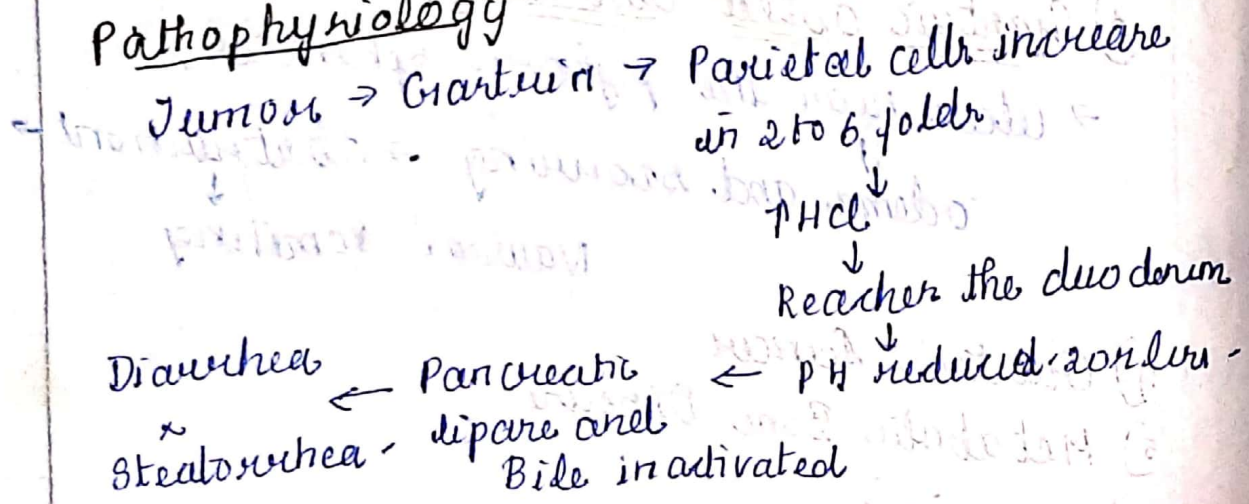


Zollinger Ellison syndrome

- Rare disorder by the triad of gastric acid hypersecretion, peptic ulceration and a neuroendocrine tumor of the pancreas or duodenum (gastrinoma).
- It accounts for 0.1% of peptic ulceration.
- Affects all sex, at any age mostly in 30-50 age.

Pathophysiology



- 60% are malignant.
- 20-60% have MEN type 2.
- Tumor size range from 1mm to 20cm.

Clinical features:

- 1) Multiple peptic ulcer in unusual sites.
↳ Oesophagus, post bulbular jejunum or oesophagus duodenum.
- 2) Poor response to ulcer therapy.
- 3) Malabsorption of fat and diarrhea is the main presenting feature.
- 4) Bleeding & Perforation are common.

Investigation

- 1) Gastric aspiration → Hyperacidity.
- 2) ↑ Serum Gastrin (10 to 1000 fold).
- 3) Injection of secretion producer ↑ Gastrin.
- 4) CT & EUS (Endoscopic ultrasound)
- 5) Gallium DOTATE PET Scanning for staging.