

List of Publications

- Mohanty S, Manimaran V, Umamaheswaran P, Jeyabalakrishnan S, Chelladurai S. Endoscopic cartilage versus temporalis fascia grafting for anterior quadrant tympanic perforations - A prospective study in a tertiary care hospital. *Auris Nasus Larynx*. 2018;45(5):936-942. doi:10.1016/j.anl.2018.01.002

This study compares the graft materials used for tympanoplasty in treating patients with Chronic otitis media. Temporalis fascia is the routinely used graft since many decades. This study is novel in trying to find out the efficacy of cartilage graft. Found this endoscopically has the advantage of scarless surgery. In this study while comparing the two grafts, Cartilage was found to have good uptake and better hearing post surgery.

- Umamaheswaran P, Mohanty S, Manimaran V, Jayagandhi S, Jeyabalakrishnan SP. A comparative study of sequential vs. simultaneous type I tympanoplasty in patients with bilateral chronic otitis media - Mucosal type. *J Otol*. 2020 Jun;15(2):59-61. doi: 10.1016/j.joto.2019.12.005. Epub 2020 Jan 3. PMID: 32440267; PMCID: PMC7231987.

This study compares simultaneous and sequential tympanoplasty in Patients with Bilateral chronic otitis media. There has always been a myth against operating both ears at a time. But in this study, Simultaneous tympanoplasty showed similar results in terms of graft uptake and hence it is proposed to be used as a routine method for treating patients with bilateral Chronic otitis media.

- Manimaran V, Mohanty S, Jayagandhi SK, Umamaheshwaran P, Jeyabalakrishnan S. A Retrospective Analysis of Perioperative Risk Factors Associated with Posttonsillectomy Reactionary Hemorrhage in a Teaching Hospital. *Int Arch Otorhinolaryngol*. 2019;23(4):e403-e407. doi:10.1055/s-0039-1696702

This study is a retrospective analysis of patients with Reactionary haemorrhage. Longer operating time and increased mean arterial pressure during surgery were going to be some of the causes.

- Lakshmanan S, Jeyabalakrishnan SP, Saravanam PK. Use of Fenestrated Tracheostomy Tubes: A Comparative Study. *Int J Head Neck Surg* 2021; 12 (1):15-18. DOI: 10.5005/jp-journals-10001-1419

This study analyses various types of tracheostomy tubes. The generated tubes are of various types based on the size of the fenestra. Two tubes, one with small and many fenestra and the other having large and single fenestra were compared. The latter was found to have less granulation and good outcomes.

- Vemuru T, Mohanty S, Manimaran V, Priya S. Clinical Outcomes of Salivary Gland Tumor Surgery: A 10-year-chart View. Int J Head Neck Surg 2021; 12 (1):11-14. DOI: 10.5005/jp-journals-10001-1414

This is a retrospective study analysing the outcomes of patients with salivary gland tumours.

- Jeyabalakrishnan SP, Manimaran V, Mohanty S. Management of Supraglottic Stenosis: An Institutional Experience. Int J Otorhinolaryngol Clin 2021;13(3):101–105.

Supraglottic stenosis is a challenging condition to be treated. This study focuses on the treatment methods offered to patients with supraglottic stenosis post RTA, poisoning, etc. Various types of stents were used. And the excision was done by various methods like laser, coblator, etc.

- Selvarajan G, Rahul Ramesh Chandran, Shivapriya, K Ravi. A cross-sectional study to assess olfactory function and quality of life changes in patients with allergic rhinitis before and after medical therapy. MedPulse International Journal of ENT. May 2022; 22(2): 15-20.

This study uses the butanol threshold testing to assess the smell in patients with allergic rhinitis. Significant difference was seen on the impact of quality of life. Treatment with inhalational steroids showed good results.

- Selvarajan Gopal, Shivapriya Jeyabalakrishnan, Raghuraman P M, Grahakshmi Ayyadurai. A Study on the Effect of Preoperative and Postoperative Administration of Oral Vitamin D on Intraoperative Bleeding and Postoperative Recurrence in Patients with Nasal Polyposis. Eur. Chem. Bull. May 2023, 12(Regular Issue1), 2359 - 2370.

Vitamin D deficiency was found to be a causative factor for sinonasal polyposis. But its use as treatment method has not been documented in literature. This study is novel in testing the efficacy of administering oral vitamin D in patients being treated for sinonasal polyposis

- Inflammatory myofibroblastic tumour of an unusual site in an infant Rahul Chidurala1, , Latha M. Sneha2*, Balaji Thiruvengadam Kothandan2, ,Ravikumar Arunachalam3 , Shivpriya Jeyabalakrishnan3 , Vasugi Gramani Arumugam1, Gokulakrishnan Periyakaruppan4. International Journal of Contemporary Pediatrics. 2022

Inflammatory myofibroblastic tumour in the nose is a rare entity and to arrive at the diagnosis was a challenge surgically too. Treating a child with myofibroblastic tumour was a challenge and the patient improved significantly.

- Selvarajan, G., Jeyabalakrishnan, S., Aishwarya, G. et al. A Study on Efficacy of Differences in Speech Therapy Duration in Vocal Outcomes of Benign Lesions of Vocal

Cords After Conventional Microlaryngeal Surgery . Indian J Otolaryngol Head Neck Surg (2023). <https://doi.org/10.1007/s12070-023-03780-8>

There is no set guidelines to decide on the duration of speech therapy for patients undergoing microlaryngeal surgery. This study focuses to find out the ideal duration for speech therapy and longer durations upto 4 to 6 months was found to be effective.

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