Unusual Extramedullary Presentation of Mixed Phenotype Acute Leukemia – A Case Report

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Abstract

Mixed phenotype acute leukemia (MPAL) is a rare subtype of acute leukemia. The clinical manifestations are both due to bone marrow failure and extramedullary sites of involvement which can lead to protean manifestations. Accurate and timely diagnosis needs clinical suspicion as well as collaboration with the hematopathologist. Extramedullary (EM) disease poses a unique therapeutic challenge. There is a need for more data to guide treatment decisions and justify the usefulness of radiation and allogeneic stem cell transplant. We present 3 cases of MPAL with unusual EM sites of involvement.

Keywords: Mixed phenotype, acute leukaemia, clinical presentation, extramedullary site, therapeutic challenge