CO2 LASER-ASSISTED ENDOSCOPIC-CRICO-TRACHEAL-STENOSIS RESECTION (CTSR) FOR HIGH GRADE CIRCUMFERENTIAL SUBGLOTTIC STENOSIS WITHOUT TRACHEOSTOMY

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Objectives:
To present the technique and outcome of using endoscopic CO2 laser for excision isolated subglottic stenosis of
• High grade
• Long segment
• Circumferential
• Without Tracheostomy

Methods:
• Retrospectively reviewed data from 2011 to 2015,
• Children and adults
• Cotton-Myer Grading system of subglottic stenosis
• 1 Year follow up

Results:
Sample size: 7 cases
Age
Mean age: 10.6 years
Range: 0.3 - 42 years
Sex
Male: 3 (34%)
Female: 4 (57%)
Etiology
Intubation: 86%
Idiopathic: 14%

Discussion:
Upon comparing our method with other endoscopic techniques that were mentioned in the literature review, it has been found that our technique is complete excision of stenosis without tracheostomy rather than incision and dilatation. It demonstrated 100% circumferential stenosis of more than 1 cm craniocaudal extension without any complication.

Technique
CO2 LASER EXCISION
Triamcinolone injection
Systemic Steroid
Mitomycin-C

Discussion:
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