

Paradoxical Reactions Associated with Muscle Abscess

Paradoksik Reaksiyonu ile İlişkili Kas Apsesi

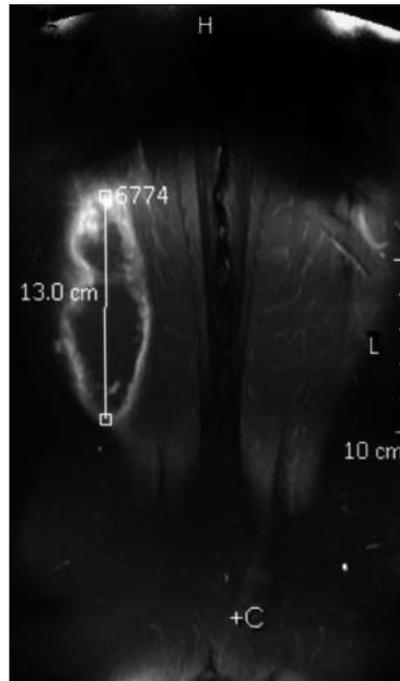


Figure 1. An abscess measuring 13 x 9 cm in diameter in the right thoracolumbar intra/intermuscular region.

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A 28-year-old female was admitted with prolonged fever and abdominal distension for two months. On laparotomy, numerous lesions were seen on the peritoneal and serosal surfaces of the gut, and biopsies revealed caseating granulomatous inflammation. The patient was diagnosed as peritoneal tuberculosis, and anti-tuberculosis treatment with four drugs was initiated.

A fluctuating mass on the right thoracolumbar region developed in the 9th week of the treatment. An abscess measuring 13 x 9 cm in diameter in the right thoracolumbar intra/intermuscular region was seen on magnetic resonance imaging (MRI), and we obtained samples from the abscess (Figure 1). The culture and histopathological examination were non-diagnostic. The lesion was considered as paradoxical reaction, and steroid was added to the anti-tuberculosis continuation treatment. At the end

of the 4th week, the lesion had completely disappeared; no complication was observed during anti-tuberculosis treatment.

Paradoxical reaction in tuberculosis treatment is defined as worsening of existing disease or appearance of new tuberculosis lesions^[1]. Differential diagnoses include secondary infection, drug resistance, inadequate treatment, and side effect of drugs^[2]. Muscle involvement of paradoxical reaction is rare and should be kept in mind during anti-tuberculosis treatment.

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REFERENCES

1. Smith H. Paradoxical responses during the chemotherapy of tuberculosis. *J Infect* 1987;15:1-3.
2. Cheng VC, Ho PL, Lee RA, Chan KS, Chan KK, Woo PC, et al. Clinical spectrum of paradoxical deterioration during antituberculosis therapy in non-HIV-infected patients. *Eur J Clin Microbiol Infect Dis* 2002;21:803-9.