Follow up of high risk group neonates in different regions of Ukraine

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There are more than 92 thousand orphanages in Ukraine. The third of them are with severe disabilities due to perinatal pathology.

Objective of study was a estimation of follow up high risk group neonates revision of development from birth to 24 month of neonates high risk group and planning of development monitoring.

Methods. Analysis of medical state’s reports from different parts of Ukraine about follow up of high group risk of neonates.

Results. Eastern part of Ukraine (Kharkiv):172 preterm infants 24-37 weeks. Primary visit to follow up at ~ 10,5 mo; 80/172 has disability, and 22 - risk of disability. The Alberta Infant Motor Scale have been used and early intervention program also. (Dnipropetrovsk): supervision of 3235 infants with CNS pathology (2343), surgical pathology (491), congenital anomalies (401). Therapeutic hypothermia to 12 mo: favorable effects- 48.1%; adverse effects - 51.8% and normothermia - favorable effects - 32.0%: adverse effects - 68.0%

Central part of Ukraine. (Kiev): follow up of 981 infants about 3 years. There are 2 ROP, 3 - with sensoneural hearing loss, 18 – BPD, 700. 29 (2.9%) children died before the age of 12 months. Developmental tests: 559 (56.9%) – healthy and 304 (30.98%) - mild, moderate and severe disability.

Western part of Ukraine (Ternopil) - 266 children with very low and extremely low birth weight, 64/266 were died, 87/266 – severe disabilities.

Conclusion. There is absent of uniform protocol of follow up of high risk group of neonates in different region of Ukraine and screening scales and tests for development assessment, undeveloped of early intervention network.