Pneumatosis cystoides intestinalis (PCI) is a rare condition in which multiple submucosal or subserosal air-filled cysts develop in the submucosa or in subserosa of the colon [1]. The etiological mechanisms are not clear. PCI is associated with raised intra-abdominal pressure because of ileus surgery, colonoscopy, pulmonary diseases, connective tissue disorders, ingestion of carbohydrates such as lactulose and sorbitol, use of α-glucosidase inhibitors [1], and ulcerative colitis [2]; in rare cases it is asymptomatic [3].

We report a case of a 52-year-old man referred to our department for nonspecific abdominal pain. He was not taking any drugs and his medical history was unremarkable except for an episode of significant abdominal trauma. Colonoscopy revealed multiple, small, smooth hemispherical protrusions in the ascending colon extending up to the hepatic flexure (Fig. 1). Computer tomography (CT) of the abdomen showed multiple air-filled cysts in the intestinal wall along the right hemicolon (Figs. 2, 3). The diagnosis of PCI was made on the basis of these findings, as shown by Tsujimoto et al. in 2008 [1].

Competing interests: None

Endoscopy_UCTN_Code_CCL_1AD_2AJ

Fig. 1 Endoscopic view of pneumatosis: a in the hepatic flexure and b in the ascending colon.

Fig. 2 Abdominal computed tomographic (CT) scan (coronal section) showing pneumatosis: a in the proximal ascending colon and b in the distal ascending colon.

Fig. 3 Computed tomographic (CT) scan showing multiple air-filled cysts in the intestine wall along the right hemicolon.
A. Casarotto¹, M. Franceschi¹, M. Rebonato¹, F. Contin², A. Cerofolini¹

¹ Department of Surgery, Endoscopy Unit, S. Camillo Municipal Hospital, Schio (Vicenza), Italy
² Department of Radiology, S. Camillo Municipal Hospital, Schio (Vicenza), Italy

References

Bibliography
Endoscopy 2010; 42: E142 – E143
© Georg Thieme Verlag KG Stuttgart · New York
ISSN 0013-726X

Corresponding author
A. Cerofolini, MD
Department of Surgery, Endoscopy Unit
S. Camillo Municipal Hospital
Via C. De Lellis
36015 Schio (Vicenza)
Italy
Fax: +39-0445-598338
angelo@cerofolini.it