

Reply: “Auer Rod-Like Inclusions in Reactive Plasma Cells in a Case of Acute Myeloid Leukemia”

Cevap: “Akut Myeloid Lösemi Tanılı Bir Olguda Reaktif Plazma Hücrelerinde Auer Rod Benzeri İnklüzyonlar”

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To the Editor,

First I would like to thank Smeeta Gajendra for scrutinizing my article in her ‘Comment: In Response to “Auer Rod-Like Inclusions in Reactive Plasma Cells in a Case of Acute Myeloid Leukemia”’ published online and for bringing to light the missing reference of Sharma et al. [1], who reported a case of Auer rod-like inclusions in plasma cells in a case of therapy-related AML. I sincerely regret missing that article in my literature search but I would also like to clarify a few points.

My presented case was not secondary AML and the patient had no prior history of chemotherapy, unlike the case reported by Sharma et al. [1]. The aim of my publication was to highlight a rare and interesting morphological finding, but within a limit of

200 words it was not possible to acknowledge all hematological malignancies showing similar inclusions in plasma cells.

In conclusion, I would like to again thank Dr. Gajendra for the elaborate and informative additions made in the commentary.

Conflict of Interest: The author of this paper has no conflicts of interest, including specific financial interests, relationships, and/or affiliations relevant to the subject matter or materials included.

Reference

1. Sharma S, Malhan P, Pujani M, Pujani M. Auer rod-like inclusions in reactive plasmacytosis seen with acute myeloid leukemia. *J Postgrad Med* 2009;55:197.



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Auer Rods Are Not Seen in Non-Neoplastic Cells

Auer Cismi Neoplastik Olmayan Hücrelerde Görülmez

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To the Editor,

The article entitled “Auer Rod in a Neutrophil in a Nonmalignant Condition”, written by Chandra et al. [1] and published in a recent issue of your journal, was quite interesting. Here we would like to emphasize some relevant points.

This article demonstrates why peripheral smears, bone marrow examination, and genetic tests are mandatory. Acute myeloid leukemia must be excluded. Electron microscopic analyses

would be helpful. The title is overly assertive. It may be called an Auer rod-like image.

It is not known why Auer rods are not seen in non-neoplastic cells. However, there have been some hypotheses on the genesis of Auer rods, including infectious microorganisms, abnormal nucleoplasm segregation, pathologic forms of azurophilic granules, and cytoplasmic pH alteration. Unsuccessful results in Auer body inoculation experiments led to the elimination of the infectious microorganism theory. Although the conditions