

Health-Process-Evidence-Based- Clinical Practice Guidelines on Gastrointestinal Tumors

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What is Gastrointestinal Tumor?

- Any mass that can be found throughout the entire length of the gastrointestinal tract extending from the stomach to anorectum.

What are the common types of GI Tumor?

- Malignant
 - Adenocarcinoma
 - Lymphoma
 - Malignant Carcinoid
- Non Malignant
 - Inflammatory
 - TB Granuloma
 - Nonspecific Abscess (along GIT)
 - Amoeboma
 - Non Inflammatory
 - Polyps
 - Leiomyoma
 - Adenoma

What are the common types of GI tumor based on specific location

- Stomach (2ndMC)
- Intestine
 - small
 - Large (MC)
 - Age group

Causes	Malignant	Inflammatory	Nonmalignant noninflammatory
Genetics	+++	+	
Environmental (diet, socioeconomic status)	++	+++	
Self induced	+	++	

Causes	Malignant	Nonmalignant Inflammatory	Nonmalignant Noninflammatory
Pediatric			
Adult			
Gastric			
SI			

What are the causes of G.I Tumor?

- environmental factors
- genetic factors

DNA hypomethylation

activation of oncogenes

inactivation of tumor suppressor genes
alterations in DNA mismatch repair
genes.

What are the reliable signs and symptoms that will indicate that a patient has G.I

Tumor?

- Palpable intraabdominal mass associated with SSX of
 - GI Obstruction and bleeding
 -

What are the reliable signs and symptoms that will indicate that a patient has Gastric

Tumor

- Palpable Intraabdominal mass, epigastric area associated with signs of upper gut obstruction and /or bleeding.

What are the reliable signs and symptoms that will indicate that a patient has Large

Intestinal Tumor

- Palpable Intraabdominal mass, along the usual location of the large intestine associated with signs of lower gut obstruction and /or bleeding.

What are the reliable signs and symptoms that will indicate that a patient has Small

Intestinal Tumor

- Palpable Intraabdominal mass suggestive of GI tumors not in the epigastric along the usual location of the small intestine (periumbilical area) associated with signs of lower gut obstruction and /or bleeding.



If a paraclinical diagnostic procedure is needed in patient with suspected gastric tumor, what is the most cost-effective procedure?

- Endoscopy
- Barium swallow
- UTZ
- CT scan
- PFA

- For BRCA

If a paraclinical diagnostic procedure is needed in patient with suspected large intestinal tumor, what is the most cost-effective procedure?

- Colonoscopy (?s When indicated)
- proctosigmoidoscopy, anoscopy
- Barium enema
- UTZ
- CT scan
- PFA

- For BRCA

If a paraclinical diagnostic procedure is needed in patient with suspected anorectal tumor, what is the most cost-effective procedure?

- Colonoscopy (?s When indicated)
 - proctosigmoidoscopy, anoscopy with biopsy
 - Barium enema
 - UTZ
 - CT scan
- For BRCA

What is the most cost-effective treatment for gastric tumor?

treatment	malignant	Nonmalignant inflammatory	Nonmalignant noninflammatory
Operative			
Non operative			

What is the most cost-effective treatment for small intestine tumor?

treatment	malignant	Nonmalignant inflammatory	Nonmalignant noninflammatory
Operative			
Non operative			

What is the most cost-effective treatment for large intestine tumor?

treatment	malignant	Nonmalignant inflammatory	Nonmalignant noninflammatory
Operative			
Non operative			

What is the most cost-effective treatment for anorectal tumor?

treatment	malignant	Nonmalignant inflammatory	Nonmalignant noninflammatory
Operative			
Non operative			

What are the possible causes of G.I Tumors by region?

- Right Hypochondriac
 - hepatic flexure
 - small intestine
 - colon

What are the possible causes of G.I Tumors by region?

- Epigastric
- gastric
- duodenum
- transverse colon

What are the possible causes of G.I Tumors by region?

- Left Hypochondriac
 - Gastric tumors
 - Colonic tumors

What are the possible causes of G.I Tumors by region?

- Umbilical
- Small Intestinal tumors
- Gastric tumors

What are the possible causes of G.I Tumors by region?

- Right Lateral – Left Lateral
Colonic tumors

What are the possible causes of G.I Tumors by region?

- Hypogastric/Suprapubic
- Small intestine
- Colon

What are the possible causes of G.I Tumors by region?

- Right Iliac
 - Cecal and ascending colon tumors
 - Appendix mass
 - Small intestinal tumors

What are the possible causes of G.I Tumors by region?

- Left Iliac
 - Colonic tumors
 - Recto-sigmoid tumors

Stomach Tumors



What are the reliable Signs and Symptoms of gastric tumor?

- Palpable epigastric mass
- vague epigastric discomfort
- early satiety
- hematemesis
- melena

If a paraclinical diagnostic procedure is needed in patient with suspected gastric tumor, what is the most cost-effective procedure?

Ans:

Endoscopy

Endoscopy allows visualization of most lesions, obtains tissue for histologic examination, and yields the diagnosis in > 90% of patients. Stomach cancer is staged using CT and endoscopic ultrasound, which may indicate the depth of invasion.

What are the reliable signs and symptoms that will indicate that the patient has benign gastric tumor?

- Younger age group
- Slow growing palpable mass

What are the most common benign gastric tumors?

- leiomyoma
- hyperplastic
- adenomatous polyps

What are the reliable signs and symptoms
that will indicate that the patient has
malignant gastric tumor?



What are the most common malignant gastric tumor?

- Adenocarcinoma
- Lymphoma

What is the most cost-effective operative treatment for gastric tumor?

Ans:

Surgery

Subtotal gastrectomy- distal gastric lesions

Total gastrectomy- proximal lesions.

Small-Intestine Tumors



What are the reliable Signs and Symptoms of small intestinal tumor?

- Obstruction
- Palpable mass

What are the most common benign small intestinal tumors?

- Adenomatous polyps
- Leiomyoma
- Lipoma
- Hemangioma

What are the most common malignant small intestinal tumor?

- Carcinoid tumor
- Adenocarcinoma
- Lymphoma
- Leiomyosarcoma

Colorectal Tumors



If a paraclinical diagnostic procedure is needed in patient with suspected colonic tumor, what is the most cost-effective procedure?

Ans: colonoscopy

What are the most common benign colorectal tumors?

- Adenomatous polyps
- Inflammatory polyps
- Lipomas
- Hemangiomas
- Leiomyomas
- Hyperplastic polyps



What are the most common malignant colonic tumor?

- Adenocarcinoma
- Lymphoma
- Leiomyosarcoma
- Carcinoid tumors

What are the most common symptoms of right sided colonic tumors?

- Palpable mass
- Abdominal pain
- Hematochezia
- Anemia

What are the most common symptoms of left sided colonic tumors?

- Obstruction
- Vomiting
- Abdominal distention
- Abdominal pain
- Palpable mass

Reference

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