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Case Report: Optic Neuritis and Probable Lyme Disease

Ahmet Burakgazi, MD is currently an Associate Professor in the Department of Medicine. He is board certified in neurology by ABPN and clinical neurophysiologist by AANEM EMG board. After successfully completion of neurology residency and fellowship training in clinical neurophysiology-EMG track at George Washington University, he joined to Virginia Tech Carilion School of Medicine in 2011. He has successfully established my own outpatient clinic diagnosing and treating wide spectrum neurological diseases, particularly neuromuscular diseases. He is the founder and director of MDA/ALS multidisciplinary clinic. He has conducted several research projects, published several peer-review articles, and presented posters/abstracts at international, national, and local conferences during my time at VTCSOM. His researches have been mainly focused on nature and treatment of peripheral neuropathies.

Conference Lecture Summary

Optic neuritis (ON) is one of the most common manifestations of central nervous system involvement caused by various etiologies. Lyme ON is an exceedingly rare ocular manifestation of Lyme disease (LD) and only a few cases have been published in the literature. Lyme ON is very rare but should be included in the differential diagnosis in

unexplained cases, particularly in Lyme endemic areas. Careful and detailed examination and investigation are warranted to make the diagnosis. I will talk on this case to increase awareness of clinicians to include Lyme disease in differential diagnosis of ON for unexplained cases of ON. I will present a unique case with a unilateral ON caused by LD along with pre- and posttreatment findings and literature review.