Doctors at the National Institutes of Health (NIH) are conducting a research study to better understand the disease course and pathogenesis of progressive multifocal leukoencephalopathy (PML).

PML is a devastating, demyelinating disease affecting the brain of patients with a compromised immune system. This can be due to medications that change the immune system (like natalizumab, Tysabri) or due to other conditions like HIV infection.

No treatment is currently available for PML. We are recruiting patients with PML to help us learn more about the disease course and pathophysiology to help diagnose PML earlier and to identify potential therapeutic targets.

Patients may qualify, if they:
- at least 2 years old
- have been diagnosed with PML (regardless of the underlying condition)

Patients may NOT qualify, if they:
- can not get an MRI scan
- can not get a lumbar puncture
- are pregnant

Participants will be seen several times at the NIH in Bethesda, Maryland. Travel expenses will be paid and participants will be compensated for taking part in the research study. Evaluations will involve clinical exam, magnet resonance imaging (MRI) with contrast, blood tests, and analysis of cerebrospinal fluid (CSF).

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www.clinicaltrials.gov
Refer to study number 13N0017