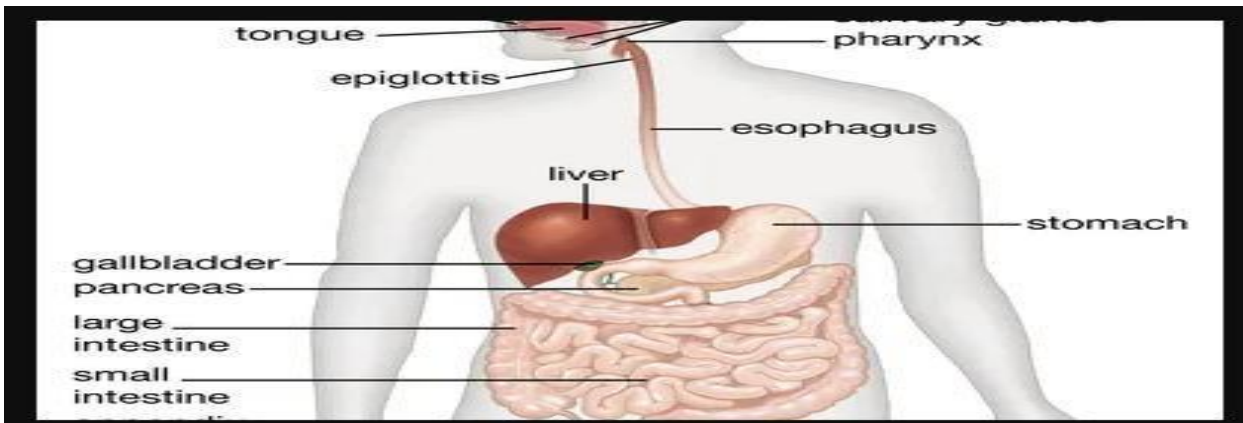


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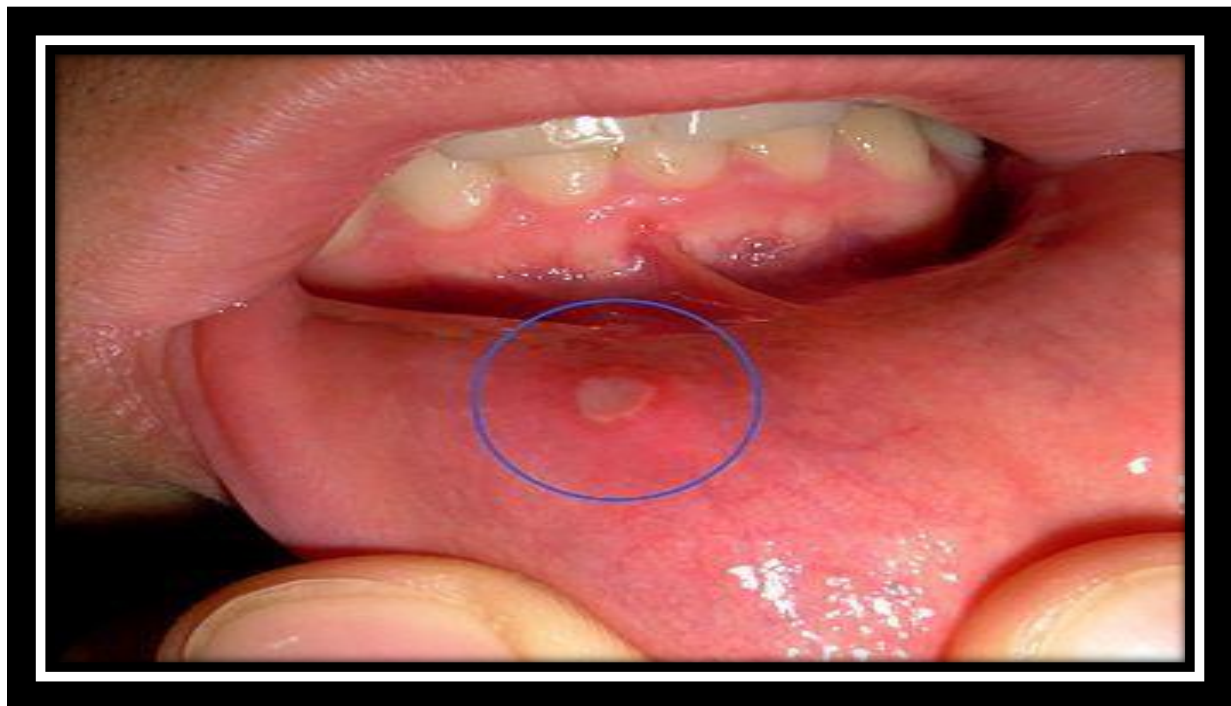


Digestive system divided to 8 parts :

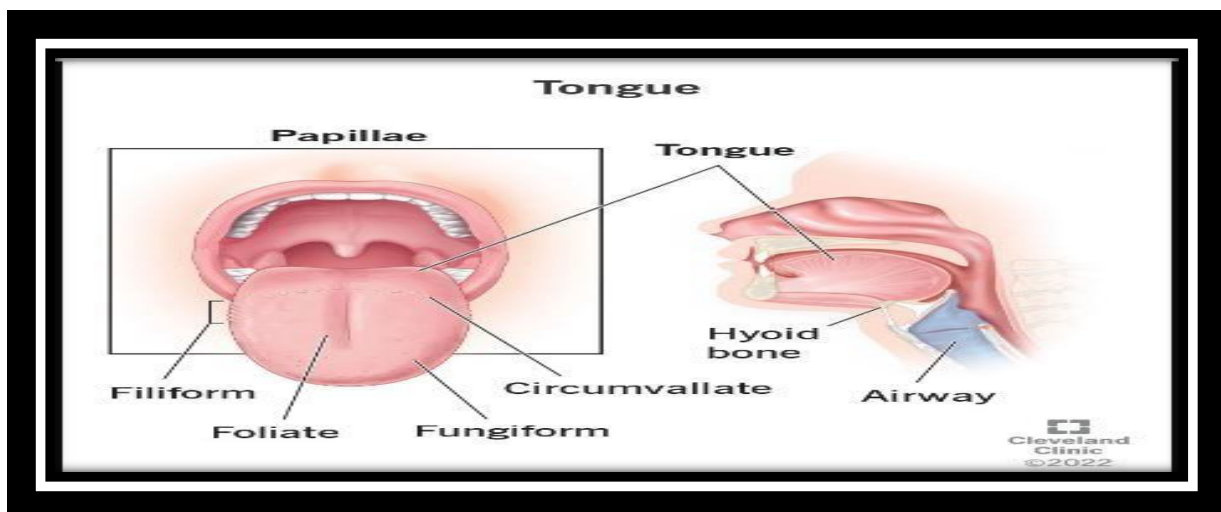
Mouth , Esophagus , Stomach , Small intestine , Large intestine , Liver , Pancreas , Gall bladder .

Mouth : is an oval shaped cavity inside the skull . Structures of the mouth : Lips , gum , teeth , hard and soft palate , tongue and salivary glands .

Ulcer of mouth : It is an erosion of the lining tissue .



Of mouth (mucous membrane) 10 – 14 days cured without treatment , its cause Herpes simplex virus or vitamin A deficiency.



Tongue : Is a muscular organ (skeletal muscle) , covered by mucous membrane . There are thousands of Papillae (tastebuds).

There are four types of taste buds functionally:

Sweet , sour , bitter , and salty (Look to the picture) .

Salivary glands : Three paired , Two parotid , Two sublingual , Two submandibular , all these glands produce saliva .

Saliva contain enzyme called Amylase , break down Starch .

Pharynx : Conducting zone of digestive system and respiratory system . Muscles of pharynx push food to esophagus.

Epiglottis : flap elastic cartilage attached to the larynx prevent food from going into trachea .

Esophagus : Food pipe , muscular tube passes from the pharynx to the stomach . It passes posterior to the trachea , and enter the stomach through a hole of diaphragm , its length 25 cm.

Diverticula of esophagus :It is a pouch that protrude outward in the weak portion of esophageal wall (pocket) .

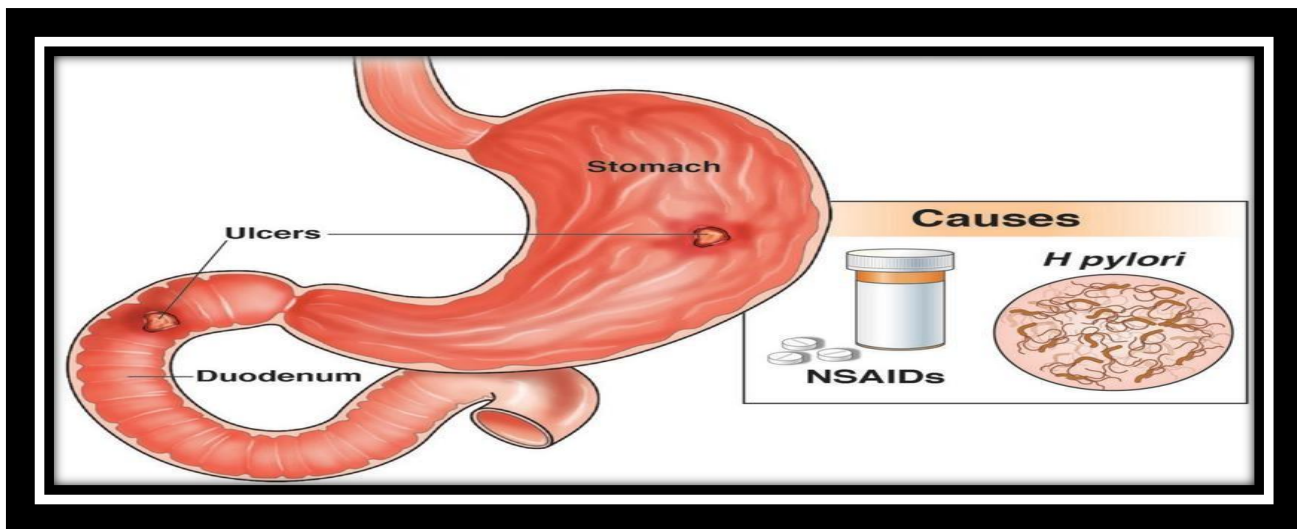
Diaphragm : It is important part of the body for digestive system and respiratory system . It is a muscular membrane separate thoracic cavity from the abdominal cavity .

Stomach : Stomach is a dilated structure of GIT (gastro-intestinaltract)muscular organ located on the left side of upper abdomen .

Stomach is located between esophagus and duodenum (first part of small intestine) .

Stomach have four anatomical divisions : Cardia , Fundus , body , pylorus .

Wall of humans tomach consists of mucosa , submucosa , muscles (smooth muscles) , Subserosa , and serosa (peritoneum)



Functions of Stomach :

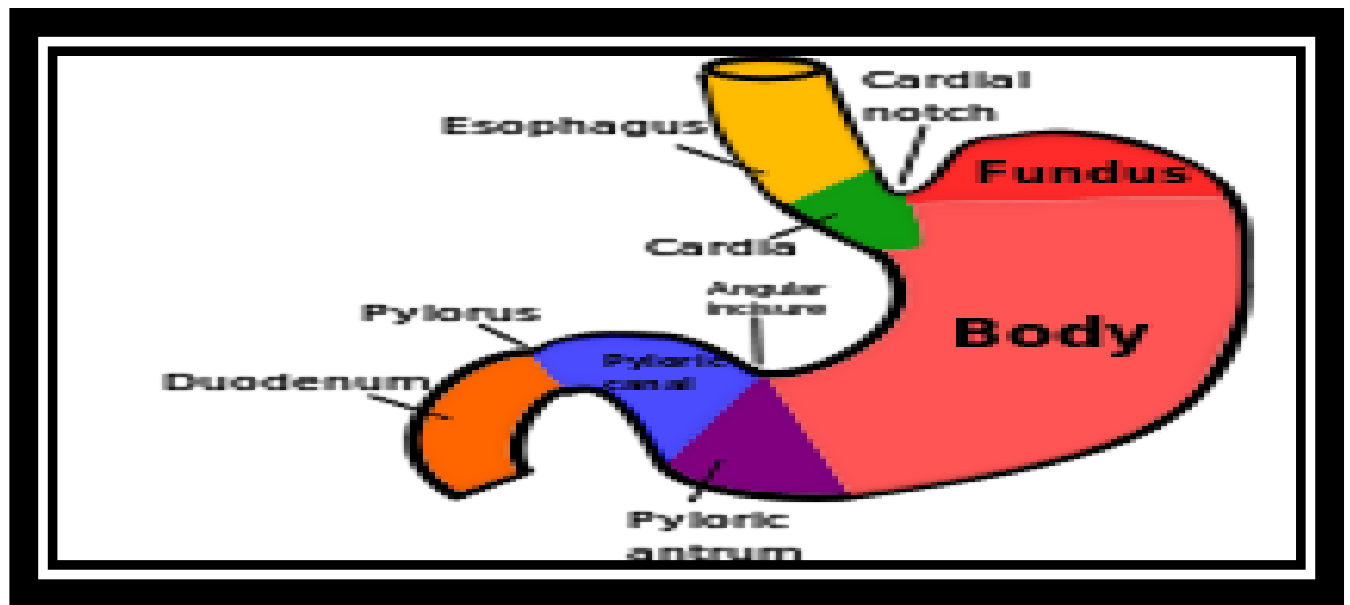
1 – Second stage of digestion after chewing .

2 –Stomach release Pepsin which digest proteins to polypeptide

3 - It secrete HCl (Hydrochloric Acid) .

Ulcer of Stomach : or called gastric ulcer (Peptic ulcer) occur due to several causes , by infection with bacteria called *Helicobacter pylori* , some treatment such as Aspirin , with poor diet , psychological causes . all these cause break in tissues lining stomach .

Digestive Juices (HCl + Pepsin) increased complicate this lesion.



Gall Bladder : It is a sac store bile which is produced from liver. Bile digest Fat .

Cholelithiasis (gall stone) hardening pieces of bile , it forms in gall bladder or in bile duct , block bile flow , it is common in women.