

Unilateral Supraglottoplasty for Severe Laryngomalacia in Children

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Objective: To study the efficacy of Unilateral Supraglottoplasty (USGP) in treating severe laryngomalacia (LM) in children.

Design: Retrospective Medical Record Study.

Setting: Aseer Central Hospital and Abha Private Hospital, Saudi Arabia.

Method: Thirty-seven patients, aged 7 days to 9 months underwent Unilateral Supraglottoplasty for severe LM from January 2000 to December 2014. Patients who underwent preoperative tracheotomy and or previous airway surgery were excluded.

Result: Successful extubation in the second postoperative day was achieved in 31 (84%) patients; contralateral supraglottoplasty (CSGP) was required in 6 patients (16%). Aspiration was noticed in 2 (5%) patients and 1 (3%) developed supraglottic stenosis (SGS).

Conclusion: USGP was found to be safe surgical procedure with high success and low complication rate for treating severe LM.

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