



Medical Imagery

Löeffler's syndrome



Loeffler syndrome (LS) is a transient respiratory illness associated with peripheral eosinophilia (PE) and radiographic infiltrates (Meta-jevtovic et al., 2008). *Ascaris lumbricoides* is the most common cause (Celandroni et al., 2002). We report a case of a 33-year-old man who presented with a four-day history of fever, dry cough and mild dyspnea in a Brazilian Amazon emergency department. Lung auscultation was normal. Chest

radiograph showed bilateral pulmonary infiltrations (BPI) with mixed patterns (Figure 1A). High-resolution CT revealed bilateral scattered ground-glass opacities and peripheral consolidation (Figure 1B). Laboratory data showed 31,500 white blood cells per microliter with 65% of eosinophils. HIV serologic test, blood culture, parasitological stool microscopy using Hoffman, Pons and Janer, and Ritchie methods were negative. The patient was treated with antibiotics and prednisone. 48 h later, the patient presented improvement. After three months of follow-up, the patient had gastrointestinal symptoms and Hoffman, Pons and Janer, and Ritchie methods identify *A. lumbricoides* eggs. There was clinical improvement after treatment with mebendazole. LS is characterized by absence or presence of moderate symptoms and temporal BPI that may spontaneously improve (Celandroni et al., 2002). It should be considered a differential diagnosis in case of fever, asthma-like symptoms, BPI and living in endemic areas for parasitic infections, such as Brazilian Amazon (Ekin et al., 2016). Effective treatment may be achieved with corticosteroids (Akuthota and Weller, 2012) and the appropriate use of anthelmintic drugs is indicated (Vijayan, 2008).

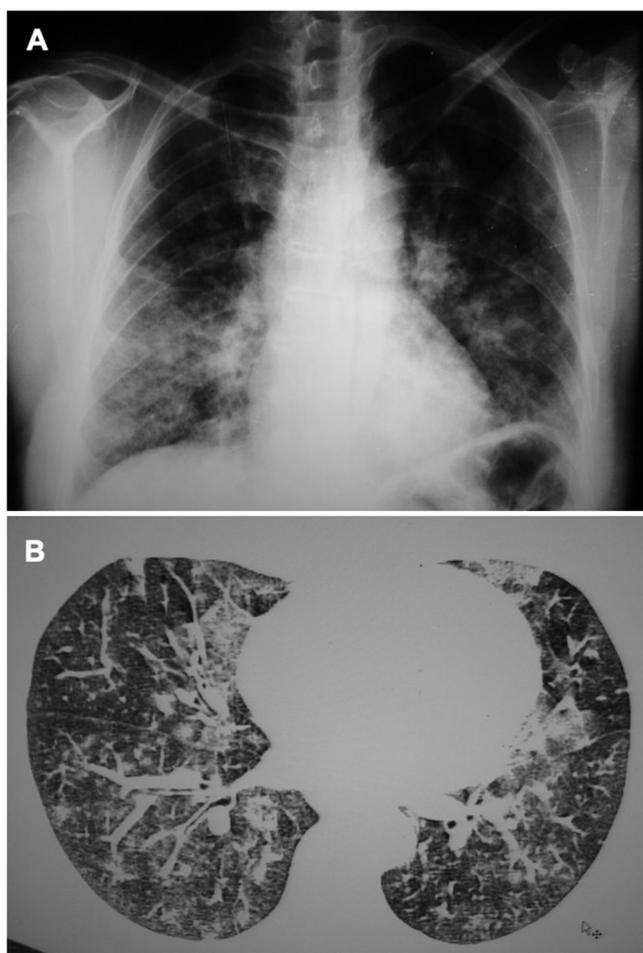


Figure 1. Chest radiograph (A) and high-resolution CT (B) of the lungs. **A.** Bilateral infiltrate with mixed patterns. **B.** Bilateral scattered ground-glass opacities and peripheral consolidation.

Conflict of interest

On behalf of all authors, the corresponding author states that there is no conflict of interest.

Funding source

There is no funding source.

Ethical approval

Not applicable.

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Corresponding Editor: Eskild Petersen, Aarhus, Denmark

Received 24 July 2019

Received in revised form 4 September 2019

Accepted 9 September 2019