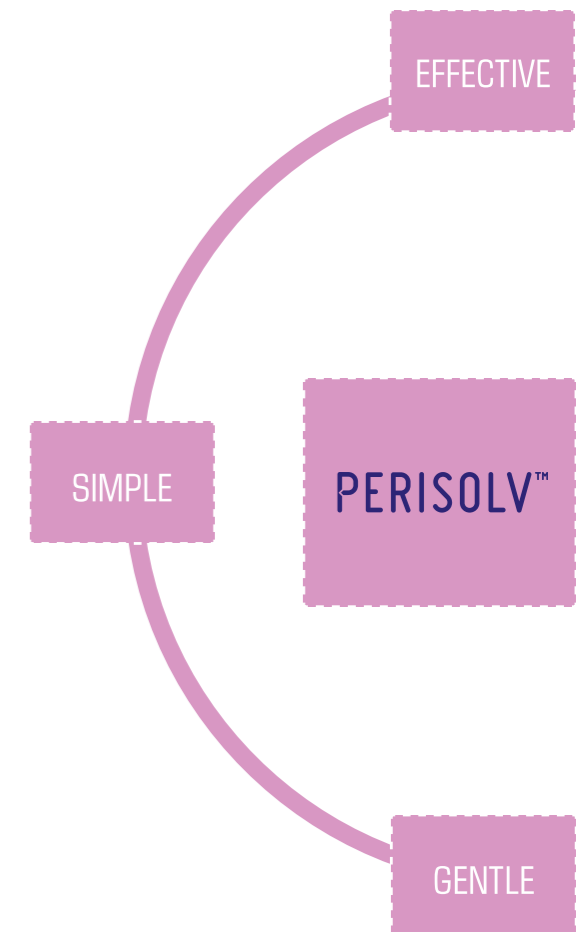


PERISOLV®

Cleaning Agent with Antibacterial Effect



REFERENCES

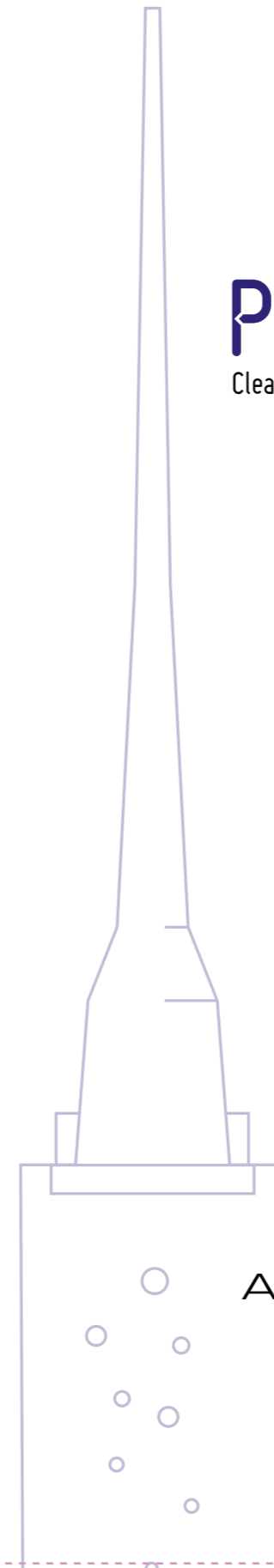
- 1) Marcinkiewicz J, Kontry E. 'Taurine and inflammatory diseases.' Amino acids, 46:7-20, 2014
- 2) Case study, data on file at Rubicon Life Science
- 3) Arvidson A. 'On surface mediated interactions related to chemo-mechanical caries removal: Effects surrounding tissues and materials' Thesis (ISBN: 91-628-5882), University of Gothenburg, Sweden, 2003
- 4) Tonami K et al. 'Effects of chloramines and sodium hypochlorite on carious dentin.' J Med Dent Sci. 2003 Jun;50(2):139-46.
- 5) Haning M. 'Effect of Carisolv solution on sound, demineralized and denatured dentin—an ultrastructural investigation.' Clin Oral Investig. 1999 Sep;3(3):155-9.
- 6) Verma SJ, Gohil MH. 'Scanning electron microscopy study to analyse the morphological characteristics of root surfaces after application of Carisolv gel in association with scaling and root planning: in vitro' . J India Soc Period 2012 16 (3): 329-32
- 7) Grisi DC et al. 'Scanning Electron Microscopic Analysis of the Effect of Carisolv™ Gel on Periodontally Compromised Human Root Surfaces' Braz. Dent J 2006; 17(2):110-116
- 8) Hawkins CL et al. 'Hypochlorite-induced oxidation of amino acids, peptides and proteins.' Amino acids 25: 259-274, 2003
- 9) Gottardi W et al. 'N-Chloramines, a Promising Class of Well-Tolerated Topical Anti- Infectives' Antimicrobial Agents and Chemotherapy. 57(3):1107–1114, 2013.
- 10) Gottardi W, Nagl M. 'N-Chlorotaurine, a natural antiseptic with outstanding tolerability' J Antimicrob Chemother; 6: 1-11, 2010

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A SMART WAY TO TREAT
PERIODONTAL POCKETS



Making treatment of periodontal disease simple, effective and gentle

Effective

The active ingredients of Perisolv® exert its antimicrobial properties¹ and help preventing a breeding ground for forming of both aerobic and anaerobic bacteria. Perisolv® only affects degenerated tissue and leaves fresh tissue completely intact.

Gentle

The biochemical content of Perisolv® contributes to better cleaning of the root surface and surrounding tissue by softening degenerated tissue, which can be removed from the periodontal pocket by scaling and root planing. This can lead to a gentle treatment for patient and practitioner, and the treatment outcome might be improved.

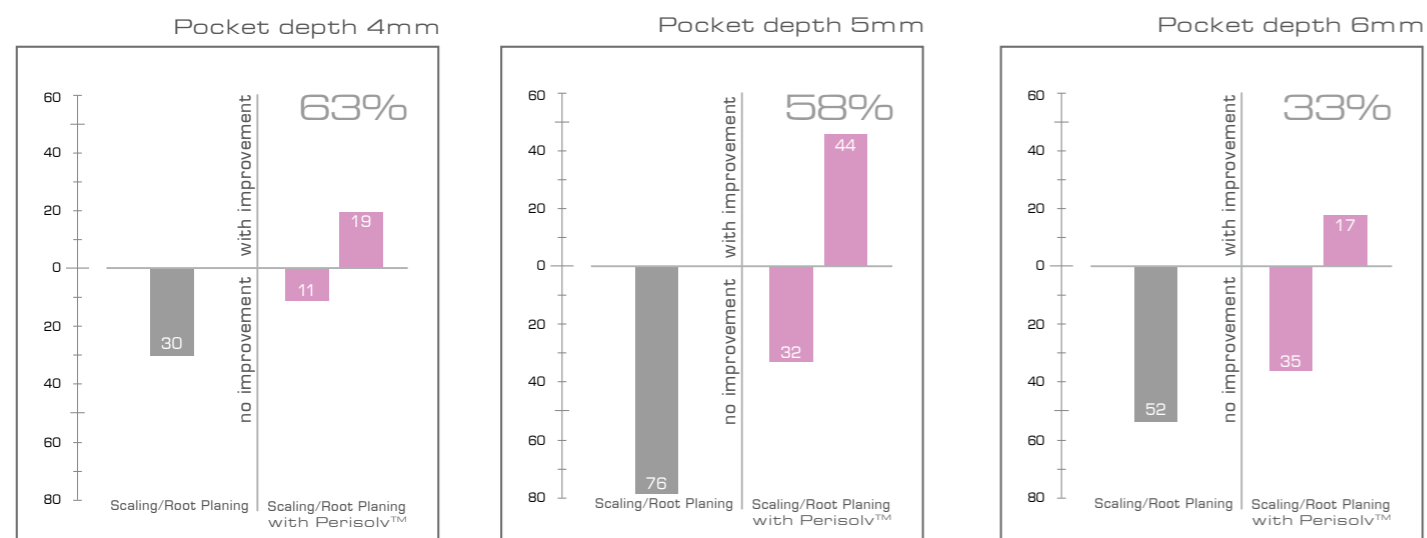
Simple

Simply applied: activate, apply and start with the treatment after 30 seconds. The application of Perisolv® makes scaling and root planing gentler for the patient and easier for the dental hygienist as the friction between the root surface and hand-held instrument is reduced.

Over 50% of treated cases showing improvements after treatment with Perisolv®²

15 patients with overall 158 deep periodontal pockets of 4-6 mm that over the years have neither shown reduction nor progression in the pocket depths were included. The periodontal pockets were treated with Perisolv® and followed by a scaling and root planing procedure using a standard protocol².

In total 51% of the periodontal pockets the clinical situation could be improved by means of reduction of the pocket depths with an average of 1-2 mm. Significant improvements were observed for different initial pocket depths (initial PD 4 mm: 63 %; PD 5 mm: 58 %; PD 6 mm: 33 %).



Straight forward application leading to simplified and high efficient treatment

Softens degenerated tissue

The application of Perisolv® has the effect of softening degenerated tissue without affecting healthy tissue^{3,4,5}. It makes scaling and root planing gentler for the patient and simpler for the dental hygienist^{6,7} as the friction between the root surface and hand-held instrument is reduced. The biochemical content of Perisolv® contributes to better cleaning of the root surface and surrounding tissue.



Clinical photography used with permission from Camilla Löven, Dental hygienist, Stockholm.



Designed to eliminate bacteria

Perisolv® is composed of a hypochlorite (NaOCl) solution which is buffered with a solution of different amino acids. The mixture results in a formation of chloramines⁸ which have a general antibacterial effect. It works through penetration of the bacteria cell wall^{1,9,10} and blocking the bacterial metabolism^{1,9,10}. Thanks to this effect the treatment efficiency can be improved. The gel is non-toxic and completely environmentally friendly.

Straight forward use

Perisolv® is used on a non-surgical way to improve the work and result of scaling and root planing. The straight forward application can be easily implemented in the standard

protocol by applying Perisolv® into the pocket(s) to be treated. Perisolv® only needs 30 seconds to act until the facilitated scaling and root procedure can be performed.

