

Global Summit on **PHYSIOLOGY AND METABOLISM OF THYROID**

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IS THYROID EXCISION MANDATORY IN CARCINOMA LARYNX?**Pawan Singhal**

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Introduction: Total or ipsilateral hemithyroidectomy or isthmectomy are performed along with total laryngectomy in many cases. The need for performance of thyroidectomy during Total Laryngectomy is controversial.

Aims & Objectives: This study examines preoperative clinical, radiological and histopathologic characteristics that can be used to predict thyroid gland invasion in the setting of squamous cell carcinoma (SCC) of the Larynx.

Method: A cross sectional observational study set out to review preoperative clinical assessment, radiological and histopathological findings, and follow-up data.

Results: 11 (15.94%) out of 69 patients had thyroid gland involvement with mean age 63.4 years. 90.9% patients with thyroid gland involvement were male. 9 cases with thyroid gland involvement were staged as T4a preoperatively. Out of 11 cases of histopathologically proven thyroid gland involvement, 8 (72.72%) underwent primary total laryngectomy.

Conclusions: Invasion of thyroid gland by laryngeal cancer is rare. Unnecessary hemithyroidectomies lead to hypothyroidism and hypoparathyroidism. The study points out the clear indications of thyroid excision in patients undergoing total laryngectomy. This can save the patients from the brunt of unnecessary morbid hypothyroidism and hypoparathyroidism.

Biography

Dr Pawan Singhal did his MBBS from JLN Medical College, Ajmer, Rajasthan, INDIA and his post graduation from SMS Medical College, Jaipur, INDIA. He is among only a few ENT surgeons in Rajasthan who have been awarded gold medal (Dr G. Narayanan) in PG nexams. He was the first ENT surgeon in Rajasthan to earn DNB (Diplomate National Board) degree. He was awarded with the prestigious International visiting scholarship award by American Academy of Otorhinolaryngology and Head Neck Surgery in annual meeting at San Francisco on September 2011 for training at Memorial Sloan Kettering Cancer center, New York.