

ASSOCIATION OF ANTI - HBc SEROPOSITIVITY WITH UNDETECTABLE OR LOW LEVEL ANTI - HBs (< 100) IN ANTI - HCV POSITIVE BLOOD DONORS POPULATION.

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OBJECTIVE

In this data we observed the association between confirmed Anti - HCV positive and Anti-HBc positive with low level (<100) or undetectable Anti-HBs.

MATERIALS AND METHODS

Between May 1995 to December 2001 we collected and analysed 24989 samples from volunteer blood donors. In this samples we performed the following tests Anti-HCV(Ortho), confirmed for PCR(Roche) or RIBA(Innogenetics), Anti-HBc(Dade-Behring /Abbott), Anti-HBs(Abbott) and HCV genotype(Innogenetics)

RESULTS

We found between the Anti-HCV neg. population 6,94% positives Anti-HBc and 25,65% of them was Anti-HBs low level or undetectable.

In the same population we found 0,148% of confirmed Anti-HCV reactive donors, among them we found 51,35% of Anti-HBc positivity, and between the last ones 78,9% had low level or undetectable Anti-HBs.

HCV+ (EIA), confirmed by RIBA and/or PCR	Donors Anti-HCV+ and Anti-HBc+	Donors Anti-HCV+ and Anti-HBc+, with Anti-HBs level > 100	Donors Anti-HCV+ and Anti-HBc+, with low or undetectable Anti-HBs	HCV genotypes more frequently found in donors with low level Anti-HBs
37	19	4	15	1b (3) 1a (2) 3a (2) 1a/1b (1)

The ALT average level in the Anti-HCV positive donors was:

Anti-HBc negative donors	Anti-HBc positives with high level of Anti-HBs	Anti-HBc positives with low or undetectable level of Anti-HBs
140,28	50,48	64,11

CONCLUSION

Statistically relevant is the fact that the confirmed Anti-HCV donors, associated to the Anti - HBc positives with low level or undetectable Anti- HBs (78,9%) in comparing with the Anti - HCV negative donors, positives for Anti-HBc with low level or undetectable Anti-HBs (25,65%).