Osteoid osteoma: CT-guided percutaneous radiofrequency thermal ablation; a case report

M. Genty a,*, P. Ribinik b

a Centre thermal d’Yverdon, 22, avenue des Bains, 1400 Yverdon-les bains, Switzerland
b Centre hospitalier de Gonesse

*Corresponding author.
E-mail address: m.genty@cty.ch.

Keywords: Osteoid osteoma; Talus; Treatment; CT-guided percutaneous radiofrequency

Introduction.– Osteoid osteoma treatment was based for a long time upon surgical resection, with a lot of failure and complications. Observation.– A 16-year-old soccer player presented at 3 months from so-called ankle spain, pain while running, direction’s change and while ball striking. Talus palpation is painful. X-ray is normal, RMI shows osteoid osteoma. Aspirin has no efficacy. CT-guided percutaneous radiofrequency with biopsy is performed in outpatient care facility. Full weight bearing is possible within 24 hours. Pain disappears in 48 hours. The patient returns to sport within 8 days (soccer and alpine skiing). Twelve months afterwards the patient shows neither recurrence nor residual pain while returning to sport at the same level.

Discussion.– Patients experience symptoms that may delay the diagnosis and the treatment which is detrimental for an athlete. Percutaneous radiofrequency thermal ablation localizes the lesion and produces local tissue destruction by converting radiofrequency into heat. A non-exhaustive review of the literature shows that this is a quick and low iatrogenic.

Conclusion.– Percutaneous radiofrequency thermal ablation provides reliable, excellent pain relief and early return to function with minimal morbidity as compared with traditional open techniques. More invasive and expensive treatments become difficult to justify.

Further reading


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P006-e

Aseptic osteonecrosis of the lunatum (Kienbock disease) and handicap in a case report

Y. El Anbaria a,*, A. Rafaoi b, Y. Abdelfattah c, D. Cherquaoui a, F. Lmidmani d, M. Rafai b, A. Largab b, A. El Fatimi a

a Service de médecine physique et de réadaptation fonctionnelle, CHU Ibn Rochd, 1, quartier des hôpitaux, 20100 Casablanca, Morocco
b Service de traumatologie-orthopédie, CHU Ibn Rochd, Casablanca, Morocco
*Corresponding author.
E-mail address: younesmr@gmail.com.

Keywords: Kienbock disease; Functional treatment; Surgical treatment

Introduction.– Idiopathic avascular necrosis of the lunatum is a rare pathology whose pathogenesis is multifactorial with a genetic involvement, anatomical, mechanical and also metabolic. It causes functional impairment and a handicap of the hands and is complicated by carpal tunnel syndrome and arthritis of wrist.

Observation.– A 53-year-old woman, right-handed, a housewife, followed for an insulin-recurring balanced for 20 years. She then reported 12 months of the right wrist joint pain, tingling in both hands and functional impairment in activities of daily living.

On physical examination, there was pain on palpation of the lunatum, a limited wrist flexion/extension, motor and sensory deficits in the territory of the median nerve with positive provocation tests (Tinel, Phalen).

Plain radiographs of the right wrist shows necrosis of the lunatum stage IV with collapse and signs of arthritis of the wrist. The scanner of the wrist confirms diagnostic. The electromyography found a bilateral carpal tunnel syndrome greater on the right.

Neurolysis of the median nerve and wrist immobilization orthotic for 4 weeks followed by reeducation and an analgesic therapy was allowed improvement of symptoms and functional impairment.

Discussion.– Kienbock’s disease, has been known since 1843. The relative rarity of this pathology, the absence of internationally agreed upon classification and the many therapeutic methods, make it difficult to care for this disease. It often involves a young adult who has wrist pain associated or not with a limited range of motion of the wrist and above the loss of clamping force with pain around the lunatum. Plain radiographs of the wrist may be normal at the beginning stage. In cases of diagnostic doubt, we must practice an MRI or scanner.

The choice of the functional treatment or surgery depends on several factors including the patient’s age and his profession, the side attained, the stage of disease, the existence of unequal length of the two bones in the arm or wrist arthrosis.

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P007-e

A rare cause of carpal tunnel syndrome: Intramuscular haemangioma of the forearm about one case

Y. El Anbari a,*, A. Rafaoi b, D. Cherquaoui a, Y. Abdelfattah c, F. Lmidmani d, S. Finini e, A. Largab b, A. El Fatimi a

a Service de médecine physique et de réadaptation fonctionnelle, CHU Ibn Rochd, 1, quartier des hôpitaux, 20100 Casablanca, Morocco
b Service de traumatologie-orthopédie, CHU Ibn Rochd, Casablanca, Morocco
*Corresponding author.
E-mail address: younesmr@gmail.com.

Keywords: Carpal tunnel syndrome; Haemangioma intramuscular of the forearm

Introduction.– The carpal tunnel syndrome includes all signs secondary to compression or irritation of the median nerve in a tunnel inextensible. The idiopathic etiology remains the most common and CTS revealed the existence of an intramuscular haemangioma of the forearm is exceptional. The purpose of this observation is to remind the possibility of extracanalar etiologies, including tumor, in the genesis of a CTS.

Observation.– This is a worker of 34 years, sent to the service for rehabilitation after surgical resection of a tumor of the forearm responsible for typical