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BALCÁZAR-VALENCIA, CARLOS MARIO; OCAMPO, JOSÉ MAURICIO

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Atraumatic perforated penetrating aortic ulcer An entity to remember

CARLOS MARIO BALCÁZAR-VALENCIA, JOSÉ MAURICIO OCAMPO • CALI (COLOMBIA)

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Figure 1. Maculopapular rash on the palms.



Figure 2. Aortic computed tomography angiography, with three dimensional reconstruction, showing a perforated penetrating ulcer in the aortic arch.

A 52-year-old man consulted in the emergency room due to a three-month history of dry cough and oppressive chest pain, associated with dysphonia and dyspnea on exertion. He reported that the symptoms had become more intense over the last week and today he had collapsed. He did not report any history of trauma or personal or family history of coronary disease. His only risk factor was active smoking for the last 10 years. On physical exam, he had a blood pressure of 90/60 mmHg, heart rate of 140 beats per minute and general pallor. No heart or lung abnormalities were found, but he did have generalized lymphadenopathy with a maculopapular rash on the palms of his hands (Figure 1). The electrocardiogram only showed sinus tachycardia. An aortic problem was suspected, and an aortic computed tomography angiography

revealed a perforated penetrating ulcer of the aortic arch (Figure 2). Coronary angiography showed no angiographically significant lesions. Human immunodeficiency virus infection was ruled out; however, a serological test for syphilis was positive at a 1:64 dilution. These findings are compatible with the perforation of an atraumatic penetrating ulcer of the transverse aorta due to secondary syphilis.

Dr. Carlos Mario Balcázar-Valencia: Internista. Clínica Sebastián de Belalcázar, Grupo Interinstitucional de Medicina Interna (GIMI 1) Universidad Libre; Dr. José Mauricio Ocampo-xx: Internista. Profesor Asociado, Departamento de Medicina Interna Universidad Libre, Grupo Interinstitucional de Medicina Interna (GIMI 1). Profesor Asociado, Departamento de Medicina Familiar Universidad del Valle, Cali, (Colombia)

Correspondencia: Dr. Carlos Mario Balcázar-Valencia. Cali (Colombia).

E-Mail: carlosmariobv@gmail.com

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