



## Epidemiology and Clinical Characteristics of Esophageal Cancer: Ten Year Experience In A Tertiary Care Hospital Karachi, Pakistan.

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### ABSTRACT:

#### Background and Aim:

Esophageal cancer (EC) is an aggressive tumor that carries a poor prognosis. EC is the fourth commonest malignant tumor reported in Pakistan. Objective of this study was to assess epidemiological and clinical characteristics of esophageal cancer, identified over a 10-year period at the largest referral centre of Karachi, Pakistan.

#### Methods:

This retrospective study covered all histopathologically confirmed cases of esophageal carcinoma from endoscopic biopsy, seen within the 9-year period from January 2010 to 20 December 2019. The data was analyzed using SPSS v21.

#### Results:

Over the period of 10 years, 1066 patients with EC had been identified, 57 patients were excluded due to incomplete records. Their ages ranged from 15 to 92 years with a mean of  $49.26 \pm 14.24$  years. Female were 566 (56.1%) and male 443 (43.9%). Dysphagia and weight loss were the most common symptoms. Most of the patients were belonging to the province of Sindh 849 (84.1%). Beetle nuts, pan and gutka were the most predominant risk factors in 768 (76.1%) of patients. The most common EC type was squamous cell carcinoma 834 (83%) followed by Adenocarcinoma 175 (17%) of patients. EC predominantly involved mid to distal esophagus (67%).

**Keywords:** Esophagus, squamous cell carcinoma, adenocarcinoma, female, beetle nuts.



### Biography:

Dr Sabir Ali Soomro has completed his MBBS at the age of 23 years from Isra University Hyderabad, Pakistan, and did his house job of one year and medicine training of 2 years then cleared IMM exam, currently he is doing postgraduate FCPS training in Gastroenterology at Jinnah Post Graduate Medical Center Karachi Pakistan.

### Publications:

1. Liver diseases in pregnancy: trends and their consequence in mother and child.
2. Assessment of liver fibrosis with transient elastography in NAFLD patients.
3. Efficacy of pegylated interferon-alpha-2a in hepatitis D infected patients. Experience from the Tertiary Care Hospital in Karachi.
4. Epidemiological and Clinical Characteristics of Esophageal Carcinoma: A Four-Year Experience From Largest Referral Centre of Karachi, Pakistan: 2863.
5. Behaviour in Pakistan of some local wheat varieties to loose smut.

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