

JOINT EVENT

14th International Conference on **Generic Drugs and Biosimilars**
&
9th Global Experts Meeting on **Neuropharmacology**

November 15-16, 2018 | Berlin, Germany

Neurological manifestation of Scrub typhus

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Scrub typhus also known as tsutsugamushi disease is an acute febrile illness caused by *Orientia tsutsugamushi*. It is a mite borne disease characterized by fever with headache, suffused face, lymphadenopathy, eschar, multi organ involvement and a rapid response to doxycycline. Our study of the neurological involvement of scrub typhus, showed both direct and immune mediated involvement. Direct involvement was as follows: meningitis, meningoencephalitis, encephalitis, encephalopathy, seizure, stroke. Immune mediated involvement was as follows: optic neuritis, myelitis, acute disseminated encephalomyelitis, neuropathy. The cases were diagnosed clinically by presence of fever, eschar, and nervous system involvement. Laboratory investigation was done with Weil Felix test and ELISA (IgG and IgM). Neuroimaging and Cerebrospinal fluid analysis was also done. Most patients responded to doxycycline. Few complicated cases required addition of chloramphenicol.

Biography

Masaraf Hussain pursued his MBBS and MD (Medicine) from Netaji Subhash Chandra Bose Medical College, Jabalpur; DM (Neurology) from Gauhati Medical College, Assam, India respectively. He is presently working as an Assistant Professor in the Department of Neurology at the North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences Shillong, India. He is mainly interested in neuroinfections and cognitive disorders.

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