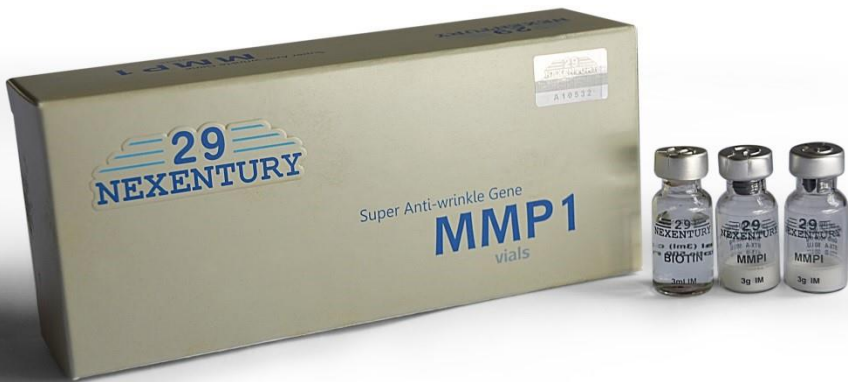


29 NEXENTURY

MMP1 Super Anti-Wrinkle Gene



Clinical Study

MMP1

Super Anti-Wrinkle Gene

Conducted By:



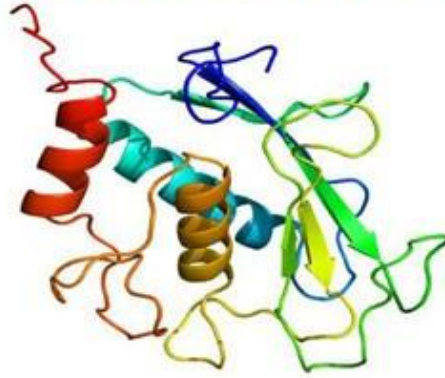
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Introduction

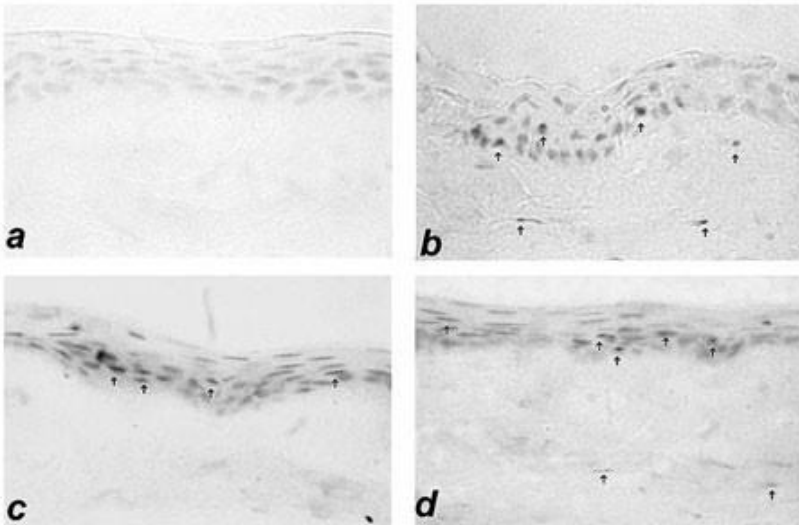
MMP1 is the latest wrinkles eliminating formulation invented by Swiss Institute of Biomedical Sciences – Aeskulap Brunnen. With patented technology, C. Botulinum (a bacteria which produce botulinum toxin) is cultured with a unique deep sea derived, plant base culture medium and produced an superb anti-wrinkle compound which is comprised of Botulinum Toxin A, B, Biotin and MMP1 (a genetic protein which is able to breakdown abnormal fibrous tissues and replaced it with normal collagen), making it the most effective anti-wrinkle formulation with the longest lasting efficacies from 9 months to 2 years.

MMP1 Super Anti-Wrinkle Gene



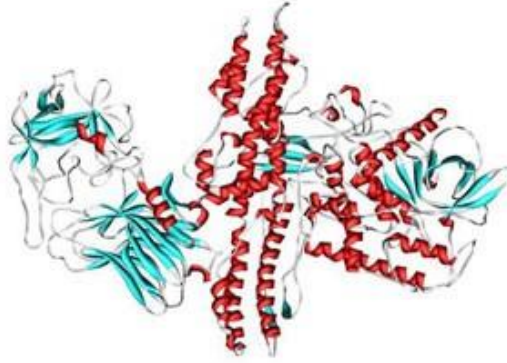
MMP1 is involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction and tissue remodeling. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes a secreted enzyme which breaks down the interstitial **collagens**, types I, II, and III. The gene is part of a cluster of MMP genes which localize to chromosome 11 ⁽¹⁾.

1) Krane SM (1995). "Is collagenase (matrix metalloproteinase-1) necessary for bone and other connective tissue remodeling?". *Clin. Orthop. Relat. Res.* (313): 47-53. PMID 7641497.



MMP1 Anti-Wrinkle Gene is located in 11th chromosome of human being and has been proven to eliminate damaged tissues and replace them with collagen. (a) is human tissues before introducing MMP1, b, c and d how increased collagen synthesis after introducing MMP1 Anti-Wrinkle Gene (Black objects pointed by arrows).

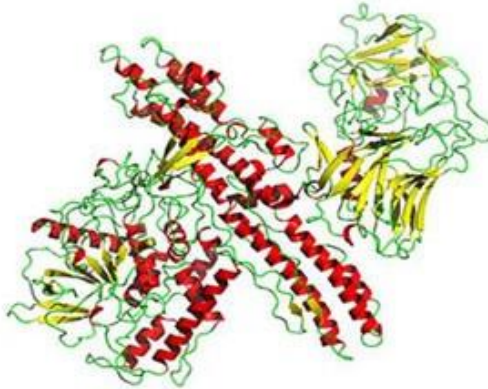
Botulinum Toxin A



The 2 most widely used botulinum toxins produced by *C. Botulinum*. BTX-A is widely used in aesthetic to remove mechanical wrinkles (2) (3) (4), as well as in medicines for the treatment of migraine, muscular spasm and hyperhidrosis due to hyperactive of sympathetic nerve (5).

- 2) Clark RP, Davis CE. (August 1989). "Botulinum Toxin A treatment for facial asymmetry caused by facial nerve paralysis." *Plastic and Reconstructive Surgery* 84 (2): 353–355. doi:10.1097/00006123-198908000000047. PMID 2748149. ISSN 0022-1052.
- 3) Carruthers JD, Carruthers JA. (January 1992). "Treatment of Glabellar Frown Lines with C. Botulinum-A Toxin." *The Journal of Dermatologic Surgery and Oncology* 18 (1): 17–21. doi:10.1111/j.1524-4725.1992.tb02295.x. PMID 1740562.
- 4) Botulinum Toxin Type A Product Approval Information – Licensing Action 4/12/02, FDA. www.fda.gov/cder/development/Approval/ProcessofNewDrugandBiologicsDevelopment/Approval/Action/4/12/02/41202.TXA.htm.
- 5) Bushara KO, Park DM. (November 1994). "Botulinum toxin and sweating." *Journal of Neurology, Neurosurgery, and Psychiatry* 57 (11): 1437–1438. doi:10.1136/jnnp.57.11.1437. ISSN 0022-3050. PMID 7964832.

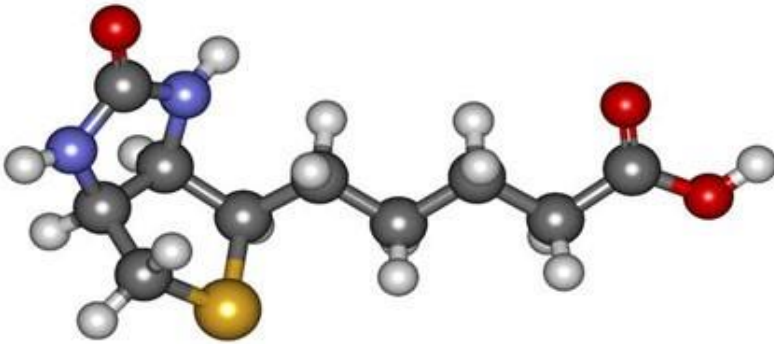
Botulinum Toxin B



This is another form of botulinum toxin which has received FDA approval for the treatment of cervical dystonia and other forms of muscle spasm. It shows effects faster when used in cosmetic (6).

- 6) Bin MF, Lew MF, Adler CH, Comella CL, Factor SA, Jankovic J, O'Brien C, Murray JJ, Wallace JD, Wilmer-Hulme A, Koller M (22 October 1999). "Safety and efficacy of NeuroBloc (botulinum toxin type B) in type A-resistant cervical dystonia." *Neurology* 53 (7): 1431–1438. ISSN 0028-3870. PMID 10624247.

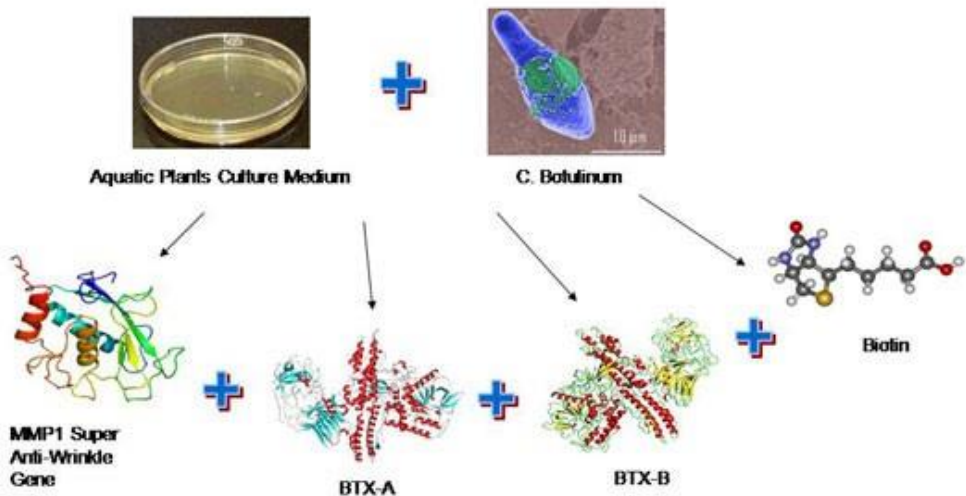
Biotin



Biotin is an essential element which is required for cell growth, production of fatty acids, and the metabolism of fats and amino acids. important nutrients for skin rejuvenation and improving of skin texture. When incorporated into MMP Super Anti-Wrinkle Gene, it is helpful in preventing permanent paralysis and side effects due to ordinary Botulinum toxin.

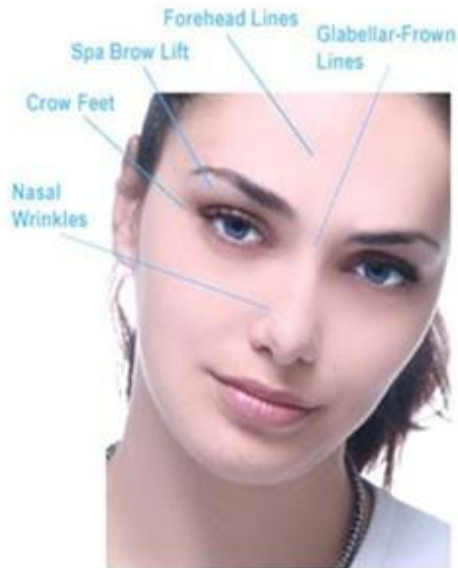
MMP1

Super Anti-Wrinkle Gene — a production with patented C. botulinum culturing technology.

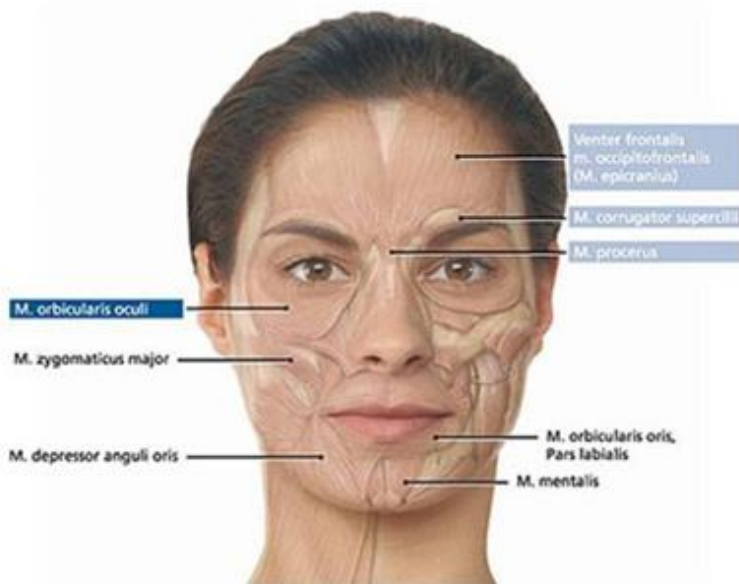


Clinical Study 1: Mechanical Wrinkles





Mechanical wrinkles are defined as wrinkles which appears due to muscle contraction or movements, e.g. wrinkles in the following areas:



MMP1 Super Anti-Wrinkle Gene is comprised of a bottle of powder and a bottle of liquid. The powder contains 1000mg of MMP1 Gene, 50 IU of BTX-A and 50 IU of BTX-B while the liquid contains 500mg of Biotin. The powder is dissolved with the liquid biotin and intramuscularly.



A total of 1200 subjects age between 25-68 are recruited to evaluate the efficacies of MMP1 Super Anti-Wrinkle Gene, as following:

Number of Subjects	Condition	
300	Glabellar-Frown Line	
300	Forehead Line	
300	Crow Feet	
200	Nasolabials	

Each group of subjects are treatment with 0.2 ml of diluted MMP1 Super Anti-wrinkle gene at 2-6 spots, depending on the severity of mechanical wrinkles treated (as demonstrated in the following diagram on other treatment points). Changes of the treatment site are examined every 3 days.



Forehead Line: Before and 1 year post treatment (from left to right).



Crow Feet : Before, 10 days, 1 month and 1 year (from left to right).

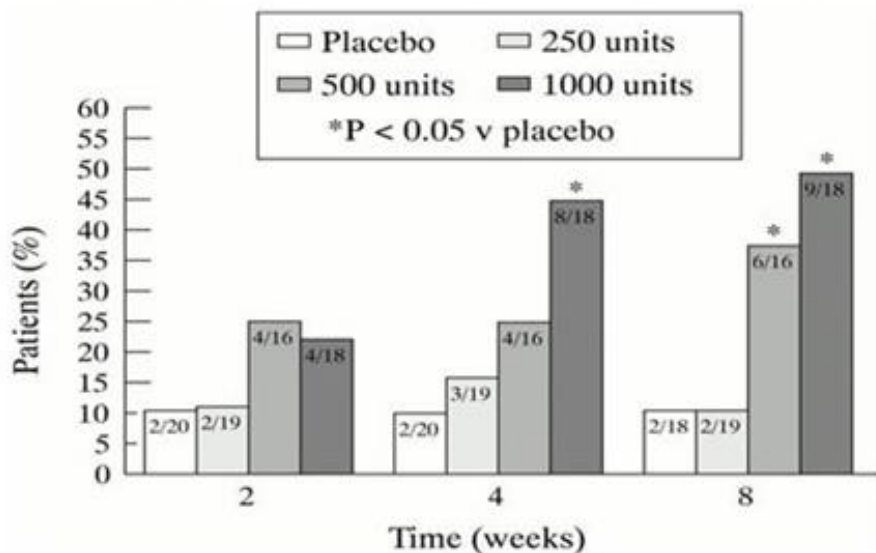


Nasolabials : Before, 10 days, 1 month and 1 year (from left to right).



MMP1 Super Anti-Wrinkle Gene in Treatment of Cervical Dystonia

As MMP1 Super Anti-Wrinkle gene contains BTX-B, which is commonly used in the treatment of cervical dystonia, we ran a separate clinical study where 1000 patients are divided into 4 groups, i.e. placebo, gorup A (treatment with 250 IU of MMP1), B (500 IU of MMP1) and C (1000 IU of MMP1). All subjects are examined at 2 weeks, 4 weeks and 8 weeks after treatment. The result shown that those on higher dose of MMP1 exhibited much higher improvement index 8 weeks post treatment as presented in the following graph.



Conclusion

MMP1 Super Anti-Wrinkle Gene exhibited the property of neuro-musculo junction block (picture) in the initial stage of treatment, which paralyze the muscle group that causes the above mechanical wrinkles, with its BTX-A and B. At the same time, MMP1 Gene starts tissue remodeling simultaneously, where fibrous tissues (which causes wrinkles) are broken down gradually, followed by collagen synthesis by MMP1 gene and Biotin. The effect of BTX-B in MMP1 Super Anti-Wrinkle gene also exerted ideal therapeutic effects on cervical dystonia. In both therapeutic and cosmetic, efficacies of MMP1 Super Anti-wrinkle gene lasted as long as 9 months to 2 years.

