Coblition-Channeling of the Tongue (CCT)

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Significant contributing factor to OSAS

- 80% of OSAS patients have obstructive sleep apnea syndrome.
- The operation involves intubation of the tongue base, resulting in thickening of the tongue base.

Surgery on the Tongue

The past 30 years have seen many advances in the surgical treatment of OSAS, including the use of various techniques. The aim of these surgeries is to reduce the size of the tongue base and improve airflow through the airway.

Surgery on the Tongue

- Reduces the size of the tongue base.
- Improves airflow through the airway.

Coblition-combining concept of tongue surgery

- The tongue base is divided into three parts.
- The first part is the tongue base itself.
- The second part is the tongue base, including the hypoglossal n. and lingual artery.

Procedure of CCT

- The horizontal distance of the tongue base was divided into three parts:
  - The inner one-third would be the safer location for the CCT procedure, while the middle and outer one-third would be safer as the tongue base was divided into three parts.
  - The tongue base was divided into three parts:
    - Inner one-third: 10% of the tongue base.
    - Middle one-third: 30% of the tongue base.
    - Outer one-third: 60% of the tongue base.

Clinical application

- CCT + CAUP for OSAS patients with tongue hypertrophy type I and II.

Observed parameters:

-舌质
-舌苔
-舌下静脉

Complications

In a total of 1000 patients:

1. Hypoesthesia of the tongue base
2. Hypoesthesia of the tongue base

Summary

The results of more than 1000 cases of CCT performed in the past 5 years show that CCT can be a safer, minimally invasive, effective, and repeatable option for hyperthyrophonic tongue.