The Combination of Tunnel shaped excision with Radiotherapy and Injection of Type A Botulinum Toxin in the Treatment of Auricular Keloids

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Running Title
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BACKGROUND

To investigate the clinical effect of the combination of tunnel shaped excision with radiotherapy and injection of type A botulinum toxin in the treatment of auricular keloids.

METHODS

From June 2017 to May 2023, a total of 52 cases with auricular keloids were treated with tunnel shaped excision combined with radiotherapy and the injection of type A botulinum toxin. The effects of this sequential treatment were analyzed and evaluated.

RESULTS

No recurrence of keloids was observed in the enrolled patients, and no abnormal conditions such as ear deformities occurred. The postoperative auricle appearance of most patients was satisfactory and the shape was good.

CONCLUSION

The combination of tunnel shaped excision with radiotherapy and injection of type A botulinum toxin in the treatment of auricular keloids can achieve good therapeutic effects, resulting in satisfactory auricle morphology, and is worthy of clinical promotion.

Figure 1. Remove the lesion by tunnel-cutting

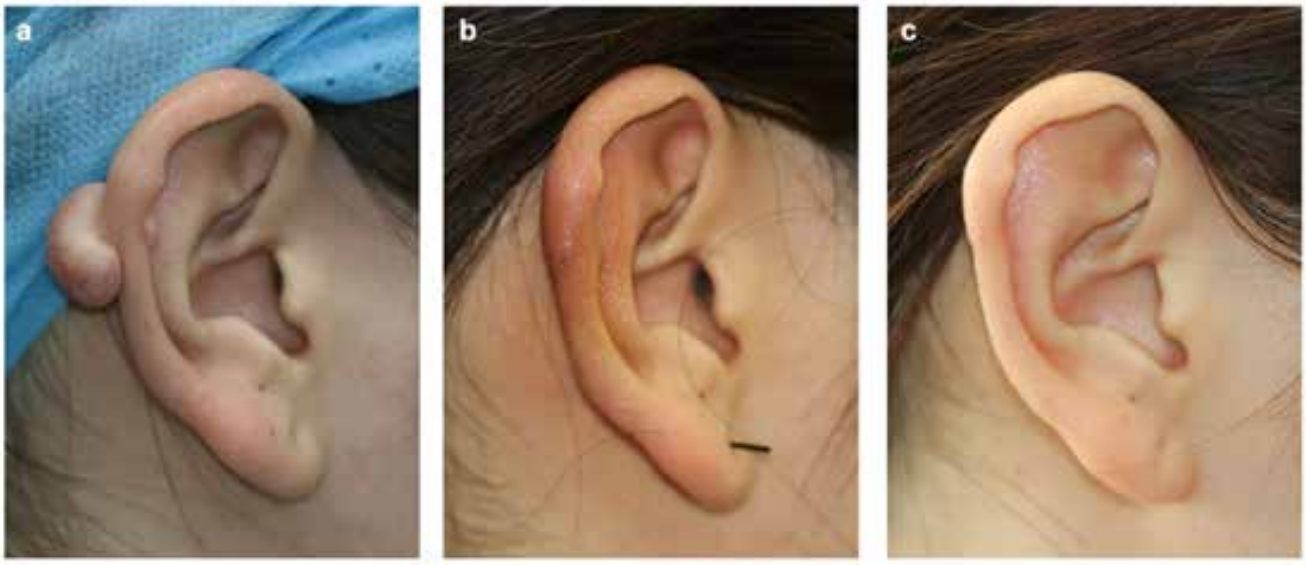

Fig 2 a. case 1 keloidal lesion on the right ear cartilage. b.case1 8days after operation.c. case1 12months after operation

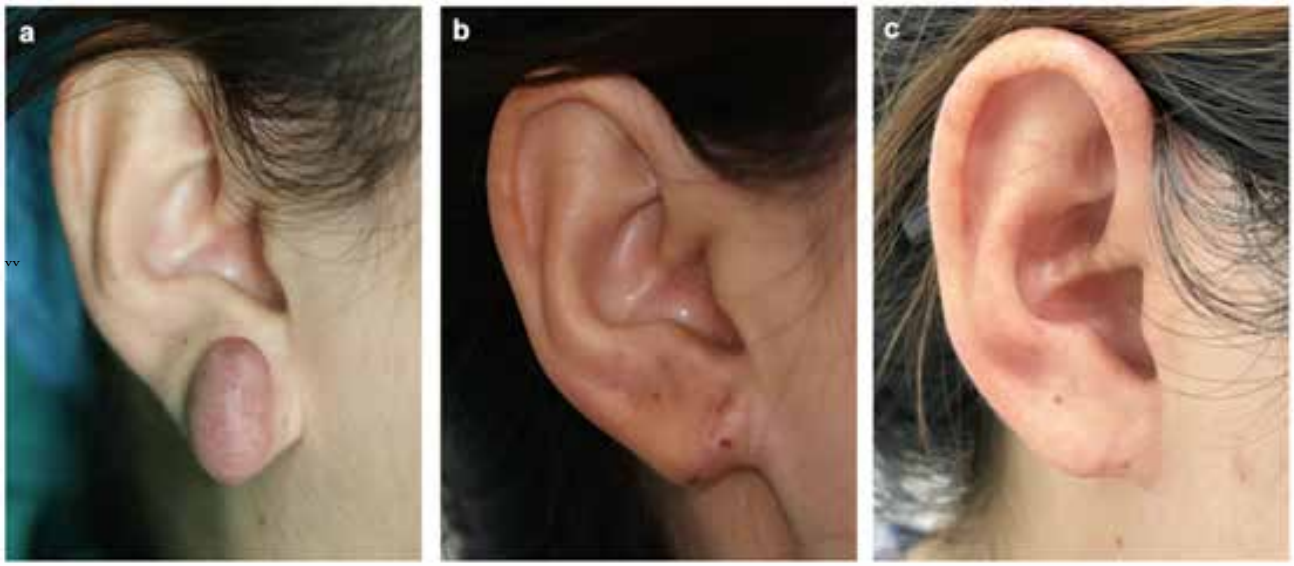

Fig3 a. case 2 keloidal lesion on the right earlobe.b.case 2 8days after operation.c case2 18months after operation