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Photo quiz: young girl with cough, headache, and visual loss.

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Photo Quiz

(For answer and discussion, see page 3473 in this issue [[doi:10.1128/JCM.01626-12](https://doi.org/10.1128/JCM.01626-12)].)

Young Girl with Cough, Headache, and Visual Loss

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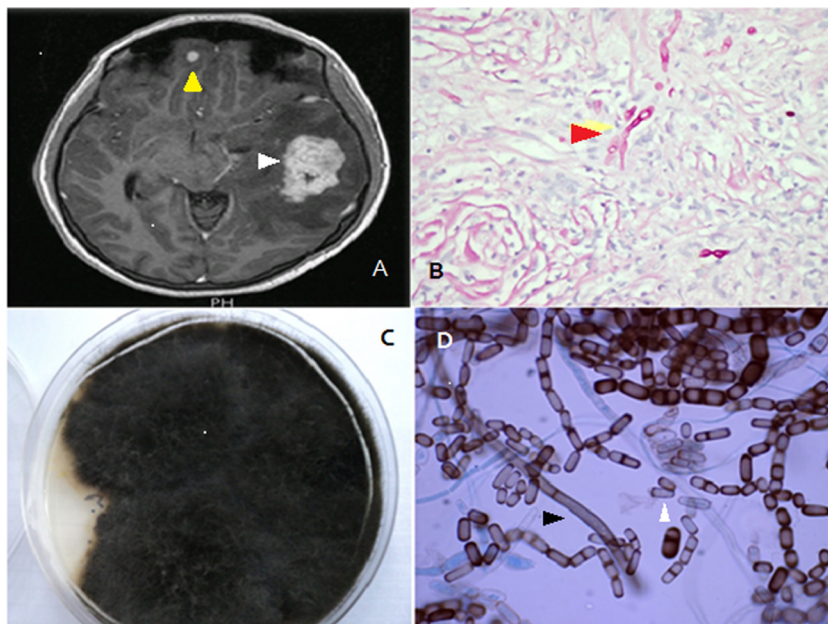


FIG 1 (A) T_1 -weighted axial section of the MRI brain scan, with contrast showing hyperintense signals with surrounding edema in the left parietotemporal region (white arrowhead) and a small hyperintense signal in the right frontal area (yellow arrowhead). (B) Periodic acid-Schiff stain of the lung nodule. The area of interest is marked (red arrowhead). (C) Colony morphology on Sabouraud dextrose agar (SDA) on day 5. (D) Lactophenol cotton blue slide prepared from culture. Magnification, $\times 100$.

An 18-year-old girl who had never been sick before complained of vision loss, headaches, cough, and weight loss for a month. She had been seen by a general practitioner for the above-mentioned symptoms and had been started on empirical antituberculous treatment. After 4 months of therapy, her symptoms persisted. Finally, with her symptoms worsening, she underwent magnetic resonance imaging (MRI) of the brain, which showed two space-occupying lesions ([Fig. 1A](#)). She was also found to have a coin-shaped lesion on her chest X-ray examination. A computed tomography (CT) scan of the chest and abdomen showed multiple cavities and nodules in both the lungs and the kidneys. A CT scan-guided biopsy of the

lung and kidney nodule was performed, and the biopsy specimen was sent for histopathological analysis along with bacterial, fungal, and mycobacterial cultures. Based on the results of the histopathological analysis ([Fig. 1B](#)), the colonial morphology ([Fig. 1C](#)), and the microscopic features ([Fig. 1D](#)), what is your diagnosis?

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