

# Laryngeal suction tube: A novel technique for tracheal ventilation in an obstructed airway in a child with respiratory papillomatosis

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## Abstract

Background Airway obstruction in a child requires expedite management in addition to comprehensive discussion between the Otolaryngology and Anaesthesiology team to formulate a treatment plan to ensure safe airway. Juvenile-onset recurrent respiratory papillomatosis (JORRP) is an exophytic benign laryngeal lesion which poses a great challenge when presented with respiratory distress. Objective: This paper presents a novel, safe and cost-effective approach to temporary tracheal ventilation of the obstructed airway in a child with juvenile-onset recurrent respiratory papillomatosis using the laryngeal suction tube connected to general anaesthetic (GA) machine. Result and Conclusion Rigid laryngeal suction tube is placed through the side-port of Lindholm laryngoscope and connected to breathing circuit of GA machine via modification of the suction tubing and endotracheal tube (ETT) 15mm male connector. Manual bagging ventilation with 100% FiO<sub>2</sub> achieved good oxygenation throughout the debulking of the papilloma without hindering the surgical field. Our technique utilizes the readily available equipment whilst enabling safe anaesthesia and providing good surgical field during excision of obstructive papillomatous airway lesion.

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