

Literaturverzeichnis

Thema: Der adjuvante Einsatz von Hyaluronsäure in der Parodontitistherapie

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1. Hajishengallis G. (2015). Periodontitis: from microbial immune subversion to systemic inflammation. *Nature reviews. Immunology*, 15(1), 30–44.
<https://doi.org/10.1038/nri3785>
2. Bhuyan, R., Bhuyan, S. K., Mohanty, J. N., Das, S., Juliana, N., & Juliana, I. F. (2022). Periodontitis and Its Inflammatory Changes Linked to Various Systemic 35 Diseases: A Review of Its Underlying Mechanisms. *Biomedicines*, 10(10), 2659. <https://doi.org/10.3390/biomedicines10102659>
3. Hajishengallis, G., Chavakis, T., & Lambris, J. D. (2020). Current understanding of periodontal disease pathogenesis and targets for host-modulation therapy. *Periodontology 2000*, 84(1), 14–34. <https://doi.org/10.1111/prd.12331>
4. Alwithanani N. (2023). Periodontal Diseases and Heart Diseases: A Systemic Review. *Journal of pharmacy & bioallied sciences*, 15(Suppl 1), S72–S78.
https://doi.org/10.4103/jpbs.jpbs_517_22
5. Peruzzo, D. C., Benatti, B. B., Ambrosano, G. M., Nogueira-Filho, G. R., Sallum, E. A., Casati, M. Z., & Nociti, F. H., Jr (2007). A systematic review of stress and psychological factors as possible risk factors for periodontal disease. *Journal of periodontology*, 78(8), 1491–1504. <https://doi.org/10.1902/jop.2007.060371>
6. Tonetti, M. S., Van Dyke, T. E., & working group 1 of the joint EFP/AAP workshop (2013). Periodontitis and atherosclerotic cardiovascular disease: consensus report of the Joint EFP/AAP Workshop on Periodontitis and Systemic Diseases. *Journal of periodontology*, 84(4 Suppl), S24–S29.
<https://doi.org/10.1902/jop.2013.1340019>
7. Sanz, M., Herrera, D., Kebschull, M., Chapple, I., Jepsen, S., Beglundh, T., Sculean, A., Tonetti, M. S., & EFP Workshop Participants and Methodological Consultants (2020). Treatment of stage I–III periodontitis–The EFP S3 level clinical practice guideline. *Journal of clinical periodontology*, 47 Suppl 22(Suppl 22), 4–60. <https://doi.org/10.1111/jcpe.13290>
8. Lang, N. P., & Bartold, P. M. (2018). Periodontal health. *Journal of periodontology*, 89 Suppl 1, S9–S16. <https://doi.org/10.1002/JPER.16-0517>
9. Herrera, D., Matesanz, P., Martín, C., Oud, V., Feres, M., & Teughels, W. (2020). Adjunctive effect of locally delivered antimicrobials in periodontitis therapy: A systematic review and meta-analysis. *Journal of clinical periodontology*, 47 Suppl 22, 239–256. <https://doi.org/10.1111/jcpe.13230>
10. Fraser, J. R., Laurent, T. C., & Laurent, U. B. (1997). Hyaluronan: its nature, distribution, functions and turnover. *Journal of internal medicine*, 242(1), 27–33.
<https://doi.org/10.1046/j.1365-2796.1997.00170.x>

11. Pirnazar, P., Wolinsky, L., Nachnani, S., Haake, S., Pilloni, A., & Bernard, G. W. (1999). Bacteriostatic effects of hyaluronic acid. *Journal of periodontology*, 70(4), 370–374. <https://doi.org/10.1902/jop.1999.70.4.370>
12. Petrey, A. C., & de la Motte, C. A. (2014). Hyaluronan, a crucial regulator of inflammation. *Frontiers in immunology*, 5, 101. <https://doi.org/10.3389/fimmu.2014.00101>
13. Aydinyurt, H. S., Akbal, D., Altindal, D., Bozoglan, A., Ertugrul, A. S., & Demir, H. (2020). Evaluation of biochemical and clinical effects of hyaluronic acid on non-surgical periodontal treatment: a randomized controlled trial. *Irish journal of medical science*, 189(4), 1485–1494. <https://doi.org/10.1007/s11845-02002230-6>
14. Litwiniuk, M., Krejner, A., Speyrer, M. S., Gauto, A. R., & Grzela, T. (2016). Hyaluronic Acid in Inflammation and Tissue Regeneration. *Wounds: a compendium of clinical research and practice*, 28(3), 78–88.
15. Al-Shammari, N. M., Shafshak, S. M., & Ali, M. S. (2018). Effect of 0.8% Hyaluronic Acid in Conventional Treatment of Moderate to Severe Chronic Periodontitis. *The journal of contemporary dental practice*, 19(5), 527–534.
16. Yang, F., Lan, X., & Jin, Y. H. (2023). Shanghai kou qiang yi xue = Shanghai journal of stomatology, 32(6), 645–649.
17. Olszewska-Czyz, I., Kralik, K., & Prpic, J. (2021). Biomolecules in Dental Applications: Randomized, Controlled Clinical Trial Evaluating the Influence of Hyaluronic Acid Adjunctive Therapy on Clinical Parameters of Moderate Periodontitis. *Biomolecules*, 11(10), 1491. <https://doi.org/10.3390/biom11101491>
18. Al-Abbadi, R., Shemais, N., Nawwar, A., & Fawzy El-Sayed, K. M. (2025). Non-surgical periodontal therapy with and without hyaluronic acid gel in type 2 diabetic stage-II periodontitis patients: a randomized clinical trial. *BMC oral health*, 25(1), 1166. <https://doi.org/10.1186/s12903-025-06485-2>
19. Gundogdu Ezer, U., & Gunpinar, S. (2025). Local application of 0.8% hyaluronic acid gel as an adjunct to minimally invasive nonsurgical treatment of periodontal intrabony defects-A randomized clinical trial. *Journal of periodontal research*, 60(3), 215–225. <https://doi.org/10.1111/jre.13331>
20. Benyei, L., Friedmann, A., Ostermann, T., & Diehl, D. (2024). Non-surgical treatment of residual periodontal pockets using sodium hypochlorite/amino acid gel and cross-linked hyaluronic acid-a 9-month pilot randomized controlled clinical trial. *Clinical oral investigations*, 28(9), 513. <https://doi.org/10.1007/s00784024-05906-w>
21. Pilloni, A., Rojas, M. A., Trezza, C., Carere, M., De Filippis, A., Marsala, R. L., & Marini, L. (2023). Clinical effects of the adjunctive use of polynucleotide and hyaluronic acid-based gel in the subgingival re-instrumentation of residual periodontal pockets: A randomized, split-mouth clinical trial. *Journal of periodontology*, 94(3), 354–363. <https://doi.org/10.1002/JPER.22-0225>

22. Ariel, H., Kahn, A., Hila, Z. O., Anton, S., Natan, G., & Kolerman, R. (2022). A thermosensitive gel with an active hyaluronic acid ingredient that contains an octenidine preservation system as an adjunct to scaling and root planning: a randomized prospective clinical study. *Clinical oral investigations*, 26(4), 3721–3733. <https://doi.org/10.1007/s00784-021-04344-2>
23. Suvan, J., Leira, Y., Moreno Sancho, F. M., Graziani, F., Derks, J., & Tomasi, C. (2020). Subgingival instrumentation for treatment of periodontitis. A systematic review. *Journal of clinical periodontology*, 47 Suppl 22, 155–175. <https://doi.org/10.1111/jcpe.13245>
24. Pirnazar, P., Wolinsky, L., Nachnani, S., Haake, S., Piloni, A., & Bernard, G. W. (1999). Bacteriostatic effects of hyaluronic acid. *Journal of periodontology*, 70(4), 370–374. <https://doi.org/10.1902/jop.1999.70.4.370>
25. Petrey, A. C., & de la Motte, C. A. (2014). Hyaluronan, a crucial regulator of inflammation. *Frontiers in immunology*, 5, 101. <https://doi.org/10.3389/fimmu.2014.00101>
26. Litwiniuk, M., Krejner, A., Speyrer, M. S., Gauto, A. R., & Grzela, T. (2016). Hyaluronic Acid in Inflammation and Tissue Regeneration. *Wounds: a compendium of clinical research and practice*, 28(3), 78–88.