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Bsc Health and social care
Introduction to Physiology
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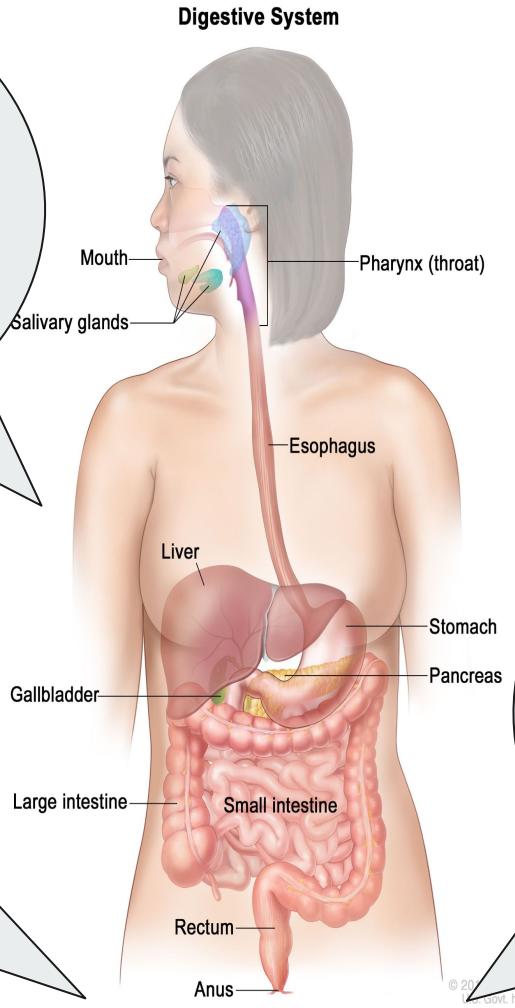
Individual Academic poster Presentation

Digestive system

ngestion, food's mechanical and chemical breakdown,nutritional absorption, and evacuation of indigestible food are the four stages of digestion. Svihus,B. (2014)

Salivary glands create saliva that contains enzymes (like amylase) that start the breakdown the dietary carbs during oral digestion. A bolus is created from the meal and is subsequently ingested after being hydrated.



To begin the process of eating, food is first put into the mouth, where it is mechanically broken down by chewing and mixed with Moisture. Medical (16 June 2023)

When food enters the intestines through the esophagus it comes into contact with digestive fluids like hydrochloric acid and enzymes like pepsin. Proteins, lipids, and other dietary ingredients are broken up by these chemicals, creating chyme, a semi-liquid combination.Baird,D.J.(2000)

Problem with the digestive system

When food is digested, the bowel is in charge of reducing it down into fragments. It takes in the fluid, vitamins and minerals, and electrolytes that are necessary for sustaining healthy biological processes after the meal has been processed.

The possibility exists for bowel cancer to "metastasize" (extending to other bodily areas). Subsidiary tumours in other organs can develop when cancerous cells split off from the main tumour and move via the bloodstream or lymphatic system. This can considerably lower the range of available treatments and affect the outlook as a whole.

Intestinal blockage, haemorrhaging anemia, and colonic or abdomen rupture are just a few of the consequences that can result from cancer of the intestines. These abnormalities can result in excruciating pain, apprehension and other illnesses that demand urgent treatment.

While bowel cancer can be severe, early discovery by regular examinations, such colonoscopy can greatly increase the likelihood of having an effective course of therapy and improved results. It is advised to address any worries or symptoms with a healthcare provider for an accurate assessment and suitable therapy. *NHS choices*. (16 June 2023)

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