



ORIGINAL RESEARCH PAPER

Otolaryngology

MICROSCOPY ASSISTED TONSILLECTOMY: AN EFFECTIVE AND SUCCESSFUL TEACHING TECHNIQUE FOR STUDENTS.

KEY WORDS:

Dr. KC Prasad	MBBS, MS, Fellowship in Otolaryngology, Department of ENT and Head and Neck surgery, Sri Devaraj URS Medical College, Tamaka, Kolar
Dr Anjali PK*	MBBS, Junior resident, Department of ENT and Head and Neck surgery, Sri Devaraj URS Medical College, Tamaka, Kolar * Corresponding Author
Dr Harshita T.R	MBBS, MS, Department of ENT and Head and Neck surgery, Sri Devaraj URS Medical College, Tamaka, Kolar
Dr Indu varsha G	MBBS, Junior resident, Department of ENT and Head and Neck surgery, Sri Devaraj URS Medical College, Tamaka, Kolar

ABSTRACT Tonsillectomies are most common surgical procedure done for children. So it's important for upcoming specialists no matter UG/PG to have good idea and extensive experience about each step in the tonsillectomy technique. Tonsillectomy can develop a life threatening problem in any patient. All these points lead to the need for proper understanding of the surgical technique. In our institute we experimented demonstration of tonsillectomy under microscope where the surgeon operated under microscope and the microscope was connected to the monitor. The group for which it was demonstrated under microscope had a better understanding about the surgical anatomy and steps of tonsillectomy.

Tonsillectomies are most common surgical procedure done for children.[1] Even though it is a simple procedure life threatening complications can occur following tonsillectomy. So it's important for upcoming specialists no matter UG/PG to have good idea and extensive experience about each step in the tonsillectomy technique. Tonsillectomy can have post-operative complications like haemorrhage, oedema obstructing airway, aspiration, velopharyngeal insufficiency, hypoglossal nerve injury, necrotising fasciitis, lingual nerve injury, torticollis, dental injury, dislocation of the jaw.[1] Tonsillectomy can develop a life threatening problem in any patient.[2] All these points lead to the need for proper understanding of the surgical technique.

Conventionally tonsillectomy performed by surgeon wearing headlight where the surgical view is limited only for the operating surgeon. This method gives less understanding for the students as its hard to because of the difficulty to put head to surgical field and peep inside. So in our institute we experimented demonstration of tonsillectomy under microscope where the surgeon operated under microscope and the microscope was connected to the monitor. (figure 1,2)

Students were divided into 2 groups, 10 each. Same surgeon demonstrated tonsillectomy to both groups, conventional method to one group and to other one under microscopy and monitor assisted, which made it easy for them to get a good view of the procedure. At the end of the demonstration class detailed questions regarding tonsillectomy was asked to each group. The group for which it was demonstrated under microscope had a better understanding about the surgical anatomy and steps of tonsillectomy. So give a better understanding for the budding surgeons about tonsillectomy consider demonstration under microscope with a display.

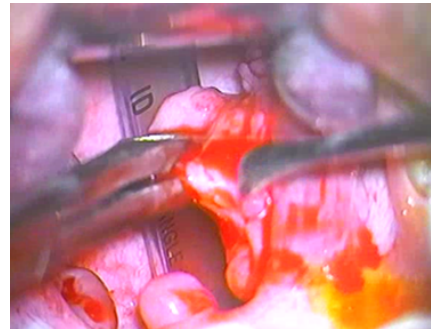


Figure2: tonsil being dissected and removed

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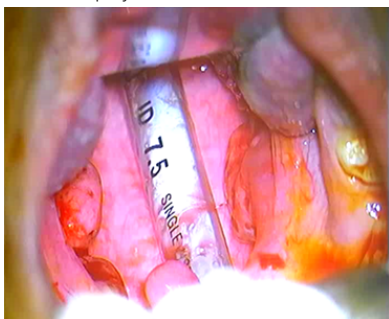


Figure: 1 showing visualisation of both the tonsils under microscope.