

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

GIT practical slides

2nd year 2024

- **The assigned slides:**

- 1. Lip**
- 2. Tongue x 2**
- 3. Parotid gland**
- 4. submandibular**
- 5. Esophagus (dog)**
- 6. Stomach (fundus)**
- 7. Gastro-esophageal junction**
- 8. Pyloro-duodenal junction**
- 9. Recto-anal junction**
- 10. Duodenum**
- 11. Ileum**
- 12. appendix**
- 13. Colon (large intestine)**
- 14. Liver**
- 15. Pancreas**

(minor salivary
gland)

المواد في الامتحان النظري
قد يكون عن:

site, function, characteristics

Tongue

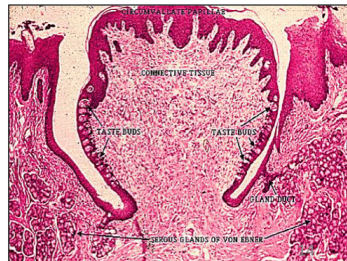


muscle
skeletal muscle

Circumvallate papillae



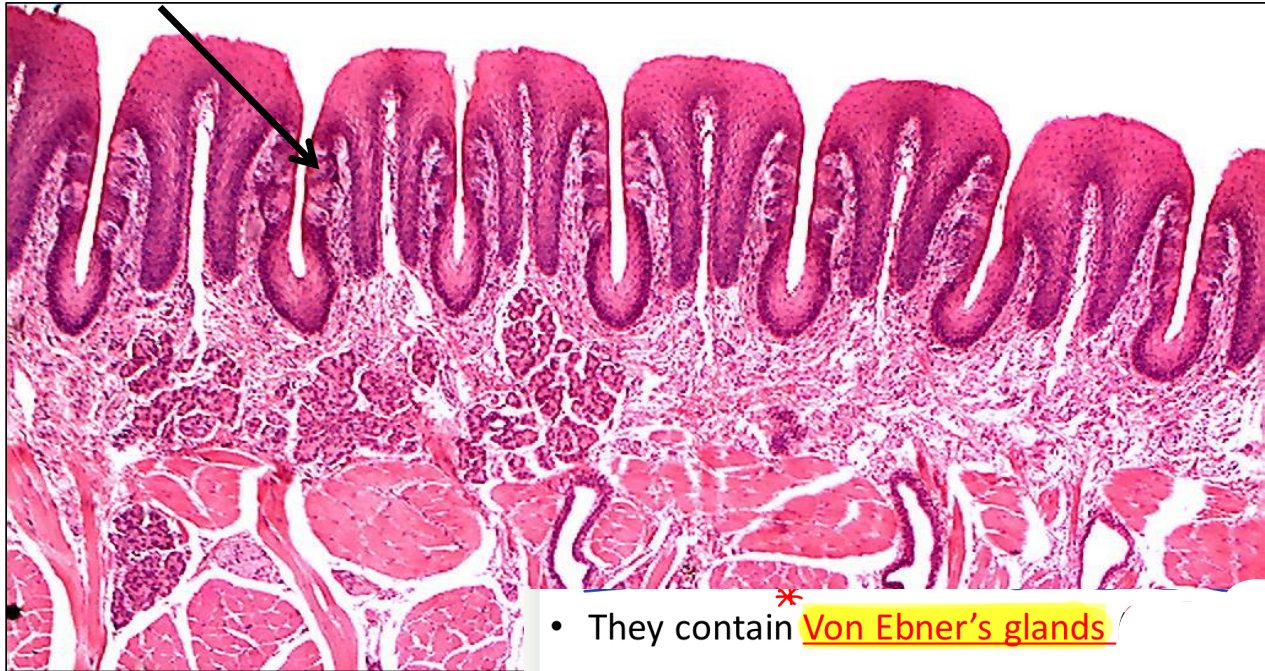
- They contain *** Von Ebner's glands** (serous, begin lipid hydrolysis) in lamina propria *جسدية*
- They covered e **Non- k.st.squ.epith**
- Taste buds present on **the lateral sides of these papillae**



Foliate papillae

Tongue

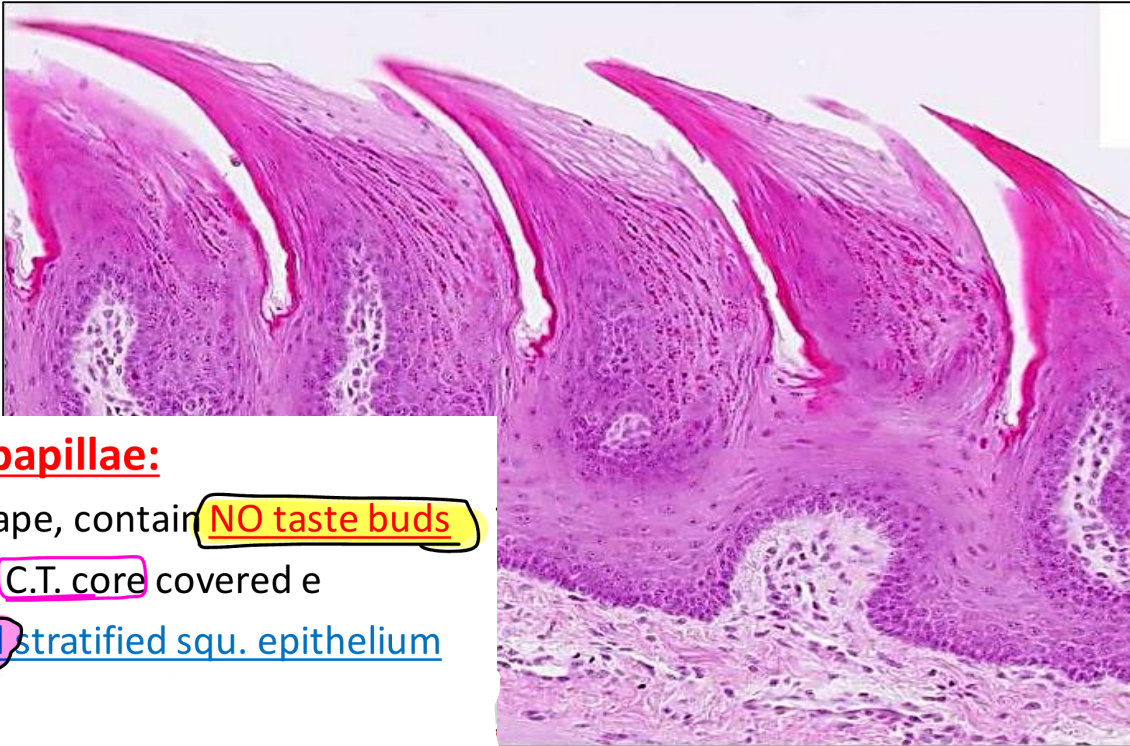
Taste buds



- They contain ^{*}Von Ebner's glands
- Taste buds present on the lateral sides of these papillae

Filiform papillae

Epithelium : keratinized stratified squamous epithelium, No taste buds



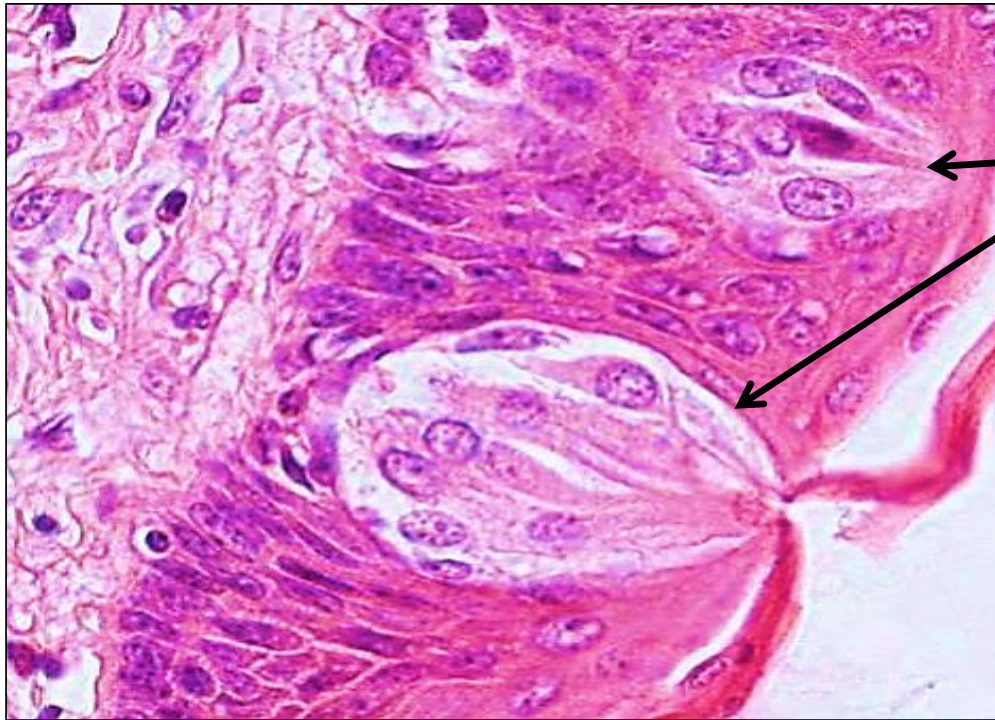
○ Filiform papillae:

- Conical shape, contain **NO taste buds**
- Formed of **C.T. core** covered e
keratinized stratified squ. epithelium

☆ فقط هذه
→ to make it rough.

☆ called : Mechanical papillae → because it has no
No taste buds.

Taste buds



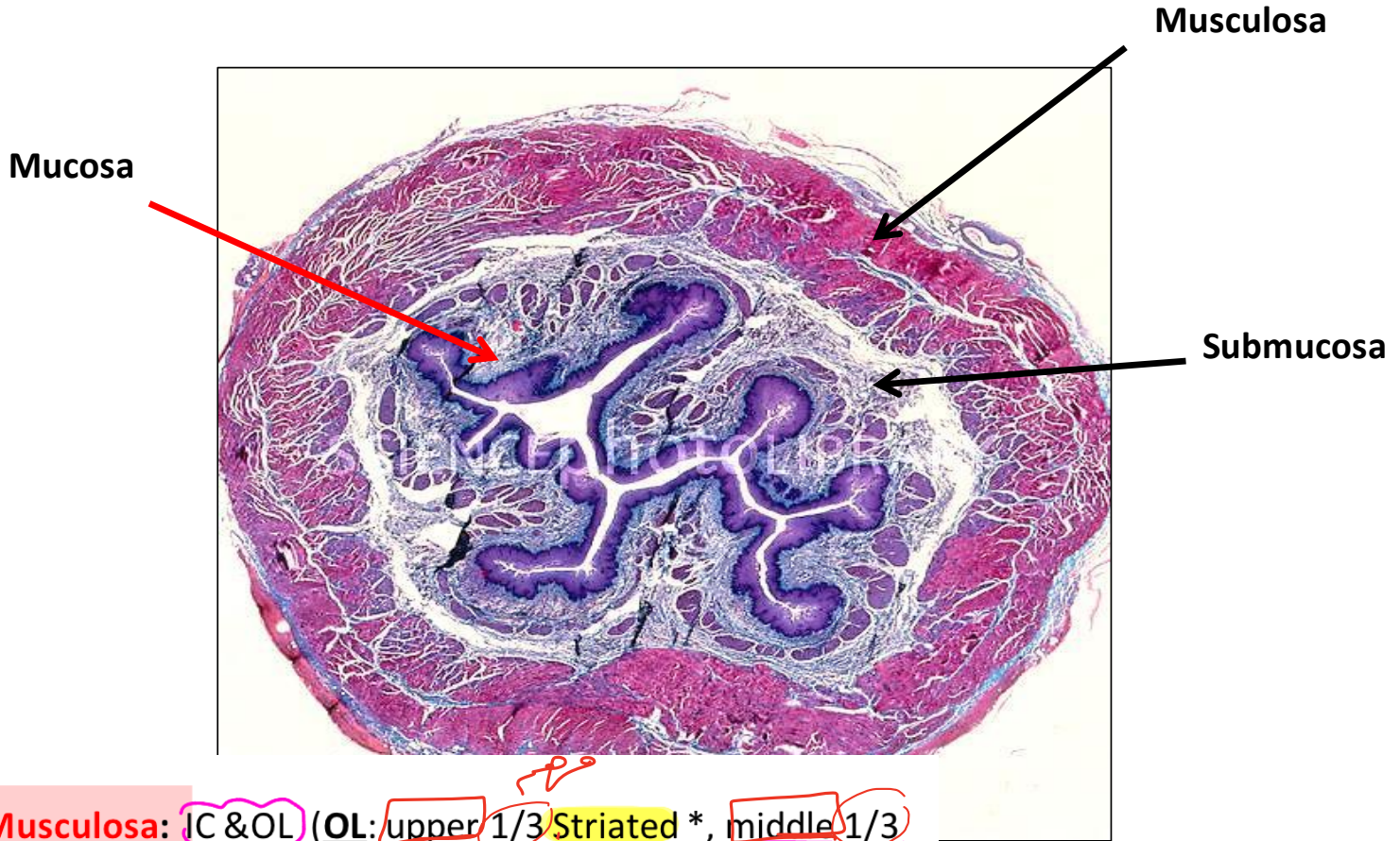
ion transporting
cell
mitochondria

11-25

#

(26)

Esophagus

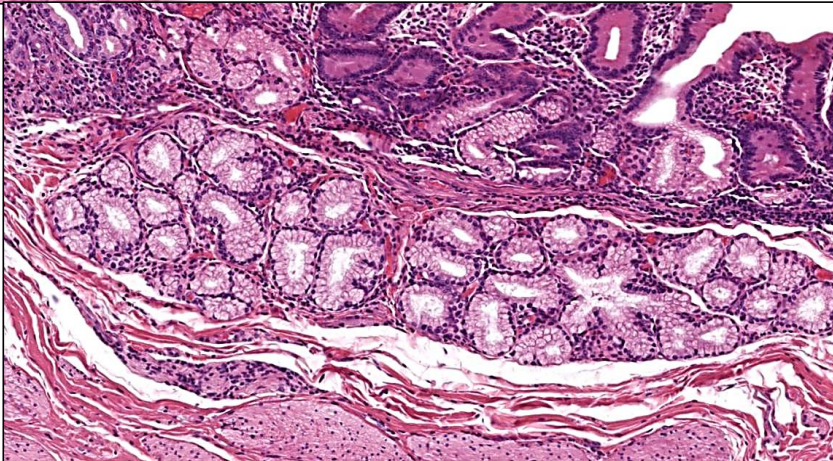
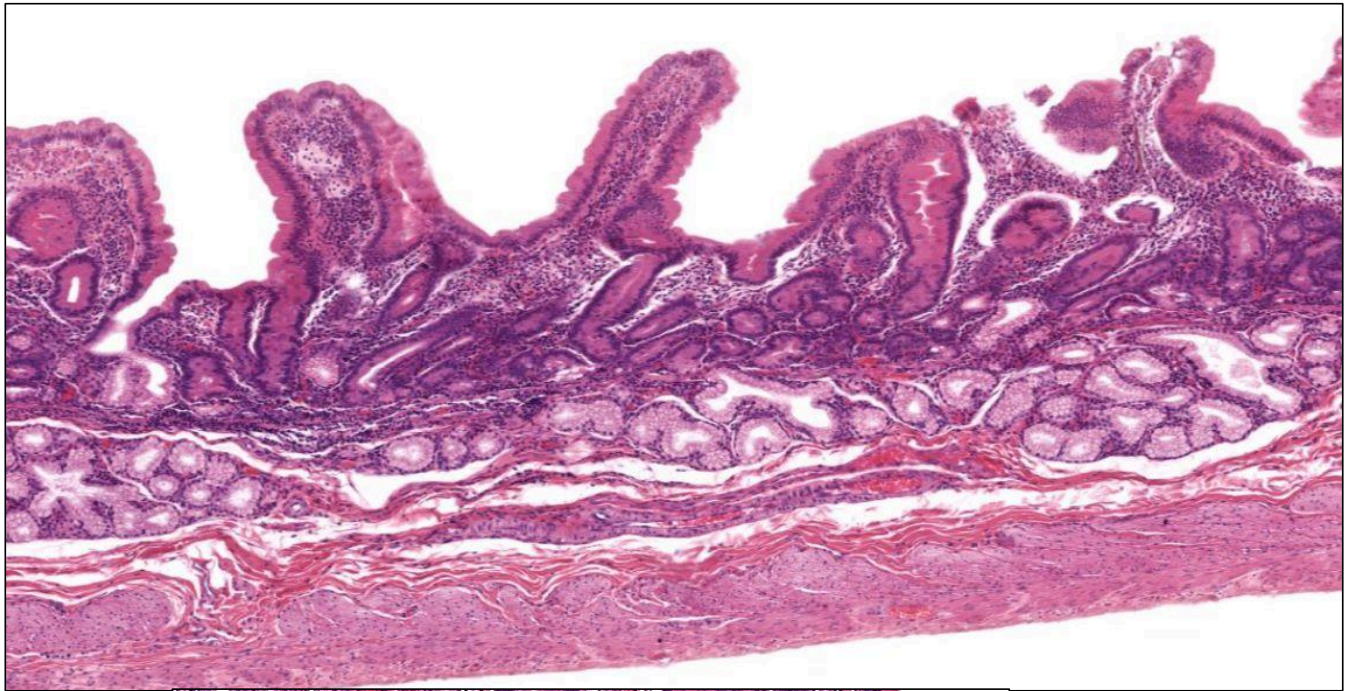


- **Musculosa:** IC & OL (OL: upper 1/3 Striated *, middle 1/3 mixed & lower 1/3 smooth ms.) NB: swallowing start with controllable motion but finishes with involuntary peristalsis

#



Pyloro- duodenal junction
Gastro-duodenal junction



Brunner's glands

سلايد مهم نظري :

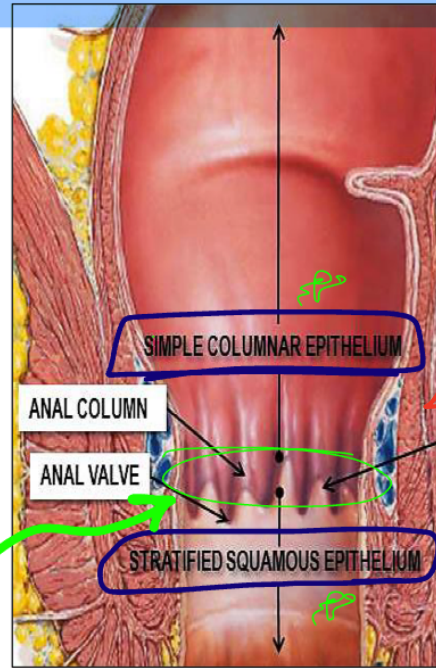
The anal canal

The mucosa of the anal canal shows permanent vertical folds called **columns of Morgagni**

The ends of Morgagni columns connected together with transverse mucosal folds called **anal valves** which mark the **pectinate line** #

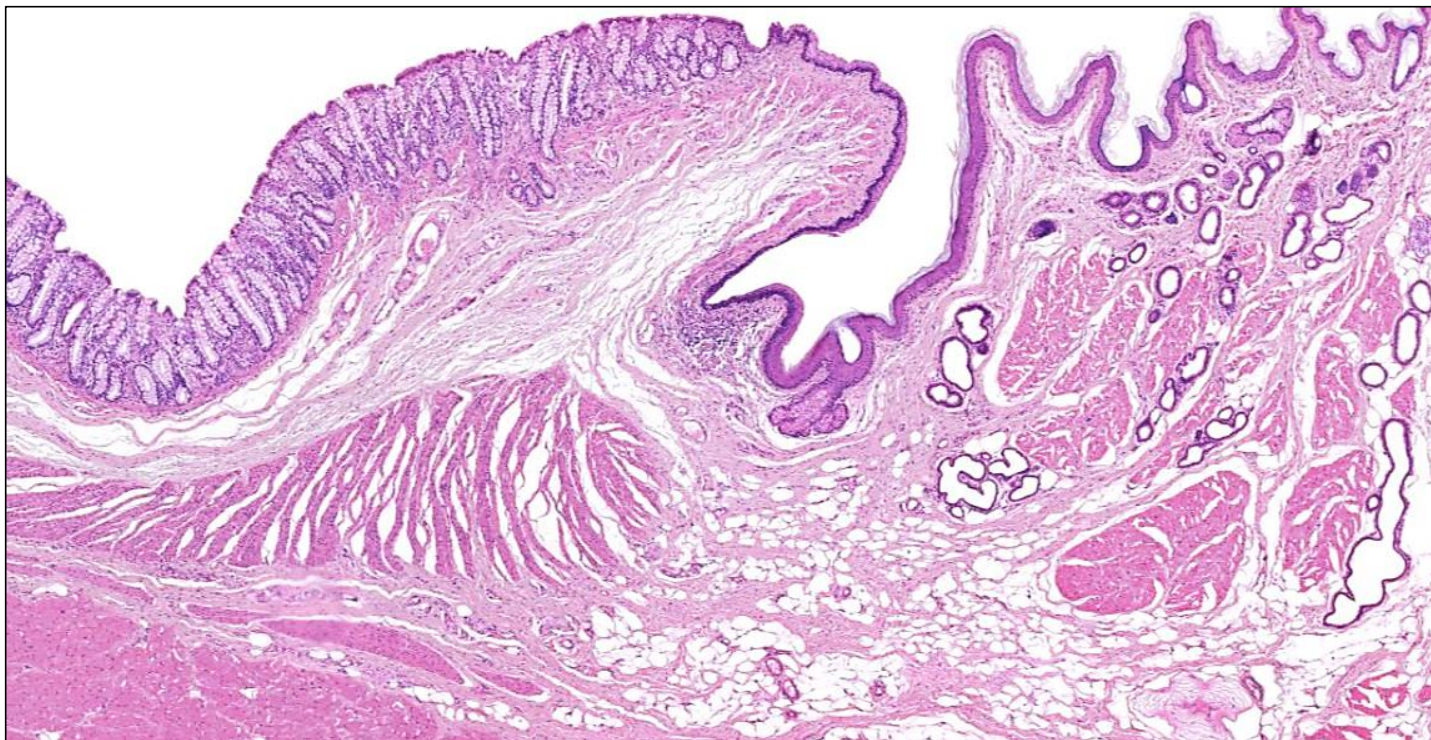
The columns mark the **recto-anal junction**

The epithelium is **stratified columnar** on columns of Morgagni



مهم جداً
تصنيف نوع
epithelium

جسدي



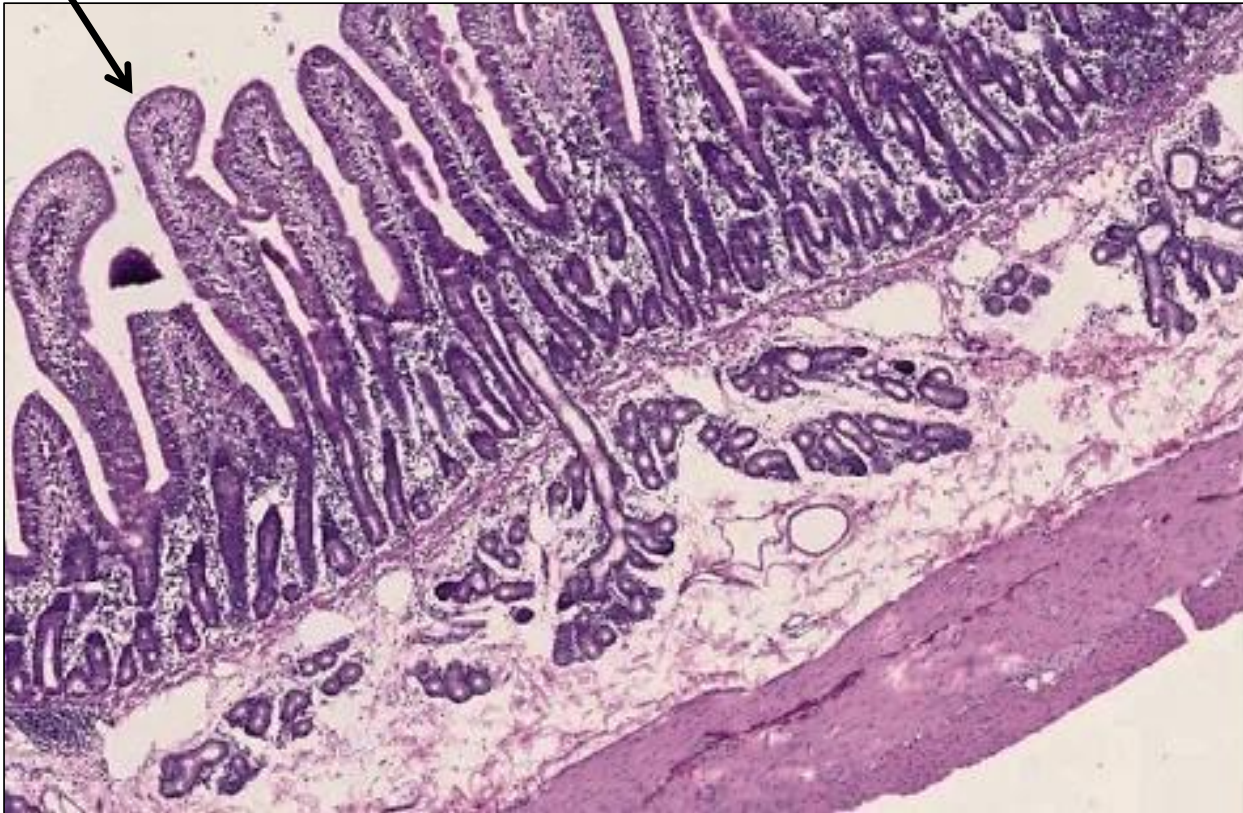
Recto-anal junction



Cross section in duodenum , jejunum & ileum

Intestinal villi

duodenum



Submucosa
showing
Brunner's
glands



Duodenum

Intestinal villi & crypts



ileum

6- M (microfold) cells:

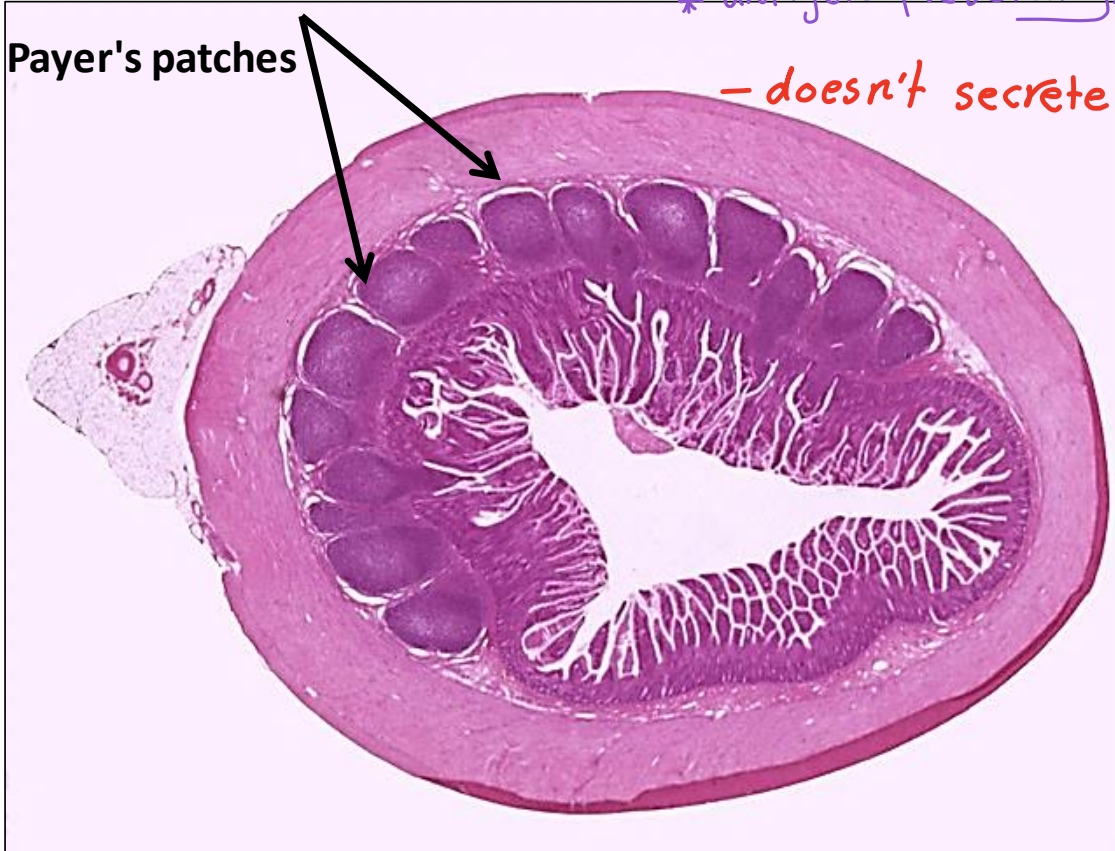
- Squamous - like cells present in between enterocytes of ileum in association with lymphoid nodules of Peyer's patches. Play a role in intestinal mucosal immunity

* antigen presenting cells.

- doesn't secrete

intestinal
Lysozyme

Payer's patches



Colon- Taenia coli

Taenia coli

- The **musculosa** of the large intestine 2 layers (IC & OL).
- IC is continuous but the OL breaks up into 3 longitudinal bands to forms the taenia coli (smooth muscles)



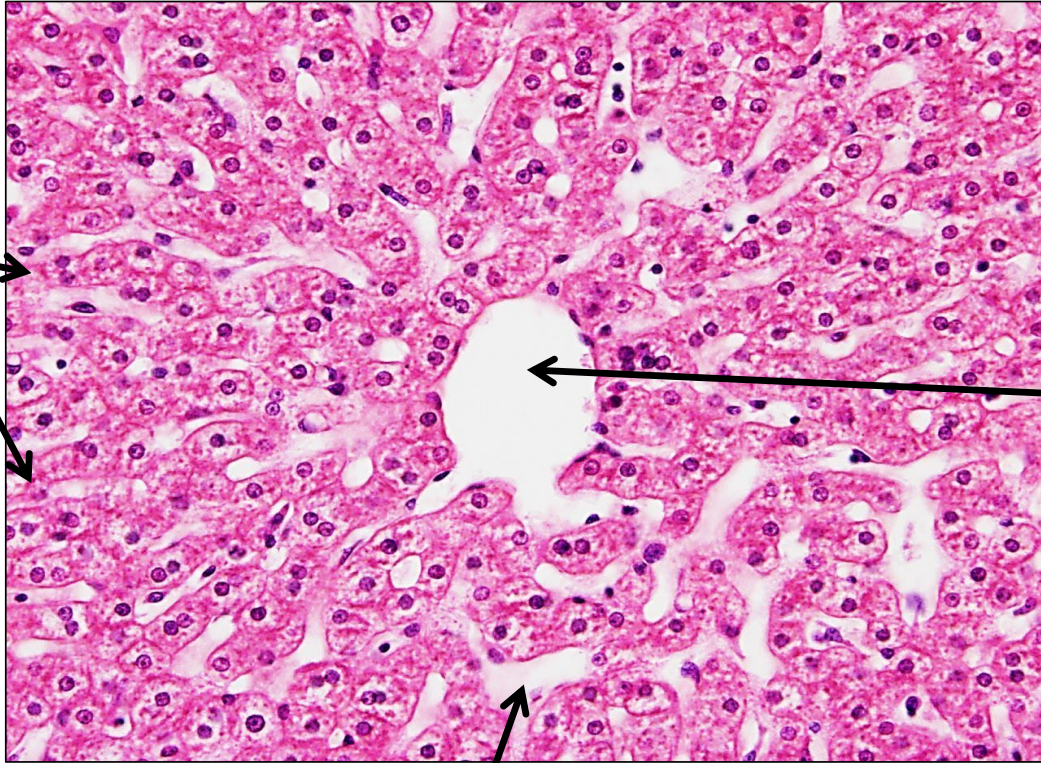
Appendix



Lymphoid follicles

Liver

**Cords of
liver cells**

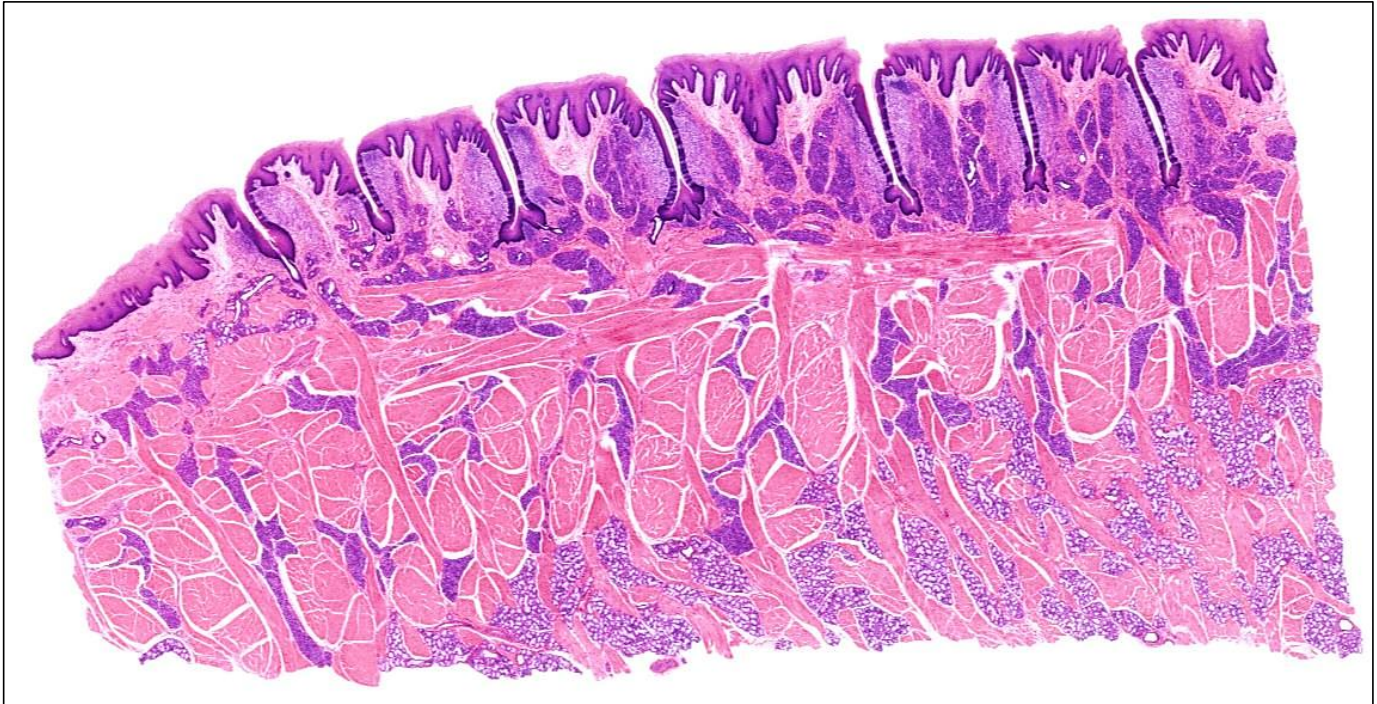


Central vein

Liver sinusoids



Striated duct



The tongue



Thank you

