

Incidence of HBsAg, Anti HCV, Anti-HIV, Treponema Pallidum antibodies and CMV antibodies in blood donors from Macedonia

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GOAL

To find the incidence of HBsAg, anti-HCV, anti-HIV, CMV antibodies and Treponema pallidum antibodies in volunteer blood donors in the eastern part of Macedonia.

RESULTS

From 13 200 blood units the presence of HBsAg at 325 (2,46%) is detected and the presence of anti-HCV at 175 (1,3%) is detected. The presence of anti-HIV and Treponema pallidum antibodies is not detected in any of the blood donations.

MATERIAL AND METHODS

In the period 1999-2003 for the presence of HBsAg, anti-HCV, anti-HIV and Treponema pallidum antibodies 13 200 blood donations were tested. In Stip routine testing of donated blood for detection of CMV antibodies is not applied. In the Transfusion department in Stip of Transfusiology in Skopje for detection and confirmation of positive results for HBsAg and anti-HCV in both examined groups ELISA tests from the third generation from the company Ognanon tehnika; for Treponema pallidum antibodies Trepanostika TM-Microelisa system; and for this purpose we used CMV IgG instant test.

CONCLUSION

The incidence of HBsAg in the blood donations is 2,46%; of anti-HCV is 1,3%; anti-HIV and Treponema pallidum antibodies is 0% and anti-CMV is from 4,8%.

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