

The 17 clinical Reports of Botulinum Toxin Type A to Treat Tear Disorder

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Abstract

Botulinum toxin type A (LANTOX) is a kind of biological product which was developed to treat some diseases. Once it came out in late 20s' century, LANTOX was used in all clinical departments quickly and to treat more and more diseases, including some muscular diseases, such as paralytic strabismus, facial spasm, spasmodic torticollis and esophagism *et al.* It should be effective for LANTOX to treat parasymphictonia disease, based on its function on nerve ending and influence on the nerve ending which release acetylcholine. Crocodile tear and seasonal more tear are common symptom of the old and idiopathic facial palsy, when eating and in winter and spring cold and windy, the patients will secrete more tears which influence the life quality. We used LANTOX to treat 17 lachrymal gland hyperfunction patients, excluding tear way block up, eyelid valgus and flaccid eyelid. The patients sat or lay on their backs. The crocodile tear patients were injected 5-8 units LANTOX, others 4-6 units. In 1-24 hours, all patients felt that tears were less than before and visual acuity became better. The change on crocodile tear patients was the most obvious. The effect lasts 6-7 months. Upper eyelid drop-out happened on 7 patients, deplopia on 2 patients and all these adverse reactions disappeared after 2 months. These cases indicate that LANTOX is one effective method to treat more tear disease. Though it didn't cure the disease, it could change the symptom in short time and improve the life quantity.