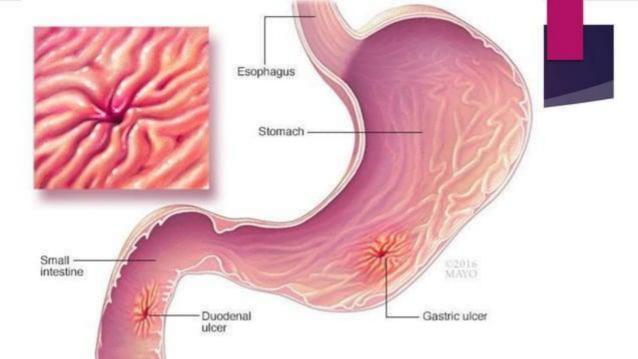
# PEPTIC ULCER



### INTROCDUCTION

- It is defined as a breakdown in continuity of mucus membrane of duodenum, esophagus and stomach by pepsin and acid are present in abnormally high concentrations.
- Peptic ulcers are sores that develop in the lining of the stomach, lower esophagus, or small intestine. They're usually formed as a result of inflammation caused by the bacteria H. pylori, as well as from erosion from stomach acids.



#### DEFINITION

 Peptic ulcers are open sores that develop on the inside lining of stomach and the upper portion of small intestine



#### **TYPES**

There are three types of peptic ulcers:

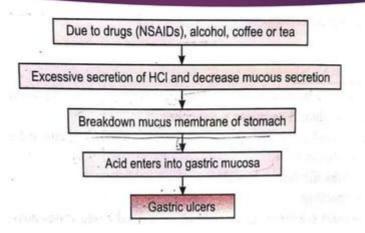
- ▶ Gastric ulcers: ulcers that develop inside the stomach
- Esophageal ulcers: <u>ulcers</u> that develop inside the esophagus
- Duodenal ulcers: ulcers that develop in the upper section of the small intestines, called the duodenum

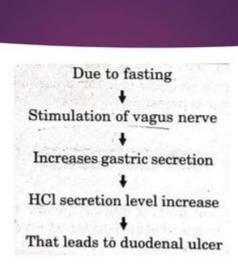
Gastric Ulcer	Duodenal Ulcer
1. They occur in stomach.	They occur in duodenum.
<ol><li>They cause by injury like substances, alcohol, aspirin, NSAIDs, drugs.</li></ol>	But these are cause by HCl secretion by vagus nerve stimulation in fasting period.
<ol> <li>Pain in left epigastric region in gastri ulcer.</li> </ol>	c 3. Pain in right epigastric region.
4. Nausea is common.	4. Rarely.
5. Vomiting with blood occurs in this ca	se. 5. Stool with blood.
6. Weight loss.	6. No weight loss.
7. Pain starts just after taking food.	7. Onset of pain after 2-4 hrs. of taking food.
8. Pain is present while hungry.	8. Absent.
9. Pain is regular.	9. Not regular.
10. Malignancy is not common.	10. Common.

#### **ETIOLOGY**

- Helicobacter pylori (H. pylori), a type of bacteria that can cause a stomach infection and inflammation
- Frequent use of <u>aspirin</u> or other anti-inflammatory drugs (risk associated with this behaviour increases in women and people over the age of 60)
- Smoking
- Drinking too much alcohol
- Radiation therapy
- ▶ Stomach cancer

#### **PATHOPHYSIOLOGY**



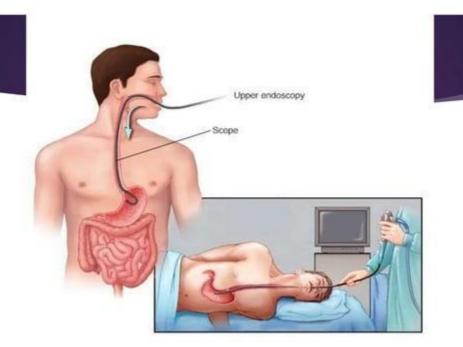


#### CLINICAL MANIFESTATIONS

- The most common symptom of a peptic ulcer is burning abdominal pain that extends from the navel to the chest, which can range from mild to severe. In some cases, the pain may wake you up at night. Small peptic ulcers may not produce any symptoms in the early phases.
- Other common signs of a peptic ulcer include:
- Changes in appetite
- Nausea
- Bloody or dark stools
- Unexplained weight loss
- ▶ Indigestion
- Vomiting
- Chest pain

## Diagnostic tests

- Medical history
- Physical Exam
- Lab tests
- Upper gastrointestinal (GI) endoscopy and biopsy
- Upper GI series
- Computerized tomography (CT) scan



#### COMPLICATIONS

- Perforation leading to peritonitis
- Haemorrhage by erosion of vessel in base
- Penetration of surrounding organ (liver/pancreas)
- Obstruction (by scarring) pyloric stenosis
- (Cancer rare event in true peptic ulcer)

#### MANAGEMENT

- Antibiotic medications to kill H. pylori. If H. pylori is found in your digestive tract, your doctor may recommend a combination of antibiotics to kill the bacterium. These may include amoxicillin (Amoxil), clarithromycin (Biaxin), metronidazole.
- Proton pump inhibitors also called PPIs reduce stomach acid by blocking the action of the parts of cells that produce acid. These drugs include the prescription and over-the-counter medications omeprazole (Prilosec), lansoprazole (Prevacid).
- Acid blockers also called histamine (H-2) blockers reduce the amount of stomach acid released into your digestive tract, which relieves ulcer pain and encourages healing...ex. ranitidine



ingredients.

# THANK YOU