

How long does this treatment last?

Most patients get 3-4 months of relief from the injections. The injections are then repeated. A small number of patients can develop antibodies to the medication. If this happens, the patient is usually switched from BoTox to MyoBloc or vice-versa.

Tell your doctor if you notice that the treatment is becoming less effective with repeated injections.

CHEMODENERVATION

*Severe chronic muscle pain
and tightness can be
controlled with
Chemodenervation*

Brochures used by permission for educational
purposes only courtesy of
THE CENTENO-SCHULTZ CLINIC

11080 Circle Point Road
Building 2, Suite 140
Westminster, CO 80020

P: 303-429-6448

F: 303-429-6373

www.centenoclinic.com
info@centenoclinic.com



<http://Spinalinjuryfoundation.org>

CHRONICALLY TIGHT AND PAINFUL MUSCLES CAN BE CAUSED BY ABNORMAL NERVE INPUT...

The nerves tell the muscles when to contract and when to relax. Sometimes the nerve's ability to talk to the muscle is altered. This can lead to chronically tight and sore muscles. This is called dystonia. Chemodenervation can help this condition.

HOW CAN THIS PROCEDURE HELP?

Chemodenervation involves injecting a small amount of nerve blocking agent in areas of the muscle that are in spasm and causing pain. The medicine allows the nerve and muscle to communicate again. Rather than hearing a dull roar from the nerve, the muscle can now hear the commands to contract and relax.

HOW IS THE PROCEDURE PERFORMED?

A pain specialist will identify the problem areas. A small amount of medicine will be mixed and injected into these spastic areas in the muscle. Sometimes, a special machine will be used to find where the nerve and muscle meet. However, oftentimes, the injections are done without this machine.

Dystonia is the term used to describe muscles that are in chronic spasm...

WHAT SHOULD I EXPECT AFTER THE PROCEDURE?



You may be sore for a few days where the medicine was injected. The medicine takes 3-7 days to fully take effect. When it does, you should feel a gradual loosening in the area. Other areas may need to be injected to get maximum results.

You can help your doctor by finding areas that are tight and restricting movement or causing pain. The more specific you can be, the better your physician will be able to treat your problem.

WHAT ARE THE SIDE EFFECTS?

Most patients have very few side effects. The most common is dry mouth. It is possible to experience muscle weakness, but with the doses used to treat chronic muscle pain, this is very uncommon.

DOES INSURANCE COVER THIS PROCEDURE?

Yes, most insurance plans have coverage for chemodenervation. If you have an HMO plan, you may need to get additional authorization from your family doctor. **Since the medicine used is expensive, please make sure that you have proper authorization before the procedure.**

WHAT TYPES OF MEDICINES ARE USED?

BoTox and MyoBloc are the two most common medicines used. Both of these medications are derived from Botulinum. They are purified forms of naturally occurring proteins. They work by reducing excessive nerve transmission to the muscle, thus reducing spasm. They last for 3-4 months. In low doses, like those used for pain, they relax the muscle. In higher doses, they can also be used to weaken a muscle that is overactive.