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Langerhans cell histiocytosis in a 69-year-old man with cutaneous atypical manifestation: A rare case

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Langerhans cell histiocytosis (LCH) is a rare disease characterized by aberrant proliferation of the Langerhans cells with unknown etiology. It can affect any age but most common in children aged 1-3 years with male-female ratio 2:1. The incidence appears one to two cases per million adults. A case of a 69-year-old man diagnosed with LCH was reported. The patient presented with unconsciousness, shortness of breath, cough, accompanied with rash erythematous macules, purpuric rash, scales and sanguinolenta crusts in entire body with ulcer on the left ankle. There were jaundice, hepatomegaly and lymphadenopathy on left groin confirmed from physical examination. Laboratory tests showed that there were anemia, thrombocytopenia, leukocytosis with elevated absolute eosinophil count 15.696/µl, urea 296 mg/dl, creatinine 9.84 mg/dl, SGOT-1601 U/L, SGPT-3227 U/L. On chest radiograph, it was found lymphadenopathy on right perihilar and suspect bronchopneumonia. The diagnosis was made by involvement of multiple organ system, histopathological examination and immunohistochemical staining result. On the 13th day of observation, histopathological examination has been done on the lymphadenopathy in left groin region. The histopathological result showed multinucleated and mononucleated Langerhans and eosinophil cells on subcapsular lymphoid. The imunnohistochemical result showed CD1a and S100 protein positive staining. LCH had unfavorable prognosis. On the 15th day of observation, the patient died. LCH on geriatric is rare with various and atypical clinical manifestation that can be underdiagnosed.

Biography

Icha Rachmawati Kusmayadi has completed her MD from Padjadjaran University, Indonesia. Presently, she is a Dermatology and Venereology Resident at Padjadjaran University, West Java, Indonesia.

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