

Primary tracheal reconstruction in cut-throat injury of a 4 years old child

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Abstract

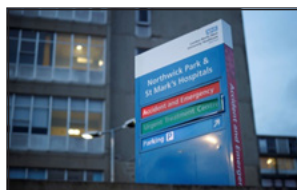
Cut throat injuries in children are rare, but they constitute a significant management challenge. Such injuries are rarely reported in the literature. Evaluation and treatment of such injuries is a tough task. Cervical tracheal injuries are relatively uncommon and are frequently associated with esophageal, vascular or spinal injuries. We hereby report a case of cut throat injury with incomplete transection of trachea and its management in a four years old male child. History of homicidal attack by slashing his throat with sickle by his father at 3.00am on 26/1/2014.

Family history: Father is a known psychiatric patient on irregular treatment. Child was received at GH Madurai by 5.25 am on the same day immobilized with neck and chest splint.

Neck: A horizontal contused lacerated wound of 10cm*2 cm in the ant part of the neck just above the suprasternal notch, extending between two sternocleidomastoid muscles (Zone 1). Immediate resuscitation started. Emergency wound exploration and primary closure of the trachea along with tracheostomy was planned under General anesthesia. Tetanus prophylaxis given. Transected trachea was sutured extramucosally with interrupted 3-0 vicryl. The child was discharged home on post op day8.

Conclusion: Every case should be assessed based on the injury. Leading cause of death—hemorrhage from vascular structure.

Worst complications: Laryngeal stenosis, pharyngeal stenosis, pharyngocutaneous fistula pharyngeal, hypo pharyngeal, laryngeal, tracheal mucosal lacerations should ideally be repaired early (within 24 hours). Primary airway repair without tracheostomy is possible, when the injury is repairable to near anatomy.



Biography

Suman Arasikere Panchappa is one of the junior doctors who is working as clinical fellow in the department of ENT at the NHS. She has a keen interest in working with developing countries. She has a good number of research articles published under her name in various national and international journals. S A Panchappa is keen on learning the different presentation of post op complications. Also involved in teaching, attending conferences and presentation.

Publications

1. Suman Arasikere Panchappa, Primary et al., Tracheal Reconstruction in Cut Throat Injury of a 4 Years Old Child, Case Reports in Clinical Medicine Vol.3 No.6(2014), Article ID:47160,3 pages DOI:10.4236/crcm.2014.36080
2. Suman Arasikere Panchappa, Primary et al, Cut Throat Injuries—A Retrospective Study at a Tertiary Referral Hospital, International Journal of Otolaryngology and Head & Neck Surgery, 2014, 3, 323-329, DOI:10.4236/2Fijohns.2014.36058

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