Strongyloidosis of Duodenum

SumalathaKasturi¹, Renuka Barkam², SravanthiYerragolla³, Ravinder Thota⁴

¹Associate Professor
²,³Post Graduate Students
⁴Professor
Department of Pathology
Chalmeda Anand Rao
Institute of Medical Sciences
Karimnagar - 505 001
Telangana, India.

CORRESPONDENCE :
¹ Dr.Sumalatha Kasturi
   M.D. (Pathology)
   Associate Professor
   Department of Pathology
   Chalmeda Anand Rao
   Institute of Medical Sciences
   Karimnagar - 505 001
   Telangana, India.
   E-mail: sumalathakasturi97@gmail.com

A 32 year old female presented with abdominal pain and vomiting. Ultrasound examination of abdomen was normal. Upper G.I. Endoscopy revealed erosions in the duodenum. Duodenal biopsy was done which revealed strongyloides larvae in the duodenal crypts.

Strongyloidosis is a parasitic disease caused by a nematode helminth Strongyloides stercoralis.[1, 2] The infection is asymptomatic or manifest as a vague, nonspecific gastrointestinal symptoms. Duodenal obstruction is an extremely rare complication of strongyloidosis.[3]

Nonspecific clinical manifestations and lack of classic syndrome make the diagnosis of strongyloidosis extremely difficult.[4] Histopathological study of endoscopic biopsies and identification of eggs in stool sample are the mainstay of diagnosis.

CONFLICT OF INTEREST :
The authors declared no conflict of interest.

FUNDING : None

REFERENCES

Figure 1 : High power view showing strongyloidosis larvae

Figure 2 : Low power view showing parasite larvae the crypts of duodenan mucosa x 40, H & E