Surgical 61 gastrointestinal specimens are compared and analysed. We have done study of whole gastrointestinal specimens, Ahmedabad, Gujarat, India.

INTRODUCTION:
- We have evaluated only whole gastrointestinal specimens received from stomach to rectum (excluding all small biopsies).
- Majority of gastric carcinomas are adenocarcinoma.
- WHO classification subdivides gastric carcinoma into four predominant patterns: papillary, tubular, mucinous and poorly cohesive carcinoma (including signet ring cell carcinoma and other variants).
- WHO histology classification of adenocarcinoma of colon and rectum- Cribriform comedo, Medullary carcinoma, Micropapillary, Mucinous carcinoma, Serrated and signet cell carcinoma.
- Small intestinal Adenocarcinomas account for approximately 40% of small intestinal malignant tumors; however compared with colonic Adenocarcinoma they are uncommon. They are morphologically similar to adenocarcinomas elsewhere in the GI tract, but more often they are papillary.
- GI stromal tumors (GISTs) are mesenchymal neoplasms of the GI tract that formerly were often designated smooth muscle tumors. Two-thirds of GISTs arise from the stomach, and one-fourth arise from the small intestine; of the latter, one-third arise in the duodenum.
- Macroscopic- Circumscribed, solitary, rounded, or ovoid masses. On cross section, often with areas of hemorrhage, necrosis, myxoid change, or cavitary degeneration. Both benign and malignant GISTs have similar macroscopic appearances.
- Histologically- There are 8 different histological subtypes of GIST: spindle cell type and 4 epithelioid types. Epithelioid pattern is most common in the stomach and omentum. Spindle cell tumors composed of relatively uniform spindle cells in short fascicles or whorls. The cytoplasm is eosinophilic, and the nuclei are uniform and ovoid with vesicular chromatin. Approximately 50% of duodenal and small intestinal GISTs contain distinctive, round, oval, or elongated eosinophilic and PAS-positive aggregates of extracellular collagen referred to as skeinoid fibers.
- Previously the term GIST was applied to mesenchymal tumors of all type. However at present time this diagnosis should be restricted to neoplasm arising from the interstitial cells of cajal (GI pacemaker cell).
- In our study 100% of GIST are of spindle cell type and 4 epithelioid types.
- In our study 100% of GIST are of spindle cell type. Sex incidence is equal and the peak incidence is between fifth and eight decade of life.
- Out of total 61 cases, 4(6.56%) cases of GIST were studied, Out of 61 cases, 26 cases (42.62%) are neoplastic.
- We have evaluated total 61 cases of whole gastrointestinal specimens, Out of 4 cases of GIST, 1 is Benign, 1 is Intermediate and 2 are Malignant GIST.

MATERIAL AND METHODS:
- Retrospective study of 60 cases of gastrointestinal specimen which were received in pathology department at tertiary care centre of Municipal Corporation, Ahmedabad, Gujarat, India.
- Routine paraffin sections, H&E stain and PAS stain has been used.
- In diagnosing GIST, we used CD117 and CD 34.

OBSERVATION AND DISCUSSION:
- We have done study of total 61 cases of whole gastrointestinal specimens, Out of 61 cases, 26 cases (42.62%) are neoplastic. Out of 26 neoplastic lesions, 23 lesions are malignant, 1 is intermediate and 2 are benign.
- Out of total 61 cases, 23 lesions are malignant, 1 is intermediate and 2 are benign.
- To compare Benign, Intermediate and Malignant GIST. Out of 4 cases of GIST, 2 is Benign, 1 is Intermediate and 1 are Malignant GIST.

ABSTRACT:
Surgical 61 gastrointestinal specimens are compared and analysed. We have done study of only whole gastrointestinal specimens from stomach to rectum (excluding all small biopsy). Out of 61 cases, 26 cases are neoplastic. Out of 26 neoplastic lesions, 23 lesions are malignant, 1 is intermediate and 2 are benign.

AIM:
- Total 61 gastrointestinal specimens are compared and analysed.
- Our aim of study is to evaluate neoplastic lesions of GIT.
- Out of total 61 cases, 26 cases are neoplastic.
- Out of 26 neoplastic lesions, 23 lesions are malignant, 1 is intermediate and 2 are benign.
- To compare Benign, Intermediate and Malignant GIST. Out of 4 cases of GIST, 2 is Benign, 1 is Intermediate and 1 are Malignant GIST.
lesions, 23 lesions are malignant, 1 is intermediate and 2 are benign. Out of 60 no of total gastrointestinal specimen neoplasm, only 4 (16%) cases of GIST are diagnosed.

- Out of 26 neoplastic lesions, 23 lesions are malignant, 1 is intermediate and 2 are benign.
- Majority of cases are of Adenocarcinoma of gastrointestinal tract. Out of total 61 cases, 20 cases of Adenocarcinoma we have found and studied.
- 15-20% of colorectal Adenocarcinomas are Grade-I(low grade or well differentiated tumors), 60-70% are Grade-II (Moderately differentiated tumors), and 15-20% are Grade-III (Poorly differentiated tumors).
- In our study 75% of Adenocarcinomas are Moderately differentiated, 15% are High grade and 10% are Poorly differentiated tumors.
- Out of 4 cases of GIST 1 are malignant, 2 is benign and 1 is intermediate type. Out of 60 cases, 25 cases are neoplastic.
- In our study 4 cases of GIST were studied. In our study 50% of cases are malignant, and 100% of cases are of spindle cell type. Sex ratio is equal in our study and 50% of GIST arises from stomach, which is most common site in GIST.
- In our study only 1 case of hemangioma we have found. It is vascular lesion of intestinal tract. Hemangioma unassociated with systemic syndrome may be classified on the basis of the predominant vessel type as capillary, cavernous, venous, arteriovenous or mixed type.
- In our study 1 case of basaloid carcinoma is also found. It is subtype of squamous cell carcinoma of rectum.
- We didn’t have received any specimen of Lymphomas, Pure Squamous cell carcinoma or SCC.

<table>
<thead>
<tr>
<th>Total no of cases of GIT</th>
<th>Neoplastic lesions</th>
<th>Non Neoplastic lesions</th>
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</thead>
<tbody>
<tr>
<td>61</td>
<td>26</td>
<td>35</td>
</tr>
</tbody>
</table>

Table no 2: No of cases of GI Neoplasm

<table>
<thead>
<tr>
<th>GIT neoplasm</th>
<th>Adenocarcinoma</th>
<th>GIST</th>
<th>Hemangioma</th>
<th>basaloid carcinoma</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>20</td>
<td>4</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

CONCLUSION:

- In our study, we have evaluated mainly 61 GI specimens excluding small biopsies.
- Out of 26 neoplastic lesions, 23 lesions are malignant, 1 is intermediate and 2 are benign.
- Male Female Ratio 1:1.
- Majority of gastrointestinal neoplasm occurs between 40-60 years of age.
- Out of total 61 cases, 20 cases of Adenocarcinoma.
- Out of 4 cases of GIST 1 are malignant, 2 is benign and 1 is intermediate.

REFERENCE