

Group B streptococcal infection

Group B streptococcal [infection](#), also known as Group B streptococcal disease or just Group B strep, is the infection caused by the bacterium [Streptococcus agalactiae](#) (*S. agalactiae*) (also known as group B streptococcus or GBS).

GBS infection can cause serious illness and sometimes [death](#), especially in [newborns](#), the elderly, and people with compromised [immune systems](#).

A 12-day-old [female](#), who underwent [prenatal Myelomeningocele repair](#) via a two-layer closure ([dural replacement](#) patch, primary [skin closure](#)), was born at 34 weeks' gestation. Her [Group B streptococcal infection](#) positive mother received appropriate antepartum prophylactic [antibiotics](#). She remained stable until day 11 of life when she underwent rapid clinical [deterioration](#). Despite aggressive [intervention](#), she expired on day 12. Review of placental pathology showed maternal and fetal [inflammatory response](#). [Autopsy](#) revealed Gram-positive cocci and inflammation within the basilar leptomeninges and lumbosacral region. Neural and dermal elements were present within the MMC repair. This case documents integration of the dermal matrix patch to neural elements, adhering the [spinal cord](#) to [scar tissue](#), the clinical implications of which remain unclear ¹⁾.

¹⁾

Edminster S, Wu TW, Van Speybroeck A, Chu J, Lapa DA, Chmait RH, Szymanski LJ. [Neuropathology Evaluation](#) of in Utero Correction of [Myelomeningocele](#) and Complications of Late-Onset GBS Infection. Fetal Pediatr Pathol. 2022 Dec 7:1-10. doi: 10.1080/15513815.2022.2150528. Epub ahead of print. PMID: 36475417.

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Last update: **2024/06/07 02:55**

