

# Case Report

## ***Medial Sural Nerve Entrapment Neuropathy***

### **abstract**

*Chronic calf pain may have various etiologies including stress fracture, chronic compartment syndrome, accessory soleus muscle, and muscle sprains. An uncommon cause of chronic calf pain is entrapment neuropathy. Because entrapment neuropathies are uncommon, they are often underdiagnosed. A 15-year-old adolescent developed progressive calf pain 10 months before his presentation. Physical examination and paraclinical studies revealed no abnormality and electrodiagnostic study was reported as normal. 2 months nonoperative the superficial sural aponeurosis treatment and one surgical intervention were failed.*

*Reexamination was revealed positive Tinel's sign and paresthesia in distribution of the sural nerve. Surgical exploration revealed entrapment of the medial sural cutaneous nerve localized in the passage of the nerve resulted in complete resolution of symptoms and full recovery. Several location for entrapment of the sural nerve were reported, but we couldn't find any report in english language literature about sural nerve entrapment in the superficial sural aponeurosis in no athletics.*

**key words:** Chronic calf pain / Nerve entrapment / medial sural cutaneous nerve.

### **Farzan M (M.D.)**

Associate prof. of Tehran  
University of Medical Sciences

### **Mortazavi M.J. (B.Sc.)**

Assist prof. of Tehran  
University of Medical Sciences