Resource Summary Report

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International AMD Genetics Consortium

RRID:SCR_004009
Type: Tool

Proper Citation

International AMD Genetics Consortium (RRID:SCR_004009)

Resource Information

URL: http://eaglep.case.edu/iamdgc_web/

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Description: Consortium aiming to identify the remaining genetic risk variants for Age-related Macular Degeneration (AMD). To increase the statistical power needed to identify genes that have small, yet significant contributions to AMD, the consortium is conducting a meta-analysis on 15 Genome Wide Association Studies (GWAS) pooled from consortium members representing over 8,000 patients with advanced AMD (dry type, neovascular, or both) and 50,000 controls. In addition to verifying known genes, the consortium identified 19 new gene variants. The genes identified in these studies function in the immune system, cholesterol transport and metabolism, and formation and maintenance of connective tissue. This study provides a nearly complete picture of genetic heritability for AMD.

Abbreviations: IAMDGC

Synonyms: International Age-related Macular Degeneration Genetics Consortium

Resource Type: consortium, data or information resource, organization portal, portal

Keywords: genetic variant, genome-wide association study, gene, risk factor, genetics, visual system, eye, late adult human, basic science, biomarker

Funding: NEI

Resource Name: International AMD Genetics Consortium

Resource ID: SCR_004009

Alternate IDs: nlx_158429, SCR_013676

Record Creation Time: 20220129T080222+0000

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Ratings and Alerts

No rating or validation information has been found for International AMD Genetics Consortium.

No alerts have been found for International AMD Genetics Consortium.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Yu H, et al. (2024) Association of genetic variation in COL11A1 with adolescent idiopathic scoliosis. eLife, 12.

Li QS, et al. (2023) Genome-wide association study meta-analysis of suicide death and suicidal behavior. Molecular psychiatry, 28(2), 891.

Yu H, et al. (2023) Association of genetic variation in COL11A1 with adolescent idiopathic scoliosis. bioRxiv : the preprint server for biology.

Han X, et al. (2023) Integrating genetics and metabolomics from multi-ethnic and multi-fluid data reveals putative mechanisms for age-related macular degeneration. Cell reports. Medicine, 4(7), 101085.

Jones AV, et al. (2022) Evaluating a Causal Relationship between Complement Factor I Protein Level and Advanced Age-Related Macular Degeneration Using Mendelian Randomization. Ophthalmology science, 2(2).

Cipriani V, et al. (2021) Beyond factor H: The impact of genetic-risk variants for age-related macular degeneration on circulating factor-H-like 1 and factor-H-related protein concentrations. American journal of human genetics, 108(8), 1385.

Kiel C, et al. (2020) Pleiotropic Locus 15q24.1 Reveals a Gender-Specific Association with Neovascular but Not Atrophic Age-Related Macular Degeneration (AMD). Cells, 9(10).

Cipriani V, et al. (2020) Increased circulating levels of Factor H-Related Protein 4 are strongly associated with age-related macular degeneration. Nature communications, 11(1), 778.

Grassmann F, et al. (2019) Y chromosome mosaicism is associated with age-related macular degeneration. European journal of human genetics : EJHG, 27(1), 36.

Schulz HL, et al. (2017) Mutation Spectrum of the ABCA4 Gene in 335 Stargardt Disease Patients From a Multicenter German Cohort-Impact of Selected Deep Intronic Variants

and Common SNPs. Investigative ophthalmology & visual science, 58(1), 394.

Bomba L, et al. (2017) The impact of rare and low-frequency genetic variants in common disease. Genome biology, 18(1), 77.

Grassmann F, et al. (2017) Genetic pleiotropy between age-related macular degeneration and 16 complex diseases and traits. Genome medicine, 9(1), 29.

Grassmann F, et al. (2016) Multiallelic copy number variation in the complement component 4A (C4A) gene is associated with late-stage age-related macular degeneration (AMD). Journal of neuroinflammation, 13(1), 81.