

52nd ANNUAL DIAGNOSTIC SLIDE SESSION 2011.

CASE 2011-7

Submitted by:

Aditya Raghunathan, MD, MPH
Suzanne Z. Powell, MD

Department of Pathology and Laboratory Medicine,
The Methodist Hospital,
6565 Fannin St, M227
Houston, TX 77030

Clinical History:

A 47-year-old woman was diagnosed with HIV at age 33, and had not taken any therapy for the past 14 years. She is known to also have past medical history of shingles. She had been in a normal state of health until 4-5 weeks prior to presentation, when she developed slurred speech. She then presented to the emergency room with altered mental status, blurred vision, headaches and behavioral changes. Her CD4 count was 20 on admission. Upon further evaluation, she was found to have a large mediastinal mass and multiple brain lesions (see attached MRI).

Her mediastinal mass was surgically resected first, and was consistent with adenomatous hyperplasia of the thyroid gland.

Subsequently, biopsies of her frontal lobe lesions were obtained.

The viral cultures taken at the time of surgery were negative for CMV, HSV, Varicella, and Enterovirus. The bacterial and fungal cultures were also negative.

A diagnostic study was performed.

Material submitted: H&E section of cerebrum

Points for discussion:
1. Diagnosis
2. Pathogenesis