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Genetic Variation at the Apo B 3' VNTR in Czech General Population and in Czech Diabetes Mellitus Type II Patient Group

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ABSTRACT A sample of 200 unrelated individuals from the Prague area representing the Czech general population was studied for the Apo B 3'VNTR (variable number of tandem repeats) polymorphism. Polymorphisms at the Apo B loci are associated with various manifestations of diseases such as dyslipidemias, dyslipoproteinemias, Diabetes Mellitus Type II (DM II). The influence of the Apo B 3' VNTR alleles polymorphism on plasma lipid levels (cholesterol, HDL – cholesterol, triglycerides) was studied in a sample of 142 unrelated DM II patients. The allele distribution in Czech general population was in Hardy – Weinberg equilibrium, in contrast to the Czech DM II patient group. No apparent association between the Apo B 3' VNTR genotype and plasma lipid levels (cholesterol, HDL – cholesterol, triglycerides) was observed.