

5th Global Summit and Expo on

HEAD, NECK AND PLASTIC SURGERY

June 19-20, 2017 Philadelphia, USA



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Role of bilateral selective neck dissection in surgical management of advance laryngeal carcinoma with N0 neck

Advance laryngeal carcinoma with N0 neck is a condition where controversies about surgical management are still present. Clearance of the echelon groups of cervical lymph nodes in clinically and radiologically negative neck during surgery for laryngeal primary has got a positive impact on prognosis. We have treated 114 such cases over thirteen years (2001-2013). Fifty five (55) were glottic and 59 supraglottic carcinoma. Surgery was done both in primary and irradiated cases: Primary modality in 53 cases (Glottic-23 and Supraglottic-30) and 61 irradiated cases (Glottic-32 and Supraglottic-29). Two types of surgery offered were (1) Total Laryngectomy, (2) Total Laryngectomy+Bilateral Selective Neck Dissection of Level-II, III, IV lymph nodes (Bil.SND). Total laryngectomy was done in 41 cases (Glottic-20 and Supraglottic-21), Total Laryngectomy+Bil. SND in 73 cases (Glottic-35 and Supraglottic-38). Postoperative adjuvant radiotherapy was given according to demand of the postoperative histopathology. 97.37% (111 patients) were followed up for >2 years, 74.35% (85 cases) >3 years and 45.61% (52 cases) for >5 years. Recurrence detected in 15 cases of Glottic carcinoma, Laryngectomy group-11 (55%) and Laryngectomy+Bil.SND-04 cases (11.43%; $p=0.001$). In supraglottic carcinoma recurrence found in 20 cases, Laryngectomy group-11 (52.38%) and Laryngectomy+Bil.SND-09 cases (23, 68%; $p=0.026$). Most of the recurrence (68.18%) occurs in the neck if not addressed properly during surgery. Prophylactic Bilateral SND in advance carcinoma of the larynx with N0 neck has significant influence in reducing recurrence.

Biography

Belayat Hossain Siddiquee is a Pioneer Head and Neck Surgeon in Bangladesh. He started his career as Head and Neck Surgeon in 1992 after obtaining Fellowship in ORLHNS from Bangladesh. He is the Founder Chief of HNS Division, BSMMU, Founder President, Bangladesh Society of HN Surgeons, Governing Council Member, Asian Society Head-Neck Oncology (ASHNO), Councilor, IFHNOS, Country Coordinator, World Head-Neck Cancer Day and Editorial Board Member of Springer journal *Oral Cancer*.

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