

BRIEF REPORT

A unique cause of chronic abdominal pain

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Kev words

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A 54-year-old man presented with chronic abdominal pain for 3 months. He had no record of overseas travel, and he was a vegetarian. Blood tests revealed no abnormalities. Esophagogastroduodenoscopy and colonoscopy revealed no significant findings, but contrast-enhanced computed tomography (CT) revealed bowel wall thickening in the jejunum (Fig. 1a: axial image, arrow; Fig. 1b: coronal image, arrow heads). Capsule endoscopy (CE) was performed to evaluate the small bowel thickening on CT. CE detected a substantial number of intestinal parasites in the jejunum (Fig. 1c,d). Further laboratory investigations revealed elevation of anti-Ascaris immunoglobulin E levels (19.1 UA/mL). He was diagnosed with Ascaris lumbricoides infection and received pyrantel pamoate. His abdominal pain symptoms improved immediately after he received it.

A, lumbricoides is an intestinal roundworm parasite that can cause pulmonary, intestinal, pancreatic, or hepatobiliary complications. ¹⁻³ CT imaging of the worm in cross section demonstrates a "bull's eye" appearance. ⁴ However, the CT image in this case was not representative, and further investigation with CE was required to confirm the diagnosis. The combination of CT and CE is, therefore, useful for the

diagnosis of patients with A. lumbricoides infection who complain of chronic abdominal pain.

References

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Supporting information

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Video S1. Supporting information.

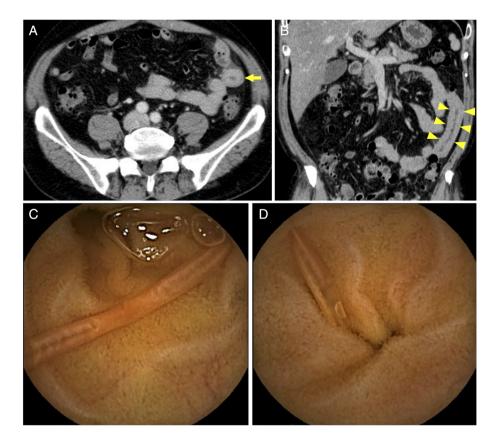


Figure 1 (a) Axial and (b) coronal views of computed tomography showing bowel wall thickening in the jejunum (arrow and arrow heads). (c, d) Capsule endoscopy detected a substantial number of intestinal parasites in the jejunum.