

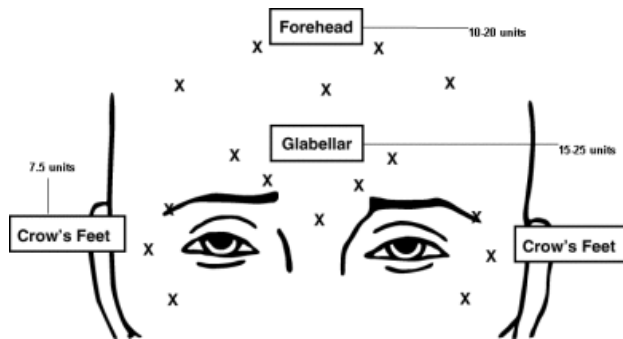
Muscle Relaxation Injection for wrinkles [Botox®]

Wrinkle Relaxing Injections, (known as **Botox®**) removes laughter lines, crows feet and facial creases, administered effectively and safely by using a very fine needle

The signs of ageing are erased by relaxing the dynamic facial muscles that are responsible for facial wrinkles, smoothing out the skin giving a softer and more youthful appearance. The main areas treated are the frown, eye and forehead. After a few injections you can carry on your normal day Botox® (Botulinum toxin type A) injections are now the UK's no 1 treatment for facial lines and wrinkles simply because it really does remove the telltale signs of ageing.

Muscle Relaxation Injection for Wrinkles

It can be injected to the following sites:



The main action is to selectively paralyze the muscles which cause wrinkles by excessive contraction. The toxin can be injected into specific muscles to temporarily relax them resulting in an inability to wrinkle the skin overlying the treated muscle. **The toxin is only helpful for dynamic wrinkles, also known as "wrinkles in motion."**

It is not as effective on static wrinkles, "wrinkles at rest," but prolonged use of botulinum toxin may help prevent wrinkles in motion from becoming wrinkles at rest.

The Procedure for Botox Injection

The treatment is a simple, 10-minute, non-surgical process. A few tiny injections, and within days there can be a noticeable improvement in the moderate to severe frown lines between the

brows that can last up to 4 months. Results may vary. And there's no recovery time. You can even do it on your lunch break.

1. Your doctor will administer several tiny injections of Cosmetic muscle relaxation injection directly into the muscles that cause those moderate to severe frown lines between the brows.
2. Your doctor will determine where to administer the injections by examining your ability to move certain muscles in your brow area. The location, size, and use of the muscles that create a furrowed brow vary markedly among individuals.
3. Discomfort is usually minimal and brief.
4. You can expect to be in and out of the physician's office without downtime.
5. Improvement may continue for as long as a month, and could last up to 4 months.

Procedure Length The injection itself takes a few minutes. The doctor uses a special syringe and injects a small amount of botox to the muscles involved. **Men** usually require larger amount due to larger muscles.

The effect takes place after a day or two and reaches its maximal effect after 10 days. **Duration effect** The duration of the effect is usually **3 month** for full effect and **8 month for partial effect**. Longer action causes muscle fibers to degenerate therefore it is recommended to repeat the treatment after 3-4 month.

Risks The treatment proved to be relatively safe.

Precautions include: know allergy to botox or albumin, muscle weakness, use of aminoglycoside antibiotics, pregnancy or breastfeeding.

Common side effects include: bleeding around the injection sites, headache, flu like symptoms and local pain. Another unwanted effect is paralysis of adjacent muscles which may cause eyelid drop (usually partial), double vision and difficulty swallowing.

Safety The American Society for Aesthetic Plastic Surgery (ASAPS) estimates that almost 3.3 million treatments using wrinkle reducing treatments were performed in 2005.

Efficacy In clinical trials, nearly 90% of men and women surveyed rated the improvement in the appearance of frown lines between their brows as moderate to better 1 month after treatment. Results vary. Results can last for up to 4 months, and may vary.

Juvederm®

What is Juvederm? Juvederm is a gel implant that includes hyaluronic acid, a natural complex sugar that bolsters skin elasticity, providing a smooth and supple appearance. It is biocompatible, supplementing the body's natural hyaluronic acid, which age has depleted.

How Does Juvederm Work? The transparent Juvederm gel is injected with a syringe into the mid- to deep dermis of your face. The dermis is the subsurface skin layer that contains connective tissue, nerve endings, sweat and oil glands, and blood vessels.

Juvederm improves your appearance by lifting and adding volume to the wrinkles and folds in the treatment area. After six to nine months, the biocompatible compound is naturally absorbed into the body

Radiesse®

Radiesse® is an injectable filler for moderate to severe facial wrinkles and folds. It lasts longer than fillers such as Restylane, and is a particularly good treatment for correcting nasolabial folds (the lines that extend from the corner of your nose to the corner of your mouth).

Radiesse® is different to fillers such as Restylane as it works with your body stimulating collagen production and encouraging tissue regeneration just below the skin's surface. It does more than just temporarily fill-in facial lines and wrinkles - it rebuilds your skin's foundation.

It is made of very small, smooth **calcium hydroxylapatite (CaHA) microspheres, suspended in a water-based gel carrier**. As Radiesse® is injected, the gel and Radiesse® microspheres form a "scaffold", stimulating collagen production and encouraging tissue growth in and around the injection area. This "partnership" between Radiesse® and your own body creates a natural look, comprised of your own tissue and Radiesse® microspheres.

Over time (usually around 6 weeks), your body absorbs the gel carrier while collagen has started to grow and infiltrate the area, replacing the gel with your own, natural tissue. The Radiesse® microspheres continue to provide the support and structure for your body to grow new tissue and collagen until the microspheres are also safely and naturally absorbed into your body.

Botox	£
Juvederm	£
Radiesse	£

Wrinkle Treatment

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Advanced Botox® Skin Rejuvenation, Wrinkle Treatment and Facial Skin Tightening

Skin Rejuvenation and Wrinkle Treatment

IMPORTANT:

Before any intervention, a thorough facial analysis must be undertaken in order to promulgate an appropriate treatment plan:

Glogau developed the traditional rhytide/photoaging classification scheme that is used most often today.

1. **Mild** (age 28-35 years) - Little wrinkles, no keratosis, requires little or no makeup for coverage
2. **Moderate** (age 35-50 years) - Early wrinkling, sallow complexion with early actinic keratosis, requires little makeup
3. **Advanced** (age 50-60 years) - Persistent wrinkling, discoloration of the skin with telangiectasias and actinic keratosis, always wears makeup
4. **Severe** (age 65-70 years) - Severe wrinkling, photoaging, gravitational and dynamic forces affecting skin, actinic keratosis with or without cancer, wears makeup with poor coverag.

The doctor will ascertain the patient's expectations and render a critical and honest judgment as to whether these technologies can deliver the expected results.

If the answer is no, or if the expectations are unrealistic, treatment will be deferred and other modalities considered, if applicable. Careful pretreatment analysis is an indisputable necessity in the evaluation and treatment of facial rhytidosis.

Wrinkle treatments include:

- **Laser, IPL and radio frequency treatments:** lasers (nonablative lasers), pulsed light sources and radio frequency devices don't injure the epidermis. These treatments heat the dermis and cause new collagen and elastin formation. After several treatments, skin feels firmer and appears refreshed. This means shorter recovery times, but treatment typically needs to be repeated more often and results are subtle.
- **Botulinum toxin type A (Botox):** When injected in small doses into specific muscles, Botox blocks the chemical signals that cause muscles to contract. When the muscles can't tighten, the skin flattens and appears smoother and less wrinkled. Botox works well on frown lines between the eyebrows and across the forehead, and crow's-feet at the corners of the eyes. Results typically last about three to four months. Repeat injections are needed to maintain results.
- **Soft tissue dermal fillers.** Soft tissue fillers, which include collagen and hyaluronic acid (**Radiesse, Juvederm**), can be injected into deeper wrinkles on your face. They plump and smooth out wrinkles and furrows and give the skin more volume. You may experience temporary swelling, redness and bruising in the treated area. The procedure may need to be repeated every few months.
- **Chemical peel.** Your doctor applies an acid to the affected areas, which burns the outer layer of your skin. With medium-depth peels, the entire epidermis and a small portion of the dermis are removed. New skin forms to take its place. The new skin is usually smoother and less wrinkled than your old skin.
- **Microdermabrasion:** It's done using a vacuum suction over your face while aluminum oxide crystals essentially sandblast your skin. Only a fine layer of skin is removed.

Keep in mind results vary depending on the location of the wrinkles and how deep the wrinkles are. Plus, nothing stops the aging process of skin, so you'll likely need the treatments repeated to maintain benefits.