TITLE: Langerhans Cell Histiocytosis: Clinical Case of a Difficult Diagnosis

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ABSTRACT

Langerhans Cell Histiocytosis (LCH) is a rather rare disorder with a wide spectrum of non-specific clinical manifestations, creating difficulties for diagnosis within the first days of hospitalization. Skin biopsy is required to confirm the diagnosis. Differential diagnosis is needed, to exclude other disorders manifested by a slowly evolving hemorrhagic rash.

This paper describes a clinical case of LCH in a newborn girl. She presented with petechial and small macular hemorrhagic rash on the skin of the head, face, torso, and extremities, including the feet. The skin in the central portions of some small maculae had the appearance of ruptured pustules. The initial diagnosis was idiopathic thrombocytopenic purpura. In view, however, of both the failure of the skin lesions to improve with treatment and the uncertainty of the initial diagnosis of idiopathic thrombocytopenic purpura, a multidisciplinary team decided in favor of performing a biopsy of the skin. The histology and immunohistochemistry confirmed LCH.

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BIOGRAPHY

Rezeda Fayzullina - has completed her DSc (doctor of science) at the age of 43 years. She is professor of the Department of faculty pediatrics with courses in pediatrics, neonatology and simulation center of IDPO of the BSMU of the Ministry of Health of Russia, Russian Federation. She has over 200 publications that have been cited over 1100 times, and her publication h-index is 13. She is an expert in the field of pulmonology, allergology and immunology.