

Sweet's Syndrome Associated with *Mycobacterium chelonae* and Herpes Simplex Virus Infections: A Case Report

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Abstract

Introduction: We report a case of Sweet's syndrome associated with *Mycobacterium chelonae* and herpes simplex virus infection. **Clinical Picture:** A 56-year-old Chinese woman presented with a granulomatous subglottic mass and right lung nodules, which responded to a 9-month course of anti-tuberculous treatment. Subsequently, she developed genital herpes simplex virus infection, which was followed by a cutaneous eruption with vesicular plaques associated with fever, bilateral cervical lymph nodes and neutrophilia. *Mycobacterium chelonae* was isolated from lymph node cultures. The cutaneous presentation of Sweet's syndrome was confirmed on skin biopsy. There was no evidence of underlying immunosuppression, malignancy or connective tissue disease. **Treatment:** She was treated with rifampicin, clarithromycin and oral prednisolone. **Outcome:** There was complete resolution of her cutaneous lesions and cervical lymphadenopathy. **Conclusion:** The association between Sweet's syndrome and *Mycobacterium chelonae* as well as herpes simplex virus, though rare, should be considered in all patients presenting with Sweet's syndrome.

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