

SKINBOOSTER







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Benefit of Vit.C Micro needling

- Directly supply skin tissue with Vit C.
- Increase the absorption rate
- Improves the look and quality of the skin
- · Lightening of skin
- Treatment of skin pigment condition

Benefit of Glutathione intra dermal Injection

- Inhibition of tyrosinase
- Switching production of eumelanin to phaeomelanin
- Modulation of the depigmentation properties of other antimelanogenic principles
- Treatment of hyperpigmentation such as melasma for general "skin whitening."





ASCORBIC ACID (Vit.C) & CATALYST

Vitamin C is a potent antioxidant and helps in free radical scavenging. It increases collagen production, strengthens skin barrier response, enhances skin repair process and reduces inflammation.

Natural Vitamin C has been used widely as a pigmenting agent in dermatology. Vit C is a powerful natural antioxidant that has been used topically and intradermally in dermatology to treat and prevent changes associated with photo-aging such as wrinkle and hyperpigmentation and participate in collagen synthesis.

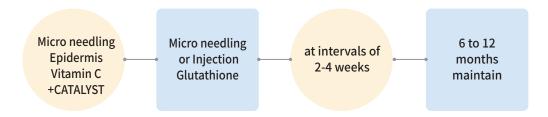
This vitamin interacts with copper ions at an active site of tyrosinase enzyme, preventing the transformation of tyrosine into melanin pigment by the enzyme, resulting in skin whitening effect. An ideal strategy to lessen skin hyperpigmentation is to directly supply skin tissue with vit C.

GLUTATHIONE

Glutathione is a naturally occurring substance in the human body. A powerful antioxidant with additional anti-species positive, it is the most popular "skin-brightening molecule" recently. It prevents damage caused by reactive oxygen species and free radicals by acting as an antioxidant and detoxifying agent.

Glutathione causes lightening of the skin due to its effect on inhibition of tyrosinase enzyme. The free radical scavenging effect of glutathione blocks the induction of tyrosinase activity. Glutathione has been widely practiced by aestheticians for the treatment of facial melanosis mainly in combination of vitamin C, which is also a potent antioxidant.

PROTOCOL



- *Do not recommerel to mix Vitamin C and Glutathione
- *Active ingredientsi: pure Ascorbic Acid, Salicylic Acid, Glutathione, Niacinamide, Sodium Hyaluronate

Referances:
1-Puri N (2020) A Study on the Efficacy of Mesotherapy using Glutathione and Vitamin C for the Treatment of Melasma. J Clinic Exper Cosme Derma 3: 005, 2-Dickinson DA, Forman HJ (2002) Glutathione in defense and signaling: Lessons from a small thiol. Ann NY Acad Sci 973: 488-504. 3.Townsend DM, Tew KD, Tapiero H (2003) The importance of glutathione in human disease. Biomed Pharmacother 57: 145-155. 4.Witschi A, Reddy S, Stofer B, Lauterburg BH (1992) The systemic availability of oral glutathione. Eur J ClinPharmacol 43: 667-669. 5.Pressman AH, Buff S (1998) Glutathione: The Ultimate Antioxidant. Lst New York: St. Martin's Paperbacks. 6.Halprin KM, Ohkawara A (1966) Glutathione and human pigmentation. Arch Dermatol 94: 355-357. 7. Dermatol Pract Concept. 2018 Jan; 8(1): 15-21. Published online 2018 Jan 31. doi: 10.526/cjdp.c0031a04 8. Sarkar R, Chugh S, Garg WK. Newer and upcoming therapies for melasma. Indian J Dermatol Venereol Leprol. 2012;78:417-428. [PubMed] [Google Scholar] 9. Dickinson DA, Forman HJ. Glutathione in defense and signaling: Lessons from a small thiol. Ann NY Acad Sci. 2002;973:488-504. [PubMed] [Google Scholar] 10. Murray RK. Metabolism of xenobiotics. In: Murray RK, Bender DA, Botham KM, Kennelly PJ, Rodwell VW, Weil PA, editors. Harper's Illustrated Biochemistry. 28th ed. Michigan: McGraw-Hill; 2009. pp. 612-613. [Google Scholar] HJ Lamama CD, Maibach HJ. Glutathione as a designmenting agent: an overview. Int J Cosmet Sci. 2005;27:147-153. [PubMed] [Google Scholar] 12.Lee JH, Park.JG, Lim SH et al. Localized IDM of tranexamic acid for treatment of melasma in Asian patients: A preliminary clinical trial. Dermatol Surg 2006;32:626-31. 13.Kim HJ, Moon SH, Cho SH, Lee JD, Kim HS. Efficacy and safety of tranexamic acid in melasma: a meta-analysis and systematic review. Acta Derm Venereol 2017;97:776-81.





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