Coexistence of localized Langerhans cell histiocytosis and cutaneous Rosai-Dorfman disease

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摘要

Abstract

Rosai-Dorfman disease (RDD; sinus histiocytosis with massive lymphadenopathy) and Langerhans cell histiocytosis (LCH) are two different yet pathogenetically related histiocytic disorders. While systemic and localized forms have been identified in both diseases, each has its own characteristic histological, immunohistochemical and ultrastructural profile. Rarely, either RDD or LCH can also occur in the context of certain malignant neoplasms. However, the coexistence of RDD and LCH has never beendescribed. We report a case of cutaneous RDD in which a focus of LCH was found. Clinical and laboratory examinations revealed no evidence of extracutaneous involvement of RDD or LCH. We believe that this is the first report of such a coexistence, andthe possible pathogenesis is discussed.