Leishman-Donovan (LD) bodies in bone marrow biopsy of an adult male with AIDS

AIDS hastası yetişkin erkeğin kemik iliği biyopsisinde Leishmania Donovan (LD) cisimcığı

Abbas Hashim Abdulsalam¹, Fatin Al-Yassin²
¹Hematology Unit, Lab Department, Al-Yarmouk Teaching Hospital, Baghdad, Iraq
²Department of Hematology, Teaching Laboratories, Medical City, Baghdad, Iraq

We report the case of Leishman-Donovan (LD) bodies in the bone marrow biopsy of an Iraqi adult male with acquired immunodeficiency syndrome (AIDS). The patient was working in a United States military camp in Baghdad, Iraq. He was diagnosed as having human immunodeficiency virus (HIV) infection within only a few days of diagnosis of visceral leishmaniasis (kala-azar). Visceral leishmaniasis is one of the opportunistic infections in AIDS patients.

The interesting point of this case is that the finding of LD bodies in the bone marrow biopsy is rare.

In this case, the bone marrow aspirate was diluted, and this caused us to miss the diagnosis of visceral leishmaniasis. However, when we examined the biopsy slides, the diagnosis was clear. A

---

Figure 1. Bone marrow trephine biopsy, H&E stain X100, paraffin embedded: Patient with AIDS and Visceral leishmaniasis.

Figure 2. Bone marrow trephine biopsy, H&E stain X100, paraffin embedded: Many Leishman-Donovan bodies seen.
retrospective reexamination of the aspirate slides revealed only a few LD bodies.

Acknowledgement
Informed consent was obtained from the patient.

Conflict of Interest
No author of this paper has a conflict of interest, including specific financial interests, relationships, and/or affiliations relevant to the subject matter or materials included in this manuscript.

References