

Update Airflow-Technologie

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Dr. Nadine Strafela-Bastendorf

Dr. Klaus-Dieter Bastendorf

1. Petersilka GJ, Tunkel J, Barakos K, Heinecke A, Häberlein I, Flemmig TF (2003a): Subgingival plaque removal at interdental sites using a low abrasive air polishing powder. *Journal of Periodontology* 2003; 74: 307-311
2. Petersilka GJ, Steinmann D, Häberlein I, Heinecke A, Flemmig TF (2003b): Subgingival plaque removal in buccal and lingual sites using a novel low abrasive air-polishing powder. *Journal of Clinical Periodontology* 2003; 30: 328-333
3. Bühler J, Amato M, Weiger R, Walter C. A systematic review on the effects of air polishing devices on oral tissues. *Int J Dent Hyg.* 2016 Feb;14(1):15-28. doi: 10.1111/idh.12120. Epub 2015 Feb 17. PMID: 25690301
4. Sultan DA, Hill RG, Gillam DG: Air-Polishing in Subgingival Root Debridement: A Critical Literature Review. *Journal of Dentistry and Oral Biology* 2017; 10(2): Article 1065
5. Ng E, Byun R, Spahr A, Divnic-Resnik T. The efficacy of air polishing devices in supportive periodontal therapy: A systematic review and meta-analysis. *Quintessence Int.* 2018;49(6):453-467. doi: 10.3290/j.qi.a40341. PMID: 29700503.
6. Arefnia B, Koller M, Wimmer G, Lussi A, Haas M: In Vitro Study of Surface Changes Induced on Enamel and Cementum by different Scaling and Polishing Techniques. *Oral Health Prev Dent* 2021; 19(1):85-92. DOI: 10.3290/j.ohpd.b927695
7. Frankenhauser A: Semiquantitative plaque assessment after the application of two different tooth-polishing methods. A split mouth randomized controlled clinical. *Dissertation Universität Krems* 2020
8. Fu JHF, Wong LB, Tong HJ, Sim FS: Conventional versus comprehensive dental prophylaxis: comparing the clinical outcomes between rubber cup and air polishing and the importance of plaque disclosure. *Quintessence International* 2021, 52: 264-274
9. Noh H, Kim MJ, Park JH, Park BY, Jung JH: Comparison of the Efficiency on Biofilm Removal between AIRFLOW and Rubber Cup Polishing. Topic: Efficiency of Professional Biofilm Removal using AIRFLOW before and after Ultrasonic Calculus Removal. *Int J Dent Hygiene.* 2020; 00: 1–7. DOI: 10.1111/idh.12481
10. Flechsig C, Eick S, Kette B, Jentsch H: Subgingivale Instrumentierung mit adjuvantem Erythritol-Pulvereinsatz. *DP PARO Jahrestagung 2020 Stuttgart Poster 2*
11. Bungart C, Bucur C, Sanding KR, Schwanebeck U, Hofmann T: Effizienz einer subgingivalen niedrig abrasiven Glycin-Pulverstrahlbehandlung im Rahmen der nichtchirurgischen Parodontitistherapie - eine prospektive, randomisierte, klinisch kontrollierte, einfach verblindete Multicenterstudie. *DG-PARO 2020 Stuttgart, Kurzvorträge*
12. Cardaropoli D, Albano M, Tamagnone L, Gaveglio L: Infection control in adult periodontal patients using ultrasonics and erythritol powder: A randomized

controlled splith-mouth clinical study. Manuscript has been accepted for publication at International Journal of periodontics and restorative dentistry

13. Mensi M, Scotti E, Sordillo A, Garzetti G, Calza S: Full-Mouth-Erythritol-Pulver-Air-Polishing-Therapie (FM-EPAPT) –ein Paradigmenwechsel. Ein neues Konzept zum Biofilmmanagement prophylaxeimpuls 2017; 21: 70-79
14. Cosgarea R, Jepsen S, Fimmers R, Bodea A, Eick S, Sculean A. Clinical outcomes following periodontal surgery and root surface decontamination by erythritol-based air polishing. A randomized, controlled, clinical pilot study. *Clin Oral Investig.* 2021 Feb;25(2):627-635. doi: 10.1007/s00784-020-03533-9. Epub 2020 Aug 24. PMID: 32839833; PMCID: PMC7820077.
15. Ulvik IM, Sæthre T, Bunæs DF, Lie SA, Enersen M, Leknes KN. A 12-month randomized controlled trial evaluating erythritol air-polishing versus curette/ultrasonic debridement of mandibular furcations in supportive periodontal therapy. *BMC Oral Health.* 2021 Jan 21;21(1):38. doi: 10.1186/s12903-021-01397-3. PMID: 33478480; PMCID: PMC7819243.
16. Petersilka G, Koch R, Vomhof A, Joda T, Harks I, Arweiler N, Ehmke B: Retrospective analysis of the long-term effect of subgingival air polishing in supportive periodontal therapy. *J Periodontol.* 2020; 00:1-9. DOI: 10.1111/jcpe.13392
17. Lu Ho, Lu He, Zhao Y, Meng H: The effect of supragingival glycine air polishing on periodontitis during maintenance therapy: a randomized controlled trial. *Peer J* 2018; 6: e4371; DOI 10.7717/peerj.4371
18. Sekino S, Ogawa T, Murakashi E, Ito H, Numabe Y. Clinical and microbiological effect of frequent subgingival air polishing on periodontal conditions: a split-mouth randomized controlled trial. *Odontology.* 2020 Oct;108(4):688-696. doi: 10.1007/s10266-020-00493-0. Epub 2020 Feb 18. PMID: 32072344.