

Documents

Atikah, R., Kahairi, A., Asha'ari, Z.A.

Disseminated Cutaneous Mycobacterium Fortuitum-Chelonae Complex Infection in a Young, Immunocompetent Patient: A Case Report

(2021) *IJUM Medical Journal Malaysia*, 20 (3), pp. 139-142. Cited 1 time.

DOI: 10.31436/imjm.v20i3.985

Department of Otorhinolaryngology, Head and Neck Surgery (ORL-HNS), Sultan Ahmad Shah Medical Centre (SASMEC) @IIUM, Malaysia

Abstract

Mycobacteria fortuitum and chelonae are a group of Rapidly Growing Mycobacteria (RGM) that can cause skin infections, most commonly in immunocompromised patients. RGM can also infect immunocompetent patients, but the disease is usually localized. Immunocompetent patients infected by RGM usually had a predisposing condition leading to the skin infection. We present a case of an immunocompetent patient with no predisposing factors, who presented with a chronic lesion on his neck that disseminated to his axilla. Culture and species identification from the skin biopsy revealed Mycobacterium fortuitum-chelonae complex. The patient was treated with a combination of surgery and multi-drug therapy. This case report highlights the rarity of cutaneous RGM infections encountered in ENT setting and the diagnostic dilemma due to the non-typical characteristics of skin lesion in RGM infections. © 2021. All Rights Reserved.

Author Keywords

chronic skin infection; immunocompetent; mycobacterium chelonae; mycobacterium fortuitum; Rapidly growing mycobacterium

References

- Tsai, S, Chen, L, Liao, H, Chiang, C, Lin, W.
Case Report: Complicated skin and soft tissue infection with Mycobacterium fortuitum following excision of a sebaceous cyst in Taiwan
(2016) *J Infect Dev Ctries*, 10 (12), pp. 1357-1361.
1
- Dousa, KM, Babiker, A, Van, D, Shah, N.
Ibrutinib therapy and Mycobacterium chelonae skin and soft tissue infection
(2018) *OFID*, 10 (1093), pp. 1-3.
2
- Smith, BD, Liras, IN, Cicco, IA De, Aisenberg, GM.
Mycobacterium fortuitum infection of the scalp after a skin graft
(2016) *BMJ*,
3
- Maurer, FP, Castelberg, C, Braun Von, A, Wolfensberger, A, Bloemberg, G V., Böttger, EC
Postsurgical wound infections due to rapidly growing mycobacteria in Swiss medical tourists following cosmetic surgery in Latin America between 2012 and 2014
(2014) *Eurosurveillance*, 19 (37), pp. 1-4.
4
- Filho, GH, Takita, LC.
Disseminated cutaneous atypical mycobacteriosis by M. chelonae after sclerotherapy of varicose veins in an immunocompetent patient: A case report
(2015) *An Bras Dermatol*, 3 (90), pp. 138-142.
5
- Uslu, U, Böhm, O, Heppt, F, Sticherling, M.
Skin and soft tissue infections caused by Mycobacterium chelonae

(2019) *Acta Derm Venereol*, 99, pp. 889-893.

6

- Zhang, L, Liu, W, Jiang, H, Zhong, W, Zhang, G, Jin, P WH.
Cutaneous Infections Caused by Rapidly Growing Mycobacteria: Case Reports and Review of Clinical and Laboratory Aspects
(2015) *Acta Derm Venereol*, 95, pp. 985-989.

7

- Ana, MP, Leonor, G.
Mycobacterium chelonae Is an Ubiquitous Atypical Mycobacterium
(2015) *Case Rep Dermatol*, 7, pp. 207-211.

8

- Dubow, A, Morand, M, Désy, D, Krasny, M.
Recurrence of cutaneous Mycobacterium chelonae infection: A case report
(2019) *JCMS Case Reports*, 7, pp. 1-3.

9

- Jayasingam, SD, Zin, T, Ngeow, YF.
Antibiotic Resistance in Mycobacterium Abscessus and Mycobacterium Fortuitum Isolates from Malaysian Patients
(2017) *Int J Mycobacteriology*, 6 (4), pp. 387-390.

10

Correspondence Address

Amin Z.; ORL-HNS Department Level 5, Bandar Indera Mahkota Campus, Jalan Sultan Ahmad Shah, Malaysia; email: zamzilamin@iium.edu.my

Publisher: International Islamic University Malaysia

ISSN: 27352285

Language of Original Document: English

Abbreviated Source Title: IIUM Med. J. Malaysia.

2-s2.0-85111353145

Document Type: Article

Publication Stage: Final

Source: Scopus

ELSEVIER

Copyright © 2024 Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

 RELX Group™