

Editöre Mektup / Letter to the Editor



Acute Myeloid Leukaemia with Giant Inclusion: Pseudo-Che´Diak-Higashi Anomaly

Dev İnklüzyonlu Akut Miyeloid Losemi: Pseudo-Che´Diak-Higashi Anomalisi

Dear editor,

A 52-year-old female patient who was admitted to our clinic with fever (39°C) since for 7 days. She had pale appearance. Her blood parameters were as follows: leukocyte count 323×10°/L, hemoglobin 6 g/dL, hematocrit 19%, and platelet count 11×10°/L. There were blastic cells (almost all of the cells) on peripheral smear and bone barrow aspiration. Acute myeloid leukemia (AML) (minimally differentiated according to World Health Organization classification, AML-M1 according to French-American-British classification) was diagnosed after bone marrow biopsy and flow cytometry. Blastic cells containing pseudo-Che'diak-Higashi inclusions were observed on peripheral smear and bone barrow aspiration (Figure 1). The inclusions might be the merger of primary granules.

In the literature, cases with pseudo-Che´diak-Higashi inclusions were reported rarely. This inclusions can be seen in AML or myelodysplastic syndrome (MDS) (refractory anaemia with excess blasts) (1-4). Myeloperoxidase activity-Sudan black B staining is positive for this inclusions that is form of azurophilic (primary) granules and composed of micro-structures like Auer bodies (2-5). Althought the clinical significance is unclear fort he inclusions, it is important to be similar of Auer rods.

Our aim is to emphasize the pseudo-Che´diak-Higashi inclusions that might be seen in patients with MDS or AML.

Informed Consent: Written informed consent was obtained from patient who participated in this study.

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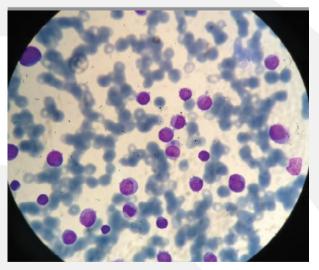


Figure 1. Blastic cell containing pseudo-Che'diak-Higashi inclusion

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Kaynaklar

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