

E077

**2-hour Educational Workshop**

**Laboratory support in the diagnosis of Lyme borreliosis**

**CSF examinations for diagnosis and treatment of Lyme neuroborreliosis**

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The analysis of the cerebrospinal fluid (CSF) is the most important step in the diagnostic workup of patients with suspected Lyme neuroborreliosis. In this lecture, the listener will first learn to know the clinical spectrum of Lyme neuroborreliosis. Then, the procedure of the lumbar puncture will be presented. Afterwards, a short overview over the basic parameters of the CSF will be given and the relevant ones for the diagnostic workup of Lyme neuroborreliosis will be explained in detail. An emphasis will be on the relevance of CXCL13 as a new biomarker, including a meta-analysis of the existing literature and its value as a therapy marker. Finally, an overview over other new and experimental CSF parameters will be given.