

Gross configuration and histological grading of Colorectal cancer

MIM De Zoysa, A Abayadeera, S.N. Pathirage

Department of Surgery, Faculty of Medicine, University of Colombo, Sri Lanka

Introduction:

Gross configuration of colo-rectal cancers include polypoidal growths, ulcers and circumferential tumours. This study was conducted to assess whether there is a difference in tumour grade in different gross configurations.

Methods:

Study was conducted retrospectively. All patients with histological diagnosis of colorectal cancer operated at professorial surgical unit of NHSL from January 2005 to December 2008 were studied. Data collected from Endoscopy reports, Pathology reports and BHTs of patients. Data were analyzed using descriptive statistics and SPSS 15 was used. Chi-square test was used to study the associations.

Results:

Of the 61 patients operated 59%(36) had polypoidal tumours, 21%(13) had ulcers and 20%(12) had circumferential tumours. There were 12 fully differentiated, 21 moderately and 2 poorly differentiated polyps. Of the 13 ulcers 6 were well differentiated, 6 moderately and 1 fully differentiated. Five out of 12 circumferential tumours were well differentiated and others were moderately differentiated.

There was no statistically significant association between tumour grade and gross configuration of the tumour ($p > 0.05$).

Discussion & conclusion:

In the study population commonest gross configuration of tumour was polypoidal followed by ulcers and circumferential growths. There was no statistically significant difference in histological grade between different gross configurations of colorectal cancers.