

## Essential knowledges for HTS and keloids treatment

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Hypertrophic scar (HTS) and keloid is a bad cosmetic result which caused by abnormal wound healing process. Various methods such as steroid injection, cryosurgery, excision combined with radiation, etc have been used.

For the best result of scar and keloid treatment, systemic approach and decision of appropriate treatment considering age, sex, and predilection site of the patients. The younger the patient, the more conservative treatment is needed than the surgical method, and there is a high probability that the surgical method will fail in the sternum or shoulder, which are subjected to high tension. Since the surgical method has a high success rate for parts such as the ear or abdomen, it is efficient to perform a conservative method after resection. Also, in postmenopausal women, HTS and keloids can naturally disappear or decrease due to the decrease in female hormones, so good results can be expected after surgery.

Step-by-step ways to reduce HTS and keloids are as follows: It is recommended to treat the redness caused by vasodilation after reducing the volume, and then treat the pigment and texture as the next step. In order to reduce the volume, surgery, steroid injection, and cryotherapy should be used well. In particular, steroid injection is the most widely used technique, but the understanding of the exact procedure is low. Lasers are often used to treat vasodilation, pigment, or texture. Excellent cosmetic results can be obtained by properly using dye laser or fractional laser.

HTS and Keloids have very diverse clinical characteristics, so the treatment protocol is different for each case, and appropriate treatment is very important to shorten the treatment period. Therefore, in today's lecture, i will show various cases and share actual examples of the treatment.