

# Two Cases of Severe Neonatal Infection Caused by *Streptococcus gallolyticus* subsp. *pasteurianus*

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## Abstract

We report two cases of severe neonatal infection caused by *Streptococcus gallolyticus* subsp. *pasteurianus*. In both cases, the causative organism was isolated and identified from arterial blood and cerebrospinal fluid culture. Case 1 was a girl who was born at a gestational age of 37 weeks and 1 day with a birth weight of 2,356 g. She had a persistent fever on postnatal day 5, was diagnosed with bacterial meningitis at postnatal day 6, and antibiotics were initiated. She improved clinically, but an electroencephalogram revealed an abnormality before discharge. Case 2 was a girl who was born at a gestational age of 37 weeks and 2 days with a birth weight of 2,092 g. She experienced fever and gasping respiration on postnatal day 13, and her general condition rapidly worsened. She did not respond to intensive care and died about 15 hours after onset of symptoms. There are still few reports of pediatric infection caused by *Streptococcus gallolyticus* subsp. *pasteurianus*. However, it is necessary to keep it in mind as a potentially fatal cause of infection in neonates and infants.

**Key words:** Neonatal sepsis, Fetomaternal infection, Group B *Streptococcus*, *Streptococcus bovis*