

The Digestive system

The digestive system can be divided in to the following three main headings :

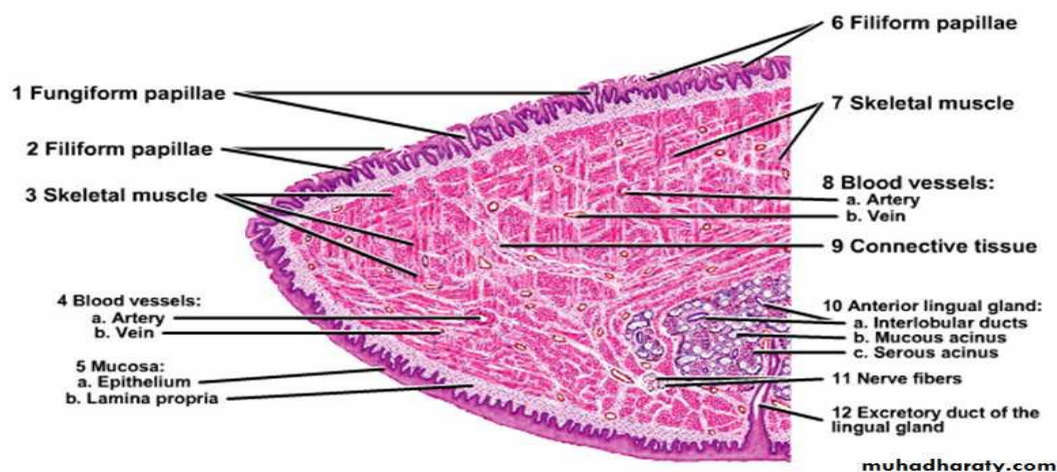
- 1- The mouth cavity and structures associated with it :
(Lips, tongue, salivary gland and teeth)
- 2- The digestive tube or alimentary canal:
(Oesophagus , Stomach, Small intestine, Large intestine).
- 3- Two large gland associated with alimentary canal:
(Liver and Pancreas)

1- Mouth cavity:

A- tongue :

Is covered by mucous (stratified squamous epithelium) of dorsal surface and found it :

- many filiform papillae (which are narrow, long, conical with pointed end)
- Few fungiform papillae (between the filiform)
- foliate papillae found in the tongue of rabbit.



Filiform



B- salivary glands:

There are three pairs of large salivary glands:

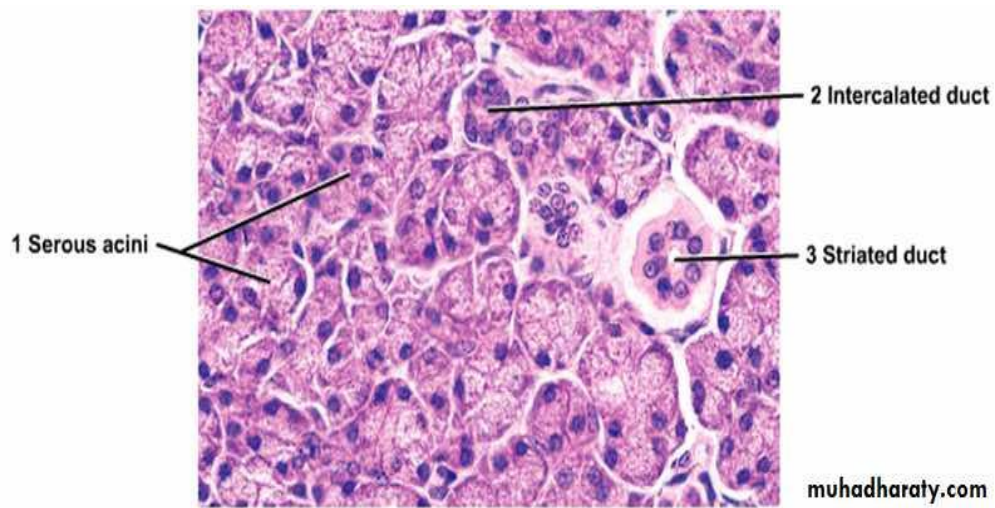
- Parotid gland
- submandibular gland
- sublingual gland

General plan of structure of any salivary gland:

- 1- A salivary gland is surrounded by C.T. capsule.
- 2- The gland is divided into lobes by interlobular C.T. capsule.
- 3- Each lobe is divided by thinner interlobular C.T. septa into smaller lobules.
- 4- Each lobule is formed of two main structures:
 - a- **secretory parts called acini** (alveoli)
 - Serous
 - mucous
 - b- **ducts.**

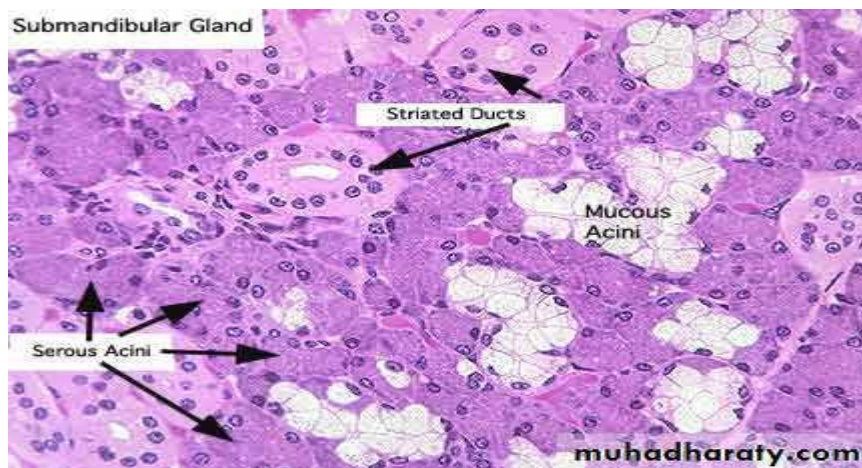
- **Parotid gland:**

- has thick C.T.
- Parotid looks dark because all alveoli are serous.



- **submandibular gland**

- has relatively thick C.T. capsule.
- contains both serous and mucous alveoli, but serous alveoli more numerous than mucous the section as a whole look dark.



- **sublingual gland**

- The capsule is very thin .
- The section as a whole look pale because mucous alveoli are more numerous than serous alveoli.

