

51st ANNUAL DIAGNOSTIC SLIDE SESSION 2010

CASE 2010-5

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Clinical History:

A 38-year-old man presented in early 2009 with seizures after a year-long history of fluctuating neurological signs and symptoms. The patient had a history of HIV, ongoing cocaine use and intermittent compliance with his anti-HIV regimen. Imaging studies showed bilateral, occipital white matter hypodensities that had been present over the past year as well as a new area of hypodensity in the posterior left parieto-occipital lobe.

Laboratory data:

	Aug 2007	Apr 2008	Feb 2009
Lymphocytes (680-3280) cells/ul	1012	888	1890
CD3+ (850-4950) cells/ul	921	755	1474
CD3+CD4+ (350-1800) cells/ul	71	36	346
CD3+CD8+ (250-2200) cells/ul	840	684	1191
Helper/suppressor ratio (0.9-3.5)	0.08	0.05	0.21
HIV PCR-QN copies/ml	157910	244580	3580

Material submitted:

Virtual slide from Luxol Fast blue/H&E brain biopsy of the right parieto-occipital lobe.

(Virtual Image posted on AANP-DSS web site)

Points of discussion:

1. Differential Diagnosis