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COVID-19 and Mycobacterium Tuberculosis Coinfection: A Case Report

COVID-19 et Mycobacterium Tuberculosis Coinfection : Un rapport de cas

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ABSTRACT

COVID-19 is a global pandemic, with attendant high morbidity and mortality. There is no previous documentation of its coinfection with Mycobacterium tuberculosis; the single most common cause of death from an infectious disease. Management and survival from this “cruel duel” in a low resource country will be daunting. We report the case of a middle-aged man who survived and the lessons learned from a COVID-19 treatment centre in the north-central of Nigeria. The patient presented with symptoms and clinical features of COVID-19 and Mycobacterium tuberculosis was confirmed with laboratory investigation. The patient commenced anti-tuberculous medications, received nutritional support and other supportive treatment for COVID-19 infection. He was discharged home to continue follow up at the medical outpatient and the DOTS clinic. Early recognition and prompt treatment are critical for a favourable clinical outcome. *WAJM 2021; 38(2): 176–179.*

Keywords: COVID-19, Mycobacterium, Co-infection.

RÉSUMÉ

COVID-19 est une pandémie mondiale, avec une morbidité et une mortalité élevées. Sa co-infection avec Mycobacterium tuberculosis, la cause la plus fréquente de décès dus à une maladie infectieuse, n'a jamais été documentée auparavant. La gestion et la survie de ce “duel cruel” dans un pays aux ressources limitées seront décourageantes. Nous rapportons le cas d'un homme d'âge moyen qui a survécu et les leçons tirées d'un centre de traitement COVID-19 dans le centre-nord du Nigeria. Le patient présentait les symptômes et les caractéristiques cliniques de COVID-19 et la présence de Mycobacterium tuberculosis a été confirmée par des examens de laboratoire. Le patient a commencé à prendre des médicaments antituberculeux, a reçu un soutien nutritionnel et d'autres traitements de soutien pour l'infection par COVID-19. Il a été renvoyé chez lui pour poursuivre le suivi à la clinique médicale externe et à la clinique DOTS. Une identification précoce et un traitement rapide sont essentiels pour un résultat clinique favorable. *WAJM 2021; 38(2): 176–179.*

Mots-clés: COVID-19, Mycobacterium, Co-infection.

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Abbreviations: TB, Tuberculosis.