

Table S2 - Association of leukocyte subsets with nerve conduction velocity (NCV) sum scores and NCV from individual nerves

Leukocyte	NCV variable	Model 1			Model 2			Model 3		
		β	95% CI	P	β	95% CI	P	β	95% CI	P
Monocytes	NCV sum score for ≥ 2 velocities	-0.007	(-0.031; 0.017)	0.571	-0.010	(-0.035; 0.014)	0.397	-0.008	(-0.033; 0.016)	0.504
	NCV sum score for 3 velocities	-0.008	(-0.035; 0.018)	0.535	-0.011	(-0.038; 0.016)	0.409	-0.010	(-0.037; 0.016)	0.444
	NCV sum score for motor nerves	-0.015	(-0.042; 0.012)	0.272	-0.021	(-0.048; 0.006)	0.136	-0.018	(-0.046; 0.009)	0.185
	Peroneal NCV (n=815)	-0.062	(-0.204; 0.078)	0.382	-0.087	(-0.228; 0.053)	0.223	-0.065	(-0.206; 0.075)	0.360
	Tibial NCV (n=771)	-0.058	(-0.221; 0.105)	0.486	-0.091	(-0.253; 0.071)	0.273	-0.088	(-0.253; 0.076)	0.291
	Sural NCV (n=608)	0.069	(-0.136; 0.275)	0.506	0.067	(-0.140; 0.274)	0.525	0.076	(-0.133; 0.286)	0.472
Basophils	NCV sum score for ≥ 2 velocities	-0.076	(-0.167; 0.015)	0.101	-0.088	(-0.178; 0.003)	0.057	-0.092	(-0.183; -0.001)	0.047
	NCV sum score for 3 velocities	-0.097	(-0.196; 0.002)	0.055	-0.110	(-0.208; -0.011)	0.030	-0.109	(-0.210; -0.009)	0.032
	NCV sum score for motor nerves	-0.103	(-0.205; -0.002)	0.046	-0.117	(-0.218; -0.017)	0.022	-0.125	(-0.226; -0.024)	0.016
	Peroneal NCV (n=815)	-0.542	(-1.074; -0.009)	0.046	-0.624	(-1.156; -0.093)	0.021	-0.596	(-1.127; -0.066)	0.027
	Tibial NCV (n=771)	-0.549	(-1.156; 0.058)	0.076	-0.636	(-1.240; -0.033)	0.038	-0.712	(-1.321; -0.102)	0.022
	Sural NCV (n=608)	-0.150	(-0.913; 0.613)	0.699	-0.187	(-0.957; 0.581)	0.631	-0.125	(-0.918; 0.667)	0.756
Eosinophils	NCV sum score for ≥ 2 velocities	-0.006	(-0.031; 0.020)	0.664	-0.006	(-0.031; 0.019)	0.656	-0.006	(-0.031; 0.019)	0.617
	NCV sum score for 3 velocities	0.003	(-0.023; 0.030)	0.820	0.003	(-0.024; 0.030)	0.809	0.003	(-0.022; 0.030)	0.770
	NCV sum score for motor nerves	-0.001	(-0.029; 0.027)	0.935	-0.001	(-0.029; 0.026)	0.934	-0.001	(-0.029; 0.026)	0.929
	Peroneal NCV (n=815)	-0.026	(-0.174; 0.120)	0.723	-0.030	(-0.176; 0.116)	0.685	-0.037	(-0.183; 0.107)	0.610
	Tibial NCV (n=771)	-0.001	(-0.169; 0.167)	0.988	-0.001	(-0.168; 0.165)	0.985	-0.005	(-0.173; 0.162)	0.950
	Sural NCV (n=608)	-0.016	(-0.227; 0.193)	0.876	-0.015	(-0.226; 0.194)	0.883	-0.005	(-0.219; 0.207)	0.956
Neutrophils	NCV sum score for ≥ 2 velocities	-0.004	(-0.010; 0.002)	0.213	-0.003	(-0.009; 0.003)	0.317	-0.001	(-0.008; 0.005)	0.659
	NCV sum score for 3 velocities	-0.002	(-0.009; 0.003)	0.425	-0.002	(-0.009; 0.005)	0.549	-0.001	(-0.008; 0.005)	0.702
	NCV sum score for motor nerves	-0.003	(-0.010; 0.004)	0.342	-0.002	(-0.009; 0.004)	0.469	-0.001	(-0.008; 0.006)	0.807
	Peroneal NCV (n=815)	-0.025	(-0.060; 0.010)	0.165	-0.020	(-0.056; 0.014)	0.254	-0.009	(-0.045; 0.027)	0.618
	Tibial NCV (n=771)	-0.012	(-0.053; 0.028)	0.546	-0.004	(-0.045; 0.036)	0.834	0.001	(-0.040; 0.043)	0.944
	Sural NCV (n=608)	-0.029	(-0.079; 0.021)	0.255	-0.027	(-0.078; 0.023)	0.286	-0.026	(-0.079; 0.026)	0.326
Lymphocytes	NCV sum score for ≥ 2 velocities	0.005	(-0.001; 0.012)	0.102	0.005	(-0.002; 0.011)	0.143	0.003	(-0.004; 0.010)	0.406
	NCV sum score for 3 velocities	0.003	(-0.003; 0.010)	0.344	0.003	(-0.004; 0.010)	0.422	0.001	(-0.005; 0.009)	0.590
	NCV sum score for motor nerves	0.005	(-0.002; 0.013)	0.163	0.005	(-0.003; 0.012)	0.201	0.003	(-0.005; 0.010)	0.465
	Peroneal NCV (n=815)	0.035	(-0.003; 0.073)	0.071	0.032	(-0.006; 0.070)	0.098	0.018	(-0.021; 0.057)	0.364

	Tibial NCV (n=771)	0.020	(-0.024; 0.064)	0.374	0.013	(-0.030; 0.057)	0.549	0.007	(-0.038; 0.052)	0.754
	Sural NCV (n=608)	0.029	(-0.025; 0.083)	0.296	0.027	(-0.027; 0.082)	0.330	0.023	(-0.033; 0.080)	0.420
T cells	NCV sum score for ≥ 2 velocities	0.001	(-0.005; 0.007)	0.682	0.002	(-0.004; 0.007)	0.596	0.002	(-0.004; 0.008)	0.519
	NCV sum score for 3 velocities	0.002	(-0.003; 0.008)	0.478	0.003	(-0.003; 0.009)	0.385	0.003	(-0.003; 0.009)	0.298
	NCV sum score for motor nerves	0.002	(-0.004; 0.008)	0.541	0.003	(-0.004; 0.009)	0.415	0.003	(-0.003; 0.010)	0.320
	Peroneal NCV (n=815)	0.013	(-0.019; 0.047)	0.419	0.014	(-0.018; 0.048)	0.386	0.016	(-0.016; 0.050)	0.323
	Tibial NCV (n=771)	0.002	(-0.035; 0.040)	0.895	0.007	(-0.029; 0.045)	0.678	0.012	(-0.025; 0.050)	0.516
	Sural NCV (n=608)	0.006	(-0.040; 0.054)	0.780	0.007	(-0.040; 0.055)	0.756	0.008	(-0.040; 0.057)	0.733
CD4+ T cells	NCV sum score for ≥ 2 velocities	-0.006	(-0.010; -0.001)	0.010	-0.005	(-0.009; -0.0004)	0.033	-0.005	(-0.009; -0.0004)	0.032
	NCV sum score for 3 velocities	-0.005	(-0.010; -0.001)	0.015	-0.006	(-0.010; -0.001)	0.021	-0.005	(-0.010; -0.001)	0.016
	NCV sum score for motor nerves	-0.006	(-0.011; -0.001)	0.012	-0.005	(-0.010; -0.0001)	0.044	-0.005	(-0.010; -0.0005)	0.049
	Peroneal NCV (n=815)	-0.030	(-0.055; -0.005)	0.017	-0.026	(-0.051; -0.0008)	0.042	-0.028	(-0.053; -0.003)	0.025
	Tibial NCV (n=771)	-0.035	(-0.064; -0.006)	0.016	-0.029	(-0.057; -0.0002)	0.048	-0.025	(-0.054; 0.003)	0.085
	Sural NCV (n=608)	-0.029	(-0.066; 0.006)	0.106	-0.028	(-0.065; 0.008)	0.129	-0.030	(-0.068; 0.006)	0.104
CD8+ T cells	NCV sum score for ≥ 2 velocities	0.006	(0.001; 0.010)	0.019	0.005	(-0.0002; 0.009)	0.059	0.005	(-0.0002; 0.009)	0.062
	NCV sum score for 3 velocities	0.006	(0.001; 0.011)	0.018	0.006	(0.001; 0.011)	0.028	0.005	(0.001; 0.011)	0.023
	NCV sum score for motor nerves	0.006	(0.001; 0.011)	0.024	0.005	(-0.001; 0.010)	0.080	0.005	(-0.001; 0.010)	0.092
	Peroneal NCV (n=815)	0.031	(0.003; 0.059)	0.026	0.026	(-0.001; 0.054)	0.061	0.027	(0.0001; 0.055)	0.048
	Tibial NCV (n=771)	0.030	(-0.001; 0.062)	0.058	0.023	(-0.008; 0.055)	0.142	0.020	(-0.011; 0.052)	0.208
	Sural NCV (n=608)	0.034	(-0.006; 0.074)	0.096	0.032	(-0.008; 0.072)	0.120	0.034	(-0.006; 0.075)	0.100
T reg cells	NCV sum score for ≥ 2 velocities	0.005	(-0.022; 0.031)	0.735	-0.001	(-0.027; 0.025)	0.985	0.001	(-0.025; 0.027)	0.942
	NCV sum score for 3 velocities	0.006	(-0.021; 0.034)	0.655	0.002	(-0.026; 0.030)	0.884	0.001	(-0.027; 0.030)	0.912
	NCV sum score for motor nerves	0.005	(-0.025; 0.034)	0.752	-0.003	(-0.032; 0.027)	0.854	0.0002	(-0.029; 0.030)	0.989
	Peroneal NCV (n=815)	-0.085	(-0.239; 0.068)	0.278	-0.106	(-0.260; 0.046)	0.171	-0.087	(-0.240; 0.065)	0.262
	Tibial NCV (n=771)	0.074	(-0.102; 0.250)	0.410	0.032	(-0.142; 0.208)	0.713	0.054	(-0.123; 0.232)	0.549
	Sural NCV (n=608)	0.018	(-0.197; 0.235)	0.863	0.006	(-0.210; 0.223)	0.953	-0.024	(-0.247; 0.198)	0.827
B cells	NCV sum score for ≥ 2 velocities	-0.0005	(-0.010; 0.009)	0.926	-0.001	(-0.011; 0.009)	0.847	-0.002	(-0.012; 0.007)	0.654
	NCV sum score for 3 velocities	-0.009	(-0.021; 0.001)	0.091	-0.011	(-0.023; 0.0004)	0.058	-0.012	(-0.024; -0.001)	0.028
	NCV sum score for motor nerves	-0.004	(-0.014; 0.007)	0.522	-0.004	(-0.015; 0.006)	0.442	-0.005	(-0.016; 0.005)	0.324
	Peroneal NCV (n=815)	-0.018	(-0.075; 0.038)	0.517	-0.019	(-0.076; 0.036)	0.494	-0.026	(-0.082; 0.029)	0.356
	Tibial NCV (n=771)	-0.012	(-0.077; 0.052)	0.716	-0.017	(-0.081; 0.047)	0.596	-0.022	(-0.087; 0.041)	0.486
	Sural NCV (n=608)	-0.011	(-0.101; 0.078)	0.808	-0.013	(-0.103; 0.077)	0.771	-0.030	(-0.122; 0.061)	0.517

Model 1: adjusted for sex and age.

Model 2: adjusted for model 1 + glucose metabolism status.

Model 3: adjusted for model 2 + BMI, HbA1c, total cholesterol, triglycerides, eGFR, hypertension, history of CVD, glucose-lowering drugs, lipid-lowering drugs, nonsteroidal anti-inflammatory drugs, smoking and alcohol consumption.

CI, confidence interval