Lyme Disease Serology on CSF

On 1/31/2018 Mayo Medical Laboratories (MML) will inactivate Lyme Disease Serology on CSF that reflexed to Lyme Disease Antibody Immunoblotting for confirmation (Order Code: LYCSF, PRISM Code: LAB910). This test will be replaced by Lyme CNS Infection IgG with Antibody Index Reflex (Order Code: LYCNS). The reasoning behind this change is given in the statement from MML below:

“LYCSF will be obsolete on 1/31/18. Lyme CNS Infection IgG with Antibody Index Reflex will be offered as the replacement test and is designed to differentiate between true intrathecal synthesis of antibodies to Borrelia burgdorferi sensu lato (BbsI) genospecies (e.g., B. burgdorferi, B. garinii and B. afzelii) versus the presence of anti-BbsI antibodies in CSF due to permeability of the blood-brain barrier or as a result of a traumatic lumbar puncture.”

The testing algorithm and specimen requirements are given by MML as such: “If this test is reactive, the antibody index is performed at an additional charge to compare the level of anti-Borrelia IgG-class antibodies in CSF versus serum. Both cerebrospinal fluid (CSF) and serum are required for this test. CSF and serum must be collected within 24 hours maximum of each other.”

Since the LYCNS test requires a paired serum to complete the reflex testing, we will be adding a prompt and requirement with the LYCNS order to collect a serum tube in addition to the CSF sample. This is the same measure we have employed for CSF Oligoclonal Banding testing to ensure that a paired serum sample is obtained with each CSF sample.

If you have any questions concerning these changes please contact Dr. Clayton Wilburn (clayton.wilburn@uvmhealth.org) in the Laboratory.