

Peptic ulcer: a serious destruction of protective layer of stomach

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Peptic means anything related to digestion i.e., word comes from pepsin enzyme which present in stomach and cancer means a malignant abnormal growth or tumor which leads to uncontrolled cell division. Peptic ulcer means a severe inflammation occur in digestive organ specially in stomach and small intestine. It is a disease of gastrointestinal tract. In this disorder destruction occurs in intestinal mucosal lining. Mainly occur in stomach and duodenum. The digestive system incorporates the digestive tract along with its accessory organs which helps in breaking down of intake food and liquid into substances. These substances are used to produce energy for metabolism, growth and tissue repair.

The associated organs (liver, pancreas and gall bladder) along with the Gastrointestinal (GI) tract completes the infrastructure of digestive system. The digestive tract is otherwise known as Gastrointestinal (GI) tract. GI tract is a progression (series) of about 10 hollow organs which are joined in a tube like structures for transportation of raw materials from mouth to anus. In order to their respective function, these organs are mouth, oesophagus, stomach, small intestine, large intestine, rectum and anus which are responsible for utilizing nutrients from food and to excrete out waste materials after digestion.

Generally in stomach there is a protective layer present which is made up of Mucus and bicarbonate which it protects the stomach from direct contact of gastric acids. Similarly we can say it helps to neutralize the acids secreted by the stomach mucosa. Because the acids and enzymes secrets in stomach are very highly concentrated and they use to digest food material which we intake. If this mucosal layer not been present then these acids can easily destroy the wall of stomach and which leads to severe inflammation and destruction and this condition is known as ulcer. It can be happen same with the small intestine because the gastric juices flows through the small intestine also. This protective layer might be broken down by the medication