

Poster presentation

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Subject: Neuroimaging: brain

Title: Sarcoidosis of the nervous system MRI - findings

Objective: Evaluation the role of MRI in the diagnosis and treatment of patients with neurosarcoidosis.

Introduction: Sarcoidosis is a multi-systemic granulomatosis disease of unknown etiology. In 90 % of patients the disease affects lungs, most commonly as a bilateral lymphadenopathy. Sarcoidosis can also involve other organs such as lymph nodes, eyes, skin, he muscles, liver, and brain. Neurosarcoidosis can be found in 5 - 15 % of patients with sarcoidosis, whereas central neurosarcoidosis occur about 5 % of patients. Diagnosis is based on the clinical presentation of morphologic changes in different organs (lung, liver, etc.) in pat with sarcoidosis, MRI of the brain, values of enzyme (ACE) in serum and liquor and CT-study, but definitive diagnosis can only be made iopsy.

Case discussion: We present a 37 y/o female with sudden los of vision in both eyes and occasional occurrence of dizziness nguor. We use MRI examinations to present the parenchymal, leptomeningeal and cranial nerve involvement. The disease began with anges in left cheek, arms and both hands. Definitive diagnosis is made by biopsy.

Conclusion: MRI is a high sensitive tool for diagnostic evaluation and follows up of patients with neurosarcoidosis. MRI studie CNC inflammation, but lack of specifies, making the ascertainment of neurosarcoidosis a clinical challenge.