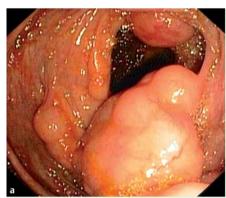
# Asymptomatic pneumatosis cystoides intestinalis diagnosed in the follow-up of a dysplastic polyp



grade dysplasia, with free margins, in the latter. The patient did not experience any

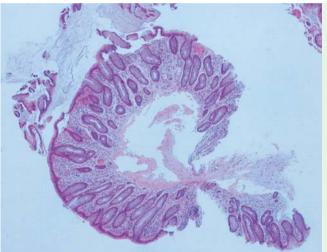
immediate complications and remained

completely asymptomatic.





Fig. 1 a – c Pneumatosis cystoides intestinalis after screening colonoscopy: endoscopic views of submucosal lesions found in the ascending colon in an area where polypectomy had been done 1 year previously.



**Fig. 2** Histological image showing features of pneumatosis intestinalis (hematoxylin and eosin [H&E], x100).

A 73-year-old man with a medical history A follow-up colonoscopy was performed 1 of ischemic cardiomyopathy and atrial year later. Multiple round and smooth subepithelial nodules, with normal overfibrillation, who was being treated with digoxin, bisoprolol, and warfarin, underlying mucosa, suggestive of pneumatosis went a colonoscopy for colorectal cancer cystoides intestinalis ( Fig. 1 a - c), were screening in April 2013. A 20-mm pedunobserved in the ascending colon. With a culated polyp was excised from the asbiopsy forceps and a needle, we deflated cending colon using a snare after injection some of these lesions, confirming the of epinephrine in the stalk, and a 30-mm diagnosis ( Video 1). Pathologic analysis pedunculated polyp was excised, using a showed some features of pneumatosis insimilar method, from the sigmoid colon; testinalis with a cyst centered in the musno other lesions were found. Pathologic cularis mucosa/submucosa (disruption of analysis showed a low grade dysplastic the muscle was noted) ( Fig. 2). adenoma in the former and a low grade dysplastic adenoma with areas of high

#### Video 1

Video showing biopsy and deflation of nodules using forceps and an endoscopic needle.

The pathogenesis of this condition is poorly understood [1,2]. Traumatic injury of the mucosa caused by polypectomy could allow intraluminal gas to pass through the wall of the colon. This "mechanical theory" [1] is not widely accepted as the cause of pneumatosis intestinalis; however, we conclude that it is the best explanation in this case since the gaseous cysts became evident only after polypectomy in the same region of the colon.

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Competing interests: None

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#### **Bibliography**

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