Multiple Eschars in Scrub Typhus

Rajeev Mohan Kaushik*, Reshma Kaushik and Anurag Bhargava

Received 10 November, 2013 Accepted 9 March, 2014 Published online 5 April, 2014

Abstract: An eschar is highly suggestive of scrub typhus in a case of fever. Multiple eschars are rare in scrub typhus. We present a picture of multiple eschars in scrub typhus.

Key words: multiple eschars, scrub typhus, India

Multiple Eschars in Scrub Typhus

Rajeev Mohan Kaushik, Reshma Kaushik, Anurag Bhargava

Scrub typhus is an acute infectious disease in which eschar is observed as a pathognomonic sign. Eschars have been reported in 7 to 97% of scrub typhus cases [1, 2] and are usually solitary. Multiple eschars have been reported in 0.6 to 2.2% of patients with confirmed scrub typhus [3–5].

A 47-year-old housewife from a rural area presented with high grade fever associated with chills, headache and myalgia for seven days, breathlessness for two days and altered sensorium for one day. There was a history of exposure to bushy vegetation. Upon examination, the patient was stuporous and showed tachycardia, hypotension and hypoxemia. Multiple (five) eschars were seen over the antero-lateral aspect of the upper third of the right thigh and lower abdomen (Figs. 1 & 2, both taken on the same day). There were coarse crackles bilaterally, hepatomegaly, and nuchal rigidity. Investigations revealed leukocytosis, thrombocytopenia and abnormal liver and renal function test results. ELISA for IgM antibodies to Orientia tsutsugamushi (InBios, USA) was positive. Chest x-ray showed bilateral lower zone consolidation. The PaO2:FIO2 ratio indicated acute respiratory distress syndrome (ARDS). Cerebrospinal fluid (CSF) examination revealed mononuclear pleocytosis, raised protein, normal CSF glucose, and negative Gram and acid fast stain. Blood, urine and CSF cultures were sterile.

In view of the compatible clinical features, multiple eschars and positive serology for scrub typhus, the patient was given oral doxycycline, parenteral chloramphenicol, meropenem and other supportive treatment for scrub typhus meningoencephalitis featuring multi-organ dysfunction syndrome with ARDS, but she succumbed to the...
disease on the 4th day of hospitalization.

REFERENCES


