

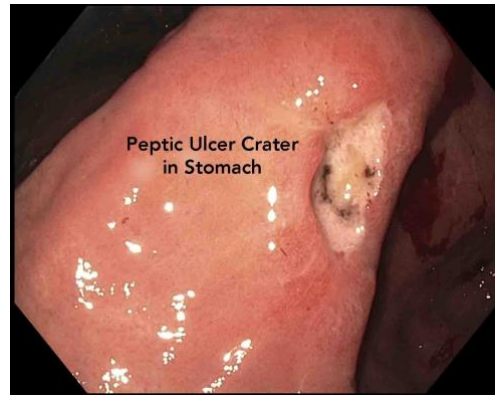


## Peptic Ulcer Disease

Peptic ulcer disease is a medical condition that involves the formation of painful sores or ulcers in the lining of the stomach or the first part of the small intestine, known as the duodenum. This condition may sound intimidating, but it's essential to understand that the symptoms can be managed with appropriate treatment, and the ulcers can heal.

### What is Peptic Ulcer Disease?

Peptic ulcer disease occurs when a break or sore develops in the inner lining of the stomach, the duodenum, or sometimes the lower esophagus. These ulcers form when the stomach's protective mucus layer is reduced, allowing the digestive acids to damage the tissues of the stomach or duodenum.



### What Causes Peptic Ulcer Disease?

A variety of factors can cause peptic ulcer disease. The most common causes are infection with *Helicobacter pylori* (*H. pylori*) and long-term use of nonsteroidal anti-inflammatory drugs (NSAIDs), such as aspirin and ibuprofen. Other factors, such as smoking, alcohol use, and stress, can also contribute to developing peptic ulcers.

### Symptoms of Peptic Ulcer Disease

The most common symptom of peptic ulcer disease is a burning or gnawing pain in the abdomen. This pain often feels similar to hunger pangs and may be relieved by eating or taking antacid medications. Other symptoms can include nausea, vomiting, weight loss, and severe bleeding from the ulcer.

### How is Peptic Ulcer Disease Diagnosed?

Peptic ulcer disease is often diagnosed based on your symptoms and a physical examination. Your doctor may also order tests, such as a breath test, blood test, or stool test, to check for *H. pylori* infection. In some cases, an endoscopy may be performed to visually examine your stomach and duodenum and take a biopsy if needed.

### Complications of Peptic Ulcer Disease

While peptic ulcer disease is often manageable with appropriate treatment, it can sometimes lead to severe complications if left untreated. The four significant complications include bleeding, perforation, penetration, and obstruction. Bleeding can occur when an ulcer erodes the stomach or duodenal wall muscles, damaging the blood vessels. This can lead to significant blood loss and require immediate medical attention. Perforation is when an untreated ulcer burns through the stomach or duodenum wall, creating a hole. This allows digestive juices and food to seep into the abdominal cavity, which can lead to a severe, life-threatening infection. Penetration is a similar condition where the ulcer extends into nearby organs such as the liver or pancreas. Lastly, obstruction occurs when an ulcer prevents food from leaving the stomach and moving into the small intestine, leading to vomiting, weight loss, and severe pain. These complications are serious and require immediate medical attention. If you have been diagnosed with peptic ulcer disease, it's crucial to follow your treatment plan closely and seek medical attention if your symptoms worsen or don't improve.

### Treatment for Peptic Ulcer Disease

Treatment for peptic ulcer disease focuses on killing the *H. pylori* bacteria (if present), reducing the use of NSAIDs, and decreasing the amount of acid in your stomach to allow the ulcer to heal. Medications, such as proton pump inhibitors and antibiotics, can often achieve this. In severe cases, surgery may be necessary.

### Living with Peptic Ulcer Disease

Living with peptic ulcer disease can be challenging, especially during a flare-up of symptoms. However, with appropriate treatment and lifestyle modifications, such as quitting smoking and limiting alcohol and NSAID use, most people with peptic ulcer disease can manage their symptoms and prevent the recurrence of ulcers.

### Conclusion

While peptic ulcer disease can be a serious condition requiring prompt medical attention, with early detection and appropriate treatment, most people with it can manage their symptoms and maintain their quality of life. If you have been diagnosed with peptic ulcer disease, it's essential to understand the condition and to work closely with your healthcare provider to manage your symptoms and maintain your quality of life.

Remember, this article is intended to provide general information about peptic ulcer disease. It is not a substitute for professional medical advice, diagnosis, or treatment. Always seek the advice of your physician or other qualified health provider with any questions you may have regarding a medical condition.

725 Cherrington Parkway • Moon Township, PA 15108  
412.262.1000 • [www.gihealth.com](http://www.gihealth.com) • IG: @thedigestivetract

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