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КНИГА НА АПСТРАКТИ

**ПРИРАЧНИК ЗА СКРИНИНГ И ДИЈАГНОСТИКА
НА НАРУШУВАЊАТА НА МЕНТАЛНОТО ЗДРАВЈЕ
ВО ПРЕТКОНЦЕПЦИСКИ И ПЕРИНАТАЛЕН ПЕРИОД**



МАКЕДОНСКА
АСОЦИЈАЦИЈА
НА ГИНЕКОЛОЗИ
И ОПСТЕТРИЧАРИ

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HEPATITIS B AND PREGNANCY

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Introduction: Hepatitis B is an infectious disease caused by the Hepadna (DNA) virus. It is transmitted sexually, parenterally (blood, blood products, needles, instruments, shared use of needles and syringes when injecting drugs) and vertically (from an infected mother to her child). Chronic carrier status occurs in 5% of the general population in Southern Europe, and in Northern Europe the rate is 0.01-0.5%. The highest carrier status is in South and East Asia (up to 20%).

Case report: We present a case of a 32-year-old, asymptomatic, HBsAg positive, HBeAg negative primigravid woman, with a negative history of liver diseases. Vertical transmission (from mother to child) occurs in 65-90% of pregnancies when the mother is HBeAg positive and in about 10% of cases when the mother is HBsAg positive and HBeAg negative. In our case, the newborn received the first dose of vaccine and immunoglobulins 200 IU intramuscularly. This reduces vertical transmission by ~90%. Mother delivered spontaneously healthy male newborn. She remained asymptomatic after delivery. Laboratory findings (hepatal enzymes) were within the reference ranges. Breastfeeding was established. It is not prohibited because it does not carry an additional risk of transmitting the infection. Mother was advised for further treatment and monitoring by an infectious disease specialist. In our case vertical transmission to the newborn was prevented.

Conclusion: As a preventive measure, mandatory vaccination is implemented in the Republic of North Macedonia with the first dose administered within the first 24 hours after birth, to all newborns, regardless of the mother's status. The second dose is administered after 1 month, and the third after 6 months. In the cases of Hepatitis B in mother, immunoglobulins and the vaccine are administered in the neonatal ward.

Key words: hepatitis B, pregnant, newborn, vaccine, immunoglobulins