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Pericardial effusion in Langerhans cell histiocytosis: A case report

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Introduction: Langerhans cell histiocytosis (LCH) is a proliferative disorder of histiocytes in multiple organs. Langerhans cell histiocytosis involves bones, skin, lung and other organs.

Case Presentation: This study describes a seven months old Iranian girl who presented with skin rash and cervical lymphadenopathy. Langerhans cell histiocytosis was suspected when it associated with anemia, splenomegaly and lytic bone lesions. Skin biopsy confirmed the diagnosis of Langerhans cell histiocytosis. During hospitalization she looked ill with respiratory distress. A chest X-ray showed ground glass view. The finding of echocardiography showed moderate pericardial effusion.

Conclusions: Pericardial effusion was rare finding in Langerhans cell histiocytosis that was found in this case. Pericardial effusion in Langerhans cell histiocytosis which is an unusual presentation should be sought for when the patient have respiratory distress.

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