

CNS Infection in Asia: the Value of MRI

Rakesh K Gupta, MD
Director and Head,
Department of Radiology and Imaging
Fortis Memorial Research Institute,
Gurgaon, India

Central nervous system (CNS) infections are treatable life threatening conditions; however clinical outcome largely depends up on early diagnosis and treatment. Diagnosis of infective diseases relies on the demonstration of the offending organism using laboratory investigations. Neuroimaging studies play an important role in its early diagnosis, as the laboratory confirmation may take days to reach a definitive diagnosis. MRI is considered the modality of choice as it is more sensitive and specific for detection of both parenchymal as well as meningeal abnormalities. In addition, the use of advanced MRI tools may help in improving the specificity of the diagnosis. In this presentation, I will briefly discuss the key neuroimaging features of the commonly encountered CNS infections in Asia those may help in identification of the disease.