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PREVALENCE OF CEREBRAL PALSY (CP) IN CHILDREN BETWEEN 2014 AND 2016 IN SUMY REGION OF UKRAINE

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Relevance of the article. CP in children is a group of permanent non-progressive motor disabilities with orthopedic, psychiatric and speaking problems. It is a manifestation of abnormal brain development or damage to the central nervous system. This condition is usually diagnosed at the age of 1 to 3 in case of permanent movement dysfunction. CP has a huge financial impact on the child's family and health system.

Objective. Prevalence of CP in Sumy region of Ukraine.

Materials and methods. It affects approximately 1.5 to 4 live births out of every thousand or in a particular age group in the world. In 2014, the diseases of nervous system among children at the age of 0-17 were registered in 11386 children or 64.5 cases per 1,000 children in Sumy region of Ukraine. CP belongs to this category of disease. Its registered prevalence was 376 children or 2.13‰. 403 children or 2.3 cases per 1,000 children were found by survey to live with this condition in 2015. No changes were registered in 2016. No considerable variations in prevalence of the condition were found at the age of 0 to 6. 101 children or 1.38‰ were registered to live with CP in 2014. The amount increased slightly to 108 or 1.48 cases per 1,000 children in 2015 and decreased to 99 or 1.37‰ in 2016. The prevalence of CP for children aged between 7 and 14 occurred at a rate of 199 or 2.76‰ in 2014. The survey observed 220 children or 3.03‰ in 2015 and 224 cases or 3.03‰ in 2016. 275 children or 2.66‰ in the 7-17 age range are acknowledged to live with CP in Sumy region in 2014. In the following year the prevalence was 295 children or 2.89‰. The similar tendency with slight decrease to 300 children or 2.94‰ can be observed in 2016.

Results and discussion. Overall, the total rate of CP in Sumy region of Ukraine remains relatively stable for the last 3 years. The prevalence of the disability is lower than average in Ukraine.

Conclusion. The results of studies vary in the world. In general, the increased tendency of CP prevalence can be observed in Ukraine as well as in the whole world over the past several years due to the improvements in Obstetrics and neonatal care.