

## PP07

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### **Carpal tunnel syndrome and mucopolysaccharidosis**

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Carpal Tunnel Syndrome (CTS) is rarely seen in the childhood, but its incidence increases in specific diseases, such as Mucopolysaccharidosis (MPS). The authors present seven patients with CTS, associated with MPS. All patients had bilateral compression of the median nerve and pain and sensitive paresthesia were the most important complaint. All patients were in Enzyme Replacement Therapy (ERT).

The median age at surgery was 4,7 years, the mean follow up time was 14 months and all patients were in TRE as less one year before the surgery.

We established modify evaluation scale, with a single classification, that involves neurophysiologic, clinical and radiologic studies, that classified and prognosis each patient, pre and post surgery.

The conclusions were that the bilateral decompression of the median nerve was the best surgical decision, clinical improvement had more importance to influence the evaluation scale than neurophysiologic studies and TRE not interfere in the natural evolution of CTS in the MPS.