

DAFTAR PUSTAKA

- Abdelhamid, A. S., Martin, N., Bridges, C., Brainard, J. S., Wang, X., Brown, T. J., Hanson, S., Jimoh, O. F., Ajabnoor, S. M., Deane, K. H. O., Song, F., & Hooper, L. (2018). Polyunsaturated fatty acids for the primary and secondary prevention of cardiovascular disease. *Cochrane Database Syst. Rev.*, 2018(7). <https://doi.org/10.1002/14651858.CD012345.pub2>
- Abdullah, M. M. H., Vazquez-vidal, I., Baer, D. J., House, J. D., Jones, P. J. H., & Desmarchelier, C. (2021). Common genetic variations involved in the inter-individual variability of circulating cholesterol concentrations in response to diets: a narrative review of recent evidence. *Nutrients*, 13(2), 695. <https://doi.org/https://doi.org/10.3390/nu13020695>
- Al-Zahrani, J., Shubair, M. M., Al-Ghamdi, S., Alrasheed, A. A., Alduraywish, A. A., Alreshidi, F. S., Alshahrani, S. M., Alsalamah, M., Al-Khateeb, B. F., Ashathri, A. I., El-Metwally, A., & Aldossari, K. K. (2021). The prevalence of hypercholesterolemia and associated risk factors in Al-Kharj population, Saudi Arabia: a cross-sectional survey. *BMC Cardiovasc. Disord.*, 21(1), 1–8. <https://doi.org/10.1186/s12872-020-01825-2>
- Alvaro, A., Solà, R., Rosales, R., Ribalta, J., Anguera, A., Masana, L., & Vallvé, J. C. (2008). Gene expression analysis of a human enterocyte cell line reveals downregulation of cholesterol biosynthesis in response to short-chain fatty acids. *IUBMB Life*, 60(11), 757–764. <https://doi.org/10.1002/iub.110>
- Andersson, M., Ellegård, L., & Andersson, H. (2002). Oat bran stimulates bile acid synthesis within 8h as measured by 7 α -hydroxy-4-cholesten-3-one. *Am. J. Clin. Nutr.*, 76(5), 1111–1116. <https://doi.org/10.1093/ajcn/76.5.1111>
- Balding, D. J. (2006). A tutorial on statistical methods for population association studies. *Nat. Rev. Genet.*, 7(10), 781–791. <https://doi.org/10.1038/nrg1916>
- Besten, G. Den, Eunen, K. Van, Groen, A. K., Venema, K., Reijngoud, D., & Bakker, B. M. (2013). The role of short-chain fatty acids in the interplay between diet, gut microbiota, and host energy metabolism. *J. Lipid Res.*, 54(9), 2325–2340. <https://doi.org/10.1194/jlr.R036012>
- Bordonaro, M., Lazarova, D. L., & Sartorelli, A. C. (2007). The activation of beta-catenin by Wnt signaling mediates the effects of histone deacetylase inhibitors. *Exp. Cell Res.*, 3, 1652–1666. <https://doi.org/10.1016/j.yexcr.2007.02.008>
- Botto, L. D., & Khoury, M. J. (2001). Commentary: Facing the challenge of gene-environment interaction: The two-by-four table and beyond. *Am. J. Epidemiol.*, 153(10), 1016–1020. <https://doi.org/10.1093/aje/153.10.1016>
- Boucher, P., Matz, R. L., & Terrand, J. (2020). Atherosclerosis: Gone with the Wnt? *Atherosclerosis*, 301, 15–22. <https://doi.org/10.1016/j.atherosclerosis.2020.03.024>
- Bridgeman, S. C., Northrop, W., Melton, P. E., Ellison, G. C., Newsholme, P., & Mamotte, C. D. S. (2020). Butyrate generated by gut microbiota and its therapeutic role in metabolic syndrome. *Pharmacol. Res.*, 160(June), 105174. <https://doi.org/10.1016/j.phrs.2020.105174>
- Bridgeman, S., Woo, H. C., Newsholme, P., & Mamotte, C. (2022). Butyrate lowers cellular cholesterol through HDAC inhibition and impaired SREBP-2

- signalling. *Int. J. Mol. Sci.*, 23(24), 15506. <https://doi.org/10.3390/ijms232415506>
- Byrne, C. S., Chambers, E. S., Morrison, D. J., & Frost, G. (2015). The role of short chain fatty acids in appetite regulation and energy homeostasis. *Int. J. Obes.*, 39(9), 1331–1338. <https://doi.org/10.1038/ijo.2015.84>
- Cadigan, K. M., & Waterman, M. L. (2012). TCF/LEFs and Wnt signaling in the nucleus. *Cold Spring Harb. Perspect. Biol.*, 4(11), 1–22.
- Chiang, J. Y. L. (2009). Bile acids: Regulation of synthesis. *J. Lipid Res.*, 50(10), 1955–1966. <https://doi.org/10.1194/jlr.R900010-JLR200>
- Clarke, G. M., Anderson, C. a, Pettersson, F. H., Cardon, L. R., & Andrew, P. (2011). Europe PMC Funders Group Basic statistical analysis in genetic case-control studies. *Nature Protocols*, 6(2), 121–133. <https://doi.org/10.1038/nprot.2010.182>.Basic
- Corella, D., Carrasco, P., Sorlí, J. V, Estruch, R., Rico-Sanz, J., Martínez-González, M. Á., Salas-Salvadó, J., Covas, M. I., Coltell, O., Arós, F., Lapetra, J., Serra-Majem, L., Ruiz-Gutiérrez, V., Warnberg, J., Fiol, M., Pintó, X., Ortega-Azorín, C., Muñoz, M. Á., Martínez, J. A., ... Ordovás, J. M. (2013). Mediterranean diet reduces the adverse effect of the TCF7L2- rs7903146 polymorphism on cardiovascular risk factors and stroke incidence. *Diabetes Care*, 36, 3803–3811. <https://doi.org/10.2337/dc13-0955>.Clinical
- Corella, D., & Ordovás, J. M. (2014). How does the Mediterranean diet promote cardiovascular health? Current progress toward molecular mechanisms. *Bioessays*, 36, 526–537. <https://doi.org/10.1002/bies.201300180>
- Coutinho, E. R., Miname, M. H., Rocha, V. Z., Bittencourt, M. S., Jannes, C. E., Tada, M. T., Lima, I. R., Filho, W. S., Chacra, A. P., Pereira, A. C., Krieger, J. E., & Santos, R. D. (2021). Familial hypercholesterolemia and cardiovascular disease in older individuals. *Atherosclerosis*, 318, 32–37. <https://doi.org/10.1016/j.atherosclerosis.2020.12.012>
- Dhaka, V., Gulia, N., Ahlawat, K. S., & Khatkar, B. S. (2011). Trans fats-sources, health risks and alternative approach - A review. *J. Food Sci. Technol.*, 48(5), 534–541. <https://doi.org/10.1007/s13197-010-0225-8>
- Engelbrechtsen, L., Hansen, T. H., Mahendran, Y., Pyl, P., Andersson, E., Jonsson, A., Gjesing, A., Linneberg, A., Jørgensen, T., Hansen, T., & Vestergaard, H. (2017). Homozygous carriers of the altered postprandial response in triglycerides and triglyceride-rich lipoproteins. *Sci. Rep.*, 7, 1–8. <https://doi.org/10.1038/srep43128>
- Erejuwa, O. O., Sulaiman, S. A., & Ab Wahab, M. S. (2012). Oligosaccharides might contribute to the antidiabetic effect of honey: A review of the literature. *Molecules*, 17(1), 248–266. <https://doi.org/10.3390/molecules17010248>
- 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 Programme (NCEP) expert panel on detection, evaluation, and treatment of high blood cholesterol in adults (Adult Treatment Panel III). *JAMA*, 285(19), 2486–2497. <https://doi.org/10.1001/jama.285.19.2486>
- Fabiani, E. De, Mitro, N., Gilardi, F., Galmozzi, A., Caruso, D., & Crestani, M.

- (2010). When food meets man: the contribution of epigenetics to health. *Nutrients*, 2(May), 551–571. <https://doi.org/10.3390/nu2050551>
- Fernandez, M. (2001). Soluble fiber and nondigestible carbohydrate effects on plasma lipids and cardiovascular risk. *Curr. Opin. Lipidol.*, 12(1), 35–40. <https://doi.org/10.1097/00041433-200102000-00007>
- Fisher, E., Boeing, H., Fritsche, A., Doering, F., Joost, H., & Schulze, M. B. (2009). Whole-grain consumption and transcription factor-7-like 2 (TCF7L2) rs7903146: gene – diet interaction in modulating type 2 diabetes risk. *British J. of Nutr.*, 101, 478–481. <https://doi.org/10.1017/S0007114508020369>
- Ghosh, R., Colon-Negron, K., & Papa, F. R. (2019). Endoplasmic reticulum stress, degeneration of pancreatic islet β -cells, and therapeutic modulation of the unfolded protein response in diabetes. *Mol. Metab.*, 27, S60–S68. <https://doi.org/10.1016/j.molmet.2019.06.012>
- Gourineni, V., Stewart, M. L., Icoz, D., & Zimmer, J. P. (2018). Gastrointestinal tolerance and glycemic response of isomaltooligosaccharides in healthy adults. *Nutrients*, 10(3), 6–15. <https://doi.org/10.3390/nu10030301>
- Grubic, T. J., Sowinski, R. J., Nevares, B. E., Jenkins, V. M., Williamson, S. L., Reyes, A. G., Rasmussen, C., Greenwood, M., Murano, P. S., Earnest, C. P., & Kreider, R. B. (2019). Comparison of ingesting a food bar containing whey protein and isomalto-oligosaccharides to carbohydrate on performance and recovery from an acute bout of resistance-exercise and sprint conditioning: An open label, randomized, counterbalanced, crossover p. *J. Int. Soc. Sports Nutr.*, 16(1). <https://doi.org/10.1186/s12970-019-0301-z>
- Gruzdeva, O., Borodkina, D., Uchasova, E., Dyleva, Y., & Barbarash, O. (2018). Localization of fat depots and cardiovascular risk. *Lipids Health Dis.*, 17(1), 218. <https://doi.org/10.1186/s12944-018-0856-8>
- Hannon, B. A., Khan, N. A., & Teran-Garcia, M. (2018). Nutrigenetic contributions to dyslipidemia: A focus on physiologically relevant pathways of lipid and lipoprotein metabolism. *Nutrients*, 10(10). <https://doi.org/10.3390/nu10101404>
- Hannon, B. A., Thompson, S. V., An, R., & Teran-Garcia, M. (2017). Clinical outcomes of dietary replacement of saturated fatty acids with unsaturated fat sources in adults with overweight and obesity: A systematic review and meta-analysis of randomized control trials. *Ann. Nutr. Metab.*, 71(1–2), 107–117. <https://doi.org/10.1159/000477216>
- Hill, M.F., & Bordon, B. (2022) *Hyperlipidemia*. Treasure Island (FL): StatPearls Publishing. PMID: 32644608.
- Hindy, G., Sonestedt, E., Ericson, U., Jing, X. J., Zhou, Y., Hansson, O., Renström, E., Wirfält, E., & Orho-Melander, M. (2012). Role of TCF7L2 risk variant and dietary fibre intake on incident type 2 diabetes. *Diabetologia*, 55(10), 2646–2654. <https://doi.org/10.1007/s00125-012-2634-x>
- Hofman, M. K., Groenendijk, M., Verkuijden, P., Jonkers, I., Mohrschladt, M. F., Smelt, A. H. M., & Princen, H. M. G. (2004). Modulating effect of the A-278C promoter polymorphism in the cholesterol 7 α -hydroxylase gene on serum lipid levels in normolipidaemic and hypertriglyceridaemic individuals. *Eur. J. Hum. Genet.*, 12, 935–941. <https://doi.org/10.1038/sj.ejhg.5201236>

- Hooton, D., Lentle, R., Monro, J., Wickham, M., & Simpson, R. (2015). The secretion and action of brush border enzymes in the mammalian small intestine. *Reviews of Physiology, Biochemistry and Pharmacology*, 168, 59–118. https://doi.org/10.1007/112_2015_24
- Hubacek, J. A., & Bobkova, D. (2006). Role of cholesterol 7 α -hydroxylase (CYP7A1) in nutrigenetics and pharmacogenetics of cholesterol lowering. *Mol. Diag. Ther.*, 10(2), 93–100. <https://doi.org/10.1007/BF03256448>
- Islam, S. U., Ahmed, M. B., Ahsan, H., & Lee, Y. S. (2021). Recent molecular mechanisms and beneficial effects of phytochemicals and plant-based whole foods in reducing ldl-c and preventing cardiovascular disease. *Antioxidants*, 10(5). <https://doi.org/10.3390/antiox10050784>
- Kadam, P., & Bhalerao, S. (2010). Sample size calculation. *Int. J. Ayurveda Res.*, 1(1), 55. <https://doi.org/10.4103/0974-7788.59946>
- Kaptein, A., Roodenburg, L., & Princen, H. M. G. (1991). Butyrate stimulates the secretion of apolipoprotein (apo) A-I and apo B100 by the human hepatoma cell line Hep G2. Induction of apo A-I mRNA with no change of apo B100 mRNA. *Biochem. J.*, 278(2), 557–564. <https://doi.org/10.1042/bj2780557>
- Kido, T., Sikora-Wohlfeld, W., Kawashima, M., Kikuchi, S., Kamatani, N., Patwardhan, A., Chen, R., Sirota, M., Kodama, K., Hadley, D., & Butte, A. J. (2018). Are minor alleles more likely to be risk alleles? *BMC Medical Genomics*, 11(1), 1–11. <https://doi.org/10.1186/s12920-018-0322-5>
- Komiya, Y., & Habas, R. (2008). Wnt signal transduction pathways. *Organogenesis*, 4(2), 68–75.
- Kulldorff, M., Sinha, R., Chow, W. H., & Rothman, N. (2000). Comparing odds ratios for nested subsets of dietary components. *Int. J. Epidemiol.*, 29(6), 1060–1064. <https://doi.org/10.1093/ije/29.6.1060>
- Lazarova, D. L., Chiaro, C., & Bordonaro, M. (2014). Butyrate induced changes in Wnt-signaling specific gene expression in colorectal cancer cells. *BMC Res.*, 7(1), 1–8. <https://doi.org/10.1186/1756-0500-7-226>
- Li, J., Zhou, L., Ouyang, X., & He, P. (2021). Transcription Factor-7-Like-2 (TCF7L2) in atherosclerosis: a potential biomarker and therapeutic target. *Front. Cardiovasc. Med.*, 8, 1–12. <https://doi.org/10.3389/fcvm.2021.701279>
- Maharani, A., Sujarwoto, Praveen, D., Oceandy, D., Tampubolon, G., & Patel, A. (2019). Cardiovascular disease risk factor prevalence and estimated 10-year cardiovascular risk scores in Indonesia: The SMARThealth Extend study. *PLoS One*, 14(4). <https://doi.org/10.1371/journal.pone.0215219>
- Maiolino, G., Rossitto, G., Caielli, P., Bisogni, V., Rossi, G. P., & Calò, L. A. (2013). The role of oxidized low-density lipoproteins in atherosclerosis: The myths and the facts. *Mediators Inflamm.*, 2013. <https://doi.org/10.1155/2013/2714653>
- Marsono, Y., Putri, R. G., & Arianti, E. D. (2020). The effects of replacement of dietary fiber with FiberCreme™ on lowering serum glucose and improvement of lipid profile in hypercholesterolemia-diabetic rats and its mechanism. *Pak. J. Nutr.*, 19(4), 204–211. <https://doi.org/10.3923/pjn.2020.204.211>
- Mensink, R. P., & Katan, M. B. (1990). Effect of dietary trans fatty acids on high-

- density and low-density lipoprotein cholesterol levels in healthy subjects. *N. Engl. J. Med.*, 323, 439–445. <https://doi.org/10.1056/NEJM199008163230703>
- Mohamed, R. E., Gadour, M. O., & Adam, I. (2015). The lowering effect of Gum Arabic on hyperlipidemia in Sudanese patients. *Front. Physiol.*, 6(MAY), 1–4. <https://doi.org/10.3389/fphys.2015.00160>
- Molowa, D. T., Chen, W. S., Cimis, G. M., & Tan, C. P. (1992). Transcriptional Regulation of the Human Cholesterol 7 α -Hydroxylase Genet. *Biochemistry*, 31(9), 2539–2544. <https://doi.org/10.1021/bi00124a014>
- Mondal, A. K., Das, S. K., Baldini, G., Chu, W. S., Sharma, N. K., Hackney, O. G., Zhao, J., Grant, S. F. A., & Elbein, S. C. (2010). Genotype and tissue-specific effects on alternative splicing of the transcription factor 7-like 2 gene in humans. *J. Clin. Endocrinol. Metab.*, 95(3), 1450–1457. <https://doi.org/10.1210/jc.2009-2064>
- Nie, Y., & Luo, F. (2021). Dietary fiber: An opportunity for a global control of hyperlipidemia. *Oxid. Med. Cell. Longev.*, 2021, 1–20. <https://doi.org/10.1155/2021/5542342>
- Nimmanapalli, H. D., Kasi, A. D., Devapatla, P., & Nuttakki, V. (2016). Lipid ratios, atherogenic coefficient and atherogenic index of plasma as parameters in assessing cardiovascular risk in type 2 diabetes mellitus. *Int. J. Res. Med. Sci.*, 4(7), 2863–2869. <https://doi.org/10.18203/2320-6012.ijrms20161966>
- Nusse, R., & Clevers, H. (2017). Wnt β -catenin signaling, disease, and emerging therapeutic modalities. *Cell*, 169(6), 985–999. <https://doi.org/10.1016/j.cell.2017.05.016>
- Oktavianthi, S., Saraswati, M. R., Suastika, K., Dwipayana, P., Sulfianti, A., & Hayati, R. F. (2018). Transcription factor 7-like 2 single nucleotide polymorphisms are associated with lipid profile in the Balinese. *Mol. Biol. Rep.*, 45, 1135–1143. <https://doi.org/10.1007/s11033-018-4265-x>
- Olamoyegun, M.A., Oluyombo, R., & Asaolu, S.O. (2016). Evaluation of dyslipidemia, lipid ratios, and atherogenic index as cardiovascular risk factors among semi-urban dwellers in Nigeria. *Ann Afr Med.* 15(4):194-199. doi: 10.4103/1596-3519.194280.
- Osmark, P., Hansson, O., Jonsson, A., & Rönn, T. (2009). Unique splicing pattern of the TCF7L2 gene in human pancreatic islets. *Diabetologia*, 52, 850–854. <https://doi.org/10.1007/s00125-009-1293-z>
- Oteng, A., & Kersten, S. (2020). Mechanisms of action of trans fatty acids. *Adv. Nutr.*, 11(3), 697–708. <https://doi.org/10.1093/advances/nmz125>
- Pérez-Beltrán, Y. E., Rivera-Iníguez, I., Gonzalez-Becerra, K., Pérez-Naitoh, N., Tovar, J., Sáyo-Ayerdi, S. G., & Mendivil, E. J. (2022). Personalized dietary recommendations based on lipid-related genetic variants: a systematic review. *Front. Nutr.*, 9(March), 1–24. <https://doi.org/10.3389/fnut.2022.830283>
- Perez-martinez, P., Perez-caballero, A. I., Garcia-rios, A., Yubero-serrano, E. M., Camargo, A., Gomez-luna, M. J., Marin, C., Gomez-luna, P., Dembinska-kiec, A., Rodriguez-cantalejo, F., Tinahones, F. J., Roche, H. M., Perez-jimenez, F.,

- Lopez-miranda, J., & Delgado-lista, J. (2012). Effects of rs7903146 variation in the TCF7L2 gene in the lipid metabolism of three different populations. *PLoS ONE*, 7(8), 1–8. <https://doi.org/10.1371/journal.pone.0043390>
- Popeijus, H. E., Zwaan, W., Tayyeb, J. Z., & Plat, J. (2021). Potential contribution of short chain fatty acids to hepatic apolipoprotein a-i production. *Int. J. Mol. Sci.*, 22(11). <https://doi.org/10.3390/ijms22115986>
- Pradas-Juni, M., Nicod, N., Fernández-Rebollo, & Gomis, R. (2014). Differential transcriptional and posttranslational transcription factor 7-like regulation among nondiabetic individuals and type 2 diabetic patients. *Mol. Endocr. (Baltimore, Md.)*, 28(9), 1558–1570. <https://doi.org/10.1210/me.2014-1065>
- Prasad, K., & Mishra, M. (2022). Mechanism of hypercholesterolemia-induced atherosclerosis. *Rev. Cardiovasc. Med.*, 23(6), 1–11. <https://doi.org/10.31083/j.rcm2306212>
- Rideout, T. C., Harding, S. V, Jones, P. J. H., & Fan, M. Z. (2008). Guar gum and similar soluble fibers in the regulation of cholesterol metabolism: Current understandings and future research priorities. *Vasc. Health Risk Manag.*, 4(5), 1023–1033.
- Roy, C. C., Kien, C. L., Bouthillier, L., & Levy, E. (2006). Short-chain fatty acids: Ready for prime time? *Nutr. Clin. Pract.*, 21(4), 351–366. <https://doi.org/10.1177/0115426506021004351>
- Scott, J. (2004). Pathophysiology and biochemistry of cardiovascular disease. *Curr. Opin. Genet. Dev.*, 14, 271–279. <https://doi.org/10.1016/j.gde.2004.04.012>
- She, Y., MacKay, D. S., House, J. D., & Jones, P. J. (2018). CYP7A1-rs3808607: A single nucleotide polymorphism associated with cholesterol response to functional foods. *Curr. Opin. Food Sci.*, 20(3), 19–23. <https://doi.org/10.1016/j.cofs.2018.02.013>
- Sheeba, D. A. H., & Gandhimathi, R. (2021). An Overview on Hyperlipidemia. *J. Pharm. Res. Int.*, 33, 543–555. <https://doi.org/10.9734/jpri/2021/v33i59b34413>
- Shrestha, N., De Franco, E., Arvan, P., & Cnop, M. (2021). Pathological β -Cell Endoplasmic Reticulum Stress in Type 2 Diabetes: Current Evidence. *Frontiers in Endocrinology*, 12. <https://doi.org/10.3389/fendo.2021.650158>
- Singh, R. B., Rastogi, S. S., Singh, R., Ghosh, S., & Niaz, M. A. (1992). Effects of guava intake on serum total and high-density lipoprotein cholesterol levels and on systemic blood pressure. *The American Journal of Cardiology*, 70(15), 1287–1291. [https://doi.org/10.1016/0002-9149\(92\)90763-O](https://doi.org/10.1016/0002-9149(92)90763-O)
- Siscovick, D. S., Barringer, T. A., Fretts, A. M., Wu, J. H. Y., Lichtenstein, A. H., Costello, R. B., Kris-Etherton, P. M., Jacobson, T. A., Engler, M. B., Alger, H. M., Appel, L. J., & Mozaffarian, D. (2017). Omega-3 Polyunsaturated Fatty Acid (fish oil) supplementation and the prevention of clinical cardiovascular disease: A science advisory from the american heart association. *Circulation*, 135(15), e867–e884. <https://doi.org/10.1161/CIR.0000000000000482>
- Soliman, G. A. (2019). Dietary fiber, atherosclerosis, and cardiovascular disease. *Nutrients*, 11(5). <https://doi.org/10.3390/nu11051155>
- Suckling, K., Glaxosmithkline, R., & City, W. G. (2014). Atherosclerosis. In *Reference Module in Biomedical Sciences* (Vol. 1, Issue c, pp. 1–8). Elsevier

- Inc. <https://doi.org/10.1016/B978-0-12-801238-3.00190-2>
- Sukkriang, N., Chanprasertpinyo, W., Wattanapisit, A., Punsawad, C., Thamrongrat, N., & Sangpoom, S. (2021). Correlation of body visceral fat rating with serum lipid profile and fasting blood sugar in obese adults using a noninvasive machine. *Heliyon*, 7(2), e06264. <https://doi.org/10.1016/j.heliyon.2021.e06264>
- Sumarni. (2019). Hubungan antara derajat lemak visceral dengan profil lipid pada dewasa obesitas. *J. Ilmiah Kedokteran*, 6(1), 45–54.
- Sunarti, Mumpuni, H., Yasmine, N., Marsono, Y., Fibri, D. L. N., & Murdiati, A. (2022). FiberCreme as a functional food ingredient reduces hyperlipidemia and risk of cardiovascular disease in subjects with hyperlipidemia. *Prev. Nutr. Food Sci.*, 27(2), 165–171.
- Surampudi, P., Enkhmaa, B., Anuurad, E., & Berglund, L. (2016). Lipid lowering with soluble dietary fiber. *Curr. Atheroscler. Rep.*, 18(12), 75. <https://doi.org/10.1007/s11883-016-0624-z>
- Tatematsu, K., Miyazawa, D., Saito, Y., Okuyama, H., & Ohara, N. (2021). Fully hydrogenated canola oil extends lifespan in stroke-prone spontaneously hypertensive rats. *Lipids Health Dis.*, 20(1), 102. <https://doi.org/https://doi.org/10.1186/s12944-021-01540-7>
- Tempel, W., Grabovec, I., MacKenzie, F., Dichenko, Y. V., Usanov, S. A., Gilep, A. A., Park, H. W., & Strushkevich, N. (2014). Structural characterization of human cholesterol 7 α -hydroxylase. *J. Lipid Res.*, 55(9), 1925–1932. <https://doi.org/10.1194/jlr.M050765>
- Theuwissen, E., & Mensink, R. P. (2007). Simultaneous intake of β -glucan and plant stanol esters affects lipid metabolism in slightly hypercholesterolemic subjects. *J. Nutr.*, 137(3), 583–588. <https://doi.org/10.1093/jn/137.3.583>
- Thornton, T., & Wu, M. (2017). *Association Mapping: GWAS and Sequencing Data* (Issue July, pp. 1–6). <http://faculty.washington.edu/tathornt/SISG2015.html>
- Wang, D., Hartmann, K., Seweryn, M., & Sadee, W. (2018). Interactions between regulatory variants in CYP7A1 (Cholesterol 7 α -Hydroxylase) promoter and enhancer regions regulate CYP7A1 expression. *Cirr: Genomic and Precision Medicine*, 1(October), 1–10. <https://doi.org/10.1161/CIRCGEN.118.002082>
- Wang, H., Lira, P., Kao, M., Chart, E., Lin, L., & Wang, N. (2001). Use of isomalto-oligosaccharide in the treatment of lipid profiles and constipation in hemodialysis patients. *J. Ren. Nutr.*, 11(2), 73–79. <https://doi.org/10.1053/jren.>
- Wang, J., Guerra, R., Cohen, J. C., Wang, J., Freeman, D. J., Grundy, S. M., Levine, D. M., Guerra, R., & Cohen, J. C. (1998). Linkage between cholesterol 7 α -hydroxylase and high plasma low-density lipoprotein cholesterol concentrations . Find the latest version : Linkage Between Cholesterol 7 α - Hydroxylase and High Plasma Low-density. *J. Clin. Invest.*, 101(6), 1283–1291. <https://doi.org/https://doi.org/10.1172/JCI1343>
- Wang, Y., Harding, S. V., Eck, P., Thandapilly, S. J., Gamel, T. H., Abdel-Aal, E. S. M., Crow, G. H., Tosh, S. M., Jones, P. J. H., & Ames, N. P. (2016). High-molecular-weight β -glucan decreases serum cholesterol differentially based on the CYP7A1 rs3808607 polymorphism in mildly hypercholesterolemic adults.

- J. Nutr.*, 146(4), 720–727. <https://doi.org/10.3945/jn.115.223206>
- Wong, J. M. W., & Jenkins, D. J. A. (2007). Carbohydrate digestibility and metabolic effects. *J. Nutr.*, 137, 2539–2546. <https://doi.org/10.1093/jn/137.11.2539s>
- Wu, H., Dwyer, K. M., Fan, Z., Shircore, A., Fan, J., & Dwyer, J. H. (2003). Dietary fiber and progression of atherosclerosis: The Los Angeles atherosclerosis study. *Am. J. Clin. Nutr.*, 78(6), 1085–1091. <https://doi.org/10.1093/ajcn/78.6.1085>
- Yang, S., Liu, Y., Li, M.-Y., Ng, C. S. H., Yang, S.-L., Wang, S., & Zou, C. (2017). FOP3 promotes tumor growth and metastasis by activating Wnt β -catenin signaling pathway.pdf. *Mol. Cancer.*, 1(16), 124. <https://doi.org/https://doi.org/10.1186/s12943-017-0700-1>
- Yao, Y. S., Li, T. Di, & Zeng, Z. H. (2020). Mechanisms underlying direct actions of hyperlipidemia on myocardium: An updated review. *Lipids Health Dis.*, 19(1), 1–6. <https://doi.org/10.1186/s12944-019-1171-8>
- Zhang, L., Huang, X., Meng, Z., Dong, B., Shiah, S., Moore, D. D., & Huang, W. (2009). Significance and mechanism of CYP7A1 gene regulation during the acute phase of liver regeneration. *Mol. Endocrinol.*, 23(2), 137–145. <https://doi.org/10.1210/me.2008-0198>
- Zhao, C., Deng, Y., Liu, L., Yu, K., Zhang, L., Wang, H., He, X., Wang, J., Lu, C., Wu, L. N., Weng, Q., Mao, M., Li, J., Es, J. H. Van, Xin, M., Parry, L., Goldman, S. A., Clevers, H., & Lu, Q. R. (2016). Dual regulatory switch through interactions of Tcf7l2/Tcf4 with stage-specific partners propels oligodendroglial maturation. *Nat. Commun.*, 7, 1–15. <https://doi.org/10.1038/ncomms10883>
- Zhao, D. (2021). Epidemiological features of cardiovascular disease in Asia. *JACC: Asia*, 1(1), 1–13. <https://doi.org/10.1016/j.jacasi.2021.04.007>
- Zhou, L., Li, C., Gao, L., & Wang, A. (2015). High-density lipoprotein synthesis and metabolism (Review). *Mol. Med. Rep.*, 12, 4015–4021. <https://doi.org/10.3892/mmr.2015.3930>
- Zhou, Q., Wu, J., Tang, J., Wang, J. J., Lu, C. H., & Wang, P. X. (2015). Beneficial effect of higher dietary fiber intake on plasma HDL-C and TC/HDL-C ratio among Chinese rural-to-urban migrant workers. *International Journal of Environmental Research and Public Health*, 12(5), 4726–4738. <https://doi.org/10.3390/ijerph120504726>
- Zhou, Z. K., Wang, F., Ren, X. C., Wang, Y., & Blanchard, C. (2015). Resistant starch manipulated hyperglycemia/hyperlipidemia and related genes expression in diabetic rats. *Int. J. Biol. Macromol.*, 75, 316–321. <https://doi.org/10.1016/j.ijbiomac.2015.01.052>