F090: Botulinum Toxin Applications: Past, Present, and Future

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Future of Toxins

Currently, the most popular use of botulinum toxin A (BoNT-A) in dermatology is in the aesthetic field. The three main products available for clinical use worldwide still are onabotulinumtoxin A, abobotulinumtoxin A, and incobotulinumtoxin A, although research on new products keep searching new formulations.

Liquid botulinum toxins (BT), new forms of product administration as well as other serotypes are being studied and might be on the market in the near future, such as the serotype E, with a known shorter duration. The addition of other products/actives to the formulation has also been proposed as epinephrine (adrenaline) and an anaesthetic product (lidocaine) to enhance the products effect.

Considering pain and discomfort of the injections, new needles, jet injections and the reconstitution of the products with preservative-containing (bacteriostatic) saline, which are considered to reduce pain, have been proposed to provide more comfort to the patients.

Indications other than hyperkinetic wrinkles, such as rosacea, Raynaud’s phenomenon, oily skin and associated conditions, Hailey-Hailey disease, scarring, and even for psychiatric indications other than depression, are being more and more studied.

In the future, we can foresee that a series of different medical and cosmetic conditions might be treatable with BT.