

## Extensive tophaceous gout

A man in his 40s presented with multiple nodules around joints along with episodes of painful joint swelling for one year. Cutaneous examination revealed multiple yellowish-white, non-tender, mobile, firm to hard subcutaneous nodules on hands [Figure 1a], feet [Figure 1b], elbows [Figure 1c], and knees with joint deformity.



**Figure 1:** Tophaceous gouty nodules involving (a) both hands with joint deformity, (b) Both feet with joint deformity and, (c) Elbow joints. (d) Polarised microscopy from chalky white discharge showing negatively birefringent needle-shaped crystals (Giemsa stain, 40x).

His serum uric acid (13.1 mg/dl) and serum creatinine (1.8 mg/dl) was found to be raised and polarised microscopy from subcutaneous nodules revealed negative birefringent crystals [Figure 1d], leading to the diagnosis of tophaceous gout. He was started on renal adjusted dose of allopurinol (50 mg once daily). However, the response to treatment couldn't be evaluated, as one month later, the patient succumbed due to sepsis-associated chronic kidney disease.

Extensive tophaceous gout is an uncommon entity and needs to be differentiated from calcinosis cutis, rheumatoid nodules, multicentric reticulohistiocytosis, and tuberotendinous xanthomas.

**Declaration of patient consent:** The authors certify that they have obtained all appropriate patient consent.

**Financial support and sponsorship:** Nil.

**Conflicts of interest:** There are no conflicts of interest.

**Use of artificial intelligence (AI)-assisted technology for manuscript preparation:** The authors confirm that there was no use of AI-assisted technology for assisting in the writing or editing of the manuscript and no images were manipulated using AI.

*Deepti Singh<sup>1</sup>, Rashmi P Joshi<sup>2</sup>, Sheetanshu Kumar<sup>1</sup>*

Departments of <sup>1</sup>Dermatology and <sup>2</sup>Pathology, JIPMER, Puducherry, India.

**Corresponding author:**

Dr. Sheetanshu Kumar,

Department of Dermatology, JIPMER, Puducherry, India.

kumar.sheetanshu@gmail.com

**How to cite this article:** Singh D, Joshi RP, Kumar S. Extensive tophaceous gout. Indian J Dermatol Venereol Leprol. doi: 10.25259/IJDVL\_1336\_2024

**Received:** September, 2024 **Accepted:** November, 2024 **Epub Ahead of Print:** January, 2025

**DOI:** 10.25259/IJDVL\_1336\_2024

This is an open-access article distributed under the terms of the Creative Commons Attribution-Non Commercial-Share Alike 4.0 License, which allows others to remix, transform, and build upon the work non-commercially, as long as the author is credited and the new creations are licensed under the identical terms.