

Carpal Tunnel Syndrome (CTS) is the most common entrapment neuropathy in the upper extremity. The median nerve is compressed within its course through the carpal Tunnel just distal to the wrist crease.

Usually Occur in middle aged patients Ratio of female to male = 4: 1. It is bilateral in over 50 % of cases, but is usually worse in the dominant hand. Early diagnosis and treatment are important and result in complete cure, delay can result in irreversible median nerve damage Every patient with carpal tunnel syndrome should be carefully and individually evaluated clinically for proper diagnosis before surgery and thorough search for any associated condition that mimic carpal tunnel syndrome and may be responsible for postoperative complaints. Frequently use postoperative nerve conduction studies for prognostic purposes and to serve as a baseline in determine the postoperative state of median nerve.

A patient with any numbness or tingling in the fingers or with any weakness or atrophy of the thenar muscles must be considered as having carpal tunnel syndrome, unless proves otherwise.