



REFERENCES

- Amadori, A., Zamarchi, R., De Silvestro, G. et al. Genetic control of the CD4/CD8 T-cell ratio in humans. *Nat Med* 1, 1279–1283 (1995). <https://doi.org/10.1038/nm1295-1279>
- Andersen, L., Nyeland, M. E., & Nyberg, F. (2019). *Higher self reported severity of atopic dermatitis in adults is associated with poorer self reported health related quality of life in France, Germany, the UK and the US. British Journal of Dermatology.* doi:10.1111/bjd.18451
- Benn, C. S., Melbye, M., Wohlfahrt, J., Björkstén, B., & Aaby, P. (2004). Cohort study of sibling effect, infectious diseases, and risk of atopic dermatitis during first 18 months of life. *BMJ (Clinical research ed.)*, 328(7450), 1223. <https://doi.org/10.1136/bmj.38069.512245.FE>
- Bieber T. (2010). Atopic dermatitis. *Annals of dermatology*, 22(2), 125–137. <https://doi.org/10.5021/ad.2010.22.2.125>
- Biniek, K., Levi, K., & Dauskardt, R. H. (2012). Solar UV radiation reduces the barrier function of human skin. *Proceedings of the National Academy of Sciences of the United States of America*, 109(42), 17111–17116. <https://doi.org/10.1073/pnas.1206851109>
- Bodner, C., Godden, D. and Seaton, A. (1998). Family size, childhood infections and atopic diseases. The Aberdeen WHEASE Group. *Thorax*, 53(1), pp.28-32.
- Bolte, G., Bischof, W., Borte, M., Lehmann, I., Wichmann, H. E., Heinrich, J., & LISA Study Group. (2003). Early endotoxin exposure and atopy development in infants: results of a birth cohort study. *Clinical & Experimental Allergy*, 33(6), 770-776.
- Cacho, N. T., & Lawrence, R. M. (2017). Innate Immunity and Breast Milk. *Frontiers in immunology*, 8, 584. <https://doi.org/10.3389/fimmu.2017.00584>
- Ciaccio, C. E., & Gentile, D. (2013). Effects of tobacco smoke exposure in childhood on atopic diseases. *Current allergy and asthma reports*, 13(6), 687–692. <https://doi.org/10.1007/s11882-013-0389-1>
- Domenico Bonamonte, Angela Filoni, Michelangelo Vestita, Paolo Romita, Caterina Foti, Gianni Angelini, "The Role of the Environmental Risk Factors in the Pathogenesis and Clinical Outcome of Atopic Dermatitis", BioMed Research International, vol. 2019, Article ID 2450605, 11 pages, 2019. <https://doi.org/10.1155/2019/2450605>
- Egawa, M., Kohno, Y., & Kumano, Y. (1999). Oxidative effects of cigarette smoke on the human skin. *International journal of cosmetic science*, 21(2), 83-98.
- Engebretsen, K. A., Johansen, J. D., Kezic, S., Linneberg, A., & Thyssen, J. P. (2016). The effect of environmental humidity and temperature on skin barrier function and dermatitis. *Journal of the European Academy of Dermatology and Venereology*, 30(2), 223-249.



- Fotopoulos, M., Iordanidou, M., Vasileiou, E., Trypsianis, G., Chatzimichael, A., & Paraskakis, E. (2018). A short period of breastfeeding in infancy, excessive house cleaning, absence of older sibling, and passive smoking are related to more severe atopic dermatitis in children. *European Journal of Dermatology*, 28(1), 56-63.
- Immune dysregulation in atopic dermatitis. Ong PY, Leung DY. *Curr Allergy Asthma Rep.* 2006 Sep; 6(5):384-9.
- J. Vaneckova & J. Bukač (2016) The severity of atopic dermatitis and the relation to the level of total IgE, onset of atopic dermatitis and family history about atopy, Food and Agricultural Immunology, 27:5, 734-741, DOI: [10.1080/09540105.2016.1183598](https://doi.org/10.1080/09540105.2016.1183598)
- Jackson KM, Nazar AM. Breastfeeding, the immune response, and long-term health. *J Am Osteopath Assoc.* 2006 Apr;106(4):203-7. PMID: 16627775.
- Kantor, R., & Silverberg, J. I. (2017). Environmental risk factors and their role in the management of atopic dermatitis. Expert review of clinical immunology, 13(1), 15-26.
- Karmaus W., Botezan C. (2002). *J Epidemiol Community Health*. Does a higher number of siblings protect against the development of allergy and asthma? A review
- Kearney, Michael. (2017). Cramér's V. 10.4135/9781483381411.n107.
- Kelompok studi dermatologi anak Indonesia Perdoski. Panduan diagnosis dan tatalaksana dermatitis atopik di Indonesia. Perdoski. 2014;1-54
- Langan, S. M., Flohr, C., & Williams, H. C. (2007). The role of furry pets in eczema: a systematic review. *Archives of dermatology*, 143(12), 1570-1577.
- Miyake, Y., Tanaka, K. & Arakawa, M. Sibling number and prevalence of allergic disorders in pregnant Japanese women: baseline data from the Kyushu Okinawa Maternal and Child Health Study. *BMC Public Health* 11, 561 (2011). <https://doi.org/10.1186/1471-2458-11-561>
- Novak N, Kruse S, Potreck J, Maintz L, Jenneck C, Weidinger S, Fimmers R, Bieber T. *J Allergy Clin Immunol.* 2005 Apr; 115(4):828-33.)
- O'Regan GM, Sandilands A, McLean WHI, Irvine AD. Filaggrin in atopic dermatitis. *J Allergy Clin Immunol.* 2008 Oct;122(4):689-693. doi: 10.1016/j.jaci.2008.08.002. Epub 2008 Sep 5. PMID: 18774165.
- Ražnatović Durović, M., Janković, J., Tomić Spirić, V., Relić, M., Sojević Timotijević, Z., Ćirković, A., Đurić, S., & Janković, S. (2019). Does age influence the quality of life in children with atopic dermatitis?. *PloS one*, 14(11), e0224618. <https://doi.org/10.1371/journal.pone.0224618>
- Role of bacterial superantigens in atopic dermatitis : implications for future therapeutic strategies. Cardona ID, Cho SH, Leung DY. *Am J Clin Dermatol.* 2006; 7(5):273-9.
- Silverberg, J. I., & Simpson, E. L. (2014). Associations of childhood eczema severity: a US population-based study. *Dermatitis : contact, atopic, occupational, drug*, 25(3), 107–114. <https://doi.org/10.1097/DER.0000000000000034>
- Stämpfli, M. R., & Anderson, G. P. (2009). How cigarette smoke skews immune responses to promote infection, lung disease and cancer. *Nature Reviews Immunology*, 9(5), 377-384.



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- Strachan, D. P., Ait-Khaled, N., Foliaki, S., Mallol, J., Odhiambo, J., Pearce, N. & ISAAC Phase Three Study Group. (2015). Siblings, asthma, rhinoconjunctivitis and eczema: a worldwide perspective from the International Study of Asthma and Allergies in Childhood. *Clinical & Experimental Allergy*, 45(1), 126-136.
- Thomsen, S. F. (2014). *Atopic Dermatitis: Natural History, Diagnosis, and Treatment*. ISRN Allergy, 2014, 1–7. doi:10.1155/2014/354250
- Thomsen, S. F., Ulrik, C. S., Kyvik, K. O., Hjelmborg, J. v. B., Skadhauge, L. R., Steffensen, I., & Backer, V. (2007). *Importance of genetic factors in the etiology of atopic dermatitis: A twin study*. Allergy and Asthma Proceedings, 28(5), 535–539. doi:10.2500/aap2007.28.3041
- Thorsteinsdottir, S., Thyssen, J. P., Stokholm, J., Vissing, N. H., Waage, J., & Bisgaard, H. (2016). Domestic dog exposure at birth reduces the incidence of atopic dermatitis. *Allergy*, 71(12), 1736-1744.
- Zaniboni, M. C., Samorano, L. P., Orfali, R. L., & Aoki, V. (2016). Skin barrier in atopic dermatitis: beyond filaggrin. *Anais brasileiros de dermatologia*, 91(4), 472–478. <https://doi.org/10.1590/abd1806-4841.20164412>