

XVII. Diseases of the Digestive System

Acute peptic ulcer:

- Is common especially in the form of small multiple superficial ulcers occurring at any part of the stomach (or rarely duodenum).

The causes:

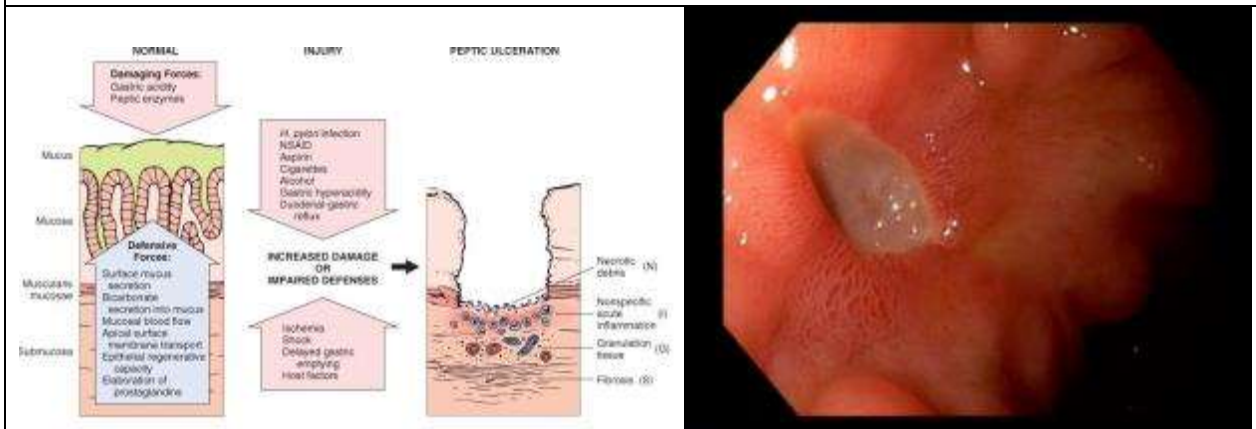
1. Infectious diseases; lobar pneumonia.
 2. Bacterial toxins; septicemia.
 3. Severe or extensive superficial burns of skin (**Curling's ulcer especially in duodenum**).
 4. Cerebral haemorrhage; pituitary tumours (**Cushing's ulcer**).
 5. Irritant drugs; hot irritating food; acute gastritis.
 6. Unknown causes.
- The acute ulcer may start as such or as erosion (shallow haemorrhagic and small).
 - This affects the mucosa only; then, it spreads deeply and may penetrate the stomach-layers.
 - It may show no inflammatory changes, no pus and no congestion but is surrounded by a zone of oedema.

Fate:

1. *Healing (rapidly and completely specially so in the stomach).*
2. *Chronicity (especially in the duodenum).*

Complications:

1. *Haemorrhage → hematemesis (from erosion of a blood vessel).*
2. *Perforation → peritonitis.*



Peptic Ulcer (chronic gastric) III-3.18 12

<i>Stomach:</i>	Shows ulceration Site				
<i>The ulcer:</i>	<i>Size:</i>	<ul style="list-style-type: none"> • At lesser curvature • Near gastro-pyloric junction • About 4 cm. (or less) 			
	<i>Shape:</i>	<ul style="list-style-type: none"> • Rounded-to-ovoid 			
	<i>Walls:</i>	<ul style="list-style-type: none"> • Overhanging proximally • Sloping sides distally 			
	<i>Edges:</i>	<ul style="list-style-type: none"> • Rather rounded Floor • Deep Penetrating into musculosa • Smooth and rather clean 			

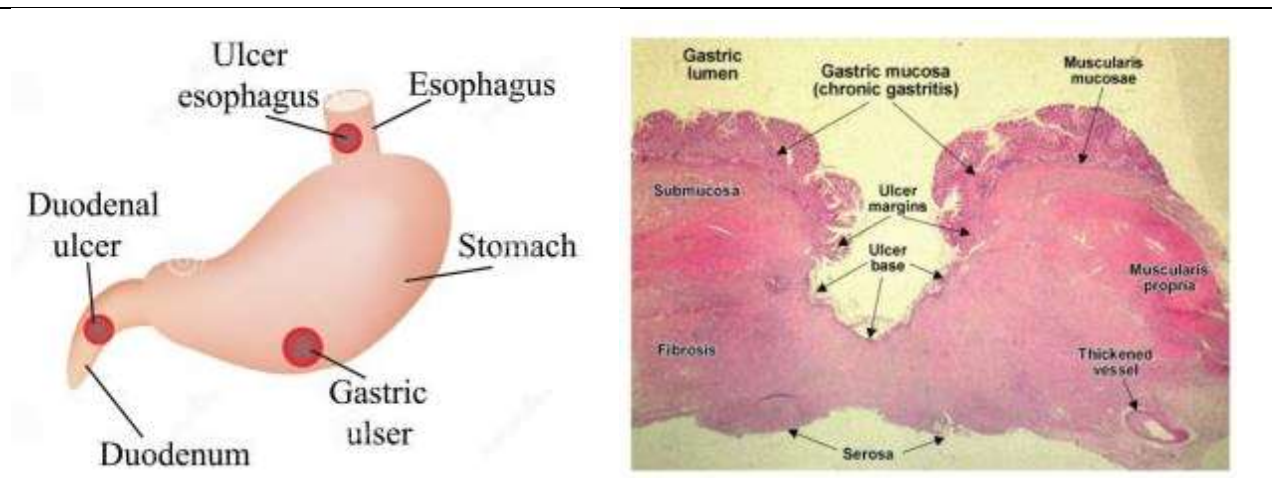
	Base:	<ul style="list-style-type: none"> Fibrosed Pale greyish-white Fibrous puckering at serosa 	
	Appearances:	<ul style="list-style-type: none"> Somewhat necrotic and fibrotic 	
	Consistence:	<ul style="list-style-type: none"> Firm (indurated) 	

N.B.1

- A common site for chronic peptic gastric ulcer is**
 - The "ulcer-bearing area" which includes the lesser curvature and the adjacent surfaces of the stomach from the incisura angularis till about 2 cm. from the pylorus; also
 - The prepyloric region (and actually any part of the stomach).

N.B. 2

- Sites other than the stomach** are those parts of the alimentary tract exposed to excess acid gastric secretion (and pepsin) namely,
 - Duodenum (common),**
 - Lower part of oesophagus,**
 - Margins of gastroenterostomy opening and**
 - Occasionally Meckel's diverticulum.**



Chronic Peptic Ulcer		III -3. 1853	
Stomach	Shows an ulcer		
	The ulcer:	Site:	<ul style="list-style-type: none"> At lesser curvature
		Size:	<ul style="list-style-type: none"> About 3 cm.
		Shape:	<ul style="list-style-type: none"> Rounded punched out defect
		Walls:	<ul style="list-style-type: none"> Show much fibrosis and are straight
		Edges:	<ul style="list-style-type: none"> Slightly raised (in parts) Slanting-sloping (in other parts)
		Floor:	<ul style="list-style-type: none"> Deep and smooth Evidences of perforation
		Consistence:	<ul style="list-style-type: none"> Firm markedly

**FOODS TO AVOID
IF YOU HAVE A
STOMACH
ULCER**



ALCOHOLIC
BEVERAGES



MILK AND OTHER
DAIRY PRODUCTS



COFFEE



RED MEAT



CARBONATED
DRINKS






SALT AND
SALTY FOODS

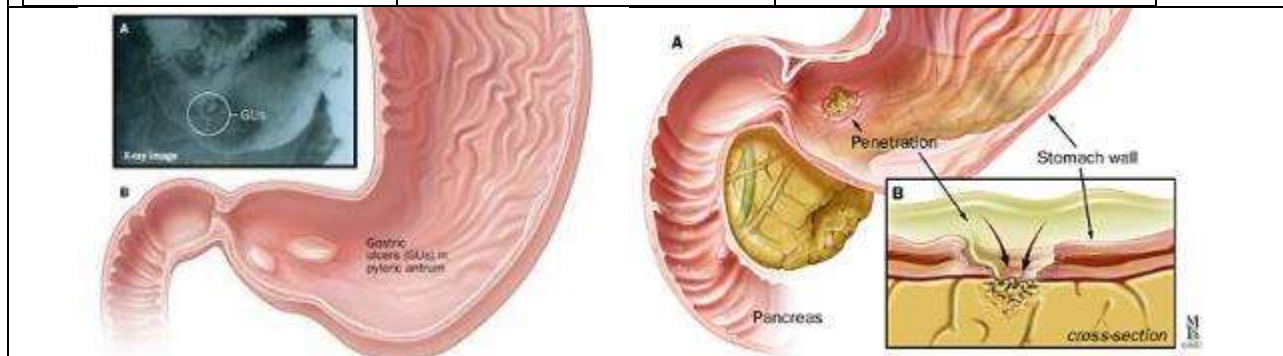


**Top 10
Home Remedies**
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Home Remedies for Peptic Ulcer

<p>Peruajek leaves contain compounds that can heal peptic ulcers.</p> 	<p>Peter's antibiotic omeprazole (Lansoprazole) was found to be helpful in treatment of duodenal and gastric ulcers.</p> 	<p>Dry, ripe bananas contain polyphenols which increase digestive tract motility.</p> 	<p>Raw honey has an antipruritic (calms gastric pain) when produced hydrogen peroxide (helps in killing harmful bacteria).</p> 
<p>Eating raw 3-5 cloves of crushed garlic daily helps in easing the inflammation of the stomach and prevents peptic ulcers.</p> 	<p>Chinese pepper contains capsaicin that helps in regulating the digestive system and promotes the production of healthy mucus.</p> 	<p>Apply a teaspoon of powdered bark of the slippery elm to a cup of warm water and mix it well. Drink twice daily for relief.</p> 	<p>Coconut oil has certain antibacterial properties that will help in healing gastric ulcers.</p> 

		
<p>Figure 119 <i>Nature</i> Acute Peptic Ulcer (stomach) <i>Specimen No.</i> III-3.1851 <i>Reference P.</i> 226</p>	<p>Figure 120 <i>Nature</i> Early Chronic Peptic Ulcer (stomach) <i>Specimen No.</i> III-3.1852 <i>Reference P.</i> 227</p>	<p>Figure 121 <i>Nature</i> Chronic Peptic Gastric Ulcer (perforating) <i>Specimen No.</i> III-3.1853 <i>Reference P.</i> 227</p>



PEPTIC ULCER DISEASE (PUD)



MORPHOLOGY GROSS

- Round to oval, sharply punched-out defect
- Mucosal margin usually level with the surrounding mucosa or only slightly elevated
- Radiating mucosal folds
- Base is smooth and clear, owing to the peptic digestion of exudates

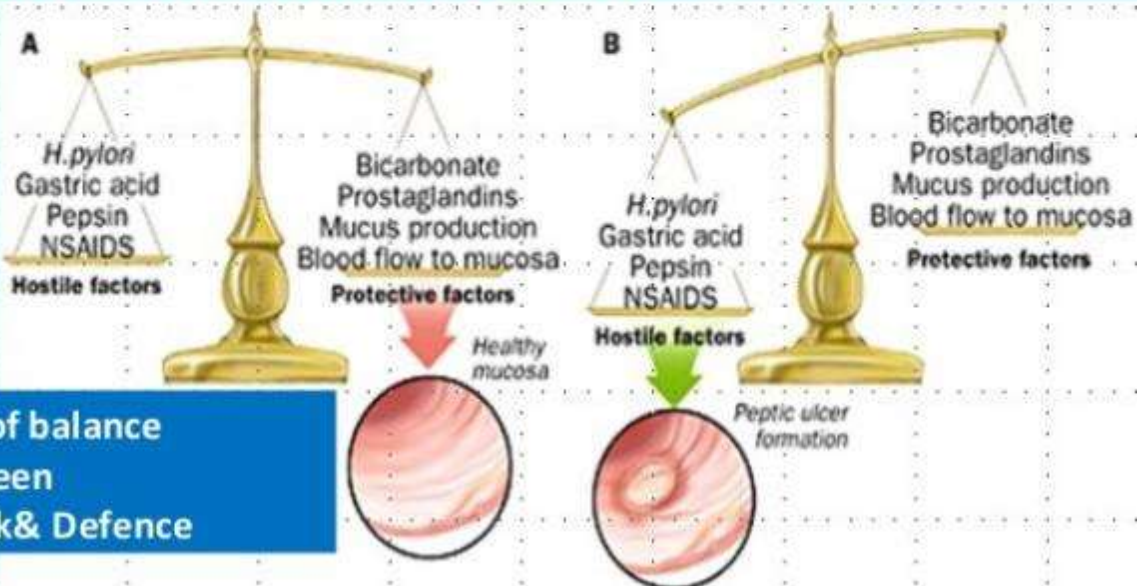


Peptic Ulcer Disease

Pathogenesis :

Ulcers are caused by loss of balance
Between protective & Hostile factors.

Protective factors vs. hostile factors



Loss of balance
between
Attack & Defence