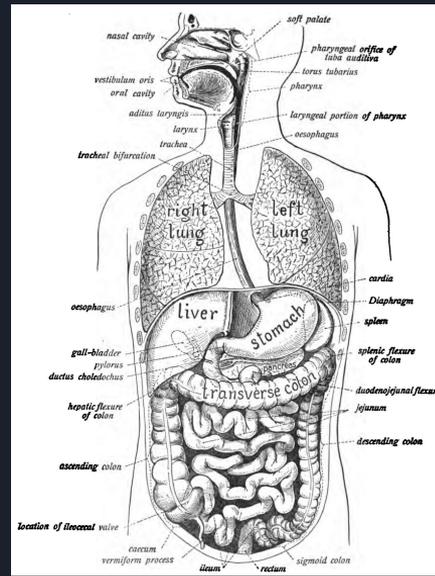




My Trip as An Apple through Yisroels Digestive Tract

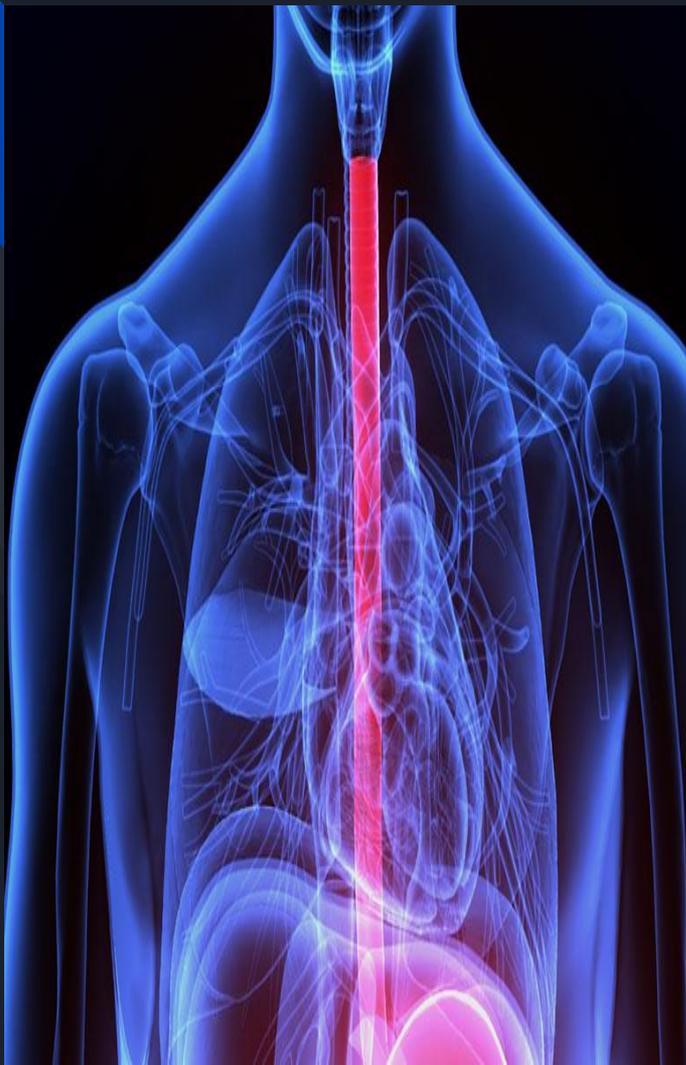


I am an apple and today I will be taking a trip through Yisroels digestive system. This system includes a mouth, esophagus, stomach, small intestine, large intestine, rectum, and anus.





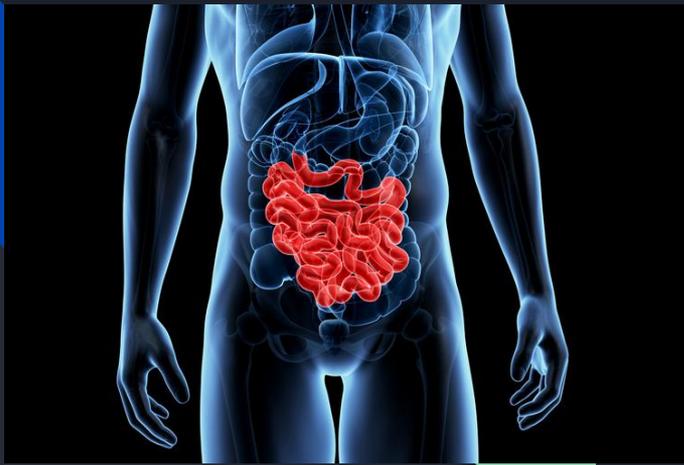
I will be taking a journey through Yisroel's digestive system. I just entered a dark tunnel called the mouth. In this mouth there are teeth that tear me apart. The tongue is pushing me all around to help the teeth. There is also saliva to soften me up so Yisroel can easily swallow me.



Yisroel started to swallow me and now I am going down the esophagus. This tunnel is even darker than the first one. Peristalsis has now started and I am being pushed down further and faster ITS, starting to get interesting.

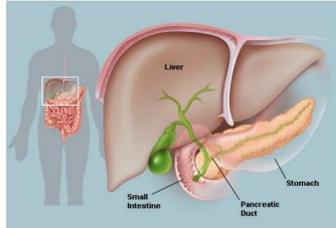


Peristalsis has pushed me into the stomach here I can expect mechanical and chemical digestion to take place. Enzymes and hydrochloric acid solution are breaking me down and now I'm a liquid called chyme.



The small intestine measures 4 to 7 m in length. I am now chyme and entering the duodenum where most of the digestion will take place. Here there are lots of different things that will break me down even more. We have chemical digestion going on. Bile is helping the big particles break down, some fluid from the pancreas that contains bicarbonate ions and enzymes to neutralize the stomach acid that is mixed with chyme. I see folds that look like fingers, those are the villi. This is where all my nutrients will be absorbed. Peristalsis is still taking place and I am being pushed into the large intestine.

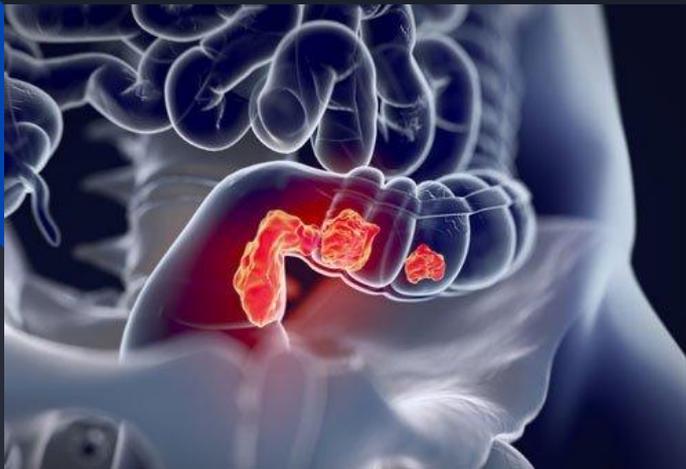
Functions of Liver, Pancreas, and Gallbladder



Just as an apple doesn't go through the organs such as the liver, pancreas, and gallbladder but these organs definitely have a lot to do with digestion. The liver makes bile while the gallbladder stores it for later use. Bile is a greenish fluid that breaks up large fat particles. The pancreas has a solution that has bicarbonate ions and enzymes that also help with this chemical digestion. The pancreas also makes a hormone called insulin that lets glucose pass from the bloodstream and into your cells.



Here I am still chyme and peristalsis is slowing down. All this extra water is starting to disappear and I am turning into a solid. I am being stored in the colon with bacteria waiting to be released.



I am now entering the rectum which connects the colon to the anus. I have turned into stool and am ready to exit Yisroel's body and end my journey.



My journey is at its end and I have been released out of Yisroels, body. It has been fun. So much of me has been released it seems I clogged the toilet ...Sorry Yisroel!

