Syphilitic gastritis: a rare presentation of secondary syphilis

Mohammed Osman,1 Saqib Hasan,2 Qazi Azher,1 Mamoon Elbedawi,3 Ghassan Bachuwa1

1Hurley Medical Center, Flint, Michigan, USA
2Department of Infectious Disease, Hurley Medical Center, Flint, Michigan, USA
3Gastroenterology Department, Hurley Medical Center, Michigan State University, Michigan, USA

Correspondence to
Dr Ghassan Bachuwa,
gbachuwa2@hurleymc.com

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DESCRIPTION
A 55-year-old woman presented to the hospital with vomiting and epigastric pain for 3 weeks and coffee-ground vomitus for 1 day. She reported 6 kg of weight loss over a 1-month period. The patient had been sexually active with the same male partner for the past 20 years but reported her partner to be promiscuous. Physical examination was remarkable for epigastric tenderness. CT of the abdomen showed mural thickening of the stomach (figure 1). Upper endoscopy showed erythema and friable mucosa with nodularity (figure 2). Multiple biopsies revealed gastric syphilis with interstitial metaplasia, and immunostaining showed numerous Treponema pallidum (figures 3 and 4). Rapid plasma reagin (RPR) titre was 1:128 (normal: non-reactive). The patient received one dose of intramuscular penicillin G 2.4 million units and reported full resolution of her symptoms on 3 months’ follow-up. Repeat RPR titre 3 months after treatment was 1:32, repeat upper endoscopy at the same time showed resolved inflammation and absent T. pallidum on staining. The patient tested negative for HIV.

Involvement of the stomach by syphilis during the secondary phase has been described since the 18th century, with the first two cases described in 1834.1 Due to the rarity of the disease and the non-specific symptoms and signs, it is not well recognised by many
Conclusions

Syphilitic gastritis is one of the rare manifestations of syphilis that is not well recognised by physicians. The majority of patients affected by syphilitic gastritis lack other signs and symptoms of syphilis and no previous history of primary infection. Diagnosis of syphilitic gastritis rely on the combination of history, physical, radiological, serological and pathological findings. Treatment with penicillin based on the clinical stage of syphilis is curative.

Contributors

MO carried out the literature review, wrote the initial draft of the manuscript, revised it critically, collected the images, approved the final version to be published and made sure all the information presented in the manuscript was accurate. SH edited the manuscript, revised it critically, approved the final version to be published and made sure all the information presented in the manuscript was accurate. QA, ME and GB edited the manuscript, revised it critically, approved the final version to be published and made sure all the information presented in the manuscript was accurate.

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Competing interests

None declared.

Patient consent

Obtained.

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Learning points

► Syphilitic gastritis is one of the rare manifestations of syphilis that is not well recognised by physicians.
► The majority of patients affected by syphilitic gastritis lack other signs and symptoms of syphilis and no previous history of primary infection.
► Diagnosis of syphilitic gastritis rely on the combination of history, physical, radiological, serological and pathological findings. Treatment with penicillin based on the clinical stage of syphilis is curative.

REFERENCES