

TENOSYNOVITIS OF THE HAND DUE TO *MYCOBACTERIUM MARINUM*: A CASE REPORT AND LITERATURE REVIEW

Zhi Xie ¹, Minmin Jiang ¹, Xingchun Chen ², Guanjing Wei ¹, Nannan Pan ¹ and Lili Li ¹

¹Department of Dermatology, ²Department of Clinical Laboratory, People's Hospital of Guangxi Zhuang Autonomous Region, Nanning, Guangxi, China

Abstract. *Mycobacterium marinum* is an environmental opportunistic mycobacterium that usually causes superficial skin infections or invasive infections caused by having an open wound exposed to contaminated water. We report here the case of a 50-year-old female who developed tenosynovitis of the hand caused by *M. marinum*. She presented to the hospital with a 4-month history of right hand swelling and the other previous 2 weeks she developed purulent lesions of the same hand. She was treated with incision and drainage. A routine culture grew out acid-fast bacilli and polymerase chain reaction testing revealed *M. marinum*. She was given rifampin and clarithromycin for 8 months. The hand healed well without residuals. This case demonstrates that *M. marinum* can present as tenosynovitis. We also reviewed the literature.

Keywords: mycobacterium infections, *Mycobacterium marinum*, granulomatous inflammation, case report

Correspondence: Zhi Xie, Department of Dermatology, People's Hospital of Guangxi Zhuang Autonomous Region, Nanning, Guangxi 530021, China.
Tel: +86 0771 5722431
E-mail: kaset_s0@yeah.net