

DAFTAR PUSTAKA

- Afriyani, I., Wulandari, N., Teknologi Laboratorium Medis, P., Kementerian Kesehatan alembang Jl Sukabangun, P., & Sukarami Kota Palembang Alamat, K. (2023). Perbandingan Kadar Trigliserida Pada Serum Segera Diperiksa Dan Ditunda 7 Hari Pada Suhu 2-8 °C Info Artikel. In *Nadya Wulandari / Jurnal Analis Kesehatan Klinikal Sains* (Vol. 11, Issue 2). <http://jurnal.univrab.ac.id/index.php/klinikal>
- Allain, C. C., Poon, L. S., Chan, C. S. G., Richmond, W., & Fu3, P. C. (1974). EnzymaticDeterminationof Total Serum Cholesterol. In *Clinical Chemistry* (Vol. 20, Issue 4).
- Amalia, putri, kurniawan, entuy, rahayu, ira gustira, & novia, ganjar. (2019). Analisis Faktor- Faktor Kepatuhan Penerapan Standar Operasional Prosedur Pengambilan Darah Vena.
- Andini, A., & Nugraha, G. (2021). *Optimalisasi Penggunaan Point of Care Testing*. <https://snpm.unusa.ac.id>
- Anggraini, F., Khotimah, E., & Ningrum, S. S. (2022). Analisis Pemantapan Mutu Internal Pemeriksaan Glukosa Darah Di Laboratorium Rs Bhayangkara Tk.I Raden Said Sukanto Tahun 2021.
- Apriansyah Pratama, R., Dewi, ·, Yulianti, K., & Setiawan, · Doni. (2021). Aplikasi Metrik Sigma Dalam Pemantapan Mutu Internal Pada Pemeriksaan Ureum Disalah Satu Laboratorium Rumah Sakit Kabupaten Pangandaran. *JoIMedLabS*, 2(2), 175–184.
- ArulVijayaVani, S., Mohanraj, P. S., & Reeta, R. (2023). Evaluating Interference of Lipemia on Routine Clinical Biochemical Tests. *Journal of Laboratory Physicians*, 15(02), 269–275. <https://doi.org/10.1055/s-0042-1758664>
- Arya, S. K., Datta, M., & Malhotra, B. D. (2008). Recent advances in cholesterol biosensor. *Biosensors and Bioelectronics*, 23(7), 1083–1100. <https://doi.org/10.1016/j.bios.2007.10.018>
- Bastian, nuha, firna kamilatun, & ulva, maria. (2022). Edukasi Pengaruh Pemasangan Tourniquet terhadap Kadar Elektrolit pada Petugas Laboratorium Rumah Sakit Musi Medika CendikiaPalembang. *Khidmah*, 4(2), 507–516. <https://doi.org/10.52523/khidmah.v4i2.392>
- Berg, J., Tymoczko, J., Jr Gatto, G., & Stryer, L. (2019). *Biochemistry* (Vol. 9). w.h. freeman. Bishop, M., Fody, E., & Schoeff, L. (2018). *Clinical Chemistry*

*Principles, Techniques, and
Correlations.*

- Bo, T., Shao, S., Wu, D., Niu, S., Zhao, J., & Gao, L. (2017). Relative variations of gut microbiota in disordered cholesterol metabolism caused by high-cholesterol diet and host genetics. *MicrobiologyOpen*, 6(4). <https://doi.org/10.1002/mbo3.491>
- Carp, O. E., Pinteala, M., & Arvinte, A. (2022). Innovative Non-Enzymatic Electrochemical Quantification of Cholesterol. *Sensors*, 22(3). <https://doi.org/10.3390/s22030828>
- Castro-Castro, M. J., Candás-Estébanez, B., Esteban-Salán, M., Calmarza, P., Arrobas-Velilla, T., Romero-Román, C., Pocoví-Mieras, M., & Aguilar-Doreste, J. Á. (2018). Removing lipemia in serum/plasma samples: A multicenter study. *Annals of Laboratory Medicine*, 38(6), 518–523. <https://doi.org/10.3343/alm.2018.38.6.518>
- Cerqueira, N. M. F. S. A., Oliveira, E. F., Gesto, D. S., Santos-Martins, D., Moreira, C., Moorthy, H. N., Ramos, M. J., & Fernandes, P. A. (2016). Cholesterol Biosynthesis: A Mechanistic Overview. *Biochemistry*, 55(39), 5483–5506. <https://doi.org/10.1021/acs.biochem.6b00342>
- Cohen, L., Manion, L., & Morrison, K. (2007). *Research Methods in Education* (6th ed.). Routledge.
- Cresswell, J. w., & Guetterman, T. C. (2018). *Educational Research Planning, Conducting, and Evaluating Quantitative and Qualitative Research* (6th ed.).
- Dathan-Stumpf, A., Vogel, M., Grafe, N., Kiess, W., & Stepan, H. (2024). Relation between socioeconomic status and maternal serum lipids to infant lipid concentrations and anthropometry in the first year of life. *Archives of Gynecology and Obstetrics*, 309(3), 1009–1020. <https://doi.org/10.1007/s00404-023-06937-6>
- De Souza Nascimento, E., & Filho, A. T. (2010). Chemical waste risk reduction and environmental impact generated by laboratory activities in research and teaching institutions. In *Article Brazilian Journal of Pharmaceutical Sciences* (Vol. 46, Issue 2). www.iso.org
- Gunawan, P. Y., Runtunuwu, A. L., Mandei, J. M., Ch Manoppo, J. I., & Saputra, D. (2016a). Hubungan Kadar Laktat Serum Inisial dan Skor Pelod pada Anak dengan Sepsis (Vol. 18, Issue 3).
- Guyton, A. C., & Hall, J. E. (2006). *T E X T B O O K of Medical*

Physiology (11th ed.).
Elsevier.

Hardani MSi, A., Ustiawaty, J., & Juliana Sukmana, D. (2020). *Buku Metode Penelitian Kualitatif & Kuantitatif*.
<https://www.researchgate.net/publication/340021548>

Hassan, A. S. U., & Adnan, A. N. (2023). Evaluation of Lipid Profile and Sexual Hormones in Women with Polycystic Ovarian Syndrome at Al-Najaf Province. *International Journal of Drug Delivery Technology*, 13(3), 942–947. <https://doi.org/10.25258/ijddt.13.3.27>

Hauk, A. (2013). Penelitian Titik Pertemuan.

Hawkins, R. (2017). Pre And Post Analytical Factors Affecting Laboratory Results.

Hu, X., Lin, Y., Appleton, A. A., Wang, W., Yu, B., Zhou, L., Li, G., Zhou, Y., Ou, Y., & Dong, H. (2024). Remnant cholesterol, iron status and diabetes mellitus: a dose–response relationship and mediation analysis. *Diabetology and Metabolic Syndrome*, 16(1). <https://doi.org/10.1186/s13098-024-01304-0>

Hutteau-hamel, T., Mellouk, A., Trainel, N., Cassard, A. M., & Bobé, P. (2022). Hypercholesterolemia Negatively Regulates P2X7-Induced Cellular Function in CD4+ and CD8+ T-Cell Subsets from B6 Mice Fed a High-Fat Diet. *International Journal of Molecular Sciences*, 23(12).
<https://doi.org/10.3390/ijms23126730>

Indah Sari, Ema Karlina, & Bastian. (2023). The Difference In Hemoglobin Levels Is Checked Immediately And A Delay Of 2.5 Hours At Room Temperature. *Journal Health Applied Science and Technology*, 1(1), 21–25. <https://doi.org/10.52523/jhast.v1i1.5>

Inderiati, D. (2022). Upaya Peningkatan Kesehatan Warga Kelurahan Jatiwarna Pondok Melati Kota Bekasi. *Jurnal Pemberdayaan Komunitas MH Thamrin*, 4(1), 84–95. <https://doi.org/10.37012/jpkmht.v4i1.866>

Jakulj, L., van Dijk, T. H., de Boer, J. F., Kootte, R. S., Schonewille, M., Paalvast, Y., Boer, T., Bloks, V. W., Boverhof, R., Nieuwdorp, M., Beuers, U. H. W., Stroes, E. S. G., & Groen, A. K. (2016). Transintestinal Cholesterol Transport Is Active in Mice and Humans and Controls Ezetimibe-Induced Fecal Neutral Sterol Excretion. *Cell Metabolism*, 24(6), 783–794. <https://doi.org/10.1016/j.cmet.2016.10.001>

Janse Van Rensburg, W. J. (2019). Lifestyle Change Alone Sufficient to Lower

Cholesterol in Male Patient With Moderately Elevated Cholesterol: A Case Report. *American Journal of Lifestyle Medicine*, 13(2), 148–155.
<https://doi.org/10.1177/1559827618806841>

Jesch, E. D., & Carr, T. P. (2017). Food ingredients that inhibit cholesterol absorption. In *Preventive Nutrition and Food Science* (Vol. 22, Issue 2, pp. 67–80). Korean Society of Food Science and Nutrition.
<https://doi.org/10.3746/pnf.2017.22.2.67>

Kahar, H. (2005). Indonesian Journal Of Clinical Pathology And Medical Laboratory. 12(1). Kallrath, J., & Milone, E. F. (2009). *Eclipsing Binary Stars: Modeling and Analysis*. Springer
New York. <https://doi.org/10.1007/978-1-4419-0699-1>

Kementerian Kesehatan Republik Indonesia. (2018). *Laporan Riskesdas 2018 Nasional*.

Kim, C. H., Park, S. B., & Kang, H. K. (2016). Effects of Graded Levels of Rice Bran Oil on Laying Performance, Blood Parameters and Egg Yolk Cholesterol in Hy-Line Laying Hens. *Korean Journal of Poultry Science*, 43(2), 89–96. <https://doi.org/10.5536/kjps.2016.43.2.89>

Kim, E., & Goldberg, M. (1999). *Serum Cholesterol Assay Using a Stable Liebermann- Burchard Reagent*.
<https://academic.oup.com/clinchem/article/15/12/1171/5674907>

Kulkarni, S., Pierre, S. A., & Kaliaperumal, R. (2020). Efficacy of Pooled Serum Internal Quality Control in Comparison with Commercial Internal Quality Control in Clinical Biochemistry Laboratory. *Journal of Laboratory Physicians*, 12(03), 191–195. <https://doi.org/10.1055/s-0040-1721151>

Kwon, O. S., & Kim, Y. K. (2021). Are there modifiable risk factors affecting the prevalence of gallbladder polyps or those 5 mm or larger? A retrospective cross-sectional study. *Medicine (United States)*, 100(35), E27115. <https://doi.org/10.1097/MD.00000000000027115>

Lee, H. J., Lee, S. R., Choi, E. K., Han, K. Do, & Oh, S. (2019). Low Lipid Levels and High Variability are Associated With the Risk of New-Onset Atrial Fibrillation. *Journal of the American Heart Association*, 8(23).
<https://doi.org/10.1161/JAHA.119.012771>

Lee, S. Y., Slagle-Webb, B., Schengrund, C. L., Zhu, J., & Connor, J. R. (2021). Association between iron and cholesterol in neuroblastomas. *Anticancer Research*, 41(6), 2795– 2804. <https://doi.org/10.21873/anticancer.15060>

Letelier, P., Guzmán, N., Medina, G., Calcumil, L., Huencho, P., Mora, J.,

- Quiñones, F., Jara, J., Reyno, C., Farías, J. G., Belén, L. H., Brebi, P., Riquelme, I., & Martín, A. S. (2021). Workflow optimization in a clinical laboratory using lean management principles in the pre-analytical phase. *Journal of Medical Biochemistry*, 40(1), 26–32.
<https://doi.org/10.5937/jomb0-26055>
- Li, J., Li, X., Zhou, S., Wang, Y., Ying, T., Wang, Q., Wu, Y., & Zhao, F. (2023). Circular RNA circARPC1B functions as a stabilisation enhancer of Vimentin to prevent high cholesterol-induced articular cartilage degeneration. *Clinical and Translational Medicine*, 13(9).
<https://doi.org/10.1002/ctm2.1415>
- Li, L. H., Dutkiewicz, E. P., Huang, Y. C., Zhou, H. B., & Hsu, C. C. (2019). Analytical methods for cholesterol quantification. In *Journal of Food and Drug Analysis* (Vol. 27, Issue 2, pp. 375–386). Elsevier Taiwan LLC.
<https://doi.org/10.1016/j.jfda.2018.09.001>
- Li, X., Xin, Y., Mo, Y., Marozik, P., He, T., & Guo, H. (2022). The Bioavailability and Biological Activities of Phytosterols as Modulators of Cholesterol Metabolism. In *Molecules* (Vol. 27, Issue 2). MDPI.
<https://doi.org/10.3390/molecules27020523>
- Li, Z. Z., Huang, Q., Yang, X. L., Zeng, J., Wang, Q. H., Tang, H. M., Yu, Z. Q., Song, Y. Q., & Liu, Y. (2022). Cholesterol Metabolic Markers for Differential Evaluation of Patients with Hyperlipidemia and Familial Hypercholesterolemia. *Disease Markers*, 2022.
<https://doi.org/10.1155/2022/2008556>
- Lippi, G., Banfi, G., Church, S., Cornes, M., De Carli, G., Grankvist, K., Kristensen, G. B., Ibarz, M., Panteghini, M., Plebani, M., Nybo, M., Smellie, S., Zaninotto, M., & Simundic, A. M. (2015). Preanalytical quality improvement. in pursuit of harmony, on behalf of European Federation for Clinical Chemistry and Laboratory Medicine (EFLM) Working group for Preanalytical Phase (WG-PRE). In *Clinical Chemistry and Laboratory Medicine* (Vol. 53, Issue 3, pp. 357–370). Walter de Gruyter GmbH.
<https://doi.org/10.1515/cclm-2014-1051>
- Liu, S., Hosokawa, M., & Miyashita, K. (2018). Dietary Effect of Squalene on Lipid Metabolism of Obese/Diabetes KK-
<i>A</i> Mice and Wild-Type C57BL/6J Mice. *Food and Nutrition Sciences*, 09(12), 1498–1513.
<https://doi.org/10.4236/fns.2018.912108>
- Lütjohann, D., Stellaard, F., Mulder, M. T., Sijbrands, E. J. G., & Weingärtner, O. (2019). The emerging concept of “individualized cholesterol-lowering

- therapy”: A change in paradigm. In *Pharmacology and Therapeutics* (Vol. 199, pp. 111–116). Elsevier Inc.
<https://doi.org/10.1016/j.pharmthera.2019.03.004>
- MacLachlan, J., Wotherspoon, A. T. L., Ansell, R. O., & Brooks, C. J. W. (1999). *Cholesterol oxidase: sources, physical properties and analytical applications*. www.elsevier.com/locate/jsbmb
- Mao, X., Shao, J., Zhang, B., & Wang, Y. (2018). Evaluating analytical quality in clinical biochemistry laboratory using six sigma. *Biochemia Medica*, 28(2 Special Issue). <https://doi.org/10.11613/BM.2018.020904>
- May, M. (2023). *Reducing Lab Plastic and Reagent Waste*.
- Mbasani, R., Xigang, L., & Musilanga, N. (2021). Evaluation of clinical biochemical laboratory analytical process performance using sigma metrics and quality goal index. *Chinese Journal of Medical Research Chinese J Med Res*, 4(4), 71–78. www.cjmronline.com
- Mehmet, K., Aysel, H., Aysenur, A., & Serap, C. (2010). *Effects of Hemolysis Interferences on Routine Biochemistry Parameters*.
- Miftahul, O., Rafhani, M., & Diterbitkan, R. (2020). *BUKU AJAR MATA KULIAH STATISTIKA “Aplikasi di Dunia Kesehatan.”*
- Modupe, O., Krishnaswamy, K., & Diosady, L. L. (2019). Technology for Triple Fortification of Salt with Folic Acid, Iron, and Iodine. *Journal of Food Science*, 84(9), 2499–2506. <https://doi.org/10.1111/1750-3841.14730>
- Moreau, R. A., Nyström, L., Whitaker, B. D., Winkler-Moser, J. K., Baer, D. J., Gebauer, S. K., & Hicks, K. B. (2018). Phytosterols and their derivatives: Structural diversity, distribution, metabolism, analysis, and health-promoting uses. In *Progress in Lipid Research* (Vol. 70, pp. 35–61). Elsevier Ltd.
<https://doi.org/10.1016/j.plipres.2018.04.001>
- Moreno-Navarrete, J. M., Moreno, M., Ortega, F., Xifra, G., Hong, S., Asara, J. M., Serrano, J. C. E., Jové, M., Pissios, P., Blüher, M., Ricart, W., Portero-Otin, M., & Fernández-Real, J. M. (2017). TSHB mRNA is linked to cholesterol metabolism in adipose tissue. *FASEB Journal*, 31(10), 4482–4491.
<https://doi.org/10.1096/fj.201700161R>
- Morgan, A. E., Mooney, K. M., Wilkinson, S. J., Pickles, N. A., & McAuley, M. T. (2016). Cholesterol metabolism: A review of how ageing disrupts the biological mechanisms responsible for its regulation. In *Ageing Research Reviews* (Vol. 27, pp. 108–124). Elsevier Ireland Ltd.
<https://doi.org/10.1016/j.arr.2016.03.008>

- Naik, A. A., mir, S. A., kawa, I. A., Arshed, U., Khan, N. A., Bhat, J. A., Hussain, A., Kousar, S., Amin, S., Sharma, P., & Singh, H. (2023). *Inflammatory markers and increased carotid intimal thickness in asymptomatic growth hormone naive patients of Sheehan syndrome - A case control study*. <https://doi.org/10.21203/rs.3.rs-2660635/v1>
- Natsir, R. M. (2023). Deteksi Dini Faktor Risiko Penyakit Tidak Menular Pada Masyarakat di Negeri Hatumete Kecamatan Tehoru Kabupaten Maluku Tengah. *Jurnal Kreativitas Pengabdian Kepada Masyarakat (PKM)*, 6(10), 4156–4164. <https://doi.org/10.33024/jkpm.v6i10.12048>
- Nelson, D., Cox, M., & Hoskins, A. (2021). *Lehninger Principles of Biochemistry*.
- Oktay, S. B., & Ayyildiz, S. N. (2021). Assessment of analytical process performance using the Six Sigma method: A comparison of two biochemistry analyzers. *International Journal of Medical Biochemistry*, 4(2), 97–103. <https://doi.org/10.14744/ijmb.2021.14633>
- Operating Instruction Mindray BA-88A*. (2016). www.mindray.com
- Pan, J. Z., Yao, B., & Fang, Q. (2010). Hand-held photometer based on liquid-core waveguide absorption detection for nanoliter-scale samples. *Analytical Chemistry*, 82(8), 3394–3398. <https://doi.org/10.1021/ac100257z>
- Patil, M., R, A. M., & Professor, A. (2021). A study of Thyroid Function test and Lipid Profile in Pregnancy. In *1238 Indian Journal of Forensic Medicine & Toxicology* (Vol. 15, Issue 1).
- Peters, R., Xu, Y., Antikainen, R., Beckett, N., Gussekloo, J., Jagger, C., Jukema, J., Keinänen-Kiukaanniemi, S., Rydén, L., Skoog, I., Staessen, J., Thijs, L., Trompet, S., Tully, P., Tzourio, C., & Anstey, K. (2021). Evaluation of High Cholesterol and Risk of Dementia and Cognitive Decline in Older Adults Using Individual Patient Meta- Analysis. *Dementia and Geriatric Cognitive Disorders*, 50, 1–8. <https://doi.org/10.1159/000519452>
- R, K., V, R., Reddy, A. V., & S, S. (2017). ANALYSIS OF BILIARY CHOLESTEROL LEVELS IN IRON-DEFICIENT PATIENTS OPERATED FOR GALLSTONE DISEASE. *Journal of Evidence Based Medicine and Healthcare*, 4(8), 401–404. <https://doi.org/10.18410/jebmh/2017/77>
- Rachmawati, N., Yuliani, Y., Trisna, C., Anliza, S., & Yani, A. (2023). Serum Creatinine and Cystatin-C Levels in Patients Diagnosed with Kidney Disorders. *Journal of Noncommunicable Diseases Prevention and Control*,

1(2), 57–61. <https://doi.org/10.61843/jondpac.v1i2.631>

- Ribeiro, R. V., Hirani, V., Senior, A. M., Gosby, A. K., Cumming, R. G., Blyth, F. M., Naganathan, V., Waite, L. M., Handelsman, D. J., Kendig, H., Seibel, M. J., Simpson, S. J., Stanaway, F., Allman-Farinelli, M., & Le Couteur, D. G. (2017). Diet quality and its implications on the cardio-metabolic, physical and general health of older men: The Concord Health and Ageing in Men Project (CHAMP). *British Journal of Nutrition*, 118(2), 130–143. <https://doi.org/10.1017/S0007114517001738>
- Riele, R., & Co, G. &. (2010). *Operating Instructions Photometer 5010 V5+*.
- Rinaldi, S., & Mujianto, B. (2017). Bahan Ajar Teknologi Laboratorium Medis Metodologi Penelitian Dan Statistik. Kementerian Kesehatan Republik Indonesia.
- Schonewille, M., De Boer, J. F., Mele, L., Wolters, H., Bloks, V. W., Wolters, J. C., Kuivenhoven, J. A., Tietge, U. J. F., Brufau, G., & Groen, A. K. (2016). Statins increase hepatic cholesterol synthesis and stimulate fecal cholesterol elimination in mice. *Journal of Lipid Research*, 57(8), 1455–1464. <https://doi.org/10.1194/jlr.M067488>
- Sebayang, R., Andreansyah, M. A., & Lubis, A. F. (2022). Analisis Kadar Kalsium yang Diambil dengan Waktu Pemasangan Tourniquet Selama 1 Menit dan 3 Menit. *Jurnal Keperawatan Silampari*, 5(2), 1242–1248. <https://doi.org/10.31539/jks.v5i2.3852>
- Sommers, P. B., Jatlow, P. I., & Seilgson, D. (1975). Direct Determination of Total Serum Cholesterol by Use of Double-Wavelength Spectrophotometry. In *CLINICAL CHEMISTRY* (Vol. 21, Issue 6). <https://academic.oup.com/clinchem/article/21/6/703/5669033>
- Sonmez, C., Yıldız, U., Akkaya, N., & Taneli, F. (2020). Preanalytical Phase Errors: Experience of a Central Laboratory. *Cureus*. <https://doi.org/10.7759/cureus.7335>
- Steen, G., Klerk, A., Van Der Laan, K., & Eppens, E. F. (2011). Evaluation of the interference due to haemoglobin, bilirubin and lipids on Immulite 2500 assays: A practical approach. *Annals of Clinical Biochemistry*, 48(2), 170–175. <https://doi.org/10.1258/acb.2010.010187>
- Suzuki, S., Nishio, S. I., Ishii, H., Sato, A., Takeda, T., & Komatsu, M. (2012). Availability of self-recorded axillary temperature for assessment of thermic effects of food: Relationship between HDL-cholesterol level and postprandial thermoregulation in type 2 diabetic patients. *Experimental and Clinical Endocrinology and Diabetes*, 120(2), 96–

100. <https://doi.org/10.1055/s-0031-1298014>

- Syifa Afifah, T., Nurhayati, D., Riyani, A., & Kurnaeni, N. (2023). Perbedaan Stabilitas Aktivitas Enzim Alkali Fosfatase Pada Serum Dan Plasma Heparin Pada Suhu Ruang. *Jurnal Kesehatan Siliwangi*, 4(1), 206–212. <https://doi.org/10.34011/jks.v4i1.1456>
- Talbot. (2018). *Cholesterol efflux as a measure of HDL functionality in humans* [maastricht university]. <https://doi.org/10.26481/dis.20180419ct>
- Ulva, M. (2023). Edukasi Pemantapan Mutu Internal Tahap Pra-Analitik Pada Pemeriksaan Glukosa di Puskesmas Talang Pangeran Ogan Ilir. *Pengabdian Kepada Masyarakat*, 3(5), 676–682. <https://doi.org/10.25008/altifani.v3i5.476>
- Von Eckardstein, A., & Kardassis, D. (2015). *Handbook of Experimental Pharmacology 224 High Density Lipoproteins From Biological Understanding to Clinical Exploitation*. <http://www.springer.com/series/164>
- Wallin, O., Söderberg, J., Van Guelpen, B., Stenlund, H., Grankvist, K., & Brulin, C. (2010). Blood sample collection and patient identification demand improvement: A questionnaire study of preanalytical practices in hospital wards and laboratories. *Scandinavian Journal of Caring Sciences*, 24(3), 581–591. <https://doi.org/10.1111/j.1471-6712.2009.00753.x>
- Wang, H. H., Garruti, G., Liu, M., Portincasa, P., & Wang, D. Q. H. (2017). Cholesterol and lipoprotein metabolism and atherosclerosis: Recent advances in reverse cholesterol transport. *Annals of Hepatology*, 16, s27–s42. <https://doi.org/10.5604/01.3001.0010.5495>
- Wang, Y., Yin, Q., Xu, M., Ni, Q., Wang, W., & Wang, Q. (2017). BMI Modulates the Effect of Thyroid Hormone on Lipid Profile in Euthyroid Adults. *International Journal of Endocrinology*, 2017. <https://doi.org/10.1155/2017/8591986>
- Watts, G. F., Catapano, A. L., Masana, L., Zambon, A., Pirillo, A., & Tokgözoğlu, L. (2020). Hypercholesterolemia and cardiovascular disease: Focus on high cardiovascular risk patients. *Atherosclerosis Supplements*, 42, e30–e34. <https://doi.org/10.1016/j.atherosclerosissup.2021.01.006>
- Xu, D., Li, Y., Yang, F., Sun, C. R., Pan, J., Wang, L., Chen, Z. P., Fang, S. C., Yao, X., Hou, W. T., Zhou, C. Z., & Chen, Y. (2022). Structure and transport mechanism of the human cholesterol transporter ABCG1. *Cell Reports*, 38(4). <https://doi.org/10.1016/j.celrep.2022.110298>
- Xu, L., Hou, Y., Zhang, M., Yang, X., Jenkins, G., Huang, W., Yao, C., & Wu, Q. (2016). A novel electrochemical biosensor for detection of cholesterol.

Russian Journal of Electrochemistry, 52(3), 239–244.

<https://doi.org/10.1134/S1023193516030101>

- Yan, T., Zhang, G., Chai, H., Qu, L., & Zhang, X. (2021). Flexible Biosensors Based on Colorimetry, Fluorescence, and Electrochemistry for Point-of-Care Testing. In *Frontiers in Bioengineering and Biotechnology* (Vol. 9). Frontiers Media S.A. <https://doi.org/10.3389/fbioe.2021.753692>
- Ye, Y., Chen, X., Han, J., Jiang, W., Natarajan, P., & Zhao, H. (2021). Interactions Between Enhanced Polygenic Risk Scores and Lifestyle for Cardiovascular Disease, Diabetes, and Lipid Levels. *Circulation: Genomic and Precision Medicine*, 14(1), E003128. <https://doi.org/10.1161/CIRCGEN.120.003128>
- Yu, X. H., Zhang, D. W., Zheng, X. L., & Tang, C. K. (2019). Cholesterol transport system: An integrated cholesterol transport model involved in atherosclerosis. In *Progress in Lipid Research* (Vol. 73, pp. 65–91). Elsevier Ltd. <https://doi.org/10.1016/j.plipres.2018.12.002>
- Yuliandari, A., Regita, E., Safrija, W., & Purba, S. D. E. (2021). Edukasi Kesehatan Cegah Hiperkolesterolemia Berdasarkan Pola Hidup Masyarakat Kelurahan Muara Fajar Timur, Pekanbaru. *Masyarakat Berdaya Dan Inovasi*, 2, 84–89.
- Zhang, T., Chen, J., Tang, X., Luo, Q., Xu, D., & Yu, B. (2019). Interaction between adipocytes and high-density lipoprotein: new insights into the mechanism of obesity-induced dyslipidemia and atherosclerosis. In *Lipids in Health and Disease* (Vol. 18, Issue 1). BioMed Central Ltd. <https://doi.org/10.1186/s12944-019-1170-9>