

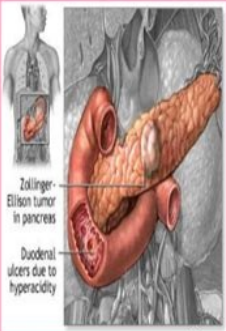
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Next

:Zollinger-Ellison syndrome

- A large amount of excess acid is produced in response to the overproduction of the hormone gastrin, which in turn is caused by tumors on the pancreas or duodenum. These tumors are usually malignant, must be removed and acid production suppressed to relieve the recurrence of the ulcers.



Zollinger-Ellison syndrome
Tumor secretes gastrin
Gastrin causes gastric hyperacidity

Barium X-ray examination (less expensive method of diagnosing peptic ulcer).
But X-ray examination does have some limitations:

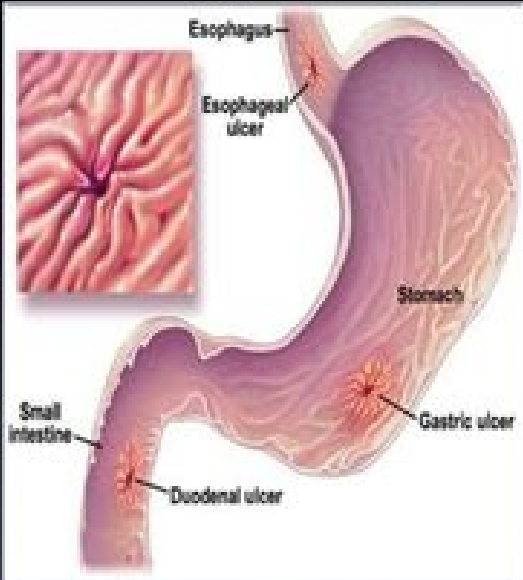
- ✗ It is unable to define mucosal disease ex: gastritis.
- ✗ It is not definitive in differentiating benign from malignant gastric ulcer.
- ✗ It cannot delineate superficial, subacute gastric or duodenal erosions.
- ✗ It cannot define complete healing of an ulcer.
- ✗ Furthermore, as an ulcer heals, the surrounding tissue, especially in the duodenum, becomes scarred and deformed and radiologic assessment of activity of the ulcer becomes more difficult.





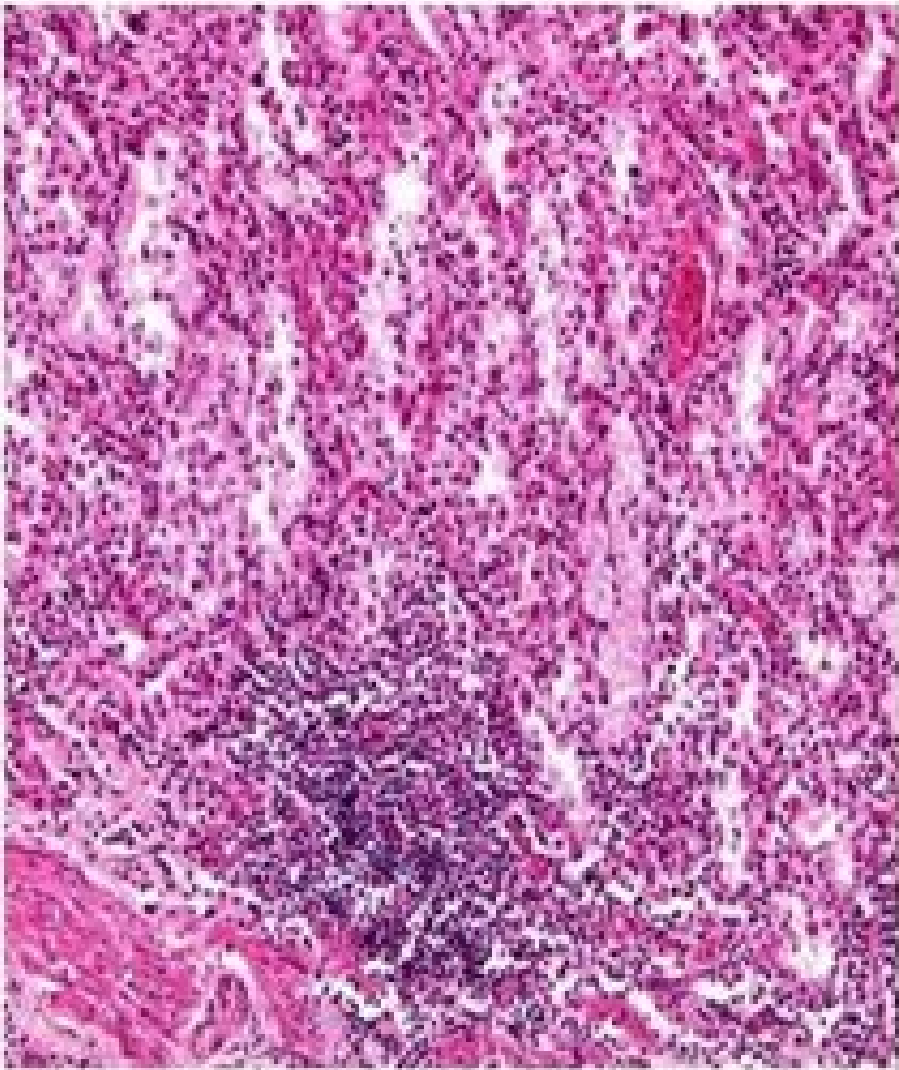
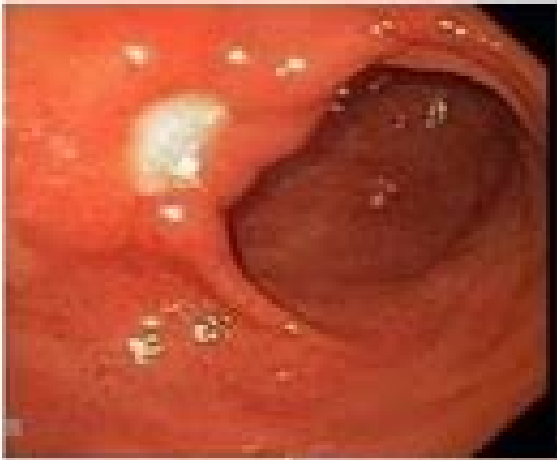
DEFINITION

- Peptic ulcers are defects in the gastric, duodenal or esophageal mucosa that extend through the muscularis mucosa and may reach the submucosa



Esophagus—
Esophageal ulcer
Stomach
Gastric ulcer
Small intestine—
Duodenal ulcer

Peptic Ulcer Disease



Peptic Ulcer Disease



- Half of major UGIB w/ mortality of 6-10%.
- Chronic ulcers, caused by exposure to acid & pepsin
- Usually solitary
- Size ranges from ~ 0.6 - 4 cm
- Most common in duodenum and antrum

for the Study of Liver Diseases, American College of Gastroenterology, American Gastroenterological Association, American Society for Gastrointestinal EndoscopyDisclosure: Nothing to reveal. Chief Editor Philip O Katz, MD, FACP, FACCAGAS © member of the following mother societies © Tips: American College of Gastroenterology, American College of Physicians, American Gastroenterological Association, American Society for Gastrointestinal EndoscopyDisclosure: Serve(d) as speaker or member of a speaker's office for: Medtronic

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