

**UPPER GASTROINTESTINAL MALIGNANCY IN PATIENTS  
UNDERGOING ESOPHAGOGASTRODUODENOSCOPY IN SANGLAH  
GENERAL HOSPITAL DENPASAR**

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**ABSTRACT**

**Background:** Upper gastrointestinal (UGI) malignancy is one of major causes of cancer related death. However, data of UGI malignancy in Indonesian health care center were limited. This study was aimed to determine the prevalence of UGI malignancy in patients undergoing esophagogastroduodenoscopy in Sanglah General Hospital Denpasar.

**Methods:** A retrospective study was conducted on 780 patients who had esophagogastroduodenoscopy in Endoscopy Unit of Sanglah General Hospital Denpasar between June 2012 and May 2014. Demographic, endoscopic and histopathological findings were documented.

**Results:** Of 780 patients undergoing esophagogastroduodenoscopy, 46 (5.9%) were confirmed with UGI malignancy. Thirty one (67.4%) patients were male. The mean age was  $55.91 \pm 10.995$  years. Of 46 UGI malignancy patients, 25 (54.3%) had gastric cancer, 14 (30.4%) with esophageal cancer, and 7 (15.2%) had duodenal cancer. From histopathological findings, 19 patients (41.3%) had adenocarcinoma gaster, 5 (10.9%) with signet ring carcinoma of gaster, 3 (6.5%) with GIST, 7 (15.2%) with adenocarcinoma of esophagus, 5 (10.9%) with squamous cell carcinoma of esophagus, and 7 (15.2%) with adenocarcinoma of duodenum. Thirteen (52%) cases of gastric cancer were located in antrum and 9 (36%) were located in corpus.

**Conclusions:** UGI malignancy was found in 5.9% undergoing esophagogastroduodenoscopy in Sanglah General Hospital Denpasar. The most frequent UGI malignancy was gastric cancer; while adenocarcinoma was the most frequent type of gastric cancer.

**Keywords:** esophagogastroduodenoscopy; upper gastrointestinal malignancy



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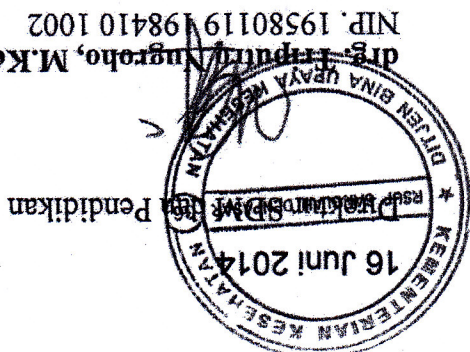
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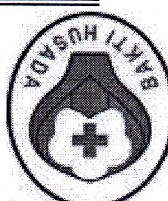


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