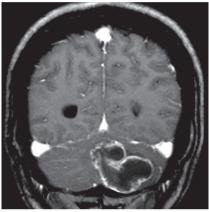


Concomitant pulmonary and central nervous system paracoccidioidomycosis with cerebellar abscess

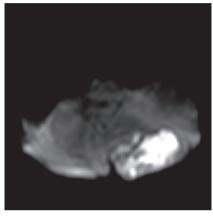
Lucas Giansante Abud^{[1],[2]}, Rodolfo Mendes Queiroz^[1] and Thiago Giansante Abud^{[1],[3]}

[1]. Documenta, Hospital São Francisco, Ribeirão Preto, São Paulo, Brasil. [2]. Setor de Radiologia, Hospital das Clínicas, Faculdade de Medicina de Ribeirão Preto, Universidade de São Paulo, Ribeirão Preto, São Paulo, Brasil. [3]. Setor de Radiologia, Universidade Federal de São Paulo, São Paulo, São Paulo, Brasil.





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A 59-year-old man with no previous diagnosis was admitted to hospital with a history of headache, ataxia, and cough.

Computed tomography (CT) of the chest showed ground-glass attenuation, consolidation, nodules, cavitations, and fibrotic lesions in both lungs, strongly suggesting the possibility of a granulomatous process (**Figure A**). These radiological findings are commonly seen in fungal disease, supporting a diagnosis of a chronic form of pulmonary paracoccidioidomycosis⁽¹⁾.

The contrast-enhanced coronal T1-weighted magnetic resonance image (MRI) of the brain showed a ring-enhancing mass in the left cerebellar hemisphere, suggesting a necrotic lesion (Figure B). A hypersignal in the cavity on the axial diffusion-weighted image (Figure C) was interpreted as reduced water molecule movement (restricted diffusion) and reflected a high viscosity of the proteinaceous fluid with a high concentration of inflammatory cells. Although these features are not pathognomonic, they are extremely characteristic of an abscess⁽²⁾.

The patient underwent surgical drainage of the cerebellar lesion. The histopathological findings were leveduriform structures of *Paracoccidioides brasiliensis*.

Corresponding author: Dr. Lucas Giansante Abud. Rua Bernardino de Campos 1426, 14015-130 Ribeirão Preto, São Paulo, Brasil.

Phone: 55 16 3610-2025 e-mail: abud.lucas@gmail.com Received 10 August 2015 Accepted 3 September 2015 Paracoccidioidomycosis (PCM) is one of the most common fungal diseases and can compromise one or multiple organs⁽³⁾. Diagnosis can be confirmed by biopsy, immunological assay, culture, or direct microscopy. Recommended pharmacological treatment includes itraconazole, sulfamethoxazole + trimethoprim, and amphotericin B.

Thus, the combination of chest CT findings, suggesting a granulomatous infectious process, and MRI, showing a probable encephalic abscess, should lead to a diagnosis of PCM with concomitant involvement of the central nervous system and lungs, allowing early initiation of specific treatment and reduction of the associated morbimortality.

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