Intraarticular synovial osteochondromatosis of the elbow joint with radial nerve palsy

Gwenaël Mevel, Aymeric de Geyer, Mickaël Ropars

► To cite this version:

Gwenaël Mevel, Aymeric de Geyer, Mickaël Ropars. Intraarticular synovial osteochondromatosis of the elbow joint with radial nerve palsy. *Joint Bone Spine*, 2019, 86, pp.255 -. 10.1016/j.jbspin.2018.08.004 . hal-03486457

HAL Id: hal-03486457

<https://hal.science/hal-03486457>

Submitted on 20 Dec 2021

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Distributed under a Creative Commons Attribution - NonCommercial| 4.0 International License

Intraarticular synovial osteochondromatosis of the elbow joint with radial nerve palsy

Gwenaël Mevel^{a,b}, De Geyer^{a,b}, Mickaël Ropars^{a,b}

a Service de Chirurgie Orthopédique et Traumatologie, Centre Hospitalier Universitaire Pontchaillou, 2 Rue Henri le Guilloux, 35000 Rennes, France ;

b Université Rennes-1, Rennes, France

Address for correspondence : Mickaël Ropars,

Orthopaedics and Traumatology Unit, Pontchaillou University Hospital, 2, rue Henri Le Guilloux, 35033 Rennes Cedex, France. Tel +33 299289782. Fax +33 299289787. *E-mail address:* mickael.ropars@chu-rennes.fr

MRI A 79-years-old female patient presenting with a swollen of the lateral aspect of the elbow developed sudden distal radial nerve palsy. It showed a 24mm mass (saggital view – white star) located just behind the radial neck, include in an atrophied supinator muscle (Axial view – white arrow heads). The radial nerve was repressed (saggital view - small arrow). After microbiopsy, a diagnosis of an atypical chondroïd lesion was proposed. Surgical resection associated with synovectomy showed a 2.5cm larg synovial osteochondroma with partial ossification and chondroïd metaplasia. Synovial osteochondromatosis of the elbow associated with ulnar [1] or median [2] nerve palsies have been described but never radial palsy.

References

- ¹ Ruth RM, Groves RJ. Synovial Osteochondromatosis of the elbow presenting with ulnar nerve neuropathy. Am J Orthop 1996;25:843-4.
- ² Nogueira A, Alcelay O, Pena C, et al. Synovial osteochondromatosis at the elbow producing ulnar and median nerve palsy. Case report and review of the literature. Chir Main 1999;18:108-14.