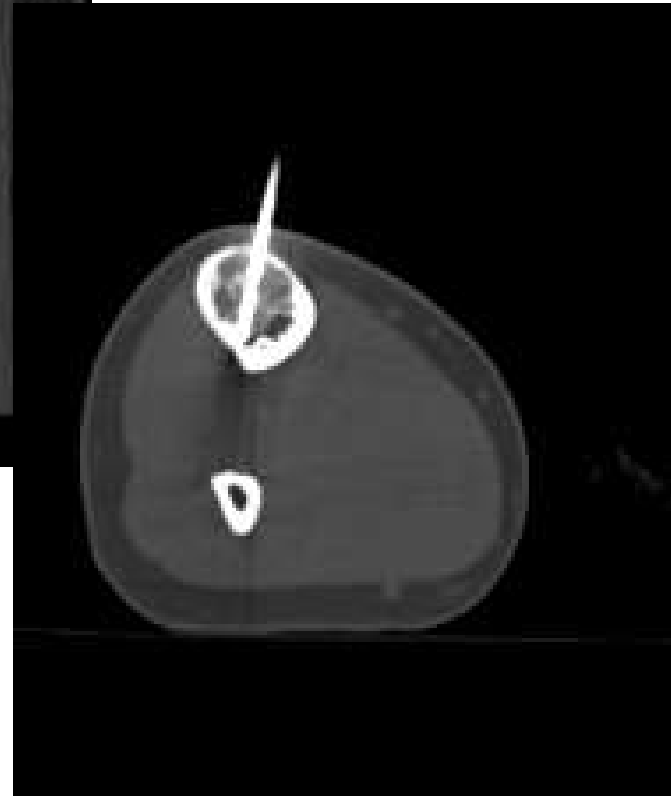
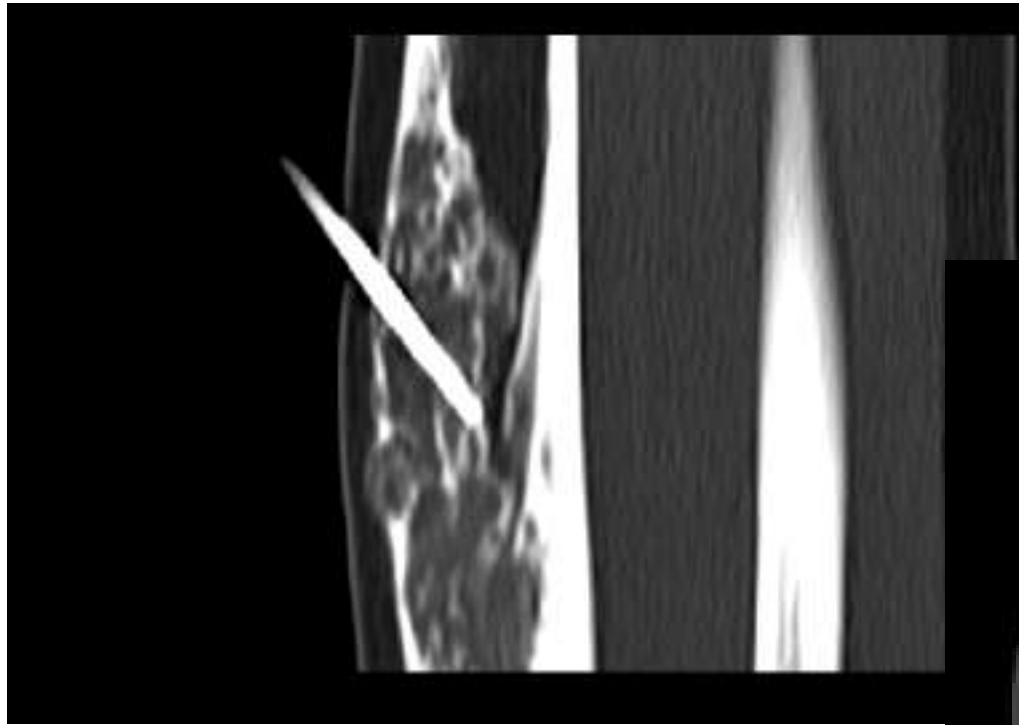




Diagnostic

- Qu' en pensez vous?
- CAT?

BIOPSIE PERCUTANEE



ANATOMOPATHOLOGIE

- 13 carottes de 14G
- Tissu osseux lamellaire natif modifié
- Prolifération conjonctive de cellules fusiformes sans atypies
- Trame fibreuse, cellularité faible
- IHC: AC antipankératine AE1 / AE3: un amas de cellules
- DIAGNOSTIC: Ostéofibrodysplasie vs adamantinome différencié OFD-like

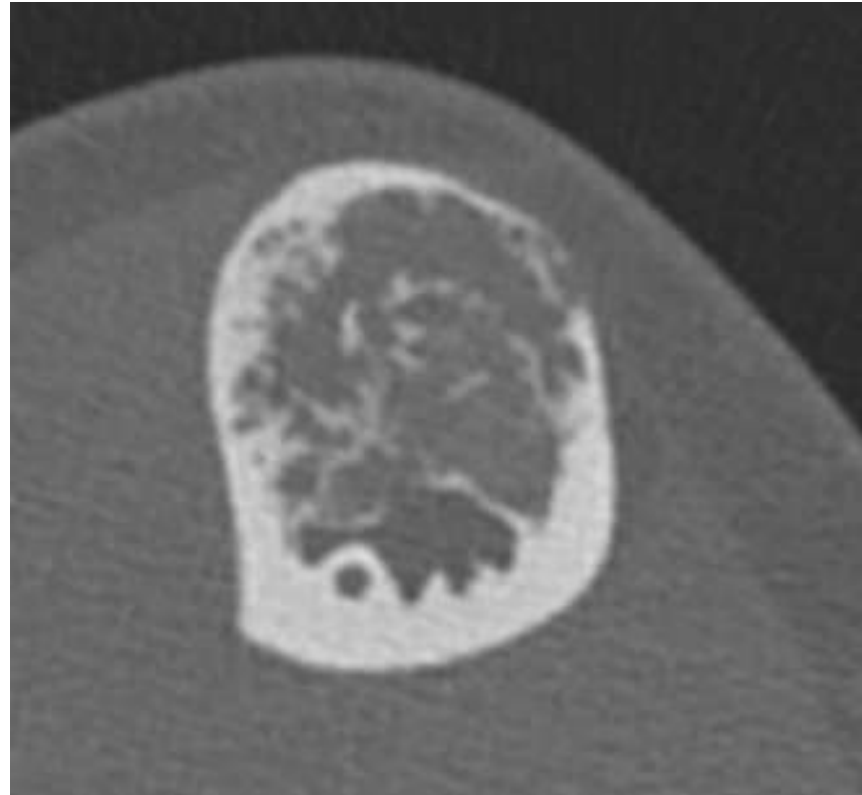
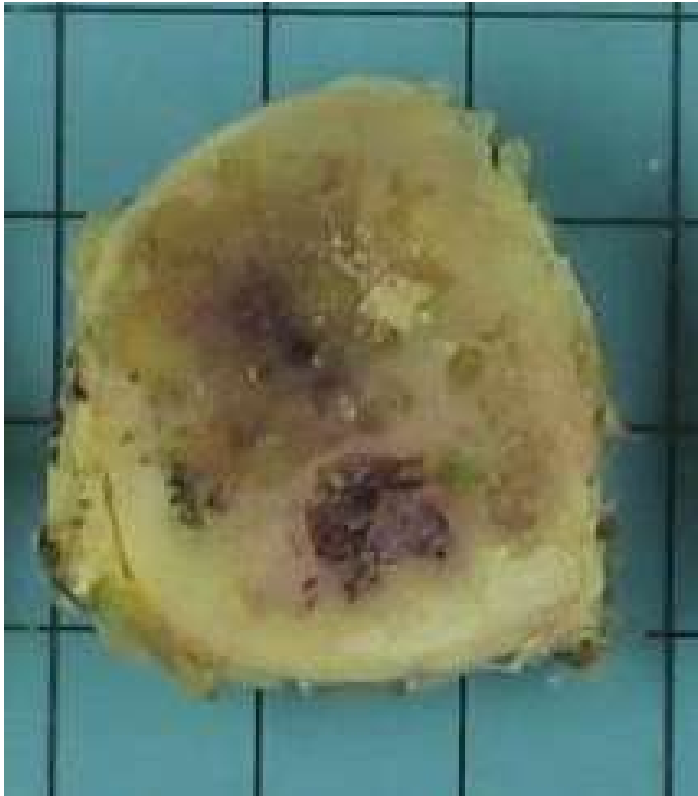
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16



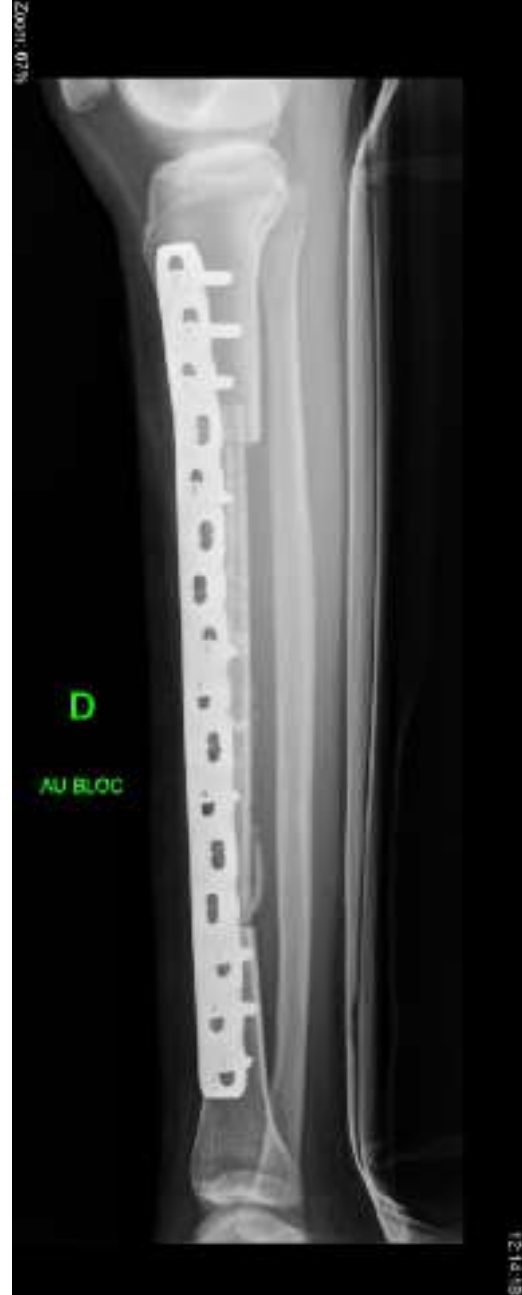
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Centre Lével-Béard
Anatomie et Cytologie Pathologiques







ANATOMOPATHOLOGIE

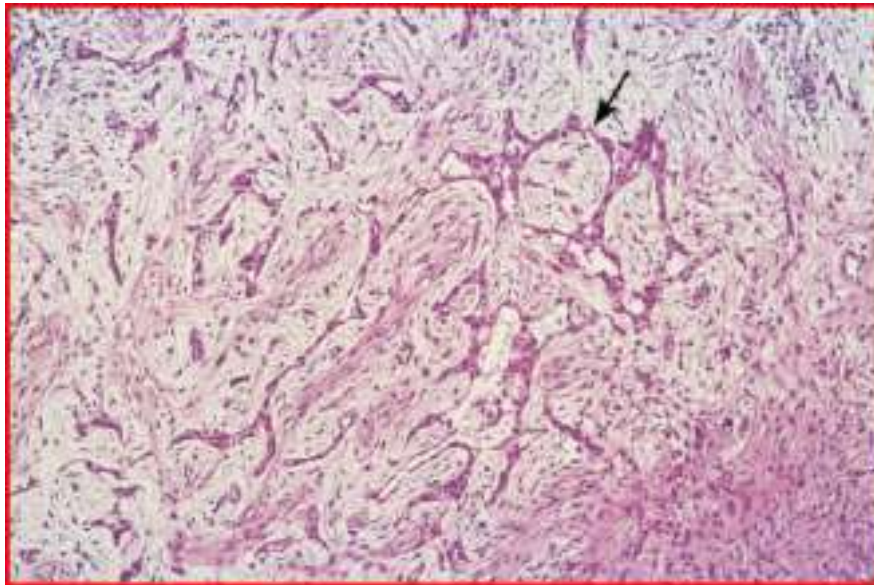
- Marquage par AC anti cytokératine de cellules isolées ou en amas surtout en périphérie.
- Adamantinome bien différencié de type ostéofibroblastique-like.

ADAMANTINOME

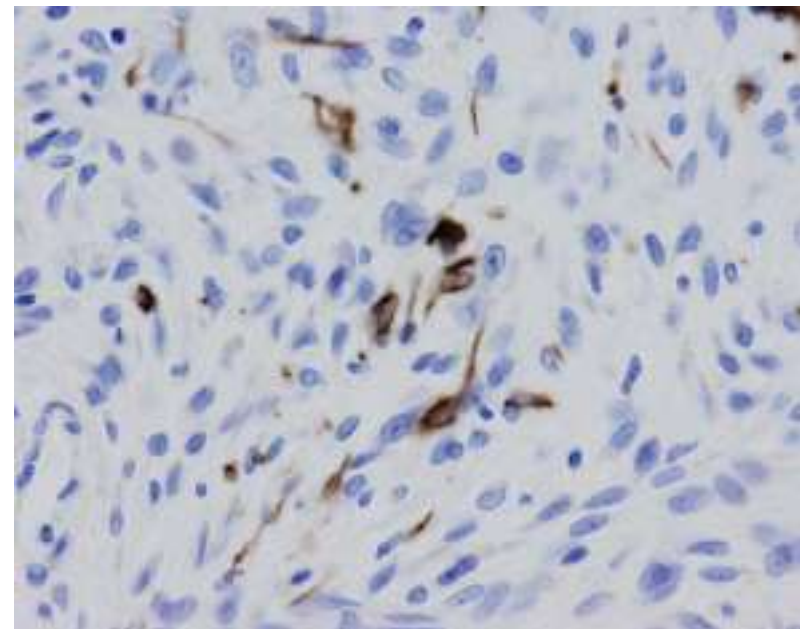
- Tumeur osseuse primitive rare: 0,1 à 0,5%
- Tumeur maligne de croissance lente
- 2^{ème} et 3^{ème} décade
- Diaphyse Tibia (80%)
- Vient du grec « adamantinos »: très dur

Histologie

- Embryogénèse: mauvais positionnement de cellules épithéliales basales.
- Cellules épithéliales dans un tissu ostéofibreux contenant des cellules allongées en proportion variable.
- Expriment cytokératine.



- Cellules épithéliales avec un marquage positive de la cytokératine - Stroma de cellules allongées



Clinique

Riek Van Rijn · Johannes Bras · Gerard Schaap ·
Henk van den Berg · Mario Maas

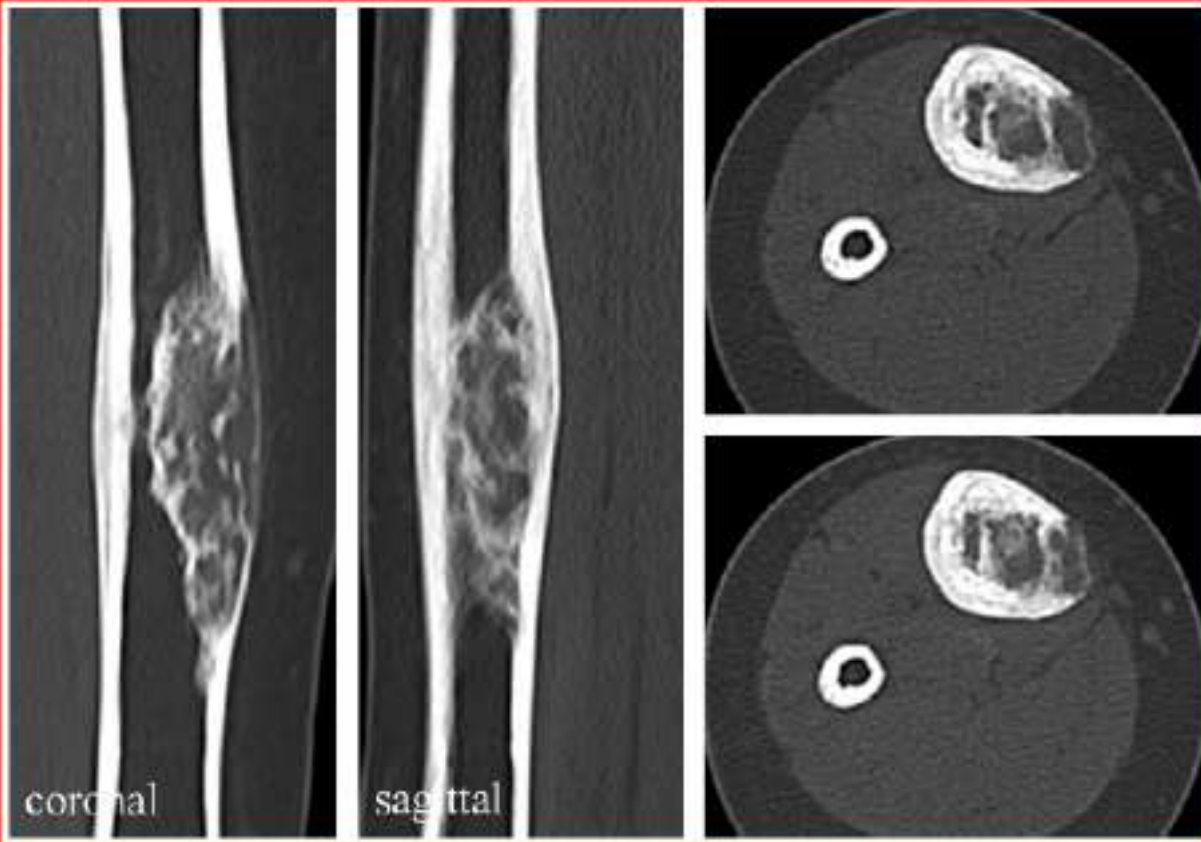
Adamantinoma in childhood: report of six cases and review of the literature

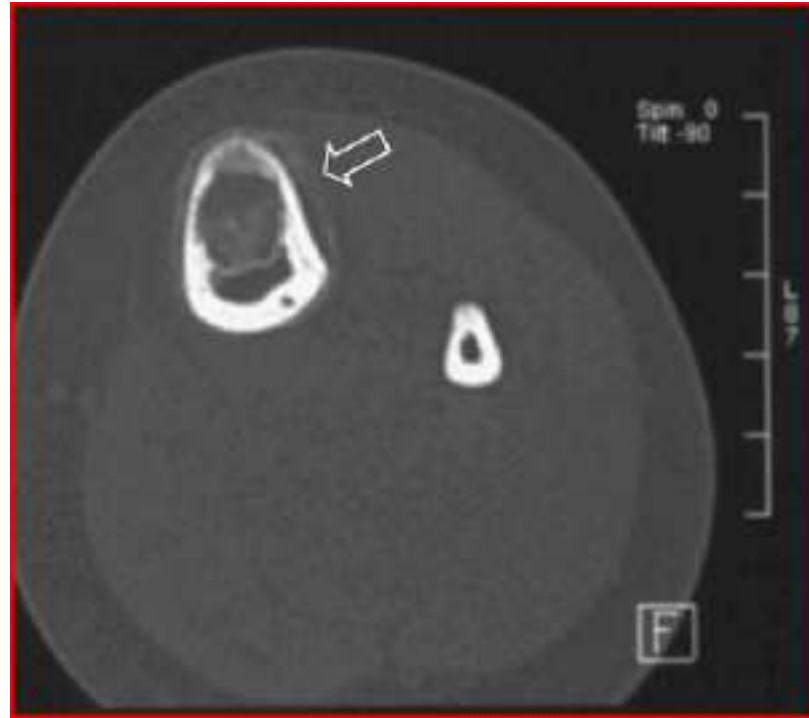
- 119 patients
- 30% traumatique
- 25% douleur
- 8% déformation sans douleur
- 10% incidentalome

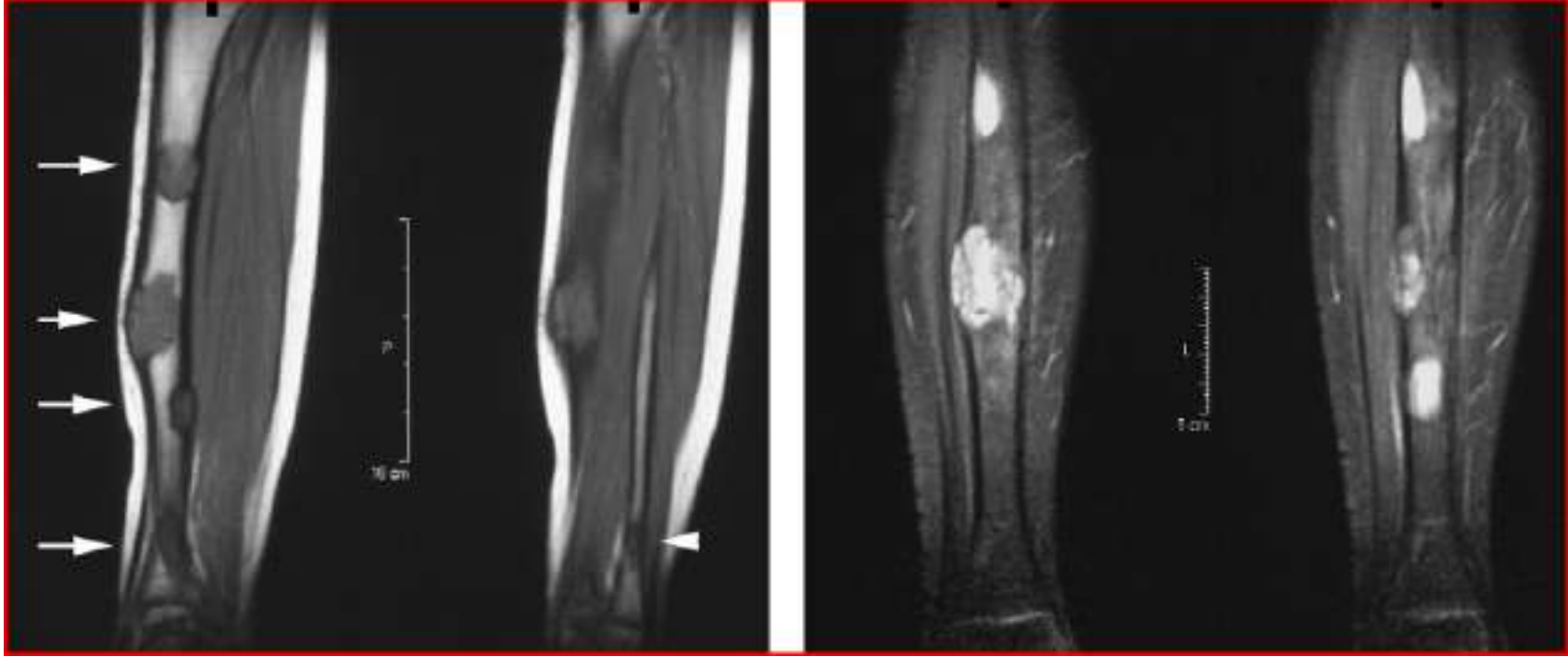
Imagerie

- Lésion ostéolytique
- Multiloculée
- Septas
- Condensation périphérique
- Excentrée
- Corticale
- Extension longitudinale
- Envahissant la médullaire







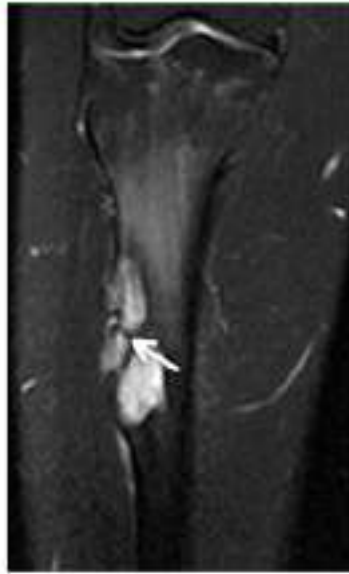


Diagnostics différentiels

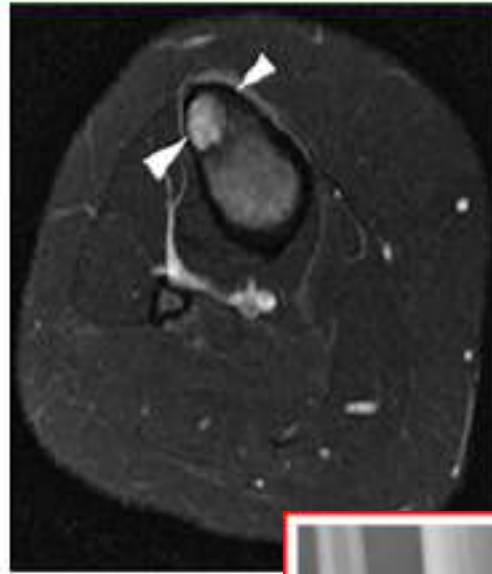
- Dysplasie Ostéofibreuse
- Dysplasie Ostéofibreuse like adamantinome



(a)



(b)



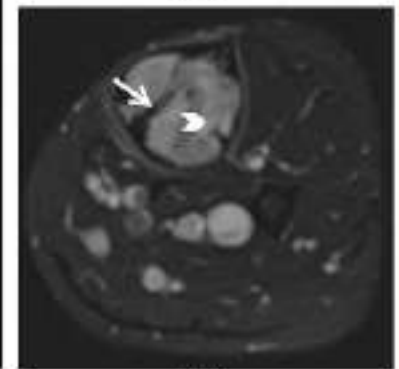
(c)



(a)



(b)



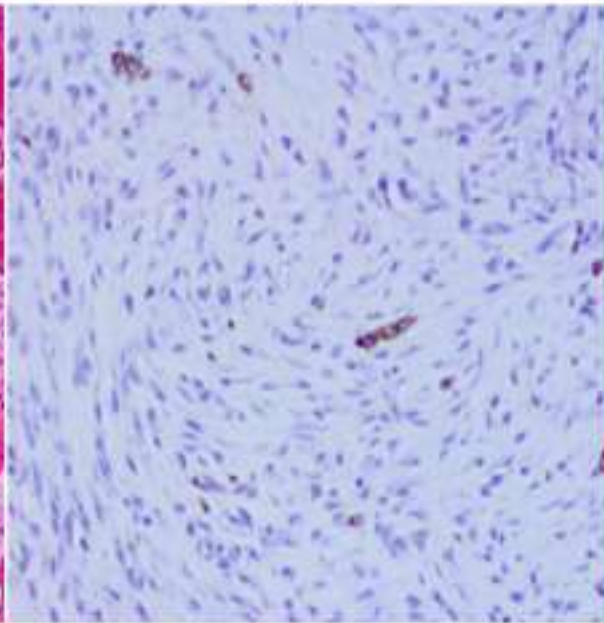
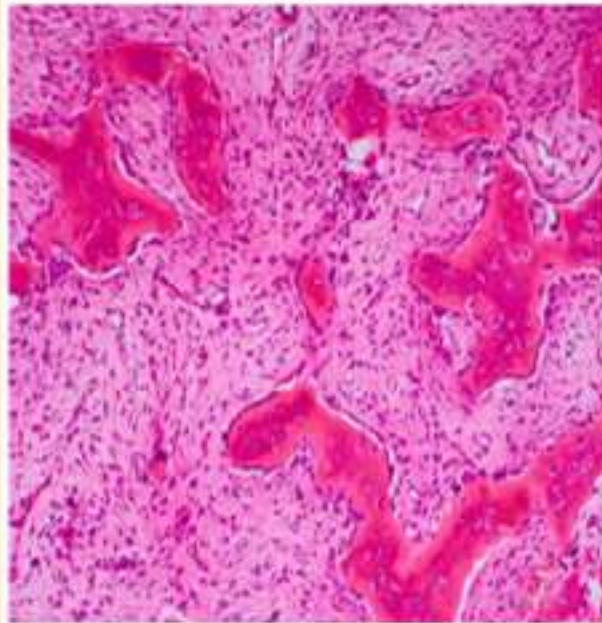
(c)



(a)



(b)



(c)

Osteofibrous dysplasia, osteofibrous dysplasia-like adamantinoma and adamantinoma: correlation of radiological imaging features with surgical histology and assessment of the use of radiology in contributing to needle biopsy diagnosis

**Monica Khanna • David Delaney •
Roberto Tirabosco • Asif Saifuddin**

Nineteen of the 24 cases had both needle biopsy and resection specimen histology available for review. Four of the 19 patients (21%) had a different needle biopsy result compared to the final surgical histology of the resected specimen. Two of these four cases were upgraded from an OFD/LA to classic adamantinoma, one from OFD to adamantinoma and one from OFD to OFD/LA. Details of

Bibliographie

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- Khanna M, Delaney D, Tirabosco R, Saifuddin A. Osteofibrous dysplasia, osteofibrous dysplasia-like adamantinoma and adamantinoma: correlation of radiological imaging features with surgical histology and assessment of the use of radiology in contributing to needle biopsy diagnosis. *Skeletal Radiol* 2008;37:1077—84
- Henk-Jan Van der Woude^{1 2}, Hans-Marten Hazelbag³, Johan L. Bloem², Antonie H. M. Taminiau⁴ and Pancras C. W. Hogendoorn³: MRI of Adamantinoma of Long Bones in Correlation with Histopathology
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