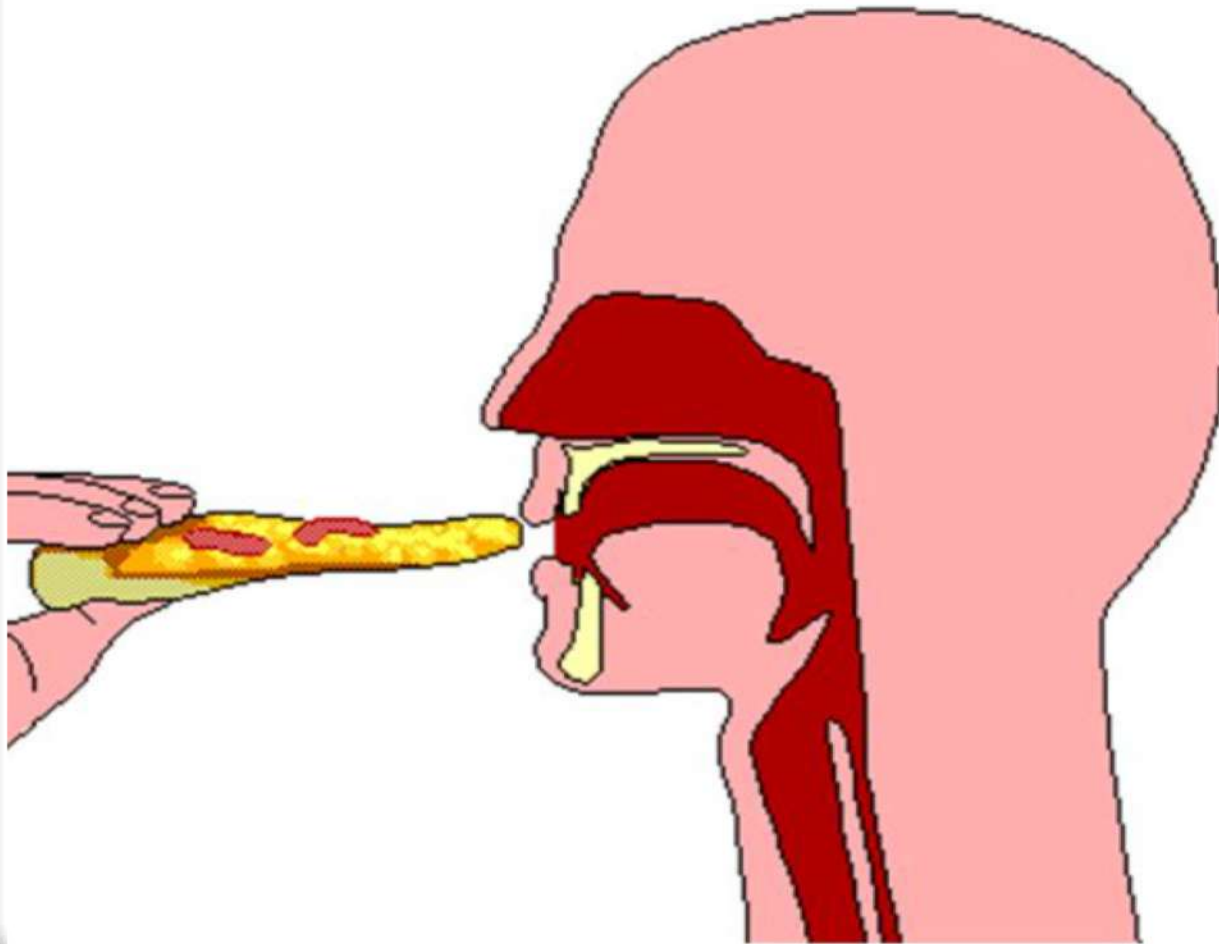


FOOD DIGESTION MECHANISM

Present by:

Mohamed Salah
Hadeel Alsherif
Sufyan Albarasi





CONTENTS:

- FOOD DIGESTION MECHANISM
- MASTICATION (CHEWING)
- SWALLOWING (DEGLUTITION)
- STAGES OF SWALLOWING (DEGLUTITION)
- SUMMARY
- REFERENCES

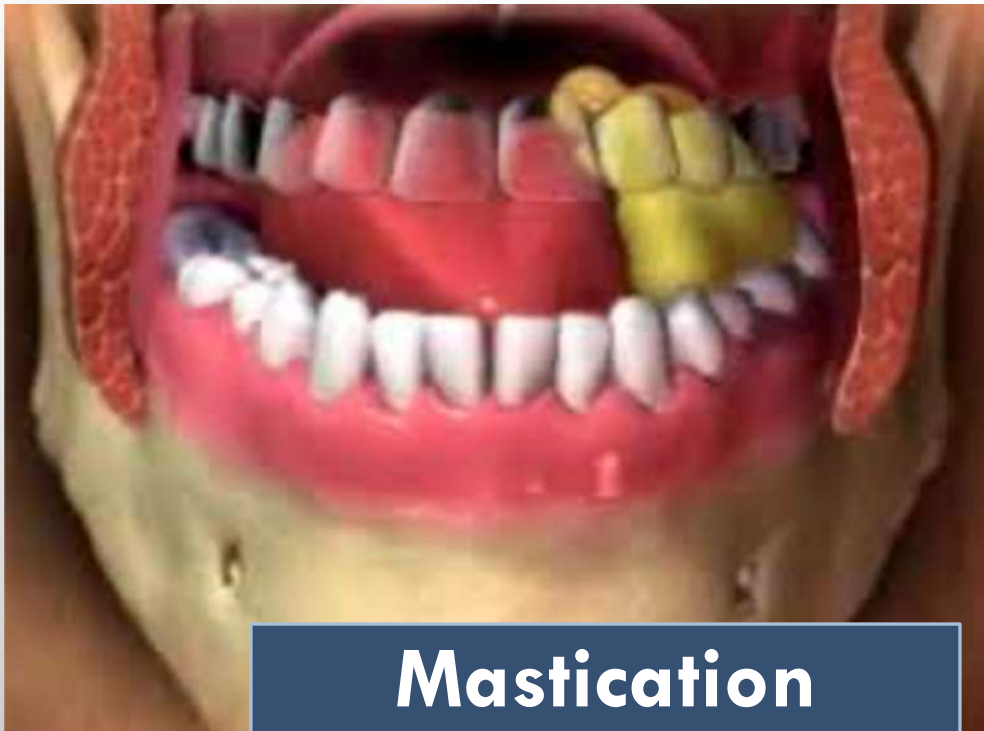


FOOD DIGESTION MECHANISM

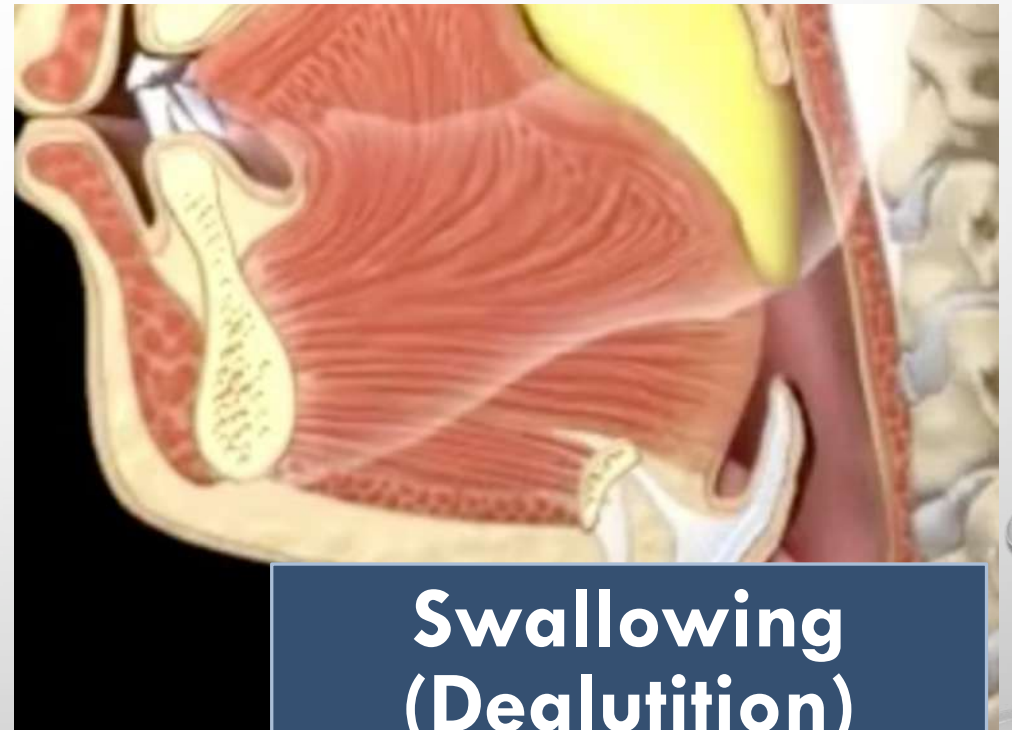
Discusses :

- The amount of food that a person ingests is determined principally by intrinsic desire for food called hunger. The type of food that a person preferentially seeks is determined by appetite.

FOOD DIGESTION MECHANISM



**Mastication
(Chewing)**



**Swallowing
(Deglutition)**

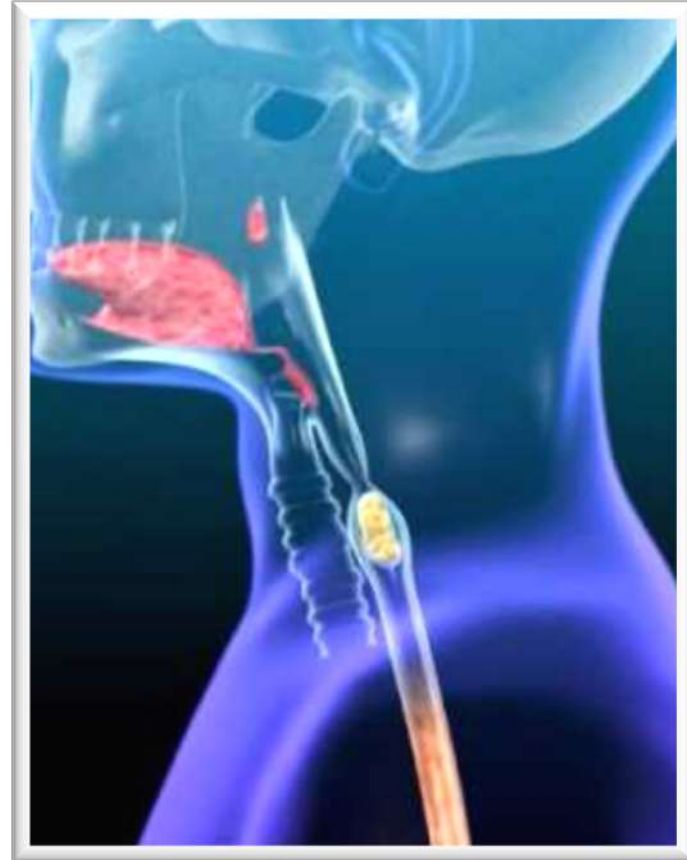
MASTICATION (CHEWING)

- Mastication is the mechanical grinding of food into smaller pieces by teeth; it is essentially A technical word for “chewing” .
- Mastication breaks down food so that it can go through the esophagus to the stomach. Breaking down food into smaller pieces also increases its surface area so that digestive enzymes can continue to break it down more efficiently.
- Muscles involved in mastication include the masseter, temporalis, medial pterygoid, and lateral pterygoid



SWALLOWING (DEGLUTITION)

- Is the process in the human or animal body that allows for a substance to pass from the mouth, to the pharynx, and into the esophagus, while shutting the epiglottis. Swallowing is an important part of eating and drinking. If the process fails and the material (such as food, drink, or medicine) goes through the trachea, then choking or pulmonary aspiration can occur. In the human body the automatic temporary closing of the epiglottis is controlled by the swallowing reflex.





STAGES OF SWALLOWING (DEGLUTITION)

- **Oral phase** bolus moves from oral cavity into the oropharynx voluntary process
- **Pharyngeal phase** bolus moves from the oropharynx into the esophagus involuntary process
- **Esophageal phase** bolus moves through the esophagus and into the stomach; involuntary process

SUMMARY

- Chewing or mastication is the process by which food is crushed and ground by teeth. It is the first step of digestion, and it increases the surface area of foods to allow a more efficient break down by enzymes .
- Swallowing, or deglutition, is a complex reflex mechanism by which food is pushed from the oral cavity into the esophagus and then pushed to the stomach.

REFERENCES

- [HTTPS://BIOLOGYDICTIONARY.NET/MASTICATION/](https://biologydictionary.net/mastication/)
- [HTTPS://EN.WIKIPEDIA.ORG/WIKI/SWALLOWING](https://en.wikipedia.org/wiki/Swallowing)
- [HTTPS://WWW.KENHUB.COM/EN/LIBRARY/ANATOMY/STAGES-OF-SWALLOWING](https://www.kenhub.com/en/library/anatomy/stages-of-swallowing)

The background features a light gray gradient with several realistic water droplets of various sizes scattered across the surface. The droplets have highlights and shadows, giving them a three-dimensional appearance. The text is centered in the middle of the frame.

**THANK YOU FOR
LISINING**