

Proportion of Gastric Carcinoma in the Tertiary Care Centre of a Medical Colleges in Mangalore

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Introduction

Gastric cancer remains one of the most common cancers in Asia. Gastric carcinoma is the third most common cancer in India and the second leading site of cancer occurrence worldwide. According to the data provided by the Department of Pathology, Kasturba Medical College, Mangalore and literature, incidence of gastric carcinoma is increasing. This study was done to find out the proportion of gastric cancer & the associated factors.

Method

A record based retrospective study was conducted in KMC Hospital, Attavar, Mangalore; KMC Hospital, Ambedkar Circle, Mangalore and Government Wenlock Hospital, Mangalore. The study subjects were the Gastric cancer patients admitted to the above mentioned hospitals during the year 2001 and 2010. The study was conducted in the month of April 2012. 192 case reports were found in the records of the mentioned hospitals in 2001 and 2010. Ethical clearance was obtained from the Institutional Ethics Committee to conduct the study. Tables and graphs were prepared. Data analysis was

done using "Chi square" test. The calculation was done by Statistical Package for Social Science [SPSS] version 17.0. 'p' value less than 0.05 was considered as significant.

Results

Our study concluded that the proportion of Gastric Carcinoma has increased in a span of 9 years from 5.77% in 2001 to 7.67% in 2010. Most of the patients belonged to the elder age (53.1%). The study showed male to female ratio as 2.3 : 1. Most of the patients were of 'O' Blood Group (38%) followed by 'B' (27%), 'A' (26%) and 'AB' (8%) blood groups. Most of the patients were hailing from Mangalore (42.55%) and most of them are Laborer (79.05%). Alcohol and smoking may be the probable cause of Gastric Carcinoma. According to the histopathological reports, most patients have poorly differentiated Gastric carcinoma (52.2%). Amongst the available data, all cases are diagnosed at III rd (11.5%) or IV th (88.5%) stage. The commonest site of Gastric cancer is distal 1/3rd part of stomach (58.82%), although number of cases involving Whole stomach has increased from 16.95% in 2001 to 31.53% in 2010. Most cases are of advanced type (95.9%) of Gastric Carcinoma and Subtotal gastrectomy (69.27%), Radical gastrectomy (13.71%) along with Chemotherapy (30.7%) is the main modality of treatment practiced in our tertiary care centers.