A 32-Year-Old Brazilian Woman with Severe Headache and Fever
(See pages 1549–50 for Answer to Photo Quiz)

A previously healthy 32-year-old Brazilian woman presented to the hospital with a 7-day history of fever, vomiting, and severe headache. During the initial evaluation in the emergency department, her vital signs were found to be normal, but her temperature was 38.2°C, and she vomited 2 times. Physical examination revealed a stiff neck with no focal neurological abnormalities. Fundoscopic examination showed no papilledema. Laboratory studies revealed HIV infection (as determined by an ELISA test) and a CD4 cell count of 54 cells/mm³. CT of the brain was performed, and the scan showed a hyperdense lesion in the right basal ganglia region with surrounding edema (figure 1). Lumbar puncture revealed a WBC count of 40 cells/mm³ (90% lymphocytes), a glucose level of 65 mg/dL, and a protein level of 70 mg/dL. Giemsa staining of a CSF sample was performed (figure 2).

What is your diagnosis?