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Mycoplasma hominis meningitis in a neonate: Case report and review.

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Despite frequent colonization with *Mycoplasma hominis*, the invasive disease is rare in neonates. This study describes a neonatal case with meningitis in which *M. hominis* was isolated from a cerebrospinal fluid sample by culture and detected by PCR. The *M. hominis* infection was confirmed by elevated metabolic inhibition titers against the isolated *M. hominis* strain and anti-*M. hominis* antibodies in serum samples. Minocycline and moxifloxacin were effective against *M. hominis*, which caused meningitis in the patient. However, the patient exhibited left hemiplegia because of massive brain infarction. Based on data of the previously reported 28 cases in addition to our case, the high morbidity and mortality of the *M. hominis* central nervous system infection were confirmed; it was assumed to result from delayed diagnosis and ineffective initial therapy. Early diagnosis and prompt initiation of appropriate antimicrobial treatment are necessary for a favorable prognosis. Fourth-generation fluoroquinolones, especially moxifloxacin, deserve wider use in such cases.

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