



## Botulinum Toxin Injections (Botox, Dysport, Xeomin)

### *Procedure*

Injection of Botulinum toxin into the muscle will relax the appearance of the frown lines, forehead lines, crow's feet, bunny lines, puppet lines, and neck bands or cords. Botulinum toxin is most effective at treating dynamic facial lines, those caused by facial muscle activity. When a small amount of purified Botulinum toxin is injected into a muscle it causes relaxation of that muscle. This appears within 5-7 days of the injection and usually lasts for three months on average.

### *Before your appointment:*

- Avoid blood thinners for 10-14 days before treatment (NSAIDs, aspirin, fish oil) to reduce risk of bruising

### *Results and Postoperative Care*

- You will not be able to create these wrinkles while the injection is effective, however, this will reverse itself after a period of months, at which time re-treatment is appropriate.
- You must stay in erect posture and not manipulate the area of the injection for 4-6 hours post-injection period.
- It may take up to 10-14 days to attain the full effect from the botulinum toxin injections.
- Do not fly by airplane for 24 hours following your treatment.

### *Risks and Complications*

- Common risks/side effects include transient headache, redness at injection site, bruising, and a heavy feeling along the eyebrows/eyelids.
- Other risks and complications specific to botulinum toxin injections include double vision, asymmetry, and inadequate response to treatment.
- Botulinum toxin treatment for frown lines (between the eyebrows) may cause minor drooping of the eyelids in approximately 2% of injections.
- Patients on aminoglycosides, penicillamine, quinine, and calcium channel blockers may experience stronger effects of Botox