# Gastric Anisakiasis Masquerading as Gastroesophageal Reflux Disease

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- Anisakiasis is a rare parasitic disease caused by the accidental ingestion of Anisakis larvae from raw or undercooked seafood.
- Symptoms of gastric anisakiasis are nonspecific and can overlap with gastroesophageal reflux disease (GERD).
- We report a patient who presented with lacksquare**GERD-like symptoms and was found by** esophagogastroduodenoscopy (EGD) to have gastric Anisakiasis.

### **Case Description**

- A 34-year-old man with past medical history of chronic GERD presented with burning throat pain, nausea, and a dry cough concerning for recurrence of his **GERD** symptoms.
- He reported taking pantoprazole 40 mg twice daily without improvement in his symptoms.
- He had an EGD four months prior with findings concerning for Barrett's esophagus and requested a repeat EGD with biopsy to reevaluate.



EGD showing white, filiform worms invading into the mucosa of the greater curve of the body and cardia at the gastroesophageal junction

# **Case Description**

- endoscopically using biopsy forceps.
- resolution.
- consistent with Anisakis nematode.
- clearance of infection.

### Discussion

- routinely consumed.
- and fever.

- resolution of symptoms.
- larvae are destroyed or excreted.
- however data is limited.

EGD showed patches of erythema in the stomach associated with white, filiform worms invading into mucosa of the greater curve of the body and cardia at the gastroesophageal junction.

**Cold forceps biopsies were obtained for pathology and** microbiology-parasitic identification. The worms were extracted

At his one month follow up, the patient reported symptom

Biopsies of the stomach revealed chronic, active erosive gastritis, and the filiform worms were morphologically

A follow up EGD was performed 2 months later and confirmed

Anisakiasis was first reported in 1876 by Leuckhart.

In the 1960s, it became widely recognized in the Netherlands due to popular consumption of lightly salted herring.

Today it is most commonly reported in Japan where raw fish is

Symptoms usually develop within 12 hours of consumption and can include nausea, vomiting, abdominal pain, blood in stool,

This occurs as a result of hypersensitivity to the larva or its secretions and mucosal injury from larval penetration.

Diagnosis is achieved by direct visualization of larvae by EGD.

Endoscopic removal of larvae typically results in prompt

Mild cases are treated supportively with analgesia until the

There are also reports of anisakiasis treated with albendazole

**Clinicians should consider anisakiasis in the differential** diagnosis of patients presenting with gastrointestinal symptoms and a recent history of raw or undercooked fish consumption.