

**Final
Diagnosis**

CNS Lyme Infection

Neuroborreliosis (aka CNS Lyme infection)

- LNB occurs in 12% of Lyme infected cases
- Bannwarth syndrome: rare, seen more in Europe, may be associated with *B. garinii* and *B. afzelii*, which are more common in Europe, and not *B. burgdorferi*, more common in the USA
 - 1. migrating radicular pain accompanied by peripheral nerve paresis
 - 2. Uni- or bilateral facial palsy
 - 3. CSF pleocytosis
- Clinical manifestations of LNB include:
 - Painful radiculitis in 65.9%
 - Cranial palsy in 43.3%
 - Headache in 28.3%
 - Only 3.2% did not improve with antibiotic therapy
- Steroids may result in worse outcomes