Pharmacokinetics of moxifloxacin in cerebrospinal fluid and plasma in patients with tuberculous meningitis.


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Moxifloxacin cerebrospinal fluid (CSF) penetration was evaluated by obtaining full plasma and CSF time concentration curves for 4 patients with tuberculous meningitis. The geometric mean ratio of the areas under the curve for CSF to plasma were 0.82 (range, 0.70-0.94) at 400 mg once per day and 0.71 (0.58-0.84) at 800 mg once per day.

Monitoring of moxifloxacin concentration levels may be warranted in patients who are concurrently taking an interacting medication or for whom there is a high in vitro MIC. These data suggest that moxifloxacin is an important addition in the treatment of tuberculous meningitis.

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