

Secondary Tracheoesophageal Puncture and Immediate Provox Insertion Under Transnasal Esophagoscopy

가톨릭대학교 이비인후과학교실

박 영 학*

Development was performed of a novel surgical technique for secondary tracheoesophageal puncture with immediate voice prosthesis insertion using office-based transnasal esophagoscopy in laryngectomized patients.

Five patients from 2013 underwent in-office secondary tracheoesophageal puncture with immediate voice prosthesis insertion using transnasal esophagoscopy.

Tracheoesophageal puncture was performed with electrocautery using transnasal esophagoscopy guidance. Immediate voice prosthesis insertion was performed using Provox Vega Smart Inserter.

Complication included one minor bleeding from puncture site which can be easily controlled by electrocautery.

Fluent conversational speech was achieved in all patients.

Immediate prosthesis insertion can eliminate the need for temporary stenting of the tracheoesophageal puncture with a catheter and allows for the earliest possible rehabilitation without complication.

In-office TNE-assisted tracheoesophageal puncture and immediate prosthesis placement can safely be performed, with excellent speech outcomes.