

Retrospective Study about the Short-term Prognoses of Very Low Birth Weight Infants in Our NICU

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Abstract

We examined the short-term prognoses of 269 very low birth weight infants in our NICU between 2010 and 2014. The mortality rate in our NICU was 5.2%, which was roughly equal to the national average (6.2%). Among the major neonatal diseases, respiratory distress syndrome occurred more frequently at our institution compared to the national average, and the difference was significant. Intraventricular hemorrhage occurred less frequently compared to the national average, and the difference was significant. Tracheal intubations and treatments for retinopathy of prematurity occurred more frequently in our NICU compared to the national averages for the same conditions, and the differences were significant. The overall short-term prognosis of very low birth weight infants in our NICU was equal to the rates published in the common national database. In contrast, our data were inferior to the national average with respect to complication rates and treatment about the contents. It is ultimately necessary to improve these outcomes. Therefore, we plan to perform additional studies on the long-term prognoses of very low birth weight infants in our NICU so that we may continue to monitor our progress.

Key words: Very low birth weight infant, Antenatal corticosteroid therapy, Indomethacin prophylaxis, Fresh frozen plasma