

## DAFTAR PUSTAKA

- Achari, A. E., Jain, S. K. 2017. Adiponectin, a therapeutic target for obesity, diabetes, and endothelial dysfunction. *Int. J. Mol. Sci.* 18(6): 1321.
- Adamczak, M., Rzepka, E., Chudek, J., Więcek, A. 2005. Ageing and plasma adiponectin concentration in apparently healthy males and females. *Clin. Endocrinol.* 62(1): 114–118.
- Ahn, S.-Y., Gupta, C. 2018. Genetic Programming of Hypertension. *Front. Pediatr.* 5(285): 29404309.
- Al-Daghri, N. M., Al-Attas, O. S., Alokail, M. S., Alkharfy, K. M., Hussain, T., Yakout, S., Vinodson, B., Sabico, S. 2012. Adiponectin gene polymorphisms (T45G and G276T), adiponectin levels and risk for metabolic diseases in an Arab population. *Gene* 493(1): 142–147.
- Amrita, J., Mahajan, M., Bhanwer, A. J. S., Matharoo, K. 2021. Association of AdipoQ gene variation (rs1501299) and oxidative stress with cardiovascular disease in North West Indian population of Punjabi women. *J. Med. Biochem.* 40(1): 49.
- Barbe, A., Bongrani, A., Mellouk, N., Estienne, A., Kurowska, P., Grandhay, J., Elfassy, Y., Levy, R., Rak, A., Froment, P., Dupont, J. 2019. Mechanisms of adiponectin action in fertility: An overview from gametogenesis to gestation in humans and animal models in normal and pathological conditions. *Int. J. Mol. Sci.* 20(7): 1526.
- Bela, S. R. A., Djarwoto, B., Gunawan, I. M. A. 2014. Pola makan suku asli Papua dan non-Papua sebagai faktor risiko kejadian hipertensi. *Jurnal Gizi Klinik Indonesia* 10(4): 198-208.
- Boumaiza, I., Omezzine, A., Rejeb, J., Rebhi, L., Ben Rejeb, N., Nabli, N., Ben Abdelaziz, A., Boughzala, E., & Bouslama, A. (2011). Single-nucleotide polymorphisms at the adiponectin locus and risk of coronary artery disease in Tunisian coronaries. *Journal of Cardiovascular Medicine*, 12(9), 619–624. <https://doi.org/10.2459/JCM.0b013e328348f1f8>
- Boumaiza, I., Omezzine, A., Rejeb, J., Rebhi, L., Rejeb, N., Nabli, N., Abdelaziz, A., & Bouslama, A. (2011). Association between eight adiponectin polymorphisms, obesity, and metabolic syndrome parameters in Tunisian volunteers. *Metabolic Syndrome and Related Disorders*, 9(6), 419–426. <https://doi.org/10.1089/MET.2011.0035>
- Brands, M. W. (2018). Role of Insulin-Mediated Antinatriuresis in Sodium Homeostasis and Hypertension. *Hypertension*, 72(6), 1255–1262. <https://doi.org/10.1161/HYPERTENSIONAHA.118.11728>
- Burke, M., R. Pabbidi, M., Farley, J., & J. Roman, R. (2014). Molecular Mechanisms of Renal Blood Flow Autoregulation. *Current Vascular Pharmacology*, 12(6), 845–858.
- Bursac, Z., Gauss, C. H., Williams, D. K., & Hosmer, D. W. (2008). Purposeful selection of variables in logistic regression. *Source Code for Biology and Medicine*, 3, 17. <https://doi.org/10.1186/1751-0473-3-17>
- Carretero, O. A., & Oparil, S. (2000). Essential Hypertension. *Circulation*, 101(3), 329–335. <https://doi.org/10.1161/01.CIR.101.3.329>

- Chopra, S., Baby, C., Jacob, J. J. 2011. Neuro-endocrine regulation of blood pressure. *Indian J. Endocrinol. Metab.* 15:S281.
- Colafella, K. M. M., Denton, K. M. 2018. Sex-specific differences in hypertension and associated cardiovascular disease. *Nat. Rev. Nephrol.* 14(3): 185–201
- Comings, D. E., MacMurray, J. P. 2000. Molecular Heterosis: A Review. *Mol. Gen. Metab.* 71(1–2): 19–31.
- Dampney, R. A. L., Coleman, M. J., Fontes, M. A. P., Hirooka, Y., Horiuchi, J., Polson, J. W., Potts, P. D., Tagawa, T. 2001. Central mechanisms underlying short-term and long-term regulation of the cardiovascular system. *Proc. Aust. Physiol. Pharmacol. Soc.* 32(1): 1-13.
- Delacroix, S., Chokka, R. G., Worthley, S. G. 2014. Hypertension: pathophysiology and treatment. *J. Neurol. Neurophysiol.* 5(6): 1000250.
- Demir, A. K., Kaya, S. U., Şahin, Ş., Benli, İ., Bütün, İ., Erken, E., Tasliyurt, T. 2016. Single nucleotide polymorphism of adiponectin +276 G/T is associated with the susceptibility to essential hypertension in a Turkish population. *Clin. Exp. Hypertens.* 38(8): 686–690.
- Diep Nguyen, T. 2020. Adiponectin: Role in physiology and pathophysiology. *Int. J. Prev. Med.* 11(1): 136.
- Fan, W., Qu, X., Li, J., Wang, X., Bai, Y., Cao, Q., Ma, L., Zhou, X., Zhu, W., Liu, W., Ma, Q. 2017. Associations between polymorphisms of the ADIPOQ gene and hypertension risk: a systematic and meta-analysis. *Sci. Rep.* 7(1): 1–11.
- Fan, X., Xi, G., Zhao, L., Yang, K., Gao, L. 2020. Association of SNP276 polymorphism in adiponectin gene with essential hypertension in population of Shanxi region with impaired glucose regulation. *Journal of Chinese Physician* 22(1): 29–32.
- Fan, Z., Wu, G., Yue, M., Ye, J., Chen, Y., Xu, B., Shu, Z., Zhu, J., Lu, N., Tan, X. 2019. Hypertension and hypertensive left ventricular hypertrophy are associated with ACE2 genetic polymorphism. *Life Sci.* 225: 39–45.
- Félétou, M., Köhler, R., Vanhoutte, P. M. 2010. Endothelium-derived vasoactive factors and hypertension: possible roles in pathogenesis and as treatment targets. *Curr. Hypertens. Rep.* 12(4): 267–275.
- Fischer, M., Baessler, A., Schunkert, H. 2002. Renin angiotensin system and gender differences in the cardiovascular system. *Cardiovasc. Res.* 53(3): 672–677.
- Flynn, C., Bakris, G. L. 2011. Interaction between adiponectin and aldosterone. *Cardiorenal Med.* 1(2): 96–101.
- Foucan, L., Maimaitiming, S., Larifla, L., Hedreville, S., Deloumeaux, J., Joannes, M. O., Blanchet-Deverly, A., Velayoudom-Céphise, F. L., Aubert, R., Salamon, R., Donnet, J. P., Fumeron, F. 2014. Adiponectin gene variants, adiponectin isoforms and cardiometabolic risk in type 2 diabetic patients. *J. Diabetes Investig.* 5(2): 192–198.
- Fumeron, F., Aubert, R., Siddiq, A., Betoulle, D., Péan, F., Hadjadj, S., Tichet, J., Wilpart, E., Chesnier, M. C., Balkau, B., Froguel, P., Marre, M. 2004. Adiponectin gene polymorphisms and adiponectin levels are independently associated with the development of hyperglycemia during a 3-year period. *Diabetes* 53(4): 1150–1157.
- Ghadge, A. A., Khaire, A. A., Kuvalekar, A. A. 2018. Adiponectin: A potential

- therapeutic target for metabolic syndrome. *Cytokine Growth Factor Rev.* 39: 151–158.
- Ghazouani, L., Elmufti, A., Baaziz, I., Chaabane, I., Ben Mansour, H. 2018. Contribution of adiponectin polymorphisms to the risk of coronary artery disease in a North-African Tunisian population. *J. Clin. Lab. Anal.* 32(7).
- 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): 1–20.
- Gordan, R., Gwathmey, J. K., Xie, L.-H. 2015. Autonomic and endocrine control of cardiovascular function. *World J. Cardiol.* 7(4): 204.
- Grant, S. W., Hickey, G. L., Head, S. J. 2019. Statistical primer: multivariable regression considerations and pitfalls. *Eur. J. Cardiothorac Surg.* 55(2): 179–185
- Grillo, A., Salvi, L., Coruzzi, P., Salvi, P., Parati, G. 2019. Sodium Intake and Hypertension. *Nutrients* 11(9): 1970.
- Gu, H. F. 2009. Biomarkers of adiponectin: plasma protein variation and genomic DNA polymorphisms. *Biomark. Insights* 4: S3453.
- Hall, J. E., do Carmo, J. M., da Silva, A. A., Wang, Z., Hall, M. E. 2019. Obesity, kidney dysfunction and hypertension: mechanistic links. *Nat. Rev. Nephrol.* 15(6): 367–385.
- Han, T. S., Lean, M. E. J. 2015. Metabolic syndrome. *Medicine* 43(2): 80–87.
- Han, Y., Zheng, Y. li, Fan, Y. ping, Liu, M. hua, Lu, X. yan, Tao, Q. 2015. Association of adiponectin gene polymorphism 45TG with gestational diabetes mellitus diagnosed on the new IADPSG criteria, plasma adiponectin levels and adverse pregnancy outcomes. *Clin. Exp. Med.* 15(1): 47–53.
- Hart, E. C., Charkoudian, N., Wallin, B. G., Curry, T. B., Eisenach, J., Joyner, M. J. 2011. Sex and ageing differences in resting arterial pressure regulation: the role of the  $\beta$ -adrenergic receptors. *J. Physiol.* 589(21): 5285–5297.
- Hegde, S., Aeddula, N. R. 2021. *Secondary Hypertension*. StatPearls Publishing
- Hernandez-Morante, J. J., Milagro, F., Gabaldon, J. A., Martinez, J. A., Zamora, S., Garaulet, M. 2006. Effect of DHEA-sulfate on adiponectin gene expression in adipose tissue from different fat depots in morbidly obese humans. *Eur. J. Endocrinol.* 155(4): 593–600.
- Hudjashov, G., Karafet, T. M., Lawson, D. J., Downey, S., Savina, O., Sudoyo, H., Lansing, J. S., Hammer, M. F., Cox, M. P. 2017. Complex Patterns of Admixture across the Indonesian Archipelago. *Mol. Biol. Evol.* 34(10): 2439.
- Iqbal, A. M., Jamal, S. F. 2021. *Essential Hypertension*. StatPearls Publishing.
- Hanasiwi, M., Widyaning, H. 2015. Hubungan Paritas dan Pemakaian KB Hormonal dengan Usia Menopause. *Jurnal Kebidanan* 7(2): 115–222.
- Isobe, T., Saitoh, S., Takagi, S., Takeuchi, H., Chiba, Y., Katoh, N., Shimamoto, K. 2005. Influence of gender, age and renal function on plasma adiponectin level: the Tanno and Sobetsu study. *Eur. J. Endocrinol.* 153(1): 91–98.
- Ivanovic, B., Tadic, M. 2015. Hypercholesterolemia and hypertension: two sides of the same coin. *Am. J. Cardiovasc. Drugs* 15(6): 403–414.

- Jhuo, S. J., Tsai, W. C., Lee, H. C., Lin, T. H., Lee, K. T., Lai, W. Ter. 2019. Association between adiponectin T94G polymorphism and resistant hypertension in young-onset Taiwanese patients. *Gene* 689: 161–165.
- Ji, Z. Y., Li, H. F., Lei, Y., Rao, Y. W., Tan, Z. X., Liu, H. J., Yao, G. D., Hou, B., Sun, M. L. 2015. Association of adiponectin gene polymorphisms with an elevated risk of diabetic peripheral neuropathy in type 2 diabetes patients. *J. Diabetes Complications* 29(7): 887–892.
- Jian, S., Su-Mei, N., Xue, C., Jie, Z., Xue-sen, W. 2017. Association and interaction between triglyceride–glucose index and obesity on risk of hypertension in middle-aged and elderly adults. *Clin. Exp. Hypertens.* 39(8): 732–739.
- Jiang, B., Liu, Y., Liu, Y., Wang, X., Li, B. (n.d.). Association of four insulin resistance genes with type 2 diabetes mellitus and hypertension in the Chinese Han population. *Mol. Biol. Rep.* 41 (2):925-933.
- Jiang, S.-Z., Lu, W., Zong, X.-F., Ruan, H.-Y., Liu, Y. 2016. Obesity and hypertension. *Exp. Ther. Med.* 12(4): 2395.
- Jonas, K., Kopeć, G. 2019. HDL cholesterol as a marker of disease severity and prognosis in patients with pulmonary arterial hypertension. *Int. J. Mol. Sci.* 20(14):3514.
- Karthikeyan, V. J., Lip, G. Y. H. 2007. Antihypertensive treatment, adiponectin and cardiovascular risk. *J. Hum. Hypertens.* 21(1): 8–11.
- Kaur, H., Badaruddoza, B., Bains, V., Kaur, A. 2018. Genetic association of ADIPOQ gene variants (-3971A>G and +276G>T) with obesity and metabolic syndrome in north Indian punjabi population. *PLoS ONE* 13(9): e0204502 <https://doi.org/10.1371/journal.pone.0204502>
- Kementerian Kesehatan RI. 2019. Laporan Nasional RISKESDAS 2018. Lembaga Penerbit Badan Penelitian dan Pengembangan Kesehatan, Jakarta; p. 156.
- Khabour, O. F., Wehaibi, S., Al-Azzam, S., Alzoubi, K., Wehaibi, S. H., Al-Azzam, S. I., Alzoubi, K. H., El-Akawi, Z. J. 2012. Association of adiponectin with hypertension in type 2 diabetic patients: the gender effect. *Clin. Exp. Hypertens.* 35(5): 361-366.
- Kochuieva, M., Psarova, V. 2019. Particularities of metabolic indicators in patients with arterial hypertension and concomitant obesity depending on adiponectin. *East. Ukr. Med. J.* 7(3): 208–214.
- Kotsis, V., Stabouli, S., Papakatsika, S., Rizos, Z., Parati, G. 2010. Mechanisms of obesity-induced hypertension. *Hypertens. Res.* 33(5): 386–393.
- Kougias, P., Weakley, S. M., Yao, Q., Lin, P. H., Chen, C. 2010. Arterial baroreceptors in the management of systemic hypertension. *Med. Sci. Monit.* 16(1): 1-8.
- Krorakai, K., Tontipattananon, S., Leemahanil, R., Klangphukhiew, S., Wongrathanandha, C., Phaibulpanich, A., Patramanon, R. 2021. Correlation of age and sex with urine dehydroepiandrosterone sulfate level in healthy Thai volunteers. *Pract. Lab. Med.* 24: e00204.
- Leu, H.-B., Chung, C.-M., Lin, S.-J., Jong, Y.-S., Pan, W.-H., Chen, J.-W. 2011. Adiponectin gene polymorphism is selectively associated with the concomitant presence of metabolic syndrome and essential hypertension. *PLoS ONE* 6(5): e19999.

- Li, M., Zhan, A., Huang, X., Hu, L., Zhou, W., Wang, T., Zhu, L., Bao, H., Cheng, X. 2020. Positive association between triglyceride glucose index and arterial stiffness in hypertensive patients: The China H-type Hypertension Registry Study. *Cardiovasc. Diabetol.* 19(1): 139.
- Li, P., Jiang, R., Li, L., Liu, C., Yang, F., Qiu, Y. 2015. Correlation of serum adiponectin and adiponectin gene polymorphism with metabolic syndrome in Chinese adolescents. *Eur. J. Clin. Nutr.* 69(1): 62–67.
- Lima, R., Wofford, M., Reckelhoff, J. F. 2012. Hypertension in postmenopausal women. *Curr. Hypertens. Rep.* 14(3): 254.
- Lingzhong, M., Yingwei Wang, Lina Zhang, David L. McDonagh. 2018. Heterogeneity and variability in pressure autoregulation of organ blood flow: lesson learned over 100+ years. *Crit. Care Med.* 47(3): 436–448.
- Lowry, M. 2016. Orthostatic hypotension 2: the physiology of blood pressure regulation. *Nurs. Times* 112(43): 17–19.
- Maay, J. K. R., Hastuti, P., Sadewa, A. H. 2021. Correlation of E23K gena KCNJ11 polymorphism as a Risk Factor for Obesity with Type 2 Diabetes Mellitus In Jayapura, Papua. *Int. J. Res. Med. Sci.* 9(8): 2201–2209.
- Machado, J. S. R., Palei, A. C. T., Amaral, L. M., Bueno, A. C., Antonini, S. R., Duarte, G., Tanus-Santos, J. E., Sandrim, V. C., Cavalli, R. C. 2014. Polymorphisms of the adiponectin gene in gestational hypertension and pre-eclampsia. *J. Hum. Hypertens.* 28(2): 128–132.
- Maranon, R., Reckelhoff, J. F. 2013. Sex and gender differences in control of blood pressure. *Clin. Sci.* 125(7): 311.
- McNulty, H., Strain, J. J., Hughes, C. F., Ward, M. 2017. Riboflavin, MTHFR genotype and blood pressure: A personalized approach to prevention and treatment of hypertension. *Mol. Aspects Med.* 53:2–9.
- Mofarrah, M., Ziaee, S., Pilehvar-Soltanahmadi, Y., Zarghami, F., Boroumand, M., Zarghami, N. 2016. Association of KALRN, ADIPOQ, and FTO gene polymorphism in type 2 diabetic patients with coronary artery disease: Possible predisposing markers. *Coron. Artery Dis.* 27(6): 490–496.
- Mousavinasab, F., Tähtinen, T., Jokelainen, J., Koskela, P., Vanhala, M., Oikarinen, J., Keinänen-Kiukaanniemi, S., Laakso, M. 2006. Common polymorphisms (single-nucleotide polymorphisms SNP+45 and SNP+276) of the adiponectin gene regulate serum adiponectin concentrations and blood pressure in young Finnish men. *Mol. Genet. Metab.* 87(2): 147–151.
- Mus, R., Sadewa, A. H., Hastuti, P., Puspasari, A., Maharani, C., Setyawati, I. 2019. Age stratification in genetic variation of lipoprotein lipase in metabolic syndrome javanese ethnics of Indonesia. *Open Access Maced. J. Med. Sci.* 7(21): 3540–3545.
- Nussbaum, R. L., McInnes, R. R., Willard, H. F. 2016. Genetic Variation in Populations. *Thompson & Thompson Genetics in Medicine* (8th ed., pp. 155–170). Elsevier.
- Ohashi, K., Ouchi, N., Matsuzawa, Y. 2011. Adiponectin and hypertension. *Am. J. Hypertens.* 24(3): 263–269.
- Ohishi, M. 2018. Hypertension with diabetes mellitus: physiology and pathology. *Hypertens. Res.* 41(6): 389–393.



- Ong, K. L., Li, M., Tso, A. W. K., Xu, A., Cherny, S. S., Sham, P. C., Tse, H. F., Lam, T. H., Cheung, B. M. Y., Lam, K. S. L. 2010. Association of genetic variants in the adiponectin gene with adiponectin level and hypertension in Hong Kong Chinese. *Eur. J. Endocrinol.* 163(2): 251–257.
- Oparil, S., Acelajado, M. C., Bakris, G. L., Berlowitz, D. R., Cífková, R., Dominiczak, A. F., Grassi, G., Jordan, J., Poulter, N. R., Rodgers, A., Whelton, P. K. 2018. Hypertension. *Nat. Rev. Dis. Prim.* 4: (18014).
- Orlando, A., Nava, E., Giussani, M., Genovesi, S. 2019. Adiponectin and cardiovascular risk. from pathophysiology to clinic: focus on children and adolescents. *Int. J. Mol. Sci.* 20(13): 3228.
- Pasha, H. F., Mohamed, R. H., Toam, M. M., Yehia, A. M. 2019. Genetic and epigenetic modifications of adiponectin gene: Potential association with breast cancer risk. *J. Gene Med.* 21(10): e3120.
- Patel, P., Ali, N. 2017. Mechanisms involved in regulation of systemic blood pressure. *Arch. Clin. Hypertens.* 3(1): 16–20.
- Pedro, N., Brucato, N., Fernandes, V., André, M., Saag, L., Pomat, W., Besse, C., Boland, A., Deleuze, J.-F., Clarkson, C., Sudoyo, H., Metspalu, M. 2020. Papuan mitochondrial genomes and the settlement of Sahul. *J. Hum. Genet.* 65(10): 875–887.
- Prakash, J., Mittal, B., Awasthi, S., Srivastava, N. 2015. Association of adiponectin gene polymorphism with adiponectin levels and risk for insulin resistance syndrome. *Int. J. Prev. Med.* 6(31): 25949781.
- Pugach, I., Stoneking, M. 2015. Genome-wide insights into the genetic history of human populations. *Investig. Genet.* 6(1): 1–20.
- Purkait, P., Halder, K., Thakur, S., Ghosh Roy, A., Raychaudhuri, P., Bhattacharya, S., Sarkar, B. N., Naidu, J. M. 2017. Association of angiotensinogen gene SNPs and haplotypes with risk of hypertension in eastern Indian population. *Clin. Hypertens.* 23(1): 1–10.
- Purnomo, G. A., Mitchell, K. J., O'Connor, S., Kealy, S., Taufik, L., Schiller, S., Rohrlach, A., Cooper, A., Llamas, B., Sudoyo, H., Teixeira, J. C., Tobler, R. 2021. Mitogenomes reveal two major influxes of Papuan ancestry across Wallacea following the last glacial maximum and Austronesian contact. *Genes* 12(7): 965–986.
- Ragamustari, S. K., Sukara, E. 2019. Strengthening the genetic diversity conservation narrative in Indonesia: challenges and prospects. *Biodivers. Conserv* 28(7): 1647–1665.
- Refaat, M., Youssef, M. M. 2019. Biochemical studies of adiponectin gene polymorphism in patients with obesity in Egyptians Forensic biological identifications of mammal species. *Arch. Physiol. Biochem.*
- Riestra, P., Gebreab, S. Y., Xu, R., Khan, R. J., Bidulescu, A., Correa, A., Tekola-Ayele, F., Davis, S. K. 2015. Gender-specific associations between ADIPOQ gene polymorphisms and adiponectin levels and obesity in the Jackson Heart Study cohort. *BMC Med. Genet.* 16(1): 1–12.
- Rodriguez-Porcel, M., Lerman, L. O., Herrmann, J., Sawamura, T., Napoli, C., Lerman, A. 2003. Hypercholesterolemia and hypertension have synergistic deleterious effects on coronary endothelial function. *Arterioscler. Thromb.*

*Vasc. Biol.* 23(5): 885–891.

- Rovere, M. T. La, Pinna, G. D. 2014. Beneficial Effects of physical activity on baroreflex control in the elderly. *Ann. Noninvasive Electrocardiol.* 19(4): 303.
- Sari, A., Chusida, A., Kristiani, S. 2013. Perbedaan Ukuran Palatum antara Populasi Jawa dan Papua di Surabaya. *Majalah Biomorfologi* 26(2): 40–44.
- Saxena, T., Ali, A. O., Saxena, M. 2018. Pathophysiology of essential hypertension: an update. *Expert Rev. Cardiovasc. Ther.* 16(12):879–887.
- Senolinggi, M. A., Mewengkang, M., Wantania, J. 2015. Hubungan antara Usia Menarche dengan Usia Menopause pada Wanita di Kecamatan Kakas Sulawesi Utara Tahun 2014. *E-Clinic* 3(1): 138–142.
- Shaker, O. G., Ismail, M. F. 2014. Association of Genetic Variants of MTHFR, ENPP1, and ADIPOQ with myocardial infarction in Egyptian Patients. *Cell Biochem. Biophys.* 69(2): 265–274.
- Shekhar, S., Liu, R., Travis, O. K., Roman, R. J., Fan, F. 2017. Cerebral autoregulation in hypertension and ischemic stroke: a mini review. *J. Pharm. Sci. Exp. Pharmacol.* 2017(1):21.
- Sherry, S. T., Ward, M., Sirotkin, K. 1999. dbSNP—Database for Single Nucleotide Polymorphisms and Other Classes of Minor Genetic Variation. *Genome Res.* 9(8): 677–679.
- Silverman, A., Petersen, N. H. 2021. Physiology, cerebral autoregulation. *StatPearls*.
- Singh, M., Singh, A. K., Pandey, P., Chandra, S., Singh, K. A., Gambhir, I. S. 2016. Molecular genetics of essential hypertension. *Clin. Exp. Hypertens.* 38(3): 268–277.
- Song, J. J., Ma, Z., Wang, J., Chen, L. X., Zhong, J. C. 2020. Gender differences in hypertension. *J. Cardiovasc. Transl. Res.* 13(1): 47–54.
- Sookoian, S., Gianotti, T. F., González, C. D., Pirola, C. J. 2007. Association of the C-344T aldosterone synthase gene variant with essential hypertension: A meta-analysis. *J. Hypertens.* 25(1): 5–13.
- Sysling, F. 2019. The Human Wallace Line: Racial Science and Political Afterlife. *Med. Hist.* 63(3): 314–329.
- Takhshid, M. A., Haem, Z., Aboulizadeh, F. 2015. The association of circulating adiponectin and + 45 T/G polymorphism of adiponectin gene with gestational diabetes mellitus in Iranian population. *J. Diabetes Metab. Disord.* 14(1):1–7.
- Vaccaro, A., Despas, F., Delmas, C., Lairez, O., Lambert, E., Lambert, G., Labrunee, M., Guiraud, T., Esler, M., Galinier, M., Senard, J. M., Pathak, A. 2014. Direct evidences for sympathetic hyperactivity and baroreflex impairment in tako tsubo cardiopathy. *PLOS ONE* 9(3):e93278.
- Vasseur, F., Helbecque, N., Dina, C., Lobbens, S., Delannoy, V., Gaget, S., Boutin, P., Vaxillaire, M., Leprêtre, F., Dupont, S., Hara, K., Clément, K., Bihain, B., Kadowaki, T., Froguel, P. 2002. Single-nucleotide polymorphism haplotypes in the both proximal promoter and exon 3 of the APM1 gene modulate adipocyte-secreted adiponectin hormone levels and contribute to the genetic risk for type 2 diabetes in French Caucasians. *Hum. Mol. Genet.* 11(21): 2607–2614.
- Wang, Z. V., Scherer, P. E. 2008. Adiponectin, cardiovascular function, and

- hypertension. *Hypertension* 51(1): 8–14.
- Widyanti, A., Susanti, L., Satalaksana, I. Z., Muslim, K. 2015. Ethnic differences in Indonesian anthropometry data: Evidence from three different largest ethnics. *Int. J. Ind. Ergon.* 47:72–78.
- Xie, X., Shi, X., Xun, X., Rao, L. 2017. Endothelial nitric oxide synthase gene single nucleotide polymorphisms and the risk of hypertension: A meta-analysis involving 63,258 subjects. *Clin. Exp. Hypertens.* 39(2): 175–182.
- Yan, S. Q., Adi, D., Liu, C., Wang, M. M., Abuzhalihana, J., Wu, Y., Fu, Z. Y., Yang, Y. N., Li, X. M., Xie, X., Liu, F., Chen, B. D., Ma, Y. T. 2021. FBXW7 gene polymorphism is associated with type 2 diabetes in the Uygur population in Xinjiang, China. *Hereditas* 158(1).
- Yan, W., Chen, S.-F., Huang, J.-F., Shen, Y., Qiang, B.-Q., Liu, D.-H., Gu, D.-F. 2006. Common SNPs of APM1 gene are not associated with hypertension or obesity in Chinese population. *Biomed. Environ. Sci.* 19(3), 179–184.
- Yu, K. T., Maung, K. K., Thida, A., Myint, T. 2018. Single Nucleotide Polymorphism at +276 G>T of the Adiponectin Gene and Plasma Adiponectin Level in Myanmar Type 2 Diabetic Patients. *J. ASEAN Fed. Endocr. Soc.* 33(2): 160.
- Zahary, M. N., Harun, N. S., Ridzwan, N., Jumli, M. N., Rohin, M. A. K., Yahaya, R., Nik Him, N. A. S., Wan Jusoh, A. F. 2020. Increased risk of metabolic syndrome with genetic polymorphism of ADIPOQ among a Temiar population in Malaysia. *Meta Gene* 24: 100653.
- Zhang, N., Shi, Y. H., Hao, C. F., Gu, H. F., Li, Y., Zhao, Y. R., Wang, L. C., Chen, Z. J. 2008. Association of +45G15G(T/G) and +276(G/T) polymorphisms in the ADIPOQ gene with polycystic ovary syndrome among Han Chinese women. *Eur. J. Endocrinol.* 158(2): 255–260.
- Zhang, Q., Cong, M., Wang, N., Li, X., Zhang, H., Zhang, K., Jin, M., Wu, N., Qiu, C., Li, J. 2018. Association of angiotensin-converting enzyme 2 gene polymorphism and enzymatic activity with essential hypertension in different gender: A case–control study. *Medicine*, 97(42).
- Zhao, H., Pfeiffer, R., Gail, M. H. 2003. Haplotype analysis in population genetics and association studies. *Pharmacogenomics* 4(2): 171–178.
- Zheng, P. F., Yin, R. X., Guan, Y. Z., Wei, B. L., Liu, C. X., Deng, G. X. 2020. Association between SLC44A4-NOTCH4 SNPs and serum lipid levels in the Chinese Han and Maonan ethnic groups. *Nutr. Metab.* 17(1): 105–133
- Zhu, B., Wang, J., Chen, K., Yan, W., Wang, A., Wang, W., Gao, Z., Tang, X., Yan, L., Wan, Q., Luo, Z., Qin, G., Chen, L., Mu, Y. 2020. A high triglyceride glucose index is more closely associated with hypertension than lipid or glycemic parameters in elderly individuals: A cross-sectional survey from the Reaction Study. *Cardiovasc. Diabetol.* 19(1): 1–16.