

**#MADEEASY**



**PEPTIC ULCER**

**DISEASE**





# Pathogenesis?

- **Disorder of the gastrointestinal tract characterised by ulcer formation.**
- **Ulcer is basically a break in the mucosal lining due to damage.**
- **Imagine it to be like a 'gaddha' or a pothole formed on the road. It occurs when there is a long-standing damage to the road.**
- **Associated with chronic gastritis:**
  1. **Increased secretion of acid**
  2. **Decreased mucosa protective mechanisms**
- **Damage to the mucosal wall leads to formation of chronic mucosal ulcers of stomach/duodenum.**
- **This break in mucosa reaches up to muscularis mucosa.**
- **It can occur due to increased traffic OR**
- **Due to low quality of the materials used in road-making.**



## What are the risk factors?



- ***Infection with Helicobacter pylori***
- ***NSAID consumption***
- ***Smoking***
- ***Psychological stress***
- ***Physiological stress***
- ***Cushing's ulcer: ulcer caused by Increased Intracranial pressure***
- ***Curling ulcer: ulcer caused by severe burns***
- ***Zollinger-Ellison syndrome***
- ***Increased production of gastrin***
- ***It can be caused due to infestation by rats (H pylori), stress on the road and smoke.***



# Clinical Presentation

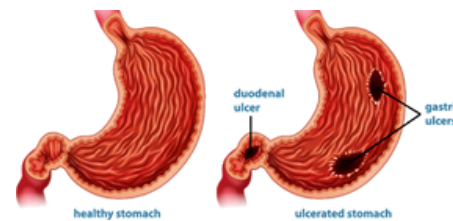


- ***Mostly asymptomatic***
- ***Epigastric pain***
- ***Burning pain***
  1. ***May mimic Myocardial infarction***
  2. ***May radiate to chest, back***
- ***Nausea, vomiting***

# What is the Location?



- **First part of duodenum (duodenal ulcer)**
- **Lesser curvature of antrum in stomach (gastric ulcer)**
- **It usually occurs at turning points.**
  1. **Most common site is right when duodenum road is starting.**
  2. **The next site is where stomach road is starting.**



	Duodenal ulcer	Gastric ulcer
Location	1 <sup>st</sup> part of duodenum	Lesser curvature
Cancer risk	Not associated	Pre-malignant condition
Cause	Increased acid production	Decreased protective mechanism
Epigastric pain	Relieved on consumption of food. Occurs few hours after meal.	Aggravated by consumption of food. Occurs immediately after consumption.
Weight	<b>Weight gain</b>	<b>Weight loss</b>
Complications	Gastric outlet obstruction Perforation (may lead to peritonitis) Melena (bleed from Gastro <b>duodenal</b> artery)	Hematemesis (bleed from Left <b>Gastric</b> artery) Perforation

**People with Duodenal ulcer have a big, fat Dad tummy. They are like the typical Indian dad, big tummy, always complaining of acidity and eats a lot of food. But they are the sweetest and not dangerous (not associated with cancer).**

