MEDICINAL CHEMISTRY-II
Unit-1 | Part-2

PHARMACY INDIA

GASTRIC PROTON PUMP INHIBITORS

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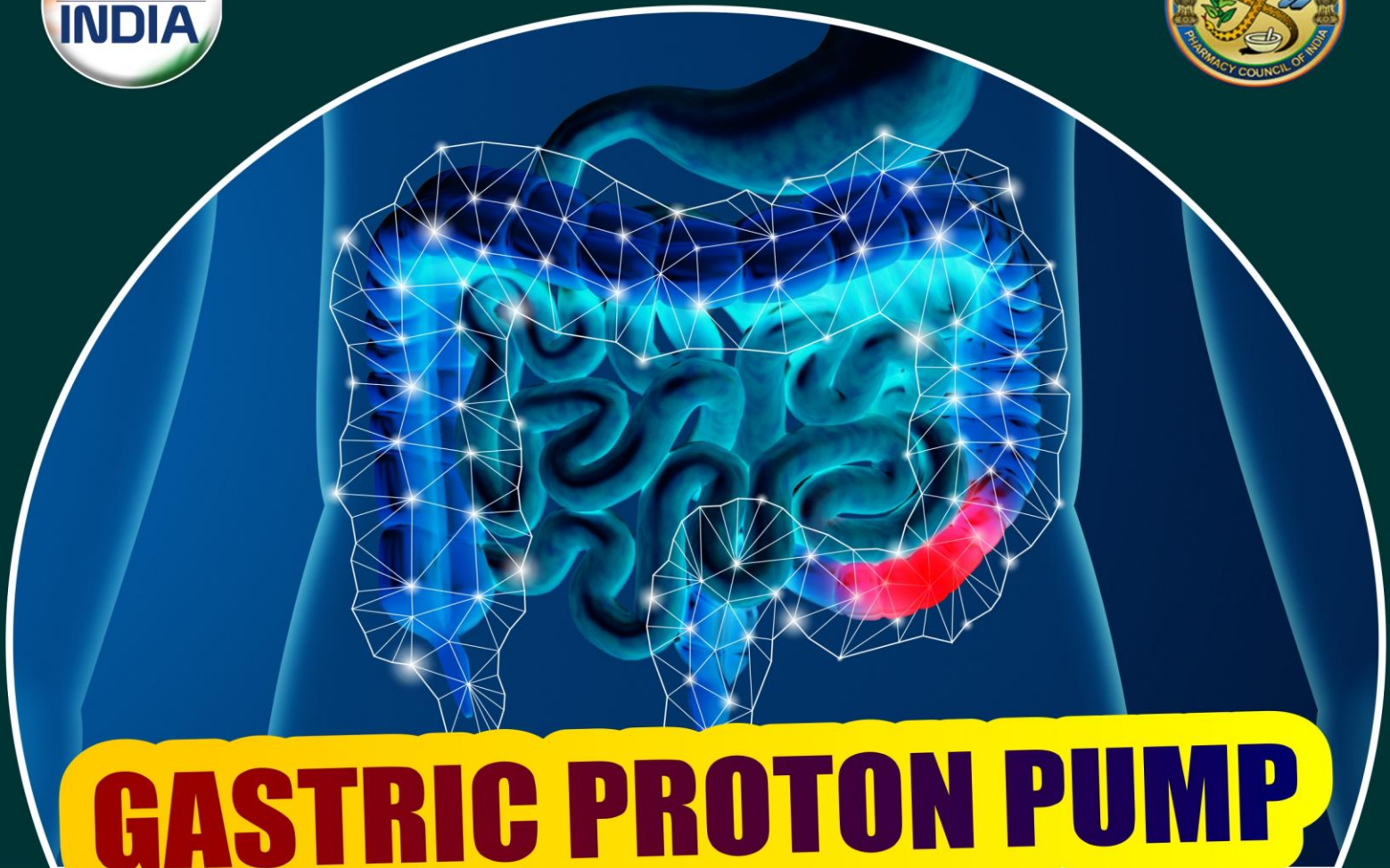
MORE INFORMATION:
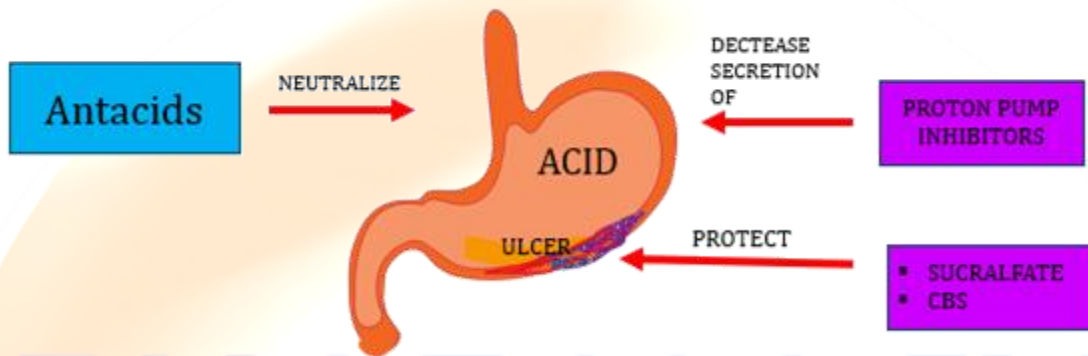CALL US NOW
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B. PHARMA 5TH SEM ONE SHOT NOTES
## UNIT-1 | PART-2
GASTRIC PROTON PUMP INHIBITORS

INTRODUCTION

- PPIs reduce the acid production by blocking the enzyme present in the stomach wall.
- Reduction in the production of acid by stomach present in the wall.
- Reduction in the production of acid by stomach prevents the occurrence of ulcers & also facilitates the healing of ulcers already existing in the oesophagus, stomach & duodenum.

❑ **MECHANISMS OF ACTION OF PPIS**
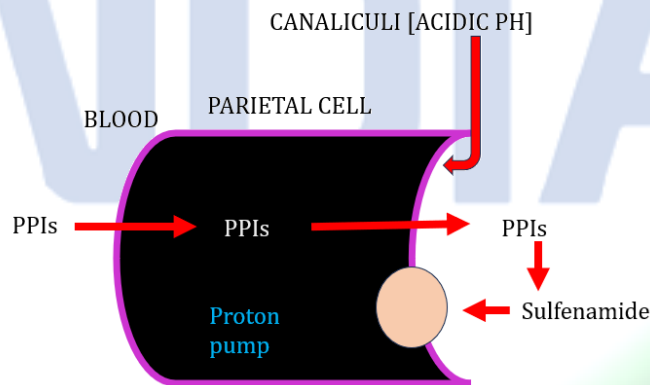
Drug	Uses	Structure
Omeprazole	▪ **Used in the treatment of duodenal ulcer, gastric ulcer, and pathological hypersecretory conditions**	

Drug	Uses	Structure

Lansoprazole	▪ Used in the treatment and prevention of NSAIDs-induced gastric ulcers as well as Zollinger–Ellison syndrome.	

Drug	Uses	Structure
Rabeprazole	▪ It is used in gastric ▪ Hypersecretory disorders. ▪ It is used for treating duodenal ulcers with or without anti-infectives for Helicobacter pylori. ▪ It is also used for curing the daytime or night time heartburn	

Drug	Uses	Structure
Pantoprazole	▪ It is used in the treatment of pathological hypersecretory conditions related to Zollinger-Ellison syndrome or other neoplastic conditions. ▪ Pantoprazole delayed-release oral suspension is used for short-term treatment of erosive esophagitis related to GERD.	

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