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Our experience of 200 cases of thyroid surgery under local anaesthesia versus general anaesthesia

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Background: Local Anaesthesia is now being accepted universally as a safe alternative to general anaesthesia for thyroid surgery. This study was carried out to compare the outcomes of patients undergoing thyroid surgery under local and general anaesthesia.

Methods: 200 patients who underwent thyroid surgery for benign and malignant diseases under local and general anaesthesia from March 2014 to March 2017 were analysed. Patient characteristics analysed were age, sex, pathology lesion size, operating time, length of stay, cost and post-operative complications.

Results: Mean lesion sizes were 4.5 cms and 6.5 cms in local and general anaesthesia group respectively. Mean operating time was 50, 5 minutes and 75.5 minutes in local anaesthesia and general anaesthesia group respectively. Mean cost incurred was Rs. 2500 in local anaesthesia and Rs. 5500 in general anaesthesia group. Mean length of hospital stay was 40, 25 hours and 75.06 hours in local anaesthesia and general anaesthesia group respectively.

Conclusions: Local anaesthesia is a safe alternative to general anaesthesia for patients undergoing thyroid surgery. Use of local anaesthesia has resulted in a decreased length of stay, cost and means operating time, hence useful in a setup with limited anaesthesia time and increased work load.

Biography

Sambhaji Govind Chintale is currently working as Associate Professor in ENT department at JIIUs Indian Institute of Medical Science & Research. He is a Senior Resident at Kem Hospital, Mumbai from 1st Feb to 31st Jul 2012 and Senior Resident at DR. R N Cooper Hospital, Mumbai from 15th Sep to 15th Jan 2013. He has published many papers in reputed journals like Indian Journal of Basic and Applied Medical Research, Otolaryngology Online journal, and International Journal of Recent Trend in Science and Technology.

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