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Coblation surgery in early glottic cancer: Day care procedure

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In India the incidence of laryngeal cancer is high because of smoking and increased consumption of alcohol. In laryngeal cancer true vocal cords are the commonest site. The treatment for early vocal cord carcinoma depends upon the staging. In early vocal cord cancer the treatment modality will be surgery or radiotherapy, or may be combined. In early glottic cancer intra oral surgeries like stripping of vocal cord margin in very early period is acceptable. Lots of powered instruments are useful in these surgeries like micro debrider, CO2 and diode laser and the conventional cold knife. It is a case study, 6 cases were selected the criteria being involvement of one side vocal cord without fixation of vocal cord. All cases were followed postoperatively for a period of 6 months to one year to assess the pain, comfort, voice quality and recurrence of the lesion. Coblation is an innovation in ENT. It is a very useful tool for intra oral and intra laryngeal cancer excision. It has a lot of advantages over all other methods such as trans oral route, less pain, no bleeding (ability to control over bleeding), no complication laryngeal odema is less, tracheostomy is not required (chance of tracheostomy is less), healing is good, less hospital stay, low risk of airway fire, complete excision is possible and risk of scarring and stenosis is less, minimally invasive and less thermal penetration as compared to the laser advanced tip design provides easier access to the anterior commissure and removal of sessile (flat) lesions, optimal surgeon visibility, short learning curve easy OR set up and cost effective, safer to use than the laser and integrated suction and coagulation. Coblation technique is a recent advance in ENT and we can use it safely in early laryngeal cancer without any complications.

Biography

R Anand is the Director and Head of ENT in Dr. Anand ENT Specialty Centre, an academic training institute in Coimbatore, India. He has graduated from Madurai Medical College, Madurai, India. He has worked as a Resident under Dr. Mohan Kameswaran, a world renowned ENT Surgeon from Chennai, India. He is a Member of various associations like European Politzer Society of Otolaryngology, World Sleep Association, Cochlear Implant Group of India, Founder Member of Indian Academy of Otorhinolaryngology Head & Neck Surgery and Indian Association of Surgeons for Sleep Apnea. He has presented several papers in India and international conferences and conducts Cadaver hands on workshops in regular intervals. He has also conducted Rhinology and Otolaryngology live surgery workshops. He is the Head of Cochlear Implant Department in PSG Hospital, India.

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