Foot Drop and the Common Peroneal Nerve

YOUR COMPLAINTS ARE

- Cannot lift up your foot or your toes, so your foot drags.
- Numbness or buzzing from your knee to the top of your toes.
- You feel like your leg is going to "give out" on you.
- The top of your foot hurts, or your big toe does not lift up.

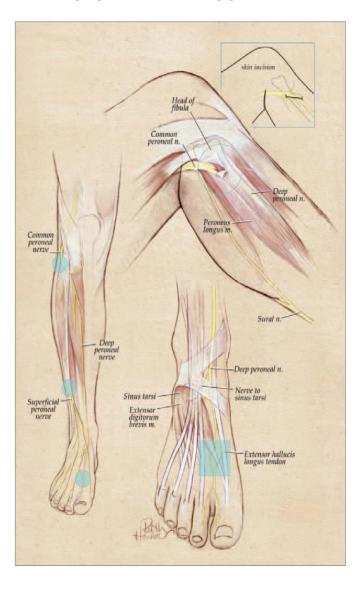
If the bottom of your foot bothers you as well, you may also have Tarsel Tunnel Syndrome, or Neuropathy.

WHAT CAUSES YOUR COMPLAINTS?

A nerve the thickness of a pen, the *Common Peroneal Nerve*, crosses from behind your knee, around the outside of your knee, to enter the muscles of the outside of your leg. This nerve gets compressed between the white covering of the muscles and the underlying bone, the fibula, in what is called the *fibular tunnel*.

If your leg is stretched, your ankle twisted, or your knee injured, the common peroneal nerve can be compressed.

WHAT DOES THE NERVE LOOK LIKE?



TREATMENT WITHOUT SURGERY

There is not a specific treatment to help if this nerve is injured. The common peroneal nerve often recovers function on its own within three months after an injury.

If you have foot drop, you should wear a splint called an AFO DEVICE, to hold your foot in position and prevent heel cord contracture.

WHEN SHOULD I HAVE SURGERY?

If the symptoms continue past three months, it means the injury is serious: *the nerve is likely compressed.*

You probably had electrodiagnostic testing once or twice. If this test showed twice in a row that the muscles lost nerve supply, then you need to have surgery.

If neurosensory testing with the Pressure-Specified Sensory Device $^{\mathsf{TM}}$ does not show that the nerve is regenerating, then surgery is needed.

Even if surgery cannot permit the nerve to make the muscles work again, the foot can be placed into a better functional position by either a tendon transfer or an ankle fusion. Usually the sensory symptoms can be improved.

WHAT ARE THE RISKS OF SURGERY?

The published outcomes of the Dellon-approach to the treatment of the common peroneal nerve compression offer the best chance of success for relief of your symptoms. There are risks associated with every surgical procedure, such as the risk of anesthesia, bleeding, and infection.

Complications unique to decompression of the common peroneal nerve are:

- Temporary weakness of the muscles that lift the foot/toes.
- Increased buzzing or tingling from the knee to the toes.
- A painful scar due to entrapment of a small cutaneous nerve in the incision.
- Another site of entrapment, the lower leg (superficial peroneal), or top of the foot (deep peroneal) may require a second surgery to decompress the nerve at that location, too.



Surgeons from the *Dellon Institutes for Peripheral Nerve Surgery* ® have the most advanced training and experience doing this surgery, which offers you the best chance for success.



Tucson Neuropathy Institute Specializing in Pain Relief for the Legs & Feet

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