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Retrospective Cohort Study

Language and cognitive outcome for high-risk neonates at the age of 2-3 years - experience from an Arab Country

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Abstract

AIM

To investigate the effect of different neonatal risk factors on different language parameters as well as cognitive abilities among Arabic speaking Egyptian children at the age of two to three years of life and to find out which risk factor (s) had the greatest impact on language and cognitive abilities.

METHODS

This retrospective cohort study was conducted on 103 children with age range of 2-3 years (median age 31 months). They were 62 males and 41 females who were exposed to different high-risk factors in the perinatal period, with exclusion of metabolic disorders, sepsis/meningitis, congenital anomalies and chromosomal aberrations. The studied children were subjected to a protocol of language assessment that included history taking, clinical and neurological examination, audiological evaluation, assessment of language using modified preschool language

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