

Future directions of transoral endoscopic thyroidectomy vestibular approach

The surgical treatment of thyroid disease goes far beyond merely eliminating the cancer and or thyroid related symptoms. Surgeons, endocrinologists, oncologists, and patients now understand surgical treatments and cosmetics results must be integrated. In well-run comprehensive endocrine Centres using state-of-the-art technology, the majority of patients will be treated by conserving therapy when a screen detected little tumor has been visualized and with a minimally invasive surgery.

In recent large trials performed in last years minimally invasive procedures therapy was shown to be equally effective in the treatment of thyroid cancer and other thyroid disorders, as was an open conventional surgery. Increasingly, additional new technologies such as trans axilla, areola, retroauricular and now transoral via vestibular approach determined perfect cosmetic results.

Currently, more than 20 different endoscopic or robotic approaches in 20 years have been proposed, and applied. The survival of a patient is crucial, lower morbidity and safety issues are essential, however, the cosmetic outcome after the treatment is an aspect that cannot be ignored. Cosmetic outcome is not only a secondary consideration. There have been two significant developments that have improved the cosmetic outcome remarkably: (I) progress in new technology and accessories for thyroidectomy (as energy-based device) to shorten the surgical incision in the neck and (II) new surgical approaches and techniques that cause much less scarring in the neck (MIVAT) or even no scar in the neck (Axilla, breast, retroauricular), or any scar (TOETVA). The aims of this integration are the uncompromised safety in treatment, while establishing an aesthetically pleasing Patient shape. This is most readily achieved by a team approach including an expert surgeon, assistant, endocrinologist, anesthesiologist.

Today, high volume thyroid surgeons have to have, in their arsenal of procedures, a variety of thyroid techniques into which the gland excisions are integrated, and the cosmesis of a patient's is maintained. High volume endocrine surgeons should be familiar with all of the different techniques in order to provide an optimal cosmetic outcome. Best outcomes for any new endoscopic approach to the thyroid gland are surgeon and patients candidacy. The team of surgeons should all have a major interest in thyroid management in order to understand the complexities involved. A good measure of this is the number of thyroidectomy they manage annually. More than 100 cases of thyroidectomies is a good indication that the team has the required volume to constantly achieve good outcomes.

We are proud to present this special issue dedicated to the most recent development in TOETVA, which represents a comprehensive and extensive collection of information regarding all aspects of the patient's management including selection and preparation of the patient, informed consent, anesthesiological aspects, the progress in surgical techniques and technological tools used for the prevention of the most common complications (florescence and neuromonitoring IONM), and the prevention and treatment of any complications including those that are rarely described in literature.

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