

Necrobiotic Xanthogranuloma as Sign of Monoclonal Gammopathy

Claudio Conforti¹, Iris Zalaudek¹

¹ Dermatology Clinic, Maggiore Hospital, Piazza dell'Ospitale 1, University of Trieste, Trieste, Italy

Citation: Conforti C, Zalaudek I. Necrobiotic Xanthogranuloma as Sign of Monoclonal Gammopathy. *Dermatol Pract Concept.* 2022;12(4):e2022131. DOI: <https://doi.org/10.5826/dpc.1204a131>

Accepted: January 9, 2022; **Published:** October 2022

Copyright: ©2022 Conforti et al. This is an open-access article distributed under the terms of the Creative Commons Attribution-NonCommercial License (BY-NC-4.0), <https://creativecommons.org/licenses/by-nc/4.0/>, which permits unrestricted noncommercial use, distribution, and reproduction in any medium, provided the original authors and source are credited.

Funding: None.

Competing interests: None.

Authorship: All authors have contributed significantly to this publication.

Corresponding author: Claudio Conforti, MD, Dermatology Clinic, Hospital Maggiore, Trieste, Italy. Phone number: +39 3335441549, E-mail address: claudioconforti@yahoo.com

Case presentation

A 52-year-old woman referred to our skin cancer unit for the presence of yellow periorbital plaques that enlarged over the past decade. Based on the clinical and dermoscopic presentations (Figure 1), a clinical diagnosis of necrobiotic

xanthogranuloma (NX) was suspected. A full laboratory workup was performed including skin and bone marrow biopsy, CT scan of the orbital region and urine examination. Tests revealed an IgG paraproteinemia without bone involvement and, based on skin biopsy, the diagnosis of NX BRAF wild type was confirmed.



Figure 1. (A) Clinical appearance of necrobiotic xanthogranuloma showing eyelid and periorbital yellow plaques. (B) Dermoscopic features of XN showing yellow structureless areas that correspond to the presence of histiocytes in the dermis. (C) H&E histological detail showing foamy histiocytes in the dermis.

Teaching Point

Necrobiotic xanthogranuloma is a rare manifestation of non-Langerhans histiocytosis and it is often associated with monoclonal gammopathy.

References

1. Spicknall KE, Mehregan DA. Necrobiotic xanthogranuloma. *Int J Dermatol*. 2009;48(1):1-10. DOI: 10.1111/j.1365-4632.2009.03912.x. PMID: 19126043