

Table 5: Statistical power for the various studies to find associations between *CAV1/CAV2* polymorphisms and primary open angle glaucoma (POAG).¹

Cohort	n cases	n controls	OR	Power (%) in a multiplicative model	Power (%) in an additive model
GLAUGEN	976	1140	1.2	13	12
NEIGHBOR	2132	2290	1.2	62	57
Pooled GLAUGEN and NEIGHBOR	3108	3430	1.2	86	82
Icelandic study ³	1263	10,000	1.2	61	55
Women only	1682	1937	1.3	93	89
Men only	1426	1493	1.3	84	77
POAG with paracentral loss only	224	3430	1.4	31	24
POAG with peripheral loss only	993	3430	1.4	99	98

1. All power calculations were done using the CaTS power calculator with the following parameters: p value threshold: 7.7×10^{-4} , disease prevalence: 0.04, disease allele frequency: 0.2. Odds ratios reflect the average odds ratio for each analysis from the top 10 overall SNPs.
2. Abbreviations: OR=odds ratio, GLAUGEN= Glaucoma Genes and Environment study, NEIGHBOR= National Eye Institute Glaucoma Human Genetics Collaboration study
3. The maximum number of controls the CaTS program allows is 10,000, so the Icelandic study power is probably slightly underestimated since it actually had 34,877 controls.