



MEETING ABSTRACT

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Genotypic variability and risk factors of hepatitis B virus in Western Siberia

Roman Bayandin^{1*}, Galina Kochneva¹, Galina Sivolobova¹, Antonina Grazhdantseva¹, Sergei Netesov^{1,2}

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In the study were included one group of acute hepatitis patients (1043 persons) of Barnaul's city hospital and four groups (500 persons in each group) of Novosibirsk's oblast inhabitants: medical staff, patients drug abuse clinic, AIDS center's patients, clinic patients applied for any disease. The frequency of HBsAg was: 3.6% in group of polyclinic patients, 5.4% of medical workers, 8.4% among drug abuse clinic's patients, 35% of AIDS center's patients and 36.5% of Barnaul's patients. Genotypes distribution was as follows: Novosibirsk oblast - 168 isolates of genotype D, 3 isolates of genotype A and genotype 2 isolates - C. In Barnaul: genotype D - 72 isolates, genotype A - 1. In the groups of Novosibirsk oblast the highest risk to be infected revealed for drug users (OR = 6.75). The risk of seropositivity was increased among respondents who had more than 4 sexual partners during lifetime (OR = 2.23); who had sex with HBV patients (OR = 2.12); who spent at least one night at prison (OR=2.58). Risk factors also found for men (OR=1.85) and young people (OR=1.79) as those who are more inclined to risky behavior. The biggest risk factors in Barnaul were found among men who have sex with men (OR=8.79), person with >2 sexual partners in last 6 month especially in women (OR=5.15), those who >30 years (OR=4.51). High risk had person who had contacts with blood (OR=4.05). In Novosibirsk and Barnaul different medical operations such as surgery, blood transfusion, overall anesthesia weren't show itself as risk factors.

Author details

¹State Research Center of Virology and Biotechnology "Vector", Koltsovo, Novosibirsk oblast, 630559, Russia. ²Novosibirsk State University, Novosibirsk, 630090, Russia.

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* Correspondence: romb@ngs.ru

¹State Research Center of Virology and Biotechnology "Vector", Koltsovo, Novosibirsk oblast, 630559, Russia

Full list of author information is available at the end of the article

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