



INFECTIOUS DISEASES (BACTERIAL, FUNGAL, VIRAL, PARASITIC, INFESTATIONS)

AN EMERGING TUBERCULOSIS VERRUCOSA CUTIS CASES FROM INDONESIA: A SERIAL CASE

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Background: Tuberculosis verrucosa cutis (TVC) is a paucibacillary form of cutaneous tuberculosis caused by exogenous infection of *Mycobacterium tuberculosis* in previously sensitized individuals. TVC is one of the rare cases of cutaneous tuberculosis. It usually occurs on the upper extremities in adults and on the lower extremities in children. Clinical manifestation of TVC usually starts as a small, asymptomatic, indurated warty papule that slowly extending in a serpiginous manner producing a verrucous plaque. Some areas show focal involution leaving an atrophic pale scar. The objective of this report was to report the emerging cases of TVC.

Observation: We report three cases of TVC that diagnosed based on the history and evolution of the disease, along with the classical clinical morphology and histopathological characteristics. Dermatological examination revealed erythematous verrucose plaques on all cases. The hands were involved in two cases and arm area was involved in one case. Ziehl-Neelsen stains did not demonstrate any acid-fast bacilli (AFB) in two cases, while in other case showed the AFB. The histopathological examination results showed granulomatous inflammation pattern without necrosis that supported the diagnosis of TVC. All of the three patients treated with anti-tuberculous drugs and the skin lesions resolved.

Key message: TVC is still a very important health problem in underdeveloped or developing countries like Indonesia. As an emerging case of cutaneous tuberculosis, TVC must be one of the differentials in suspicious cases and should be appropriately treated with anti-tuberculosis treatment.

