

DAFTAR PUSTAKA

- Abbas, A. K., Lichtman, A. H., Pillai, S., Baker, D. L., dan Baker, A. 2018. *Cellular and Molecular Immunology*. 9th ed. Philadelphia, PA: Elsevier.
- Appelboom, G., Piazza, M., Hwang, B. Y., Bruce, S., Smith, S., Bratt, A., Bagiella, E., Badjatia, N., Mayer, S., dan Connolly, E. S. 2011. Complement Factor H Y402H polymorphism is associated with an increased risk of mortality after intracerebral hemorrhage. *Journal of Clinical Neuroscience*. 18(11), pp.1439–1443.
- Bíró, A., Prohászka, Z., Füst, G., dan Blaskó, B. 2006. Determination of complement factor H functional polymorphisms (V62I, Y402H, and E936D) using sequence-specific primer PCR and restriction fragment length polymorphisms. *Molecular Diagnosis & Therapy*. 10(5), pp.303–310.
- Bonomo, J. A., Palmer, N. D., Hicks, P. J., Lea, J. P., Okusa, M. D., Langefeld, C. D., Bowden, D. W. and Freedman, B. I. 2014. Complement factor H gene associations with end-stage kidney disease in African Americans. *Nephrology Dialysis Transplantation*. 29(7), pp.1409–1414.
- Boon, C. J. F., van de Kar, N. C., Klevering, B. J., Keunen, J. E. E., Cremers, F. P. M., Klaver, C. C. W., Hoyng, C. B., Dha, M. R., dan den Hollander, A.I. 2009. The spectrum of phenotypes caused by variants in the CFH gene. *Molecular Immunology*. 46(8–9), pp.1573–1594.
- de Breuk, A., Volokhina, E. B., Bakker, B., Garanto, A., Fauser, S., Katti, S., Hoyng, C. B., Lechanteur, Y. T., van den Heuvel, L. P., dan den Hollander, A. I. 2021. Systemic complement levels in patients with age-related macular degeneration carrying rare or low-frequency variants in the CFH gene. *Human Molecular Genetics*. 31(3), pp.455–470.
- Chakravarthy, U., Wong, T. Y., Fletcher, A., Piau, E., Evans, C., Zlateva, G., Buggage, R., Pleil, A., dan Mitchell, P. 2010. Clinical risk factors for age-related macular degeneration: A systematic review and meta-analysis. *BMC Ophthalmology*. 10(1).
- Chen, L. J., Liu, D. T., Tam, P. O., Chan, W. M., Liu, K., Chong, K. K., Lam, D. S., dan Pang, C. P. 2006. Association of complement factor H polymorphisms with exudative age-related macular degeneration. *Molecular Vision*. 12, pp.1536–1542.

- Chen, Y., Bedell, M., dan Zhang, K. 2010. Age-related macular degeneration: Genetic and environmental factors of disease. *Molecular Interventions*. 10(5), pp.271–281.
- Cruz-González, F., Cieza-Borrella, C., Valverde, G. L., Lorenzo-Pérez, R., Hernández-Galilea, E., dan González-Sarmiento, R. 2013. CFH (rs1410996), HTRA1 (rs112000638) and ARMS2 (rs10490923) gene polymorphisms are associated with AMD risk in Spanish patients. *Ophthalmic Genetics*. 35(2), pp.68–73.
- Deng, Y., Qiao, L., Du, M., Qu, C., Wan, L., Li, J., dan Huang, L. 2022. Age-related macular degeneration: Epidemiology, Genetics, pathophysiology, diagnosis, and targeted therapy. *Genes & Diseases*. 9(1), pp.62–79.
- Ding, X., Patel, M., dan Chan, C. -C. 2009. Molecular pathology of age-related macular degeneration. *Progress in Retinal and Eye Research*. 28(1), pp.1–18.
- Dong, L., Qu, Y., Jiang, H., Dai, H., Zhou, F., Xu, X., Bi, H., Pan, X., dan Dang, G. 2011. Correlation of complement factor H gene polymorphisms with exudative age-related macular degeneration in a Chinese cohort. *Neuroscience Letters*. 488(3), pp.283–287.
- Derrickson, B. H. dan Tortora, G. J. 2017. *Tortora's Principles of Anatomy & Physiology*. 15th ed. Danvers, MA: Wiley.
- Elvioza, Artha, N., Agustiawan, R., dan Kadarisman R. 2018. *Pedoman Nasional Pelayanan Kedokteran: Degenerasi Makula karena Usia*. Jakarta: Kementerian Kesehatan Republik Indonesia.
- Ennis, S., Goverdhan, S., Cree, A., Hoh, J., Collins, A., dan Lotery, A. 2007. Fine-scale linkage disequilibrium mapping of age-related macular degeneration in the complement factor H gene region. *British Journal of Ophthalmology*. 91(7), pp.966–970.
- Fleckenstein, M., Keenan, T. D., Guymer, R. H., Chakravarthy, U., Schmitz-Valckenberg, S., Klaver, C. C., Wong, W. T., dan Chew, E. Y. 2021. Age-related macular degeneration. *Nature Reviews Disease Primers*. 7(1).
- Gezen-Ak, D., Dursun, E., Hanağası, H., Bilgiç, B., Lohman, E., Araz, Ö. S., Atasoy, İ. L., Alaylıoğlu, M., Önal, B., Gürvit, H., dan Yılmaz, S. 2013. BDNF, TNFA, HSP90, CFH, and IL-10 Serum Levels in Patients with Early

or Late Onset Alzheimer's Disease or Mild Cognitive Impairment. *Journal of Alzheimer's Disease*. 37(1), pp.185–195.

Huang, L., Li, Y., Guo, S., Sun, Y., Zhang, C., Bai, Y., Li, S., Yang, F., Zhao, Min, Wang, B., Yu, W., Zhao, Mingwei, Khor, C. C., dan Li, X. 2014. Different hereditary contribution of the CFH gene between polypoidal choroidal vasculopathy and age-related macular degeneration in Chinese Han people. *Investigative Ophthalmology & Visual Science*. 55(4), p.2534.

Kawasaki, R., Wang, J. J., Aung, T., Tan, D. T. H., Mitchell, P., Sandar, M., Saw, S. -M., dan Wong, T. Y. 2008. Prevalence of age-related macular degeneration in a Malay population. *Ophthalmology*. 115(10), pp.1735–1741.

Liao, X., Lan, C. -J., Cheuk, I. -W. -Y., dan Tan, Q. 2016. Four complement factor H gene polymorphisms in association with AMD: A Meta-analysis. *Archives of Gerontology and Geriatrics*. 64, pp.123–129.

Liu, M., Chen, Y., Zhou, J., Liu, Y., Wang, F., Shi, S., Zhao, Y., Wang, S., Liu, L., Lv, J., Zhang, H., dan Zhao, M. 2015. Implication of Urinary Complement Factor H in the Progression of Immunoglobulin A Nephropathy. *PLOS ONE*. 10(6).

Liu, X., Zhao, P., Tang, S., Lu, F., Hu, J., Lei, C., Yang, X., Lin, Y., Ma, S., Yang, J., Zhang, D., Shi, Y., Li, T., Chen, Y., Fan, Y., dan Yang, Z. 2010. Association study of complement factor H, C2, CFB, and C3 and age-related macular degeneration in a Han Chinese population. *Retina*. 30(8), pp.1177–1184.

Martínez-Barricarte, R., Recalde, S., Fernández-Robredo, P., Millán, I., Olavarrieta, L., Viñuela, A., Pérez-Pérez, J., García-Layana, A., dan Rodríguez de Córdoba, S. 2012. Relevance of complement factor H-related 1 (CFHR1) genotypes in age-related macular degeneration. *Investigative Ophthalmology & Visual Science*. 53(3), p.1087.

Mescher, A. L. 2018. *Junqueira's Basic Histology: Text and Atlas*. 15th ed. New York: McGraw-Hill.

Miki, A., Kondo, N., Yanagisawa, S., Bessho, H., Honda, S., dan Negi, A. 2014. Common variants in the complement factor H gene confer genetic susceptibility to central serous chorioretinopathy. *Ophthalmology*. 121(5), pp.1067–1072.

- Moore, I., Strain, L., Pappworth, I., Kavanagh, D., Barlow, P. N., Herbert, A. P., Schmidt, C. Q., Staniforth, S. J., Holmes, L. V., Ward, R., Morgan, L., Goodship, T. H., dan Marchbank, K. J. 2010. Association of factor H autoantibodies with deletions of CFHR1, CFHR3, CFHR4, and with mutations in CFH, CFI, CD46, and C3 in patients with atypical hemolytic uremic syndrome. *Blood*. 115(2), pp.379–387.
- Mori, K., Gehlbach, P. L., Kabasawa, S., Kawasaki, I., Oosaki, M., Iizuka, H., Katayama, S., Awata, T., dan Yoneya, S. 2007. Coding and noncoding variants in the CFH gene and cigarette smoking influence the risk of age-related macular degeneration in a Japanese population. *Investigative Ophthalmology & Visual Science*. 48(11), p.5315.
- Moschos, M. M., Gazouli, M., Gatziofas, Z., Brouzas, D., Nomikarios, N., Sivaprasad, S., Mitropoulos, P., dan Chatziralli, I. P. 2016. Prevalence of the complement factor H and GSTM1 genes polymorphisms in patients with central serous chorioretinopathy. *Retina*. 36(2), pp.402–407.
- Murphy, K., Weaver, C., Mowat, A., Berg, L., Chaplin, D., dan Janeway, C. A. 2017. *Janeway's Immunobiology*. 9th ed. New York, NY: Garland Science.
- Neto, J. M., Viturino, M. G., Ananina, G., Bajano, F. F., Costa, S. M., Roque, A. B., Borges, G. F., Franchi, R., Rim, P. H., Medina, F. M., Costa, F. F., Melo, M. B., dan de Vasconcellos, J. P. 2021. Association of genetic variants rs641153 (CFB), rs2230199 (C3), and rs1410996 (CFH) with age-related macular degeneration in a Brazilian population. *Experimental Biology and Medicine*. 246(21), pp.2290–2296.
- Ng, T. K., Chen, L. J., Liu, D. T., Tam, P. O., Chan, W. M., Liu, K., Hu, Y. J., Chong, K. K., Lau, C. S., Chiang, S. W., Lam, D. S., dan Pang, C. P. 2008. Multiple gene polymorphisms in the complement factor H gene are associated with exudative age-related macular degeneration in Chinese. *Investigative Ophthalmology & Visual Science*. 49(8), p.3312.
- Pierce, B. A. 2021. *Genetics Essentials: Concepts and Connections*. 5th ed. New York, NY: Macmillan International Higher Education.
- Pritchard, J. K. dan Przeworski, M. 2001. Linkage Disequilibrium in Humans: Models and Data. *The American Journal of Human Genetics*. 69(1), pp.1–14.
- Priya, R. R., Chew, E. Y., dan Swaroop, A. 2012. Genetic studies of age-related macular degeneration. *Ophthalmology*. 119(12), pp.2526–2536.

- Reich, D., Cargill, M., Bolk, S., Ireland J., Sabeti, P. C., Richter, D. J., Lavery, T., Kouyoumjian R., Farhadian, S. F., Ward, R., dan Lander E. S. 2001. Linkage disequilibrium in the human genome. *Nature* (411), pp.199–204.
- Silva, A. S., Teixeira, A. G., Bavia, L., Lin, F., Velletri, R., Belfort, R., Jr, dan Isaac, L. 2012. Plasma levels of complement proteins from the alternative pathway in patients with age-related macular degeneration are independent of Complement Factor H Tyr⁴⁰²His polymorphism. *Molecular Vision*. 18, pp.2288–2299.
- Slatkin, M. 2008. Linkage disequilibrium — understanding the evolutionary past and mapping the medical future. *Nature Reviews Genetics*. 9(6), pp.477–485.
- Stradiotto, E., Allegrini, D., Fossati, G., Raimondi, R., Sorrentino, T., Tripepi, D., Barone, G., Inforzato, A., dan Romano, M. R. 2022. Genetic aspects of age-related macular degeneration and their therapeutic potential. *International Journal of Molecular Sciences*. 23(21), p.13280.
- Tan, P. L., Rickman, C. B., dan Katsanis, N. 2016. AMD and the alternative complement pathway: genetics and functional implications. *Human Genomics*. 10(1).
- Wang, F., Yu, F., Tan, Y., Song, D., dan Zhao, M. 2012. Serum complement factor H is associated with clinical and pathological activities of patients with lupus nephritis. *Rheumatology*. 51(12), pp.2269–2277.
- Wong, W. L., Su, X., Li, X., Cheung, C. M., Klein, R., Cheng, C. -Y., dan Wong, T. Y. 2014. Global prevalence of age-related macular degeneration and disease burden projection for 2020 and 2040: A systematic review and meta-analysis. *The Lancet Global Health*. 2(2).
- Wu, M., Guo, Y., Ma, Y., Zheng, Z., Wang, Q., dan Zhou, X. 2016. Association of Two Polymorphisms, rs1061170 and rs1410996, in Complement Factor H with Age-Related Macular Degeneration in an Asian Population: A Meta-Analysis. *Ophthalmic Research*. 55(3), pp.135–144.
- Yanoff, M. dan Duker, J.S. 2019. *Ophthalmology*. 5th ed. Edinburgh: Elsevier.
- Yang, X., Hu, J., Zhang, J., dan Guan, H. 2010. Polymorphisms in CFH, HTRA1 and CX3CR1 confer risk to exudative age-related macular degeneration in Han Chinese. *British Journal of Ophthalmology*. 94(9), pp.1211–1214.

- Zhang, C., Zhang, D. -F., Wu, Z. -G., Peng, D. -H., Chen, J., Ni, J., Tang, W., Xu, L., Yao, Y. -G., dan Fang, Y. -R. 2016. Complement factor H and susceptibility to major depressive disorder in Han Chinese. *British Journal of Psychiatry*. 208(5), pp.446–452.
- Zhang, D. -F., Huang, X. -Q., Wang, D., Li, Y. -Y., dan Yao, Y. -G. 2013. Genetic variants of complement genes FICOLIN-2, mannose-binding lectin and complement factor H are associated with leprosy in Han Chinese from Southwest China. *Human Genetics*. 132(6), pp.629–640.
- Zhao, J., Wu, H., Khosravi, M., Cui, H., Qian, X., Kelly, J. A., Kaufman, K. M., Langefeld, C. D., Williams, A. H., Comeau, M. E., Ziegler, J. T., Marion, M. C., Adler, A., Glenn, S. B., Alarcón-Riquelme, M. E., Pons-Estel, B. A., Harley, J. B., Bae, S. -C., Bang, S. -Y., Cho, S. -K., Jacob, C. O., Vyse, T. J., Niewold, T. B., Gaffney, P. M., Moser, K. L., Kimberly, R. P., Edberg, J. C., Brown, E. E., Alarcon, G. S., Petri, M. A., Ramsey-Goldman, R., Vilá, L. M., Reveille, J. D., James, J. A., Gilkeson, G. S., Kamen, D. L., Freedman, B. I., Anaya, J. -M., Merrill, J. T., Criswell, L. A., Scofield, R. H., Stevens, A. M., Guthridge, J. M., Chang, D. -M., Song, Y. W., Park, J. A., Lee, E. Y., Boackle, S. A., Grossman, J. M., Hahn, B. H., Goodship, T. H., Cantor, R. M., Yu, C. -Y., Shen, N., dan Tsao, B. P. 2011. Association of Genetic Variants in Complement Factor H and Factor H-Related Genes with Systemic Lupus Erythematosus Susceptibility. *PLoS Genetics*. 7(5).
- Zhu, L., Zhai, Y. -L., Wang, F. -M., Hou, P., Lv, J. -C., Xu, D. -M., Shi, S. -F., Liu, L. -J., Yu, F., Zhao, M. -H., Novak, J., Gharavi, A. G., dan Zhang, H. 2015. Variants in Complement Factor H and Complement Factor H-Related Protein Genes, CFHR3 and CFHR1, Affect Complement Activation in IgA Nephropathy. *Journal of the American Society of Nephrology*. 26(5), pp.1195–1204.