

THE POSSIBILITY OF INFECTION WITH HBV OF THE MEDICAL STAFF

Stela Cardaniuc, C.Andriușă, R.Cojocar

State University of Medicine and Pharmacy,
Kishinev (Republic of Moldavia)

The problem of the morbidity due to viral hepatitis still remains grave in the Republic of Moldavia, it can be explained by the high prevalence of AgHBs carriers and of the general infectivity with HBV. The aim of our research was to reveal the infectivity with HBV of the medical staff in the hyperendemic zone. We questioned and tested serologically 370 persons from infectious, internal medicine and surgical departments of Kishinev hospitals. The screening of HBV markers was fulfilled in ELISA method II generation, the positive samples were confirmed second time.

The results of the study are:

	N persons	HBsAg	antiHBc	antiHBs	antiHBs+antiHBc	Total
		+ / %	+ / %	+ / %	+ / %	+ / %
Physicians	73	6/8,2	6/8,2	12/16,4	14/19,1	38/52,0
Nurses	178	16/9,0	23/12,9	28/15,7	44/24,7	111/62,9
Junior nurses	119	12/10,1	20/16,8	20/16,8	34/28,5	86/72,3
Total	370	34/9,2	49/13,2	60/16,2	92/24,9	235/63,5

We certify a high level of HBsAg carrier (total 9,2%), that straightly correlate with the professional accessories and inversely proportional with their age (from 17,6% at < 20 years to 6,7% in the group > 50 years), and with the length of service (from 16,6% at < 1 year to 3,4% at > 20 years). For anti-HBcor and anti-HBs is characterize a straight correlation with all above mentioned criterion, the maxim registered level are respective 45,4% and 45,3%. The level of general HBV infectivity subordinate to the same law, with the variation between 52,0-72,3%. We want to note, that only 41,2% of HBsAg carriers have had clinic manifested viral hepatitis in the history. The obtained results confirmed a high level of HBV-infectivity of the health care workers. this argue the need of the HBV-screening of medical staff at the begining of their work activity, the holding of the corresponding prophylactic measures concerning HBsAg carriers and the necessity of a program of vaccination against HBV hepatitis of all persons negativ for the serologic markers of this infection.