

DAFTAR PUSTAKA

- Abdel Mawla, M.Y.M., Khalifa, N.A., Khater, E.S.M.G., Mohamed, A.M.M., 2022. Evaluation of the Role of Serum Interleukin-1 Beta in Patients with Atopic Dermatitis. *Egypt. J. Hosp. Med.* 87, 1748–1751. <https://doi.org/10.21608/EJHM.2022.229734>
- Amin, M.N., Siddiqui, S.A., Ibrahim, M., Hakim, M.L., Ahammed, M.S., Kabir, A., Sultana, F., 2020. Inflammatory cytokines in the pathogenesis of cardiovascular disease and cancer. *SAGE Open Med.* 8. <https://doi.org/10.1177/2050312120965752>
- Amir, O., Rogowski, O., David, M., 2010. Circulating interleukin-10: association with higher mortality in systolic heart failure patients with elevated tumor necrosis factor- α . *Isr Med Assoc J* 12, 158–62.
- Andersson, C., Schou, M., Gustafsson, F., Torp-Pedersen, C., 2022. Alcohol Intake in Patients With Cardiomyopathy and Heart Failure: Consensus and Controversy. *Circ. Hear. Fail.* 15, E009459. <https://doi.org/10.1161/CIRCHEARTFAILURE.121.009459>
- Ascott, A., Mulick, A., Yu, A.M., Prieto-Merino, D., Schmidt, M., Abuabara, K., Smeeth, L., Roberts, A., Langan, S.M., 2019. Atopic eczema and major cardiovascular outcomes: A systematic review and meta-analysis of population-based studies. *J. Allergy Clin. Immunol.* 143, 1821–1829. <https://doi.org/10.1016/j.jaci.2018.11.030>
- Ascott, A., Mulick, A., Yu, A.M., Prieto-Merino, D., Schmidt, M., Abuabara, K., Smeeth, L., Roberts, A., Langan, S.M., 2018. Atopic eczema and major cardiovascular outcomes: A systematic review and meta-analysis of population-based studies. *J Allergy Clin Immunol* 030, 1–9.
- Aukrust, P., Ueland, T., Muller, F., Andreassen, A.K., 1998. Elevated Circulating Levels of C-C Chemokines in Patients With Congestive Heart Failure. *J. Am. Hear. Assoc. Hear. Assoc.* 97, 1136–43.
- Brenninkmeijer, E.E.A., Schram, M.E., Leeftang, M.M.G., Bos, J.D., Spuls, P.I., 2008. Diagnostic criteria for atopic dermatitis: a systematic review. *Br J Dermatol.* 158, 754–65.
- Briot, A., Deraison, C., Lacroix, M., 2009. Kallikrein 5 induces atopic dermatitis-like lesions through PAR2-mediated thymic stromal lymphopoietin expression in Netherton syndrome. *J Exp Med* 206, 1135–1147.
- Chan, Y.C., Tay, Y.K., Sugito, T.L., Boediardja, S.A., Chau, D.D., Nguyen, K.V., Yee, K.C., Alias, M., Hussein, S., Dizon, M.V., Roa, F., Chan, Y.H., Wananukul, S., Kullavanijaya, P., Singalavanija, S., Cheong, W.K., 2006. A study on the knowledge, attitudes and practices of Southeast Asian dermatologists in the management of atopic dermatitis. *Ann. Acad. Med. Singapore* 35, 794–803. <https://doi.org/10.47102/annals-acadmedsg.v35n11p794>
- Chang, E., Lee, S., Song, Y., 2014. IL-34 is associated with obesity, chronic inflammation, and insulin resistance. *J Clin Endocrinol Metab* 99, E1263–E1271.
- Chen, H., Zhuo, C., Zheng, L., 2022. Assessing Causal Associations of Atopic

- Dermatitis With Heart Failure and Other Cardiovascular Outcomes: A Mendelian Randomization Study. *Front. Cardiovasc. Med.* 9, 1–8. <https://doi.org/10.3389/fcvm.2022.868850>
- Chiesa Fuxench, Z.C., Block, J.K., Boguniewicz, M., Boyle, J., Fonacier, L., Gelfand, J.M., Grayson, M.H., Margolis, D.J., Mitchell, L., Silverberg, J.I., Schwartz, L., Simpson, E.L., Ong, P.Y., 2019. Atopic Dermatitis in America Study: A Cross-Sectional Study Examining the Prevalence and Disease Burden of Atopic Dermatitis in the US Adult Population. *J. Invest. Dermatol.* 139, 583–590. <https://doi.org/10.1016/j.jid.2018.08.028>
- Criqui, M.H., Lee, E.R., Hamburger, R.N., Klauber, M.R., Coughlin, S., 1987. Ige and cardiovascular disease. Results from a population-based study. *Am. J. Med.* 82, 964–968. [https://doi.org/10.1016/0002-9343\(87\)90159-8](https://doi.org/10.1016/0002-9343(87)90159-8)
- De, D., Kanwar, A.J., Handa, S., 2006. Comparative efficacy of Hanifin and Rajka's criteria and the UK working party's diagnostic criteria in diagnosis of atopic dermatitis in a hospital setting in North India. *J Eur Acad Dermatol Venereol.* 20, 853–9.
- Dunlay, S.M., Givertz, M.M., Aguilar, D., Allen, L.A., Chan, M., Desai, A.S., Deswal, A., Dickson, V.V., Kosiborod, M.N., Lekavich, C.L., McCoy, R.G., Mentz, R.J., Piña, I.L., 2019. Type 2 diabetes mellitus and heart failure a scientific statement from the American Heart Association and the Heart Failure Society of America, *Circulation.* <https://doi.org/10.1161/CIR.0000000000000691>
- Ebong, I.A., Jr, D.C.G., Ridriguez, C.J., 2014. Mechanisms of Heart Failure in Obesity. *Obes Res Clin Pr.* 8, e540-548. <https://doi.org/10.1016/j.orcp.2013.12.005.Mechanisms>
- Eckert, L., Amand, C., Gadkari, A., Rout, R., Hudson, R., Ardern-Jones, M., 2020. Treatment patterns in UK adult patients with atopic dermatitis treated with systemic immunosuppressants: data from The Health Improvement Network (THIN). *J. Dermatolog. Treat.* 31, 815–820. <https://doi.org/10.1080/09546634.2019.1639604>
- Furue, M., Tagami, H., 2002. Japanese dermatological association criteria for the diagnosis of atopic dermatitis. *J. Dermatol.* 29, 398.
- Gu, H., Chen, X.S., Chen, K., 2001. Evaluation of diagnostic criteria for atopic dermatitis: validity of the criteria of Williams *et al* in a hospital-based setting. *Br J Dermatol.* 145, 428–33.
- Guo, Y.G., Zhang, Y., Liu, W.L., 2022. The causal relationship between allergic diseases and heart failure: Evidence from Mendelian randomization study. *PLoS One* 17, 1–12. <https://doi.org/10.1371/journal.pone.0271985>
- Gupta, M., Bell, A., Padarath, M., Ngui, D., Ezekowitz, J., 2021. Physician Perspectives on the Diagnosis and Management of Heart Failure With Preserved Ejection Fraction. *CJC Open* 3, 361–366. <https://doi.org/10.1016/j.cjco.2020.11.008>
- Guttman-Yassky, E., Krueger, J.G., Lebwohl, M.G., 2017. Systemic immune mechanisms in atopic dermatitis and psoriasis with implications for treatment. *Exp Dermatol.* 27, 409–417.
- Hanifin, J.M., Rajka, G., 1980. Diagnostic features of atopic dermatitis. *Acta Derm*

- Venereol. 92, 44–7.
- Hansson, G.K., 2009. Inflammatory mechanisms in atherosclerosis. *J. Thromb. Haemost.* 7, 328–331. <https://doi.org/10.1111/j.1538-7836.2009.03416.x>
- Hjuler, K.F., Böttcher, M., Vestergaard, C., Deleuran, M., Raaby, L., Bøtker, H.E., Iversen, L., Kragballe, K., 2015. Increased prevalence of coronary artery disease in severe psoriasis and severe atopic dermatitis. *Am J Med.* 128, 1325–1334.e2. <https://doi.org/10.1016/j.amjmed.2015.05.041>
- Ho, K.K.L., Pinsky, J.L., Kannel, W.B., Levy, D., 1993. PART II: NEW INSIGHTS INTO THE EPIDEMIOLOGY AND The Epidemiology of Heart Failure : The Framingham Study. *Jacc* 22, 6A-13A.
- Irawan, B., 2006. How Coronary Artery Disease [CAD] Develop to Acute Coronary Syndrome [ACS], in: 2nd Jogja Cardiology Update. Inna Garuda Hotel Jogjakarta.
- Ito, M., Morita, T., Okazaki, S., Koto, M., Ichikawa, Y., Takayama, R., Hoashi, T., Saeki, H., Kanda, N., 2019. Dietary habits in adult Japanese patients with atopic dermatitis. *J. Dermatol.* 46, 515–521. <https://doi.org/10.1111/1346-8138.14881>
- Ivert, L.U., Johansson, E.K., Dal, H., Lindelöf, B., Wahlgren, C.F., Bradley, M., 2019. Association between atopic dermatitis and cardiovascular disease: A nationwide register-based case-control study from Sweden. *Acta Derm. Venereol.* 99, 865–870. <https://doi.org/10.2340/00015555-3235>
- Kaburagi, Y., Shimada, Y., Nagaoka, T., Hasegawa, M., Takehara, K., Sato, S., 2001. Enhanced production of CC-chemokines (RANTES, MCP-1, MIP-1 α , MIP-1 β , and eotaxin) in patients with atopic dermatitis. *Arch. Dermatol. Res.* 293, 350–355. <https://doi.org/10.1007/s004030100230>
- Kang, K.F., Tian, R.M., 1987. Atopic dermatitis. An evaluation of clinical and laboratory findings. *Int J Dermatol.* 26, 27–32.
- Kang, S., Amagai, M., L Bruckner, A., 2019. Fitzpatrick's Dermatology, 9th ed. Mc Graw-Hill.
- Kapur, S., Watson, W., Carr, S., 2018. Atopic dermatitis. *Allergy Astma Clin Immunol* 14. [https://doi.org/10.1016/S0140-6736\(20\)31286-1](https://doi.org/10.1016/S0140-6736(20)31286-1)
- Kawasaki, H., Nagao, K., Kubo, A., 2012. Altered stratum corneum barrier and enhanced percutaneous immune responses in filaggrin-null mice. *J Allergy Clin Immunol* 129, 1538–46.
- Kenchaiah, S., 2017. The Epidemiologic Association Between Obesity and Heart Failure. *Am Coll Cardiol Ext Learn* 49, 4–6. <https://doi.org/10.4049/jimmunol.1801473>
- Kong, P., Cui, Z.Y., Huang, X.F., Zhang, D.D., Guo, R.J., Han, M., 2022. Inflammation and atherosclerosis: signaling pathways and therapeutic intervention. *Signal Transduct. Target. Ther.* 7. <https://doi.org/10.1038/s41392-022-00955-7>
- Kwa, M.C., Silverberg, J.I., 2017. Association Between Inflammatory Skin Disease and Cardiovascular and Cerebrovascular Co-Morbidities in US Adults: Analysis of Nationwide Inpatient Sample Data. *Am. J. Clin. Dermatol.* 18, 813–823. <https://doi.org/10.1007/s40257-017-0293-x>
- Landheer, J., Giovannone, B., Mattson, J., 2013. Epicutaneous application of house

- dust mite induces thymic stromal lymphopoietin in nonlesional skin of patients with atopic dermatitis. *Allergy Clin Immunol.* 132, 1252–54.
- Langan, S.M., Irvine, A.D., Weidinger, S., 2020. Atopic Dermatitis. *Lancet* 10247, 345–60.
- Levine, B., Kalman, J., 1990. Elevated circulating levels of tumor necrosis factor in severe chronic heart failure. *N Engl J Med* 323, 336–41.
- Levy, D., G, M., Vasan, R.S., Kannel, W.B., Ho, K.K.L., 1997. The progression from hypertension to heart failure. *Am. J. Hypertens.* 10. [https://doi.org/10.1016/s0895-7061\(97\)00335-x](https://doi.org/10.1016/s0895-7061(97)00335-x)
- Madiyono, B., Moeslichan, S., Sastroasmoro, S., Budiman, I., Purwanto, S.H., 2014. Perkiraan besar sampel, in: Sastroasmoro, S., Ismael, S. (Eds.), *Dasar-Dasar Metodologi Penelitian Klinis*. Sagung Seto, Jakarta, pp. 352–387.
- Madiyono, B., Putra, S.T., Nova, R., Noormanto, 2003. Upaya pencegahan penyakit jantung koroner pada anak. *Pendekatan Holistik Penyakit kardiovaskuler*. Pusat Informasi dan Penerbitan bagian IPD, FKUI, Jakarta.
- Mahmoud, R.H., Mohammed, M.A., Said, E.S., Morsi, E.M., Abdelaleem, O.O., 2021. Assessment of the cardioprotective effect of liraglutide on methotrexate induced cardiac dysfunction through suppression of inflammation and enhancement of angiogenesis in rats. *Eur. Rev. Med. Pharmacol. Sci.* 25, 6013–6024. https://doi.org/10.26355/eurev_202110_26879
- Mann, D.L., 2015. Innate immunity and the failing heart: the cytokine hypothesis revisited. *Circ Res* 116, 1254–68. <https://doi.org/10.1161/CIRCRESAHA.116.302317>.INNATE
- Matsumori, A., Yamada, T., 1994. Increased circulating cytokines in patients with myocarditis and cardiomyopathy. *Br Hear. J* 72, 561–6.
- Meerson, F., 1983. *The failing heart: adaptation and deadaptation*. Raven Press 51–52.
- Millar, A., Foley, N., Singer, M., 1989. Tumour necrosis factor in bronchopulmonary secretions of patients with adult respiratory distress syndrom. *Lancet* 2, 712–4.
- Morimoto, H., Takahashi, M., 2007. Role of monocyte chemoattractant protein-1 in myocardial infarction. *Int. J. Biomed. Sci.* 3, 159–67.
- Morizane, S., Yamasaki, K., Kajita, A., 2012. TH2 cytokines increase kallikrein 7 expression and function in patients with atopic dermatitis. *J Allergy Clin Immunol.* 130, 259–261.
- Nielsen, J., Thorolfsdottir, R., Fritsche, L., 2018. Biobank-driven genomic discovery yields new insight into atrial fibrillation biology. *Nat Genet.* 1121–30.
- Nikpay, M., Goel, A., Won, H., Hall, L., Willenborg, C., 2015. Genomes-based genome-wide association meta-analysis of coronary artery disease. *Nat Genet.* 47, 1121–30.
- Nutten, S., 2015. Atopic dermatitis: Global epidemiology and risk factors. *Ann. Nutr. Metab.* 66, 8–16. <https://doi.org/10.1159/000370220>
- Oh, G.C., Cho, H.J., 2020. Blood pressure and heart failure. *Clin. Hypertens.* 26, 1–8. <https://doi.org/10.1186/s40885-019-0132-x>
- Pandher, K., Ghamrawi, R.I., Heron, C.E., Feldman, S.R., 2022. Controversial

- cardiovascular and hematologic comorbidities in atopic dermatitis. *Arch. Dermatol. Res.* 314, 317–324. <https://doi.org/10.1007/s00403-021-02240-z>
- Peng, Wenning, Novak, N., 2015. Pathogenesis of atopic dermatitis. *Clin Exp Allergy* 45, 566–74.
- Peng, W., Novak, N., 2015. Pathogenesis of atopic dermatitis. *Clin. Exp. Allergy* 45, 566–574. <https://doi.org/10.1111/cea.12495>
- Ponikowski, P., Voors, A., Anker, S., 2016. Guidelines for the diagnosis and treatment of acute and chronic heart failure: The Task Force for the diagnosis and treatment of acute and chronic heart failure of the European Society of Cardiology (ESC) Developed with the special contribution of the Hear. *Eur Hear. J* 37, 2129–200.
- Prahasti, S.D., Fauzi, L., 2021. Risiko Kematian Pasien Gagal Jantung Kongestif: Studi Kohort Retrospektif Berbasis Rumah Sakit. *Indones. J. Public Heal. Nutr.* 1, 472–478.
- Savarese, G., Lund, H.L., 2002. Global Public Health Burden of Heart Failure. *Curr. Cardiol. Rep.* 4, 185. <https://doi.org/10.1007/s11886-002-0048-y>
- Schwinger, R.H.G., 2021. Pathophysiology of heart failure. *Cardiovasc. Diagn. Ther.* 11, 263–276. <https://doi.org/10.21037/CDT-20-302>
- Seta, Y., Shan, K., Bozkurt, B., Oral, H., Mann, D.L., 1996. Basic Mechanism in Heart Failure: The Cytokine Hypothesis. *J. Card. Fail.* 2, 243–249.
- Shalom, G., Dreier, J., Kridin, K., Horev, A., Khoury, R., Battat, E., Freud, T., Comaneshter, D., Cohen, A.D., 2019. Atopic dermatitis and the metabolic syndrome: a cross-sectional study of 116 816 patients. *J. Eur. Acad. Dermatology Venereol.* 33, 1762–1767. <https://doi.org/10.1111/jdv.15642>
- Shaw, T.E., Currie, G.P., Koudelka, C.W., Simpson, E.L., 2011. Eczema prevalence in the United States: Data from the 2003 national survey of children's health. *J Invest Dermatol.* 131, 61–73.
- Shiue, I., 2013. Are higher serum IgE concentrations associated with adult cardiovascular disease? *Int. J. Cardiol.* 168, 1580–1581. <https://doi.org/10.1016/j.ijcard.2013.01.050>
- Silverberg, J.I., 2015. Association between adult atopic dermatitis, cardiovascular disease, and increased heart attacks in three population-based studies. *Allergy Eur. J. Allergy Clin. Immunol.* 70, 1300–1308. <https://doi.org/10.1111/all.12685>
- Silverwood, R.J., Forbes, H.J., Abuabara, K., Ascott, A., Schmidt, M., Schmidt, S.A.J., Smeeth, L., Langan, S.M., 2018. Severe and predominantly active atopic eczema in adulthood and long term risk of cardiovascular disease: Population based cohort study. *BMJ* 361. <https://doi.org/10.1136/bmj.k1786>
- Simmonds, S.J., Cuijpers, I., Heymans, S., Jones, E.A.V., 2020. Cellular and Molecular Differences between HFpEF and HFrEF: A Step Ahead in an Improved Pathological Understanding. *Cells* 9. <https://doi.org/10.3390/cells9010242>
- Simpson, Eric L, Leung, D.Y.M., Eichen, L.F., Boguniewicz, M., 2017. Atopic Dermatitis, in: *Fitzpatrick's Dermatology 9th Ed.* pp. 363–381.
- Simpson, Eric L., Leung, D.Y.M., Eichenfield, L.F., Boguniewicz, M., 2017. Atopic Dermatitis, in: *Fitzpatrick's Dermatology 9th Ed.* McGraw-Hill

- Education, New York City, pp. 363–384.
- Son, Y.J., Lee, H.J., 2020. Association between persistent smoking after a diagnosis of heart failure and adverse health outcomes: A systematic review and meta-analysis. *Tob. Induc. Dis.* 18, 1–11. <https://doi.org/10.18332/tid/116411>
- Standl, M., Tesch, F., Baurecht, H., Rodríguez, E., Müller-Nurasyid, M., Gieger, C., Peters, A., Wang-Sattler, R., Prehn, C., Adamski, J., Kronenberg, F., Schulz, H., Koletzko, S., Schikowski, T., von Berg, A., Lehmann, I., Berdel, D., Heinrich, J., Schmitt, J., Weidinger, S., 2017. Association of Atopic Dermatitis with Cardiovascular Risk Factors and Diseases. *J Invest Dermatol.* 137, 1074–1081. <https://doi.org/10.1016/j.jid.2016.11.031>
- Su, V.Y.F., Chen, T.J., Yeh, C.M., Chou, K.T., Hung, M.H., Chu, S.Y., Su, K.C., Chang, Y.S., Lin, Y.H., Liu, C.J., 2014. Atopic dermatitis and risk of ischemic stroke: A nationwide population-based study. *Ann. Med.* 46, 84–89. <https://doi.org/10.3109/07853890.2013.870018>
- Suffredini, A., Fromm, R., 1989. The cardiovascular response of normal humans to the administration of endotoxin. *N Engl J Med* 321, 280–7.
- Sumimoto, S., 1992. Increased plasma tumour necrosis factor-ut concentration in atopic dermatitis. *Arch. Dis. Child.* 62, 277–279.
- Supriyono, M., 2008. Faktor-faktor risiko yang berpengaruh terhadap kejadian penyakit jantung koroner pada kelompok usia < 45 tahun. Universitas Diponegoro, Semarang.
- Suryati, R., Akib, A.A., Boediman, I., Latief, A., 2006. The prevalence of atopic dermatitis history in asthmatic children. *Pediatr. Indones.* 46, 164–69. <https://doi.org/10.14238/pi>
- Thomsen, S.F., 2014. Atopic Dermatitis: Natural History, Diagnosis, and Treatment. *ISRN Allergy.* 2014, 354250.
- Torre-Amione, G., Kapadia, S., 1996. Tumor necrosis factor-alpha and tumor necrosis factor receptors in the failing human heart. *Circulation* 93, 704–11.
- Toshitani, A., Ansel, J.C., 1993. Increased IL-6 Production by T Cells Derived from Patients with Atopic Dermatitis. *J Invest Dermatol* 100, 299–304.
- Tromp, J., Paniagua, S.M.A., Lau, E.S., Allen, N.B., Blaha, M.J., Gansevoort, R.T., Hillege, H.L., Lee, D.E., Levy, D., Ramachandran, V.S., Van Der Harst, P., Van Gilst, W.H., Larson, M.G., Shah, S.J., De Boer, R.A., Lam, C.S.P., Ho, J.E., 2021. Age dependent associations of risk factors with heart failure: Pooled population based cohort study. *BMJ* 372. <https://doi.org/10.1136/bmj.n461>
- Velagaleti, R.S., Massaro, J., Vasan, R.S., Robins, S.J., Kannel, W.B., Levy, D., 2009. Relations of lipid concentrations to heart failure incidence the framingham heart study. *Circulation* 120, 2345–2351. <https://doi.org/10.1161/CIRCULATIONAHA.109.830984>
- Vu, A., Baba, T., Chen, X., 2010. Staphylococcus aureus membrane and diacylated lipopeptide induce thymic stromal lymphopoietin in keratinocytes through the Toll-like receptor 2-Toll-like receptor 6 pathway. *J Allergy Clin Immunol* 126, 985–993.
- Williams, H., Stewart, A., von Mutius, E., 2008. Is eczema really on the increase worldwide? *J Allergy Clin Immunol* 121, 947–54.

- Xie, B., Wang, Z., Wang, Y., Liu, M., Wang, Y., 2017. Associations of obesity with newly diagnosed and previously known atopic diseases in Chinese adults: a case-control study. *Sci Rep* 7.
- Xue, W., Fan, Z., Li, L., Lu, J., Zhai, Y., Zhao, J., 2019. The chemokine system and its role in obesity. *J Cell Physiol* 234, 3336–3346.
- 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, 1–6. <https://doi.org/10.1186/s12944-019-1171-8>
- Yousaf, M., Ayasse, M., Ahmed, A., Gwillim, E.C., Janmohamed, S.R., Yousaf, A., Patel, K.R., Thyssen, J.P., Silverberg, J.I., 2022. Association between atopic dermatitis and hypertension: a systematic review and meta-analysis*. *Br. J. Dermatol.* 186, 227–235. <https://doi.org/10.1111/bjd.20661>
- Yuan, M., Cao, W.F., Xie, X.F., Zhou, H.Y., Wu, X.M., 2018. Relationship of atopic dermatitis with stroke and myocardial infarction A meta-analysis. *Med. (Baltimore)*. 97, e13512. <https://doi.org/10.1097/MD.00000000000013512>