















## Which Nutritional/Life Style Factors Can Contribute to CVD Risk Reduction? – Study design

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- Aim: PhD study to identify changes in risk factors of coronary vascular disease (CVD) due life style factors and consumption of nutrients
- Type of study: cross-sectional prospective study
- **Study participants:** 269 apparently healthy men, working, without diabetes or treatment of high blood pressure
- **Main Outcomes:** Distribution of cholesterol(-esters), apolipoproteins, and phospholipids in lipoprotein-subfractions (lipoproteome).















## Significant Coefficients of General Linear Models for Cholesterol, TG, PL, ApoB, ApoA1/2 in LDL, LDL1, LDL3, LDL5, and HDL

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										tCh	TG	PL	ApoB
$c(BP) = a0 + a1*(Age) + a2*(BMI) + a3*(VitB6_Int) + a4*(Fold_Int) + a5*(Alc_Int) + a5*(Cach_Int) + a5*(Cach_$									Age	0.145	0.210	0.165	0.155
									BMI	-0.200		-0.168	-0.155
a7*(ActEnExp) BR blood parameter: cholecterol_triglycerides								VitB6_Int	-0.213		-0.212	-0.216	
							LDL1	FolA_Int					
phospholipids, ApoB, Apo A1, ApoA2									Alc_Int				
P<0.05: P<0.01: <b>P&lt;0.001</b>								Carb_Int					
									ActEnExp				
LDL		tCh	TG PL   0.232 0.313   0.211	PL	АроВ 0.323	ApoA1	ApoA2	-	Age	0.143	0.164	0.156	0.162
	Age	0.299		0.313					BMI				
	BMI								VitB6_Int				
	VitB6_Int			-0.162				LDL3	FolA_Int	-0.195		-0.209	-0.184
	FolA_Int					0.440			Alc Int				
	Alc_Int				-0.119		Carb Int						
	A atEnEnn		0.216						ActEnExp				
	ActEllExp		0.137					-	Age	0.291	0.237	0.303	0.285
	BMI	-0.325	0.107	-0 235		-0.316			BMI	0 166	0.266	0 172	0.203
	VitB6 Int								VitR6 Int				
	FolA Int							LDI 5	FolA Int				
	Alc Int	0.272	0.203	0.369		0.339	0.413	LDLJ	I OIA_INC				
	Carb Int		0.245	-0.182		-0.186			Alc_Int				
	ActEnExp	0 245		0 255		0.238			Carb_Int				
	. acumzy	0.240				0.200		-	ActEnExp	-0.243	-0.256	-0.225	-0.258





















