

Ausgabe: ZWP 7+8/15

Thema: Erhaltungstherapie: Niedrigabrasives Pulver auf Erythritol-Basis

Autor: Dr. Klaus-Dieter Bastendorf

Literatur

1. 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 30:328-333.
2. 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 74:307-311.
3. Hägi, TT., Hofmanner, P., Eick, S, Donnet, M., Salvi, G., Ramseier, C., Sculean, A., (2013)
Clinical outcomes following subgingival application of a novel Erythritol powder by means of air polishing in supportive periodontal therapy
Quintessence Int. 2013 N
4. Petersilka GJ, Faggion Jr CM, Stratmann U, Gerss J, Ehmke B, Häberlein I, Flemmig TF (2008):
Effect of glycine powder air-polishing on the gingiva.
Journal of Clinical Periodontology 35:324-332.
5. Wennström JL, Dahlén G, Ramberg P (2011):
Subgingival debridement of periodontal pockets by air polishing in comparison with ultrasonic instrumentation during maintenance therapy
Journal of Clinical Periodontology 38: 820-827.
6. Moëne R, Décaillot F, Andersen E, Mombelli A (2010):
Subgingival plaque removal using a new air-polishing device
Journal of Periodontology 2010, 81:79-88.
7. Black, R.:
Technic for non-mechanical preparation of cavities and prophylaxis
J Am Dent Assoc 1945: 32:955-965 ov-Dec;44(10):753-61
8. Barnes C.M. (2010):
An in depth look at air polishing
Irish Dentist 6, 30-34, (2010)
9. Pelka, M., Trautmann, S., Peschelt, A., Lohbauer, U. (2010):
Influence of air-polishing devices and abrasives on root dentin-An in vitro confocal laser scanning microscope study
Quintessenz International 2010;41:e141-148
10. Flemmig TF, Hetzel M, Topoll H, Gerss J, Häberlein I, Petersilka GF (2007):
Subgingival debridement efficacy of glycine powder air-polishing
Journal of Periodontology 78:1002-1010.
11. Flemmig TF, Arushanov D, Daubert D, Rothen M, Mueller G, Leroux BG (2012):
Randomized controlled trial assessing efficacy and safety of glycine powder air-polishing in moderate to deep periodontal pockets
Journal of Periodontology 83:444-452.
12. Müller, N., Moëne, R., Jose, A.C., Mombelli, A. (2014):
Subgingival air-polishing with erythritol during periodontal maintenance

- Randomized clinical trial of twelve months
 J Clin Periodontol 2014; doi: 10.1111/jcpe.12289
 J Clin Periodontol. 2014 Sep;41(9):883-9.
13. L.Nastri, G.Miraldi, R.Ripoli (2014):
 Treatment of peri-implantitis using an air polishing device with erythritol powder or mechanical debridement: a randomized, controlled split mouth clinical study
 Seconda Università degli Studi di Napoli, Naples, Italy Studio miraldi, Naples, Italy
 Clin Oral Impl Res 25 (suppl 10), 2014
14. E.Hashino, M. Kuboniwa, S.A.Alghamdi, M.Yamaguchi, R.Yamamoto, H.Cho, A.Anamo (2013):
 Erythritol alters microstructure and metabolomic profiles of biofilm composed of *Streptococcus gordonii* and *Porphyromonas gingivavalis*
 Molecular Oral Microbiology 28 (2013) 435-451
15. Drago L, Del Fabbro M, Bortolin M Vassena C, De Vecchi E Taschieri S (2014):
 Laboratory of Clinical Chemistry and Microbiology, IRCCS (Scientific Institute for Research, Hospitalisation and Health Care) Galeazzi Orthopaedic Institute, Milan, Italy.
 Journal of Periodontology, November, 2014, Vol. 85, No. 11 , Pages e363-e369
 (doi: 10.1902/jop.2014.140134
16. Prof. Jung et Dr.Wittmann (2013):
 University of Giessen
 Dec. 2013
17. Dr. Christoph Bourauel (2014):
 Prüfungen der Wirksamkeit (Abrasion) von Air-Flow® - Pulverapplikationen bei der Anwendung auf Zahnhartgewebeoberflächen
 University of Bonn, Germany, Institute of oral medical technology
18. Tobias T. Hägi, Sabrina Klemensberger, Riccarda Bereiter Raluca Cosgarea, Simon Flury, Adrian Lussi Anton Sculean and Sigrun Eick (2014):
 The Relative Effects of Root-Debridement on Biofilm-Removal *and* Hard- Substance- Alterations Using a New In-vitro Pocket Model.
 Department of Periodontology, University Bern, Switzerland; University of Cluj-Napoca, Cluj-Napoca, Romania
 Philips University, Marburg, Germany; Department of Preventive, Restorative and Pediatric Dentistry, University Bern, Switzerland
 Poster presentation at SSP, Zurich , Planned publication by Q1, 2015
19. DR. Wittmann GmbH & Co.KG, Zwingenberg
 Umweltlabor ACB GmbH, Münster
20. Sculean A, Bastendorf K.-D. et al:
 A paradigm shift in mechanical biofilm management? Subgingival air polishing: a new way to improve mechanical biofilm management in the dental practice. Quintessence International Volume 44, Number 7, July/August 2013