Primary syphilitic chancre in the rectum

A 50-year-old homosexual man was referred for rectal bleeding with the passage of red blood, increased bowel habit, and rectal discomfort for 15 days, without constitutional or febrile symptoms. A colonoscopy performed 6 years previously had been normal. Examination revealed a soft nipple-shaped papillary lesion with traces of blood on rectal palpation. The results of his blood count and tests for liver and renal function, ferritin, human immunodeficiency virus (HIV), and carcinoembryonic antigen (CEA) were all normal, but he had an elevated C-reactive protein (CRP) and erythrocyte sedimentation rate (ESR). A thoracoabdominal computed tomography (CT) scan showed a reduction in the caliber of the rectum, with locoregional, abdominal, and inguinal lymphadenopathy (Fig. 1). Colonoscopy showed a rectal ulcer with a fibrinous surface and elevated, smooth, erythematous edges (Fig. 2a). A biopsy taken from the ulcer did not indicate the presence of any neoplastic cells but was compatible with an active acute ulcer. As we therefore suspected a diagnosis of syphilitic chancre, he was started on treatment with intramuscular penicillin.

The primary chancre of syphilis appears as an ulcer with elevated, erythematous edges, and traces of fibrin in the ulcer bed, in an otherwise normal-looking mucosa, consistent with a primary syphilitic chancre in the rectum; b at follow-up 2 months later, almost complete healing of the rectal ulcer.

The primary chancre resembled that seen in other locations, but reports suggest it is commonly confused with rectal neoplasm or inflammatory bowel disease [4,5]. This etiology should be suspected particularly in young homosexual men, and it is important to rule out co-infection with HIV. The diagnosis is made by treponemal tests (venereal disease research laboratory [VDRL] and RPR tests), non-treponemal tests, dark-field microscopy, or immunostaining. The treatment of choice is penicillin.

Endoscopy_UCTN_Code_CCL_1AD_2AD

Competing interests: None

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DOI http://dx.doi.org/10.1055/s-0034-1377638
Endoscopy 2014; 46: E533
© Georg Thieme Verlag KG Stuttgart · New York
ISSN 0013-726X

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