

## **Carpal Tunnel Syndrome**

### **What is carpal tunnel syndrome?**

Carpal tunnel syndrome is a common, painful disorder of the wrist and hand. It happens when the median nerve, which runs through the wrist, gets squeezed under a band of tissue called a ligament. This causes pain and other symptoms along the nerve (see drawing).

### **What causes it?**

Anything that increases pressure on the median nerve can cause carpal tunnel syndrome. Sometimes pregnancy and health conditions like arthritis and diabetes can increase the pressure. People who use their hands and wrists repeatedly in the same way (for example, typists, carpenters, and cashiers) are more likely to get carpal tunnel syndrome.

### **What are the symptoms?**

Carpal tunnel syndrome may cause pain, numbness, or tingling in your wrist and hand, mostly in the middle finger, index finger, and thumb. The symptoms are usually worse at night and when you use your wrists and hands a lot. You may notice that over time your grip gets weaker and you tend to drop heavy objects.

### **How is it diagnosed?**

Talk to your doctor if you are having these symptoms. He or she will ask questions about the ways you use your hands and about specific symptoms in each part of your hand and wrist. He or she may also test how your nerves and muscles respond to electrical stimulation.

### **How is it treated?**

If you have a disease or condition that is causing carpal tunnel syndrome, treatment may improve your symptoms. Not repeating the same hand activities over and over, doing hand and wrist exercises, and wearing a wrist splint may also help. Your doctor may prescribe medicine to reduce wrist swelling or recommend a shot into your wrist. If these treatments don't help, surgery may be an option.