

Botox (Botulinum Toxin)

And The Cosmetic Indications of Botox

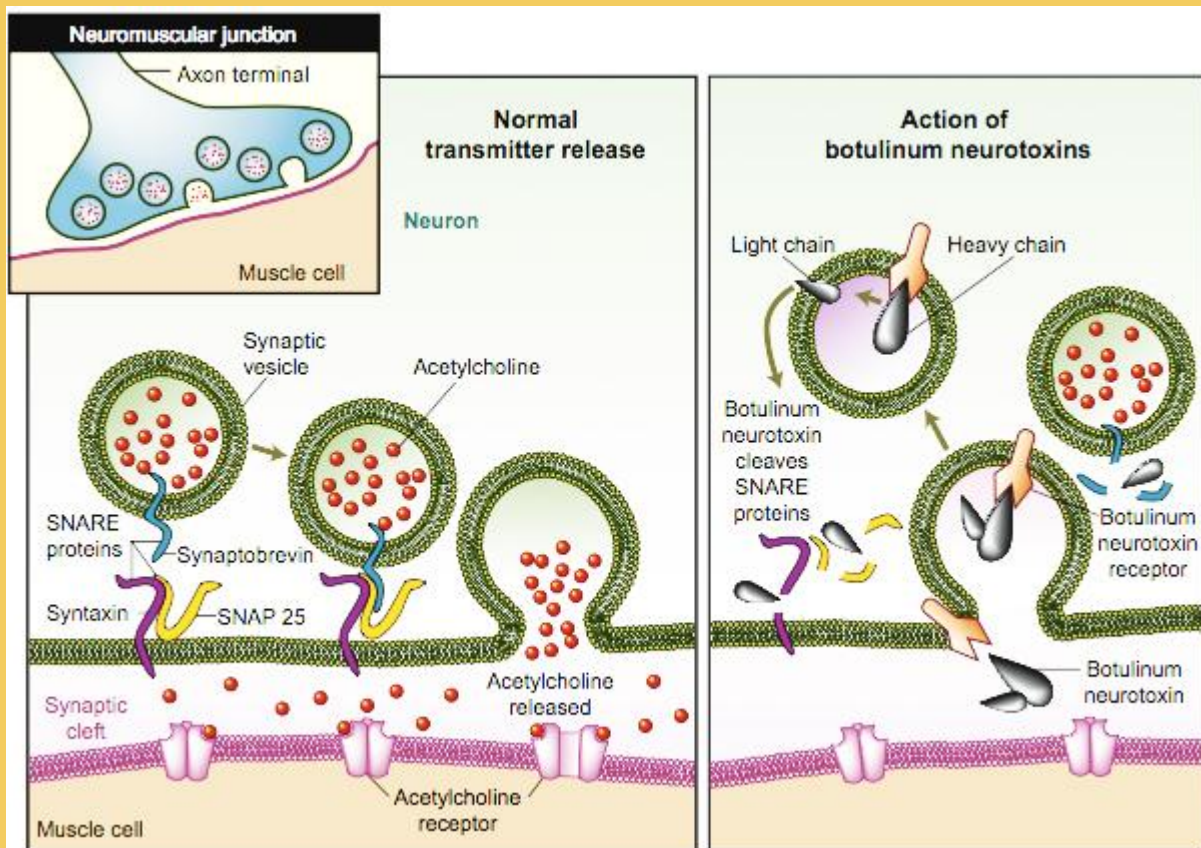
Botox (Botulinum Toxin)

Botulinum toxin, when used with local injection, has demonstrated to produce powerful results in the treatment of increased tonicity in both skeletal and smooth muscle as well as illness that may be presented with increased secretion from glands.

From procedures that can be carried out in local cosmetic dentistry practices such as Estetica Botox Surrey, after local injection, the Botulinum Toxin helps to lessen muscle tone competently for a few months and diminishes secretion from sweat, lacrimal and salivary glands.

The following four Botulinum toxins are available in EU and UK countries

- Botox (Serotype A-Toxin)
- Dysport (Serotype A-Toxin)
- Xeomin (Serotype A-Toxin)
- Neurobloc (Serotype B-Toxin)



[Dikerson & Janda 2006]

What is M.U.?

For determination of the dosage the biological activity of the Serotype is determining factor. This is Determined using a mouse lethal assay and is designated in biological

units (so-called mouse units : MU) One MU corresponds to the amount of toxin needed to kill half of population of treated mice injected intraperitoneally with toxin.

Botox

For clinical indication of hemifacial spasm, blepharospasm, idiopathic rotary cervical dystonia(spasmodic torticollis), focal spasticity in connection with dynamic toe drop (pes equines) with patients presenting with infantile spastic paralysis (little's disease, who are two year of age or older.)

In addition it is indicated in clinical manifestation of intense progressive primary hyperhidrosis of axilla where patients are severely hampered in their daily routine and cannot be adequately controlled by topical treatments.

Conditions & Treatments

Dystonia

The treatment of focal Dystonia is strongly recommended being supported by convincing evidence. The dystonias belonging to this group are:

- Oro-mandibular or lingual dystonia
- Laryngeal Dystonia
- Limb dystonia of leg /foot and arm /hand specifically task oriented movements
- Trunk dystonia

Spastic

In analogy to its proven efficacy in the treatment of arm and hand spasticity as a result of stroke or pes equines following infantile spastic paralysis the positive effect of botulinum toxin in the treatment of arm and hand spasticity of different origins as well as leg spastic not connected with infantile spastic paralysis can be assumed .

Other causes for these maladies include cranial trauma encephalitis (multiple sclerosis) brain tumor or injury and illness of brain and spinal cord .

Hyperactivity of Detrusor Muscle(Muscle of Bladder)

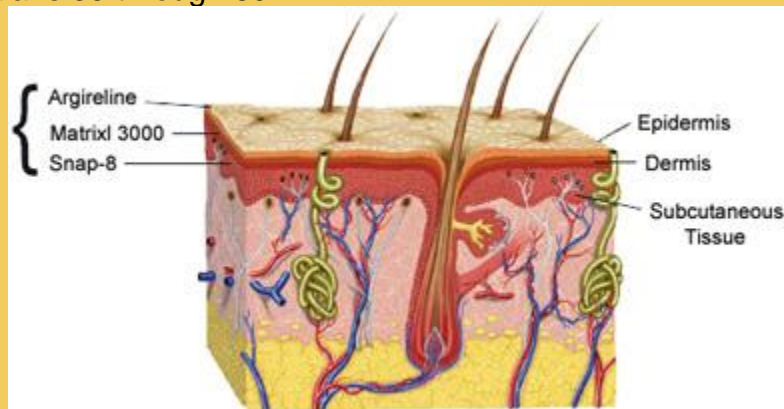
Botulinum toxin has been proven and tested in two clinical indications in urology: in increased sphincter contraction or detrusor sphincter dyssynergia and in hyperactive bladder.

Treatment with botulinum toxin is increased sphincter activity is employed when conventional therapy has proven ineffective and before an operative sphinctertomy is avoidable Sphinctertomy can lead to irreversible injury of the sphincter muscle and to eventual incontinence

Treatment of hyperactive bladder belongs to the domain of anticholinergic medication .In many cases these drugs are inadequate and can lead to undesirable side effects .In these cases injection of botulinum toxin into the detrusor muscle is recommended for successful therapy

Cosmetic Indications of Botox

Botox and Dysport smooth wrinkles that are caused by nerves and muscles under the skin. Nerve cells release a chemical (acetylcholine) that contracts the muscle of the face. Over time this repeated contraction causes "expression lines", also called wrinkles. Injections of Botox or Dysport interrupt the release of acetylcholine, and these stop those areas from contracting into expression lines and wrinkles. The age of the typical Surrey patient spans 35 through 60.



Botox usually reduces wrinkles by 80% -- that's quite a lot. Results of treatments are temporary, so plan for additional injections. Dr Salimi at Estetica Botox provider in Surrey will help you tailor a plan to your specific long-term goals. The treatment is performed in our Surrey Clinic usually without any anesthesia, but a topical numbing cream is often used. Patients experience relatively minor discomfort from the injections which last from a few minutes to about 20 minutes for an extensive treatment. Patients are free to drive home shortly after the procedure is completed.

After one full treatment, the effects are fully visible in 7 days, and the effect lingers for a minimum of three months and typically up to five months. Results do vary from patient to patient. Also, after repeated treatments, the effect tends to be sustained even longer.

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