

Table 1 - Demographic and clinical WHICAP variables comparison between MRI infarct cases and controls.

	Controls (N=487)	Cases (N=202)	p-value
Age, years \pm SD	83.5 \pm 5.7	83.4 \pm 5.7	0.700
Men, n (%)	30 (146)	41.6 (84)	0.004*
Myocardial Infarction, n (%)	9.7 (47)	19.8 (40)	0.001*
Hypertension, n (%)	71.7 (349)	81.2 (164)	0.010*
Diabetes Mellitus, n (%)	22 (107)	28.7 (58)	0.063
Hispanics, n (%)	36.9 (164)	30.5 (58)	0.150
Blacks, n (%)	34.4 (153)	36.3 (69)	0.650

Values are present in n (number) or % (percentage). SD: Standard deviation IS: Ischemic stroke.

Table 2- ALOX5AP SNPs association with MRI infarct in the WHICAP cohort

SNP id	alleles	CEU	YRI	WHICAP cohort		MA,MAF	OR	SE	p-value
		MA,MAF	MA,MAF	cases	controls				
rs9508829	C/G	C, 0.10	C, 0.44	128	381	C, 0.28	1.20	0.16	0.247
rs4769870	C/T	T, 0.10	T, 0.46	129	382	T, 0.27	1.15	0.16	0.367
rs10507391	A/T	A, 0.33	T, 0.08	143	416	T, 0.41	1.16	0.13	0.267
rs9551963	A/C	A, 0.46	A, 0.47	142	414	C, 0.48	0.98	0.13	0.902

Values are present in n (number) or % (percentage). Bp: base pair; CEU_HapMap: Caucasian population in HapMap, YRI: Yoruba population in HapMap, MA: minor allele, MAF: minimum allele frequency, OR: odd ratio, SE standard error, P: nominal p-value

Table 3- ALOX5AP SNPs association tests in the CHARGE meta-analysis.

SNP id	pos	ref.coded	ref.noncoded	β	SE	meta p-value
rs9508829	30,197,476	C	G	0.04	0.06	0.468
rs4769870	30,201,511	T	C	0.04	0.06	0.468
rs10507391	30,210,096	A	T	-0.03	0.04	0.448
rs9551963	30,230,547	A	C	-0.03	0.04	0.518