

Esotracheal Fistula in Esophageal Stenoses of Malignant Origin - Case Report

D. Sabău¹, A. Dumitra¹, A. Sabău¹, D. Maniu², A. Mitachescu³, S. Ilie⁴, R. Hulpus¹, G. Smarandache⁵

¹Surgery Clinic 2, Emergency Clinical Hospital Sibiu, University Lucian Blaga Sibiu, Romania

²Medical Imaging Clinic 1, Emergency Clinical Hospital Sibiu, University Lucian Blaga Sibiu, Romania

³Gastroenterology Clinic, Emergency Clinical Hospital Sibiu, University Lucian Blaga Sibiu, Romania

⁴Intensive Care Clinic 1, Emergency Clinical Hospital Sibiu, University Lucian Blaga Sibiu, Romania

⁵Universitary Emergency Hospital Bucharest, Romania

Abstract

Background: Approximately 80% of acquired eso-tracheal or mediastinal fistulae are of malignant nature. The occurrence of an eso-respiratory malignant fistula is a devastating complication for both patient and doctor, and, if not treated, records a survival time of 1 to 6 weeks.

Material and method: We present a patient, aged 51, smoker, with progressive dysphagia, at first to solids, then to semi-solids and liquids, followed by manifestation of post-deglutition cough due to eso-tracheal fistula, incapability of feeding, and decline of the general condition. Surgical intervention consists of esophageal transstenotic endo-prosthesing by transtumoral drilling with prosthetic montage and the occlusion of the eso-tracheal fistulous orifice.

Results: The post-operative evolution is favorable, the feeding per os resumes in 8 hours after surgery, good digestive tolerance. The radiologic examination using contrast medium, performed in 48 hours after surgery, reveals a permeable esophageal endo-prosthesis, without reflux of contrast substance in the tracheobronchial tree.

Conclusions: The laparo-gastroscopic montage of prosthesis through transtumoral drilling, using siliconized semi-rigid prostheses, represents the only efficient palliative treatment of malignant eso-tracheal or eso-bronchial fistula.

Key words: malignancy, eso-tracheal fistula, laparo-gastroscopic montage

Corresponding author: Dan Sabău, Universitary Professor
Department of Surgical Disciplines,
University Lucian Blaga Sibiu
Lucian Blaga street, nr. 2^a, 550169, Sibiu, Romania
E-mail: prof_dansabau@yahoo.com