

DAFTAR PUSTAKA

- Abd El-Aziz, T. A., Mohamed, R. H., Hagrass, H. A. (2014). Increased risk of premature coronary artery disease in Egyptians with ABCA1 (R219K), CETP (TaqIB), and LCAT (4886C/T) genes polymorphism. *J Clin Lipidol*, 8(4), 381–389. <https://doi.org/10.1016/j.jacl.2014.06.001>.
- Abumrad, N. A., & Davidson, N. O. (2012). Role of the gut in lipid homeostasis. *Physiol Rev*, 92(3), 1061–1085. <https://doi.org/10.1152/physrev.00019.2011>.
- Abramovs N, Brass A, Tassabehji M. Hardy-Weinberg Equilibrium in the Large Scale Genomic Sequencing Era. *Front Genet*. 2020;11:210. Published 2020 Mar 13. doi:10.3389/fgene.2020.00210.
- Aerts, J., Wetzels, Y., Cohen, N., Aerssens, J. (2002). Data mining of public SNP databases for the selection of intragenic SNPs. *Hum Mutat*, 20(3), 162–173. <https://doi.org/10.1002/humu.10107>.
- Aguirre-Portolés, C., Feliu, J., Reglero, G., Ramírez de Molina, A. (2018). ABCA1 overexpression worsens colorectal cancer prognosis by facilitating tumour growth and caveolin-1-dependent invasiveness, and these effects can be ameliorated using the BET inhibitor apabetalone. *Mol Oncol*, 12(10), 1735–1752. <https://doi.org/10.1002/1878-0261.12367>.
- Akao, H., Polisecki, E., Schaefer, E. J., Trompet, S., Robertson, M., Ford, I., *et al.* (2014). ABCA1 gene variation and heart disease risk reduction in the elderly during pravastatin treatment. *Atherosclerosis*, 235(1), 176–181. <https://doi.org/10.1016/j.atherosclerosis.2014.04.030>.
- Badan Penelitian dan Pengembangan Kesehatan Kementrian Kesehatan RI Tahun 2018. (2018). *Laporan Nasional Riset Kesehatan Dasar (RISKESDAS) 2018*. Badan Penelitian Dan Pengembangan Kesehatan, Jakarta.
- Barrett-Connor, E. (2013). Menopause, atherosclerosis, and coronary artery disease. *Current Opinion in Pharmacology*, 13(2), pp.186–191. doi:<https://doi.org/10.1016/j.coph.2013.01.005>.
- Benjamin, E. J., Blaha, M. J., Chiuve, S. E., Cushman, M., Das, S. R., Deo, R., *et al.* American Heart Association Statistics Committee and Stroke Statistics Subcommittee (2017). Heart Disease and Stroke Statistics-2017 Update: A Report From the American Heart Association. *Circulation*, 135(10), e146–e603. <https://doi.org/10.1161/CIR.0000000000000485>.
- Benton, J. L., Ding, J., Tsai, M. Y., Shea, S., Rotter, J. I., Burke, G. L., *et al.* (2007). Associations between two common polymorphisms in the ABCA1 gene and subclinical atherosclerosis: Multi-Ethnic Study of Atherosclerosis (MESA). *Atherosclerosis*, 193(2), 352–360. <https://doi.org/10.1016/j.atherosclerosis.2006.06.024>.
- Bi, X., Vitali, C., & Cuchel, M. (2015). ABCA1 and Inflammation: From Animal Models to Humans. *Arterioscler Thromb Vasc Biol*, 35(7), 1551–1553. <https://doi.org/10.1161/ATVBAHA.115.305547>.
- Brookes A. J. (1999). The essence of SNPs. *Gene*, 234(2), 177–186. [https://doi.org/10.1016/s0378-1119\(99\)00219-x](https://doi.org/10.1016/s0378-1119(99)00219-x).
- Bungert, S., Molday, L. L., Molday, R. S. (2001). Membrane topology of the ATP binding cassette transporter ABCR and its relationship to ABC1 and related

- ABCA transporters: identification of N-linked glycosylation sites. *J Biol Chem*, 276(26), 23539–23546. <https://doi.org/10.1074/jbc.M101902200>.
- Cai, R., Han, J., Sun, J., Huang, R., Tian, S., Shen, Y., *et al.* (2017). Effects of ABCA1 R219K Polymorphism and Serum Lipid Profiles on Mild Cognitive Impairment in Type 2 Diabetes Mellitus. *Front Aging Neurosci*, 9, 257. <https://doi.org/10.3389/fnagi.2017.00257>.
- Cao, L., Zhou, J., Chen, Y., Wu, Y., Wang, Y., Liu, T., & Fu, C. (2021). Effects of Body Mass Index, Waist Circumference, Waist-to-Height Ratio and Their Changes on Risks of Dyslipidemia among Chinese Adults: The Guizhou Population Health Cohort Study. *International journal of environmental research and public health*, 19(1), 341. <https://doi.org/10.3390/ijerph19010341>.
- Chai, A. B., Ammit, A. J., Gelissen, I. C. (2017). Examining the role of ABC lipid transporters in pulmonary lipid homeostasis and inflammation. *Respir Res*, 18(1), 41. <https://doi.org/10.1186/s12931-017-0526-9>.
- Cho, S.M.J., Lee, H.J., Shim, J.S., Song, B.M. and Kim, H.C. (2020). Associations between age and dyslipidemia are differed by education level: The Cardiovascular and Metabolic Diseases Etiology Research Center (CMERC) cohort. *Lipids in Health and Disease*, 19(1). doi:<https://doi.org/10.1186/s12944-020-1189-y>.
- Clee, S. M., Zwinderman, A. H., Engert, J. C., Zwarts, K. Y., Molhuizen, H. O., Roomp, K., *et al.* (2001). Common genetic variation in ABCA1 is associated with altered lipoprotein levels and a modified risk for coronary artery disease. *Circulation*, 103(9), 1198–1205. <https://doi.org/10.1161/01.cir.103.9.1198>.
- Clemente-Postigo, M., Queipo-Ortuño, M. I., Fernandez-Garcia, D., Gomez-Huelgas, R., Tinahones, F. J., & Cardona, F. (2011). Adipose tissue gene expression of factors related to lipid processing in obesity. *PloS one*, 6(9), e24783. <https://doi.org/10.1371/journal.pone.0024783>.
- Cohen, J. C., Horton, J. D., Hobbs, H. H. (2011). Human fatty liver disease: old questions and new insights. *Science (New York, N.Y.)*, 332(6037), 1519–1523. <https://doi.org/10.1126/science.1204265>.
- Comings, D. E., & MacMurray, J. P. (2000). Molecular heterosis: a review. *Molecular genetics and metabolism*, 71(1-2), 19–31. <https://doi.org/10.1006/mgme.2000.3015>.
- Cyrus, C., Vatte, C., Al-Nafie, A., Chathoth, S., Al-Ali, R., Al-Shehri., *et al.* (2016). The impact of common polymorphisms in CETP and ABCA1 genes with the risk of coronary artery disease in Saudi Arabians. *Hum Genomics*, 10, 8. <https://doi.org/10.1186/s40246-016-0065-3>.
- D'Aquila, T., Hung, Y. H., Carreiro, A., Buhman, K. K. (2016). Recent discoveries on absorption of dietary fat: Presence, synthesis, and metabolism of cytoplasmic lipid droplets within enterocytes. *Biochim Biophys Acta*, 1861(8 Pt A), 730–747. <https://doi.org/10.1016/j.bbalip.2016.04.012>.
- Dallinga-Thie, G. M., Franssen, R., Mooij, H. L., Visser, M. E., Hassing, H. C., Peelman, F., *et al.* (2010). The metabolism of triglyceride-rich lipoproteins revisited: new players, new insight. *Atherosclerosis*, 211(1), 1–8. <https://doi.org/10.1016/j.atherosclerosis.2009.12.027>.

- Eckel, R. H., & Cornier, M. A. (2014). Update on the NCEP ATP-III emerging cardiometabolic risk factors. *BMC Med*, 12, 115. <https://doi.org/10.1186/1741-7015-12-115>.
- Efeyan, A., Comb, W. C., Sabatini, D. M. (2015). Nutrient-sensing mechanisms and pathways. *Nature*, 517(7534), 302–310. <https://doi.org/10.1038/nature14190>.
- Endo A. (1992). The discovery and development of HMG-CoA reductase inhibitors. *Journal of lipid research*, 33(11), 1569–1582.
- Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults (2001). Executive Summary of the Third Report of the National Cholesterol Education Program (NCEP) Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults (Adult Treatment Panel III). *JAMA*, 285(19), pp.2486–2497. doi:10.1001/jama.285.19.2486.
- Fawzy, M. S., Alhadramy, O., Hussein, M. H., Ismail, H. M., Ismail, N. M., Biomy, N. M., *et al.* (2015). Functional and Structural Impact of ATP-Binding Cassette Transporter A1 R219K and I883M Gene Polymorphisms in Obese Children and Adolescents. *Mol Diagn Ther*, 19(4), 221–234. <https://doi.org/10.1007/s40291-015-0150-7>.
- Fredrickson, D. S., Altrocchi, P. H., Avioli, L. V., Goodman, D. W. S., Goodman, H. C. (1961). Tangier disease: combined clinical staff conference at the National Institutes of Health. *Ann Intern Med*, 55(6), 1016-1031.
- Feingold, K. R., & Grunfeld, C. (2012). Lipids: a key player in the battle between the host and microorganisms. *J Lipid Res*, 53(12), 2487–2489. <https://doi.org/10.1194/jlr.E033407>.
- Ghaznavi, H., Aali, E., Soltanpour, M. S. (2018). Association Study of the ATP - Binding Cassette Transporter A1 (ABCA1) Rs2230806 Genetic Variation with Lipid Profile and Coronary Artery Disease Risk in an Iranian Population. *Open Access Maced J Med Sci*, 6(2), 274–279. <https://doi.org/10.3889/oamjms.2018.063>.
- Goldstein, J. L., & Brown, M. S. (2009). The LDL receptor. *Arteriosclerosis, thrombosis, and vascular biology*, 29(4), 431–438. <https://doi.org/10.1161/ATVBAHA.108.179564>.
- Goldstein, J. L., & Brown, M. S. (2015). A century of cholesterol and coronaries: from plaques to genes to statins. *Cell*, 161(1), 161–172. <https://doi.org/10.1016/j.cell.2015.01.036>.
- Gomes, S. M., Bodner, M., Souto, L., Zimmermann, B., Huber, G., Strobl, C., Röck, A. W., Achilli, A., Olivieri, A., Torroni, A., Côrte-Real, F., & Parson, W. (2015). Human settlement history between Sunda and Sahul: a focus on East Timor (Timor-Leste) and the Pleistocenic mtDNA diversity. *BMC genomics*, 16(1), 70. <https://doi.org/10.1186/s12864-014-1201-x>.
- Guo, D., Bell, E. H., Chakravarti, A. (2013). Lipid metabolism emerges as a promising target for malignant glioma therapy. *CNS Oncol*, 2(3), 289–299. <https://doi.org/10.2217/cns.13.20>
- Helgadottir, A., Gretarsdottir, S., Thorleifsson, G., Hjartarson, E., Sigurdsson, A., Magnusdottir, *et al.* (2016). Variants with large effects on blood lipids and

- the role of cholesterol and triglycerides in coronary disease. *Nature genetics*, 48(6), 634–639. <https://doi.org/10.1038/ng.3561>.
- Hokanson, J. E., & Austin, M. A. (1996). Plasma triglyceride level is a risk factor for cardiovascular disease independent of high-density lipoprotein cholesterol level: a meta-analysis of population-based prospective studies. *Journal of cardiovascular risk*, 3(2), 213–219.
- Hooper, A. J., Burnett, J. R., Watts, G. F. (2015). Contemporary aspects of the biology and therapeutic regulation of the microsomal triglyceride transfer protein. *Circ Res*, 116(1), 193–205. <https://doi.org/10.1161/CIRCRESAHA.116.304637>.
- Hosking, L., Lumsden, S., Lewis, K., Yeo, A., McCarthy, L., Bansal, A., Riley, J., Purvis, I., & Xu, C. F. (2004). Detection of genotyping errors by Hardy-Weinberg equilibrium testing. *European journal of human genetics*, 12(5), 395–399. <https://doi.org/10.1038/sj.ejhg.5201164>.
- Hussain M. M. (2014). Intestinal lipid absorption and lipoprotein formation. *Curr Opin Lipidol*, 25(3), 200–206. <https://doi.org/10.1097/MOL.0000000000000084>.
- Jacobson, T. A., Ito, M. K., Maki, K. C., Orringer, C. E., Bays, H. E., Jones, P. H., *et al.* (2014). National Lipid Association recommendations for patient-centered management of dyslipidemia: part 1 - executive summary. *J Clin Lipidol*, 8(5), 473–488. <https://doi.org/10.1016/j.jacl.2014.07.007>.
- Karimian, M., Momeni, A., Farmohammadi, A., Behjati, M., Jafari, M., Raygan, F. (2020). Common gene polymorphism in ATP-binding cassette transporter A1 and coronary artery disease: A genetic association study and a structural analysis. *J Cell Biochem*, 121(5-6), 3345–3357. <https://doi.org/10.1002/jcb.29606>.
- Karki, R., Pandya, D., Elston, R.C., Ferlini, C. (2015). Defining ‘mutation’ and ‘polymorphism’ in the era of personal genomics. *BMC Med Genomics*, 8(1). doi:10.1186/s12920-015-0115-z.
- Kementrian Kelautan dan Perikanan (KKP). (2021). AKI - Angka Konsunsi Ikan Tahun 2021. <https://statistik.kkp.go.id/home.php?m=aki&i=209#panel-footer>. Diakses pada tanggal 2 Mei 2023.
- Khera, A. V., Cuchel, M., de la Llera-Moya, M., Rodrigues, A., Burke, M. F., Jafri, K., *et al.* (2011). Cholesterol efflux capacity, high-density lipoprotein function, and atherosclerosis. *N Eng J Med*, 364(2), 127–135. <https://doi.org/10.1056/NEJMoa1001689>.
- Kimanius, D., Forsberg, B. O., Scheres, S. H., Lindahl, E. (2016). Accelerated cryo-EM structure determination with parallelisation using GPUs in RELION-2. *eLife*, 5, e18722. <https://doi.org/10.7554/eLife.18722>.
- Kindel, T., Lee, D. M., Tso, P. (2010). The mechanism of the formation and secretion of chylomicrons. *Atherosclerosis: Suppl*, 11(1), 11–16. <https://doi.org/10.1016/j.atherosclerosissup.2010.03.003>.
- Kitjaroentharn, A., Hananantachai, H., Tungtrongchitr, A., Pooudong, S., Tungtrongchitr, R. (2007). R219K polymorphism of ATP binding cassette transporter A1 related with low HDL in overweight/obese Thai males. *Arch Med Res*, 38(8), 834–838. <https://doi.org/10.1016/j.arcmed.2007.06.010>.

- Klop, B., Elte, J. W., & Cabezas, M. C. (2013). Dyslipidemia in obesity: mechanisms and potential targets. *Nutrients*, 5(4), 1218–1240. <https://doi.org/10.3390/nu5041218>.
- Klop, B., Wouter Jukema, J., Rabelink, T. J., & Castro Cabezas, M. (2012a). A physician's guide for the management of hypertriglyceridemia: the etiology of hypertriglyceridemia determines treatment strategy. *Panminerva medica*, 54(2), 91–103.
- Klop, B., Proctor, S. D., Mamo, J. C., Botham, K. M., & Castro Cabezas, M. (2012b). Understanding postprandial inflammation and its relationship to lifestyle behaviour and metabolic diseases. *International journal of vascular medicine*, 2012, 947417. <https://doi.org/10.1155/2012/947417>.
- Kopin, L., & Lowenstein, C. (2017). Dyslipidemia. *Ann Intern Med*, 167(11), ITC81–ITC96. <https://doi.org/10.7326/AITC201712050>.
- Laboratory, L. & Hopkins, J. (2006). *Laboratory Procedure Manual Total Cholesterol, HDL-Cholesterol, Triglycerides, and LDL-Cholesterol*. [online] Available at: https://www.cdc.gov/nchs/data/nhanes/nhanes_03_04/113_c_met_lipids.pdf.
- Le Master, E., & Levitan, I. (2019). Endothelial stiffening in dyslipidemia. *Aging*, 11(2), 299–300. <https://doi.org/10.18632/aging.101778>.
- Lee, E. K., & Gorospe, M. (2011). Coding region: the neglected post-transcriptional code. *RNA biol*, 8(1), 44–48. <https://doi.org/10.4161/rna.8.1.13863>.
- Lehninger, A.L., Nelson, D.L., Cox, M.M. (2017). *Lehninger principles of biochemistry*. 7th ed. W. H. Freeman And Company, New York.
- Lemeshow, S. & David, J. (1997) *Besar Sampel dalam Penelitian Kesehatan* (terjemahan). Gadjah Mada University Press, Yogyakarta.
- Lin, C.-F., Chang, Y.-H., Chien, S.-C., Lin, Y.-H., Yeh, H.-Y. (2018). Epidemiology of Dyslipidemia in the Asia Pacific Region. *Int J Gerontol*, 12(1), pp.2–6. doi:10.1016/j.ijge.2018.02.010.
- Liu, N., Hou, M., Ren, W., Cao, J., Wu, H., Zhou, W. (2015). The R219K polymorphism on ATP-binding cassette transporter A1 gene is associated with coronary heart disease risk in Asia population: evidence from a meta-analysis. *Cell Biochem Biophys*, 71(1), 49–55. <https://doi.org/10.1007/s12013-014-0161-8>.
- Li, Y., Tang, K., Zhou, K., Wei, Z., Zeng, Z., He, L., et al. (2012). Quantitative assessment of the effect of ABCA1 R219K polymorphism on the risk of coronary heart disease. *Mol Biol Rep*, 39(2), 1809–1813. <https://doi.org/10.1007/s11033-011-0922-z>.
- Lu, Z., Luo, Z., Jia, A., Yu, L., Muhammad, I., Zeng, W., et al. (2018). Associations of the ABCA1 gene polymorphisms with plasma lipid levels: A meta-analysis. *Medicine*, 97(50), e13521. <https://doi.org/10.1097/MD.00000000000013521>.
- Lupton, M. K., Proitsi, P., Lin, K., Hamilton, G., Daniilidou, M., Tsolaki, M., & Powell, J. F. (2014). The role of ABCA1 gene sequence variants on risk of Alzheimer's disease. *JAD*, 38(4), 897–906. <https://doi.org/10.3233/JAD-131121>.

- Mabuchi, H., Nohara, A., Inazu, A. (2014). Cholesteryl ester transfer protein (CETP) deficiency and CETP inhibitors. *Mol Cells*, 37(11), 777–784. <https://doi.org/10.14348/molcells.2014.0265>.
- Manjunath, C. N., Rawal, J. R., Irani, P. M., Madhu, K. (2013). Atherogenic dyslipidemia. *Indian J Endocrinol Metab*, 17(6), 969–976. <https://doi.org/10.4103/2230-8210.122600>.
- Maxfield F. R. (2002). Plasma membrane microdomains. *Curr Opin Cell Biol*, 14(4), 483–487. [https://doi.org/10.1016/s0955-0674\(02\)00351-4](https://doi.org/10.1016/s0955-0674(02)00351-4).
- Miller, M., Rhyne, J., Hamlette, S., Birnbaum, J., Rodriguez, A. (2003). Genetics of HDL regulation in humans. *Curr Opin Lipidol*, 14(3), 273–279. <https://doi.org/10.1097/00041433-200306000-00007>.
- Momeni, Z., Dehghani, A., Fallahzadeh, H., Koohgard, M., Dafei, M., Hekmatimoghaddam, S.H. and Mohammadi, M. (2020). The impacts of pill contraceptive low-dose on plasma levels of nitric oxide, homocysteine, and lipid profiles in the exposed vs. non exposed women: as the risk factor for cardiovascular diseases. *Contraception and Reproductive Medicine*, 5(1). doi:<https://doi.org/10.1186/s40834-020-00110-z>.
- Nelson, D. L & Cox, M. M. 2013. *Lehninger Principles of Biochemistry 6th*. W. H. Freeman and Company, New York.
- Olivecrona, G. (2016). Role of lipoprotein lipase in lipid metabolism. *Curr Opin Lipidol*, 27(3), 233–241. <https://doi.org/10.1097/MOL.0000000000000297>.
- Oram J. F. (2002). The cholesterol mobilizing transporter ABCA1 as a new therapeutic target for cardiovascular disease. *Trends Cardiovasc Med*, 12(4), 170–175. [https://doi.org/10.1016/s1050-1738\(02\)00159-7](https://doi.org/10.1016/s1050-1738(02)00159-7).
- Ossoli, A., Simonelli, S., Vitali, C., Franceschini, G., Calabresi, L. (2016). Role of LCAT in Atherosclerosis. *J Atheroscler Thromb*, 23(2), 119–127. <https://doi.org/10.5551/jat.32854>.
- Packard C. J. (2003). Triacylglycerol-rich lipoproteins and the generation of small, dense low-density lipoprotein. *Biochemical Society Transactions*, 31(Pt 5), 1066–1069. <https://doi.org/10.1042/bst0311066>.
- Panoutsopoulou, K., & Wheeler, E. (2018). Key Concepts in Genetic Epidemiology. *Methods in molecular biology (Clifton, N.J.)*, 1793, 7–24. https://doi.org/10.1007/978-1-4939-7868-7_2.
- Parks, J. S., Chung, S., Shelness, G. S. (2012). Hepatic ABC transporters and triglyceride metabolism. *Curr Opin Lipidol*, 23(3), 196–200. <https://doi.org/10.1097/MOL.0b013e328352dd1a>.
- Peelman, F., Labeur, C., Vanloo, B., Roosbeek, S., Devaud, C., Duverger, N., et al. (2003). Characterization of the ABCA transporter subfamily: identification of prokaryotic and eukaryotic members, phylogeny and topology. *J Mol Biol*, 325(2), 259–274. [https://doi.org/10.1016/s0022-2836\(02\)01105-1](https://doi.org/10.1016/s0022-2836(02)01105-1).
- Phan, B. A., & Toth, P. P. (2014). Dyslipidemia in women: etiology and management. *International journal of women's health*, 6, 185–194. <https://doi.org/10.2147/IJWH.S38133>.
- Pilia, G., Chen, W. M., Scuteri, A., Orrù, M., Albai, G., Dei, M., et al. (2006). Heritability of cardiovascular and personality traits in 6,148 Sardinians. *PLoS genetics*, 2(8), e132. <https://doi.org/10.1371/journal.pgen.0020132>.

- Qi, L., Ding, X., Tang, W., Li, Q., Mao, D., Wang, Y. (2015). Prevalence and Risk Factors Associated with Dyslipidemia in Chongqing, China. *Int J Environ Res Public Health*, 12(10), 13455–13465. <https://doi.org/10.3390/ijerph121013455>.
- Qian, H., Zhao, X., Cao, P., Lei, J., Yan, N., Gong, X. (2017). Structure of the Human Lipid Exporter ABCA1. *Cell*, 169(7), 1228–1239.e10. <https://doi.org/10.1016/j.cell.2017.05.020>.
- Rader, D.J. (2008). Lipoprotein Metabolism. *Encyclopedia of Molecular Pharmacology*, pp.696–700. doi:10.1007/978-3-540-38918-7_190.
- Rader, D. J., & Hovingh, G. K. (2014). HDL and cardiovascular disease. *Lancet (London, England)*, 384(9943), 618–625. [https://doi.org/10.1016/S0140-6736\(14\)61217-4](https://doi.org/10.1016/S0140-6736(14)61217-4).
- Rigot, V., Hamon, Y., Chambenoit, O., Alibert, M., Duverger, N., Chimini, G. (2002). Distinct sites on ABCA1 control distinct steps required for cellular release of phospholipids. *J Lipid Res*, 43(12), 2077–2086. <https://doi.org/10.1194/jlr.m200279-jlr200>.
- Rimm, E. B., Appel, L. J., Chiuve, S. E., Djoussé, L., Engler, M. B., Kris-Etherton, P. M., Mozaffarian., *et al.* (2018). Seafood Long-Chain n-3 Polyunsaturated Fatty Acids and Cardiovascular Disease: A Science Advisory From the American Heart Association. *Circulation*, 138(1), e35–e47. <https://doi.org/10.1161/CIR.0000000000000574>.
- Rodwell, V.W., Bender, D.A., Botham, K.M., Kennelly, P.J., P Anthony Weil (2018). *Harper's illustrated biochemistry. 31st ed.* McGraw-Hill Education, New York.
- Rosenson, R. S., Brewer, H. B., Jr, Davidson, W. S., Fayad, Z. A., Fuster, V., Goldstein, J., *et al.* (2012). Cholesterol efflux and atheroprotection: advancing the concept of reverse cholesterol transport. *Circulation*, 125(15), 1905–1919. <https://doi.org/10.1161/CIRCULATIONAHA.111.066589>.
- Rust, S., Rosier, M., Funke, H., Real, J., Amoura, Z., Piette, J. C., *et al.* (1999). Tangier disease is caused by mutations in the gene encoding ATP-binding cassette transporter 1. *Nature genetics*, 22(4), 352–355. <https://doi.org/10.1038/11921>.
- Rye, K. A., & Barter, P. J. (2014). Cardioprotective functions of HDLs. *J Lipid Res*, 55(2), 168–179. <https://doi.org/10.1194/jlr.R039297>.
- Schmitz, G., & Langmann, T. (2005). Transcriptional regulatory networks in lipid metabolism control ABCA1 expression. *Biochim Biophys Acta*, 1735(1), 1–19. <https://doi.org/10.1016/j.bbalip.2005.04.004>.
- Schwartz, M. W., Seeley, R. J., Tschöp, M. H., Woods, S. C., Morton, G. J., Myers, M. G., *et al.* (2013). Cooperation between brain and islet in glucose homeostasis and diabetes. *Nature*, 503(7474), 59–66. <https://doi.org/10.1038/nature12709>.
- Sepiani, A., Cheraghzadeh, M., Nazeri, Z., Azizidoost, S., Shalbafan, B., Kheirollah, A. (2021). Correlation of R219K polymorphism of ABCA1 gene and the risk of Alzheimer's disease in the southwest of Iran. *Meta Gene*, 30, p.100961. doi:10.1016/j.mgene.2021.100961.

- Shi, Z., Tian, Y., Zhao, Z., Wu, Y., Hu, X., Li, J., Chen, Q., Wang, Y., An, C., & Zhang, K. (2021). Association between the ABCA1 (R219K) polymorphism and lipid profiles: a meta-analysis. *Scientific reports*, 11(1), 21718. <https://doi.org/10.1038/s41598-021-00961-9>.
- Smith, L. C., Pownall, H. J., Gotto, A. M., Jr (1978). The plasma lipoproteins: structure and metabolism. *Annu Rev Biochem*, 47, 751–757. <https://doi.org/10.1146/annurev.bi.47.070178.003535>.
- Stamatikos, A., Dronadula, N., Ng, P., Palmer, D., Knight, E., Wacker, B. K., Tang, C., *et al.* (2019). ABCA1 Overexpression in Endothelial Cells In Vitro Enhances ApoAI-Mediated Cholesterol Efflux and Decreases Inflammation. *Hum Gene Ther*, 30(2), 236–248. <https://doi.org/10.1089/hum.2018.120>.
- Tabassum, R., Rämö, J. T., Ripatti, P., Koskela, J. T., Kurki, M., Karjalainen, J., *et al.* (2019). Genetic architecture of human plasma lipidome and its link to cardiovascular disease. *Nature communications*, 10(1), 4329. <https://doi.org/10.1038/s41467-019-11954-8>.
- Tiwari, S., & Siddiqi, S. A. (2012). Intracellular trafficking and secretion of VLDL. *Arterioscler Thromb Vasc Biol*, 32(5), 1079–1086. <https://doi.org/10.1161/ATVBAHA.111.241471>.
- Trigatti B. L. (2017). SR-B1 and PDZK1: partners in HDL regulation. *Curr Opin Lipidol*, 28(2), 201–208. <https://doi.org/10.1097/MOL.0000000000000396>.
- Vasudevan, D. M., Sreekumari, S., Vaidyanathan, K. (2019). *Textbook of Biochemistry for Medical Students. 9th Ed.* Jaypee Brothers Medical Publishers, London.
- Wang, J., Xiao, Q., Wang, L., Wang, Y., Wang, D., Ding, H. (2022). Role of ABCA1 in Cardiovascular Disease. *J Pers Med*, 12(6), 1010. <https://doi.org/10.3390/jpm12061010>.
- Wang, M. D., Franklin, V., Marcel, Y. L. (2007). In vivo reverse cholesterol transport from macrophages lacking ABCA1 expression is impaired. *Arterioscler Thromb Vasc Biol*, 27(8), 1837–1842. <https://doi.org/10.1161/ATVBAHA.107.146068>.
- Wang, M., Liu, M., Li, F., Guo, C., Liu, Z., Pan, Y., Liu, Y., Liu, F., Cai, H., Wu, Y., He, Z., & Ke, Y. (2020). Gender heterogeneity in dyslipidemia prevalence, trends with age and associated factors in middle age rural Chinese. *Lipids in health and disease*, 19(1), 135. <https://doi.org/10.1186/s12944-020-01313-8>.
- Wang, S., & Smith, J. D. (2014). ABCA1 and nascent HDL biogenesis. *BioFactors (Oxford, England)*, 40(6), 547–554. <https://doi.org/10.1002/biof.1187>.
- Waterworth, D. M., Ricketts, S. L., Song, K., Chen, L., Zhao, J. H., *et al.* (2010). Genetic variants influencing circulating lipid levels and risk of coronary artery disease. *Arterioscler Thromb Vasc Biol*, 30(11), 2264–2276. <https://doi.org/10.1161/ATVBAHA.109.201020>.
- Westerterp, M., Murphy, A. J., Wang, M., Pagler, T. A., Vengrenyuk, Y., Kappus, M. S., *et al.* (2013). Deficiency of ATP-binding cassette transporters A1 and G1 in macrophages increases inflammation and accelerates atherosclerosis in mice. *Circ Res*, 112(11), 1456–1465. <https://doi.org/10.1161/CIRCRESAHA.113.301086>.

- Wolska, A., Dunbar, R. L., Freeman, L. A., Ueda, M., Amar, M. J., Sviridov, D. O., Remaley, A. T. (2017). Apolipoprotein C-II: New findings related to genetics, biochemistry, and role in triglyceride metabolism. *Atherosclerosis*, 267, 49–60. <https://doi.org/10.1016/j.atherosclerosis.2017.10.025>.
- World Health Organization. (2014). *World Health Statistics: A Wealth of Information on Global Public Health*. World Health Organization, Geneva.
- Yassine, H. N., Belopolskaya, A., Schall, C., Stump, C. S., Lau, S. S., & Reaven, P. D. (2014). Enhanced cholesterol efflux to HDL through the ABCA1 transporter in hypertriglyceridemia of type 2 diabetes. *Metabolism: clinical and experimental*, 63(5), 727–734. <https://doi.org/10.1016/j.metabol.2014.03.001>.