Title: Susac syndrome: A case report with interesting neuroradiologic and dermatologic findings

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Susac syndrome is characterized by the triad of encephalopathy with or without focal neurological signs, branch retinal artery occlusions, and hearing loss. The overall rarity of this disorder, coupled with presentations initially lacking the triad, further complicates the diagnosis. The clinical presentation of Susac syndrome can spur the creation of a vast differential, however, the MRI, ophthalmological, and otolaryngological findings indicate a specific culprit. We report a case of Susac syndrome with characteristic branch retinal artery occlusion (BRAO), encephalopathy, and hearing loss accompanied by a macular rash and vestibular disturbances. Included is a detailed history complete with an extensive work-up and relevant neuroradiologic, ophthalmologic, otolaryngologic, and rheumatologic findings in a 25 year-old male patient. Fluorescent angiography findings showed a left BRAO. MRI of the brain demonstrated diffuse leptomeningeal enhancement. There was a miliary appearance of the cerebrum with numerous, tiny contrast enhancing lesions. The classic finding of a "moth-eaten" corpus callosum was also present. Methyl-Prednisolone Sodium Succinate and IVIG were administered, resulting in successful treatment.

Biography

Brandon Merical is a third year medical student at the East Tennessee State University Quillen College of Medicine. He is president of the Student Interest Group in Neurology at the Quillen College of Medicine. He received a bachelor's degree in Microbiology from the University of Tennessee with minors in Africana Studies and Neuroscience. He was the recipient of the Lisa Kahn Memorial Undergraduate Research Award as an undergraduate. His current interests are in pursuing a residency position in neurology at an academic institution.

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