

Myeloma Cells with Auer Rod-like Inclusions

Auer Çubuğu Benzeri İnklüzyonlara Sahip Myeloma Hücreleri

Abbas Hashim Abdulsalam¹, Fatin Mohammed Al-yassin²

¹Al-Yarmouk Teaching Hospital, Teaching Laboratories Department, Hematology Unit, Baghdad, Iraq

²Baghdad Medical City, Teaching Laboratories, Hematology Department, Baghdad, Iraq

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Analysis of bone marrow aspirate obtained from a 47-year-old female that presented with backache showed that she had IgG- κ -type multiple myeloma and renal impairment. FBC showed the following: Hb: 100 g L⁻¹; Hct: 0.34 l/l; WBC: 9.5 x 10⁹ L⁻¹; platelet count: 194 x 10⁹ L⁻¹; differential count: normal.

The presented image showings heavily granulated myeloma cells, some with Auer rod-like inclusions. Auer rod-like inclusions in myeloma are composed of crystallized lysosomal enzyme depositions. They are distinguished from intracytoplasmic immunoglobulin crystals. The factors that predispose to Auer rod-like inclusions in myeloma are unknown; however, in all reported cases paraprotein was of the kappa type. [1]

Written informed consent was obtained from the patient.

Conflict of Interest Statement

The authors of this paper have no conflicts of interest, including specific financial interests, relationships, and/or affiliations relevant to the subject matter or materials included.

Reference

1. Hutter G, Nowak D, Blau IW, Thiel E: Auer rod like intracytoplasmic inclusions in multiple myeloma. A case report and review of literature. *Int J Lab Hematol* 2009; 31: 236-240

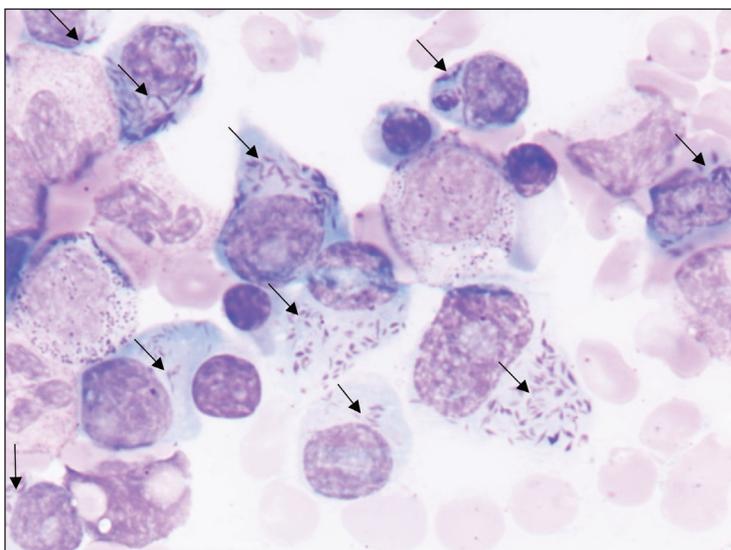


Figure 1: Heavily granulated myeloma cells, some with Auer rod-like granules.

Address for Correspondence: Abbas Hashim ABDULSALAM, M.D.,

Al-Yarmouk Teaching Hospital 964 Baghdad, Iraq

Phone: +90 964 7904 188690 E-mail: dr.abbas77@yahoo.com

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