

**Supple Table 1 White matter tracts investigated as regions-of-interest**

Left/right Anterior thalamic radiation (ATR)

Forceps minor (FM)

Left /right inferior frontooccipital fasciculus (IFOF)

Left /right superior longitudinal fasciculus (SLF)

**Supple Table 2. Spearman correlations of cardiovascular risk factors with FA and MD in seven white matter tracts**

		FA							MD						
		IATR	rATR	FM	IIFO	rIFO	ISLF	rSLF	IATR	rATR	FM	IIFO	rIFO	ISLF	rSLF
Age	r <sub>s</sub>	<b>-0.193</b>	<b>-0.269</b>	<b>-0.348</b>	<b>-0.291</b>	<b>-0.281</b>	<b>-0.159</b>	<b>-0.257</b>	<b>0.242</b>	<b>0.244</b>	<b>0.415</b>	<b>0.248</b>	<b>0.255</b>	<b>0.298</b>	<b>0.337</b>
	p	<b>0.004**</b>	<b>&lt;0.001**</b>	<b>&lt;0.001**</b>	<b>&lt;0.001**</b>	<b>&lt;0.001**</b>	<b>0.017*</b>	<b>&lt;0.001**</b>	<b>&lt;0.001**</b>	<b>&lt;0.001**</b>	<b>&lt;0.001**</b>	<b>&lt;0.001**</b>	<b>&lt;0.001**</b>	<b>&lt;0.001**</b>	<b>&lt;0.001**</b>
BMI	r <sub>s</sub>	<b>0.220</b>	<b>0.155</b>	0.069	0.088	0.105	-0.046	0.021	<b>-0.143</b>	-0.079	-0.065	-0.052	-0.041	0.015	0.001
	p	<b>0.001**</b>	<b>0.020*</b>	0.307	0.188	0.116	0.489	0.749	<b>0.033*</b>	0.238	0.334	0.439	0.546	0.819	0.992
Brinkman Index (n=207)	r <sub>s</sub>	0.065	0.010	0.019	-0.095	-0.091	0.015	0.050	-0.011	0.023	0.017	0.088	0.051	0.051	0.043
	p	0.351	0.890	0.784	0.173	0.194	0.829	0.472	0.877	0.737	0.807	0.206	0.464	0.466	0.539
sBP	r <sub>s</sub>	-0.077	-0.032	-0.076	-0.123	-0.122	<b>-0.161</b>	<b>-0.192</b>	0.036	-0.015	0.057	0.120	0.091	0.119	0.060
	p	0.254	0.637	0.254	0.066	0.068	<b>0.016*</b>	<b>0.004**</b>	0.587	0.823	0.399	0.074	0.177	0.076	0.370
dBP	r <sub>s</sub>	-0.117	-0.004	-0.029	-0.074	-0.048	<b>-0.167</b>	<b>-0.141</b>	0.053	-0.076	-0.012	0.079	0.006	0.096	0.025
	p	0.081	0.948	0.670	0.273	0.475	<b>0.012*</b>	<b>0.036*</b>	0.428	0.258	0.854	0.241	0.923	0.151	0.712
LDL-C (n=223)	r <sub>s</sub>	-0.017	0.023	0.038	0.008	0.046	-0.039	0.013	-0.056	<b>-0.142</b>	-0.066	0.010	-0.086	0.010	-0.093
	p	0.805	0.731	0.575	0.903	0.491	0.557	0.851	0.403	<b>0.034*</b>	0.328	0.879	0.199	0.885	0.166
HDL-C (n=223)	r <sub>s</sub>	-0.068	-0.079	0.008	-0.042	-0.066	-0.066	-0.059	-0.001	-0.015	-0.074	0.032	0.038	0.053	-0.010
	p	0.310	0.242	0.905	0.530	0.323	0.324	0.381	0.990	0.827	0.269	0.639	0.571	0.431	0.884
TG (n=223)	r <sub>s</sub>	<b>0.141</b>	<b>0.187</b>	<b>0.151</b>	<b>0.133</b>	<b>0.161</b>	<b>0.147</b>	0.127	-0.121	<b>-0.150</b>	-0.108	-0.071	<b>-0.145</b>	-0.130	<b>-0.148</b>
	p	<b>0.036*</b>	<b>0.005**</b>	<b>0.024*</b>	<b>0.047*</b>	<b>0.016*</b>	<b>0.028*</b>	0.058	0.071	<b>0.025*</b>	0.109	0.289	<b>0.031*</b>	0.053	<b>0.027*</b>
HbA1c (n=222)	r <sub>s</sub>	0.046	0.031	-0.069	-0.092	-0.060	0.046	0.028	0.011	-0.006	0.005	-0.031	-0.048	-0.015	-0.010
	p	0.499	0.644	0.304	0.174	0.376	0.500	0.681	0.875	0.926	0.940	0.641	0.473	0.819	0.882
GA/HbA1c (n=204)	r <sub>s</sub>	<b>-0.144</b>	<b>-0.223</b>	<b>-0.224</b>	<b>-0.278</b>	<b>-0.267</b>	-0.080	<b>-0.157</b>	<b>0.179</b>	<b>0.219</b>	<b>0.175</b>	<b>0.160</b>	<b>0.185</b>	0.103	<b>0.221</b>
	p	<b>0.040*</b>	<b>0.001**</b>	<b>0.001**</b>	<b>&lt;0.001**</b>	<b>&lt;0.001**</b>	0.253	<b>0.025*</b>	<b>0.011*</b>	<b>0.002**</b>	<b>0.012*</b>	<b>0.023*</b>	<b>0.008**</b>	0.143	<b>0.002**</b>
Physical Activity (n=220)	r <sub>s</sub>	0.049	0.061	0.044	0.055	0.102	0.053	0.070	-0.123	<b>-0.156*</b>	-0.099	-0.045	-0.095	-0.096	-0.074
	p	0.473	0.369	0.518	0.420	0.131	0.432	0.300	0.068	<b>0.020*</b>	0.144	0.509	0.158	0.157	0.276

FA: fractional anisotropy, MD: mean diffusivity, ATR: anterior thalamic radiation, FM; Forceps minor, IFOF: inferior frontooccipital fasciculus, SLF: superior longitudinal fasciculus  
 BMI: body mass index, sBP: systolic blood pressure, dBP: diastolic blood pressure, TG: triglyceride, GA: glycoalbumin, HbA1c: glycohemoglobin, r<sub>s</sub>: Spearman's correlation coefficient  
 \*\*p<0.01, \*p<0.05 Bold values indicate p<0.05.