

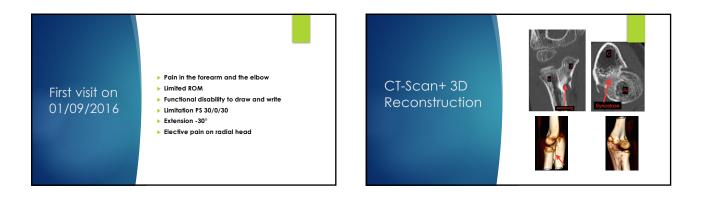
Post-traumatic synostosis of the proximal radioulnar joint: About one case and review of the litterature

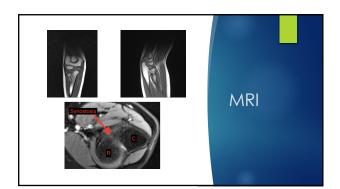
R. Acquaviva, M.Hallez, R. Elbaum CHIREC orthopaedic group Brussel,Belgium The only man who never makes mistakes is the one who does nothing.

THEODORE ROOSEVELT (1858 - 1919)

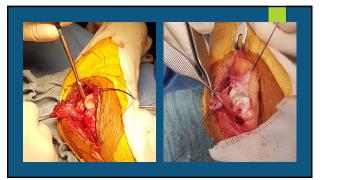


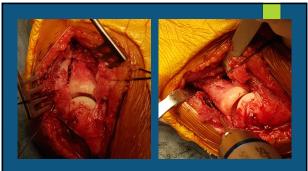






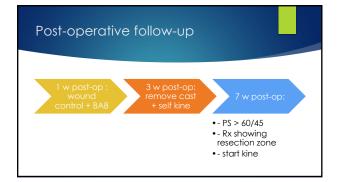
	Open surgery: Boyd Approach Resection of synostosis
Treatment	Bank fascia lata interposition
	Cast for 3 PT weeks

















6 Mo lather recurrence with partial anterior synostosis and PS limitation 20°/20°



Anterior approach (Henry)

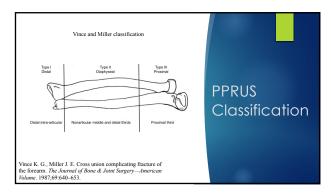


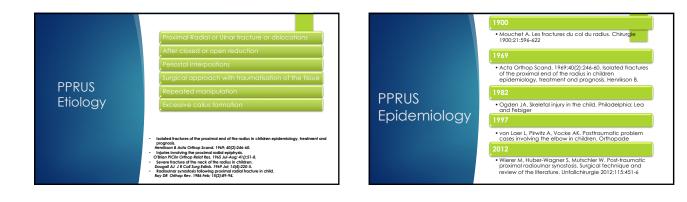
Abord antérieur du coude selon Henry avec bilurcation dans l'inteligne du coude. Mise en évidence a birachilia antériaur et dans l'inteligne du coude. Mise en évidence a birachilia vides du évidence du unet fadial qui sen laqué. Ons edige progressivemen vers l'inteligne articulare tradis-unaire proximal. Désinsetina du court supinature d'ouverture de la capacité artículare. Nite en évidence de la têtre radice. On visualte une zone protubérante au néveau de la région signalisme entel ruina el le radiu.

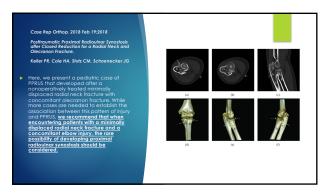


Post traumatic synostosis of proximal(PPRUS) radio ulnar joint in childhood: How to deal with it?









PPRUS Treatment

option

Proubasta IR, Lluch A. Proximal radioulnar synostosis treated by interpositional silicone attroplasty. A case report. Int Othop 1995;19:242.4 Abrams BA. Simmons BP, Brown RA, Botte MJ. Treatment of positiournalist cadoulnar synostosis with excision and low-dose radiation... J Hand Surg Am 1993;18:703-7

Roy DR. Radioulnar synostosis following proximal radial fracture in child. Orthop Rev 1986;15:89-94

Kamineni S, Maritz NG, Morrey BF. Proximal radial resection for postfraumatic radioulnar synostosis: a new technique to improve forearm rotation. J Bone Joint Surg Am 2002;84-A:745-51

Aner A, Singer M, Feldbrin Z, et al. Surgical treatment of posttraumatic radioulnar synostosis in children. J Pediatr Orthop 2002;22:598-600

Friedrich JB, Hanel DP, Chilcote H, Katolik U. The use of tensor fascia lata interposition grafts for the treatment of posttraumatic radioulnar synostosis. J Hand Surg Am 2006;31:785-93 Aktuelle Traumatol. 1986 Feb;16(1):13-6.

[Post-traumatic radio-ulnar synostoses in childhood].

Bätz W. Hofmann-v Kapherr S, Pistor G.

- radiouhar synostosis. The article presents the technique of surgical treatment of proximal radiouhar synostosis with Lyodure sheathing. Fallow-up examination showed good results in two children; a moderate result in one, and poor results of surgery in two cases. Improved results may be expected from turther improvement of the surgical method, such as resection of the bicipital tuberosity (theorealise radii) of from additional partial sheathing of the ulna at the side facing the radius.

Aust N Z J Surg. 1993 Dec Post-traumatic radio-ulnar synostosis treated by surgical excision and adjunctive radiotherapy.

Thurston AJ, Spry NA.

The management of three cases of traumatic radio-ulnar synostosis involved surgical excision of the synostotic bone followed by radiotherapy.

Irradiation was commenced on the first postoperative day and was continued daily. No acute side effects were observed. All three patients regained a good, functional range of forearm rotation with no evidence of recurrence of the synostosis after 2 years.

J Bone Joint Surg Am. 2002 May. Proximal radial resection for posttraumatic radioulnar synostosis: a new technique to improve forearm rotation.

Kamineni S, Maritz NG, Morrey BF.

- Resection of a 1-cm-thick section of the proximal part of the racial shaft provides a safe and reliable method of improving forearm rotation in patients with heterolopic ossification of the elbow. A single technical factor that seems to positively influence the result is the application of bone wax at the resection site. This simple procedure is ideally suited for patients who have a proximal radioulnar synostasis that (1) is too extensive to allow a articular surface, and (3) is associated with an anatomical deformity.

J Pediatr Orthop. 2002 Sep-Oct;22(5):598-600. Surgical treatment of posttraumatic radioulnar synostosis in children.

Aner A, Singer M, Feldbrin Z, Rzetelny V, Bar-On E.

- The authors describe two children who underwent surgical treatment of radioulnar synostosis. One case involved simple excision; the other, excision and interposition of Gore-Tex vascular graft material in a review of the literature, no other report of the latter type of surgical treatment was found. A discussion of the ilterature concerning this rare complication in children and the current surgical treatment options are included.

Conclusion

- The Posttraumatic Proximal Cross-union of the Forearm in Childhood: What is Recommended? Fehmer,
- Orthop Rev (Pavia). 2013 Jun.

Postoperative cross-unions are rarely seen in the pediatric population and there is no consensus as to treatment. Compared to the adult population, worse results in pediatric diaphyseal (Type 2) cross-unions are reported. We suggest resection within 6-24 months without necessarily an interposition technique. necessitially an interposition technique. For delayed treatment, resceinon of the radial head as salvage procedure can be performed. We advocate postoparative and therapy with NSAID noile potents and irradiation in cases of delayed theatment of cross-unions: All patients should be treated with intensive physiotherapy and continuative postoperative follow up to prevend a loss of range of motion.

Experience is the name everyone gives to his mistakes. OSCAR WILDE (1854-1900)