



## DAFTAR PUSTAKA

- Aalami Harandi, S. *et al.* (2011) 'Subcision-suction method: A new successful combination therapy in treatment of atrophic acne scars and other depressed scars', *Journal of the European Academy of Dermatology and Venereology*, 25(1), pp. 92–99. doi: 10.1111/j.1468-3083.2010.03711.x.
- Agak, G. W. *et al.* (2018) 'Phenotype and Antimicrobial Activity of Th17 Cells Induced by Propionibacterium acnes Strains Associated with Healthy and Acne Skin', *Journal of Investigative Dermatology*. Society for Investigative Dermatology, 138(2), pp. 316–324. doi: 10.1016/j.jid.2017.07.842.
- Bhargava, S. *et al.* (2018) 'Acne Scarring Management: Systematic Review and Evaluation of the Evidence', *American Journal of Clinical Dermatology*. Springer International Publishing, 19(4), pp. 459–477. doi: 10.1007/s40257-018-0358-5.
- Brockmann, L. *et al.* (2017) 'Regulation of TH17 cells and associated cytokines in wound healing, tissue regeneration, and carcinogenesis', *International Journal of Molecular Sciences*, 18(5), pp. 1–16. doi: 10.3390/ijms18051033.
- Carlavan, I. *et al.* (2018) 'Atrophic scar formation in patients with acne involves long-acting immune responses with plasma cells and alteration of sebaceous glands', *British Journal of Dermatology*, 179(4), pp. 906–917. doi: 10.1111/bjd.16680.
- Connolly, D. *et al.* (2017) 'Acne scarring- pathogenesis, evaluation, and treatment options', *Journal of Clinical and Aesthetic Dermatology*, 10(9), pp. 12–23.
- Doddaballapur, S. (2009) 'Microneedling with dermaroller', *Journal of Cutaneous and Aesthetic Surgery*. Medknow Publications and Media Pvt. Ltd., 2(2), p. 110. doi: 10.4103/0974-2077.58529.
- Dreno, B. *et al.* (2006) 'ECCA grading scale: An original validated acne scar grading scale for clinical practice in dermatology', *Dermatology*, 214(1), pp. 46–51. doi: 10.1159/000096912.
- Dréno, B. (2017) 'What is new in the pathophysiology of acne, an overview', *Journal of the European Academy of Dermatology and Venereology*, 31, pp. 8–12. doi: 10.1111/jdv.14374.
- Ebrahim, A. A., Mustafa, A. I. and El-Abd, A. M. (2019) 'Serum interleukin-17 as a novel biomarker in patients with acne vulgaris', *Journal of Cosmetic Dermatology*, (February), pp. 6–10. doi: 10.1111/jocd.12934.
- El-Taweel, A. A., Salem, R. M. and El-Shimi, O. S. (2017) 'Predictive value of serum markers for postacne scarring', *Journal of Cosmetic Dermatology*, 17(3), pp. 491–494. doi: 10.1111/jocd.12402.
- Fabbrocini, G. *et al.* (2010) 'Acne scars: Pathogenesis, classification and treatment', *Dermatology Research and Practice*, 2010(1). doi: 10.1155/2010/893080.
- Gold, L. S. (2019) 'The Role of Topical Retinoids in Prevention and Treatment of Atrophic Acne Scarring: Understanding the Importance of Early Effective Treatment', (March).
- Goodman, G. J. and Baron, J. A. (2006) 'Postacne scarring: A qualitative global scarring grading system', *Dermatologic Surgery*, 32(12), pp. 1458–1466. doi:



10.1111/j.1524-4725.2006.32354.x.

- Goodman GJ (2001) 'Post-acne scarring: A short review of its pathophysiology', *Australasian Journal of Dermatology*, 42(2), pp. 84–90. doi: 10.1046/j.1440-0960.2001.00487.x.
- Gozali, M. V., Zhou, B. and Luo, D. (2015) 'Effective treatments of atrophic acne scars', *Journal of Clinical and Aesthetic Dermatology*, 8(5), pp. 33–40.
- Holland, D. B. *et al.* (2004) 'Inflammation in acne scarring: A comparison of the responses in lesions from patients prone and not prone to scar', *British Journal of Dermatology*, 150(1), pp. 72–81. doi: 10.1111/j.1365-2133.2004.05749.x.
- Jin, W. and Dong, C. (2013) 'IL-17 cytokines in immunity and inflammation', *Emerging Microbes and Infections*, 2(000), p. 0. doi: 10.1038/emi.2013.58.
- Kistowska, M. *et al.* (2015) 'Propionibacterium acnes promotes Th17 and Th17/Th1 responses in acne patients', *Journal of Investigative Dermatology*. Elsevier Masson SAS, 135(1), pp. 110–118. doi: 10.1038/jid.2014.290.
- Kravvas, G. and Al-Niaimi, F. (2018a) 'A systematic review of treatments for acne scarring. Part 2: Energy-based techniques', *Scars, Burns & Healing*, 4, p. 205951311879342. doi: 10.1177/2059513118793420.
- Kravvas, G. and Al-Niaimi, F. (2018b) 'A systematic review of treatments for acne scarring. Part 2: Energy-based techniques', *Scars, Burns & Healing*, 4, p. 205951311879342. doi: 10.1177/2059513118793420.
- Kuwabara, T. *et al.* (2017) 'The Role of IL-17 and Related Cytokines in Inflammatory Autoimmune Diseases', *Mediators of Inflammation*. Hindawi Publishing Corporation, 2017, pp. 1–11. doi: 10.1155/2017/3908061.
- Melnik, B. C. and Schmitz, G. (2009) 'Role of insulin, insulin-like growth factor-1, hyperglycaemic food and milk consumption in the pathogenesis of acne vulgaris', *Experimental Dermatology*, 18(10), pp. 833–841. doi: 10.1111/j.1600-0625.2009.00924.x.
- Moon, J. *et al.* (2019) 'Atrophic acne scar: a process from altered metabolism of elastic fibres and collagen fibres based on transforming growth factor- $\beta$ 1 signalling', *British Journal of Dermatology*, pp. 1–12. doi: 10.1111/bjd.17851.
- Murlistyarini, S. *et al.* (2018) 'Levels of IL-12, IL-17, and LL-37 in acne vulgaris', *Turkish Journal of Immunology*, 6(2), pp. 52–56. doi: 10.25002/tji.2018.761.
- Saint-Jean, M. *et al.* (2016) 'Different cutaneous innate immunity profiles in acne patients with and without atrophic scars', *European Journal of Dermatology*, 26(1), pp. 68–74. doi: 10.1684/ejd.2015.2713.
- Singh, A. and Yadav, S. (2016) 'Microneedling: Advances and widening horizons', *Indian Dermatology Online Journal*, 7(4), p. 244. doi: 10.4103/2229-5178.185468.
- Soliman, Y. S. *et al.* (2018) 'Update on acne scar treatment.', *Cutis*, 102(1), p. 21;25;47;48. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/30138491>.
- Suva, M. A. *et al.* (2014) 'A Brief Review on Acne Vulgaris: Pathogenesis, Diagnosis and Treatment', *Research & Reviews: Journal of Pharmacology*, 4(3), pp. 1–12. Available at: [www.stmjournals.com](http://www.stmjournals.com).
- Tanghetti, E. A. (2013) 'The role of inflammation in the pathology of acne', *Journal*



UNIVERSITAS  
GADJAH MADA

**PENGARUH KADAR INTERLEUKIN-17 SERUM TERHADAP DERAJAT KEPARAHAN PARUT AKNE**  
HARI PURWANTO, dr. Kristiana Etnawati, MPH, Sp.KK(K); Dr.dr. Niken Trisnowati, M.Sc., Sp.KK(K)  
Universitas Gadjah Mada, 2020 | Diunduh dari <http://etd.repository.ugm.ac.id/>

*of Clinical and Aesthetic Dermatology*, 6(9), pp. 27–35.

- Thiboutot, D. *et al.* (2009) ‘New insights into the management of acne: An update from the Global Alliance to Improve Outcomes in Acne Group’, *Journal of the American Academy of Dermatology*, 60(5 SUPPL. 1). doi: 10.1016/j.jaad.2009.01.019.
- Witowski, J., Książek, K. and Jörres, A. (2004) ‘Interleukin-17: A mediator of inflammatory responses’, *Cellular and Molecular Life Sciences*, 61(5), pp. 567–579. doi: 10.1007/s00018-003-3228-z.
- Xu, S. and Cao, X. (2010) ‘Interleukin-17 and its expanding biological functions’, *Cellular and Molecular Immunology*. Nature Publishing Group, 7(3), pp. 164–174. doi: 10.1038/cmi.2010.21.
- Yang, J. H. *et al.* (2018) ‘Expression of inflammatory and fibrogenetic markers in acne hypertrophic scar formation: focusing on role of TGF- $\beta$  and IGF-1R’, *Archives of Dermatological Research*. Springer Berlin Heidelberg, 310(8), pp. 665–673. doi: 10.1007/s00403-018-1856-2.
- Zhang, J. *et al.* (2018) ‘IL-17 Promotes Scar Formation by Inducing Macrophage Infiltration’, *American Journal of Pathology*. American Society for Investigative Pathology, 188(7), pp. 1693–1702. doi: 10.1016/j.ajpath.2018.04.005.
- Zouboulis, C. C. *et al.* (2005) ‘What is the pathogenesis of acne?’, *Experimental Dermatology*, 14(2), pp. 143–152. doi: 10.1111/j.0906-6705.2005.0285b.x.