1

PHILIPS sonicare

Florida Probe VoiceWorks™ VOICE-CONTROLLED PERIO CHARTING

PERIOSCIENCES®

EMS

ProBiora Health™

2

Never accept the following logic:
we're doing it this way because that's how we've always done it, or we're not doing it because we've never done it…

Barry Gibbons, Former CEO, Burger King

3

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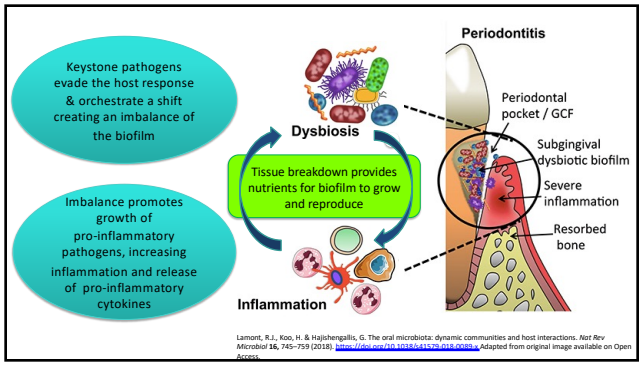

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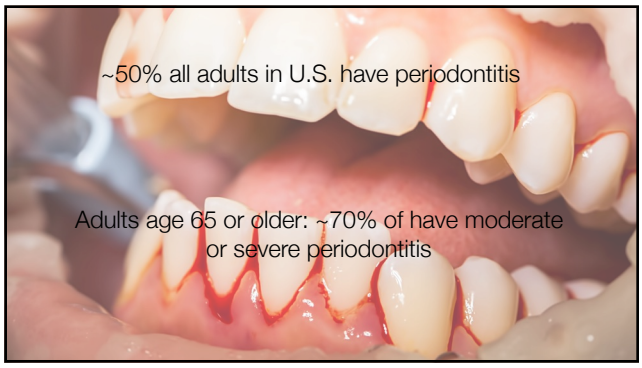

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A Crisis of Disease...

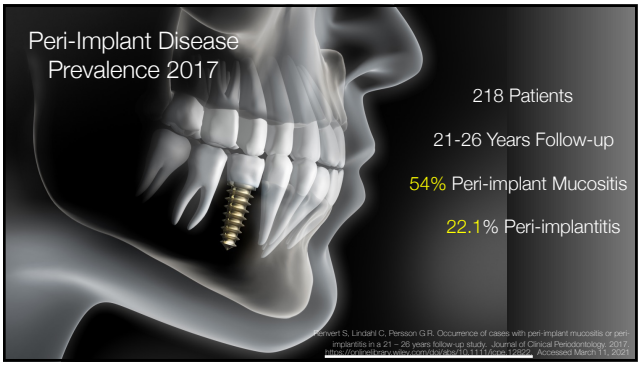
What percentage of your patients have bleeding with probing or instrumentation?

8

A Crisis of Disease...

What percentage of your patients have bleeding around implants?

9



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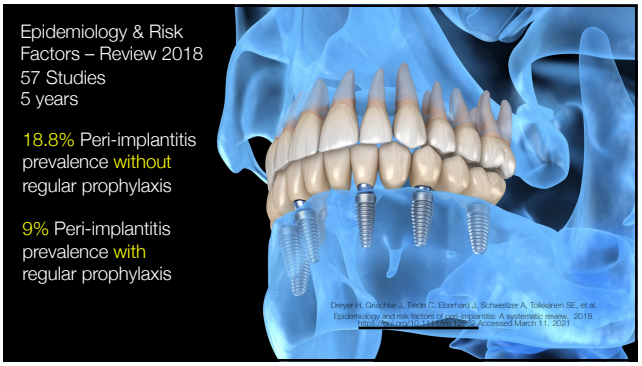

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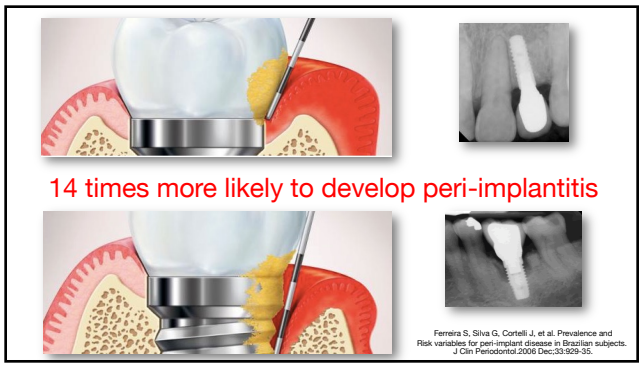

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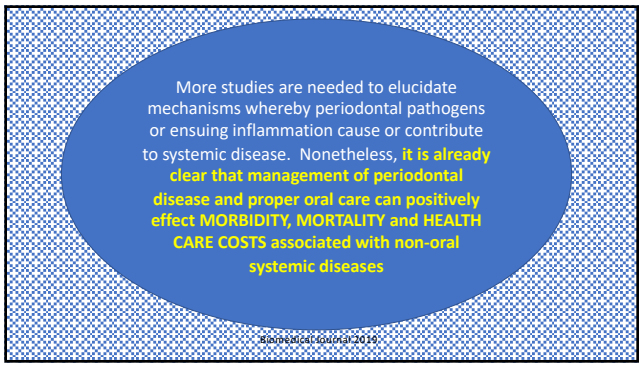

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If pathogenic, dysbiotic biofilm is a driver of oral and systemic diseases...
Is it time we shift our focus?

Is it time we shift our methods?

17

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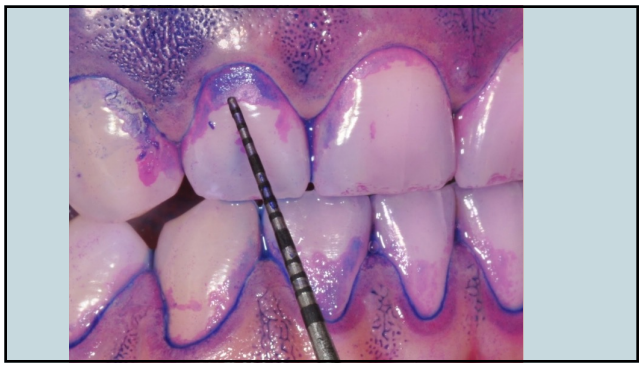

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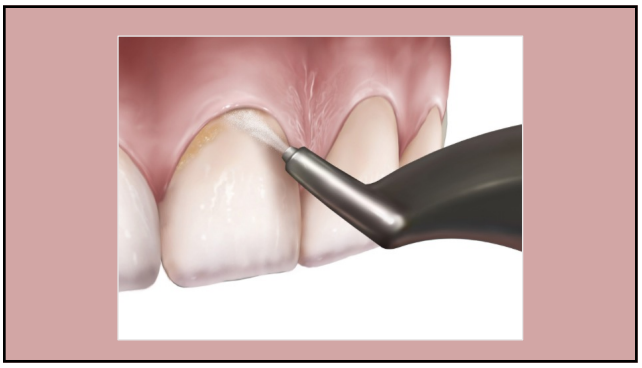

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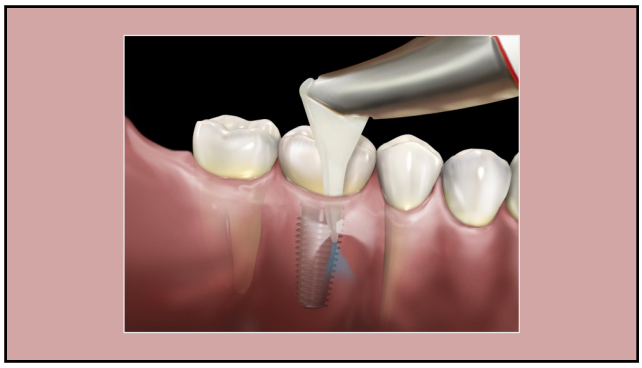

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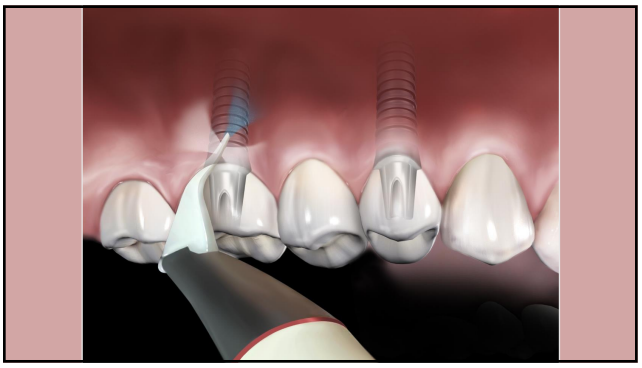

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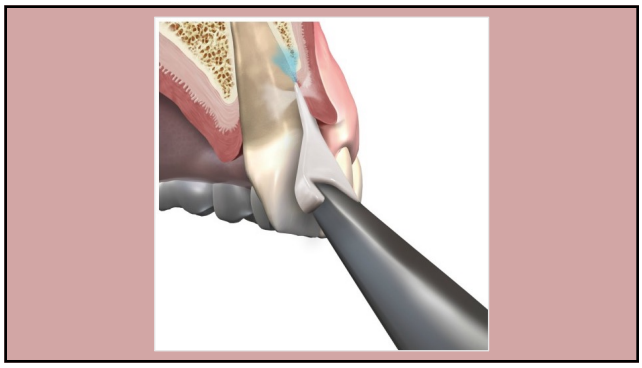

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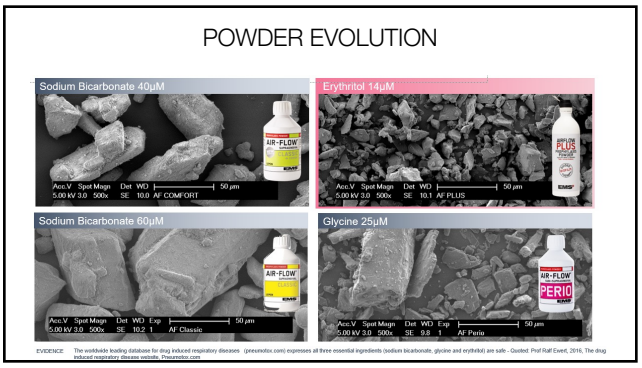

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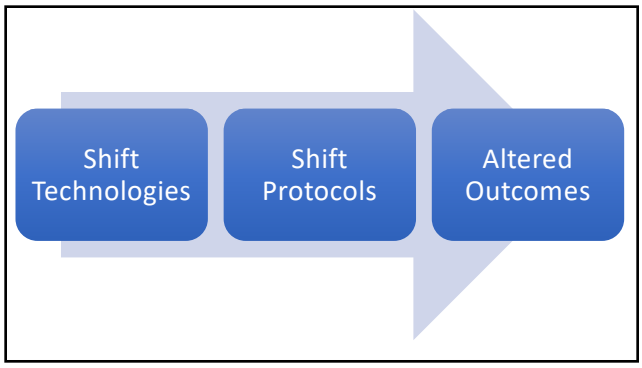

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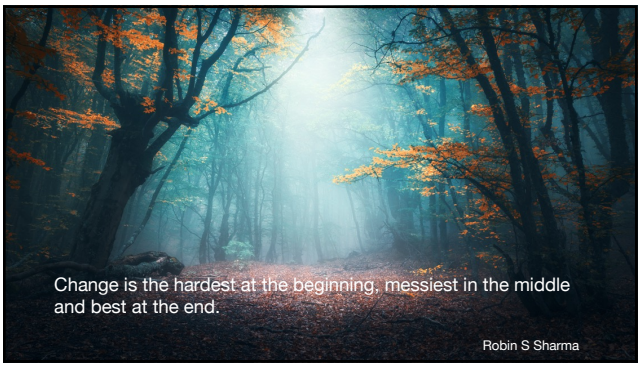

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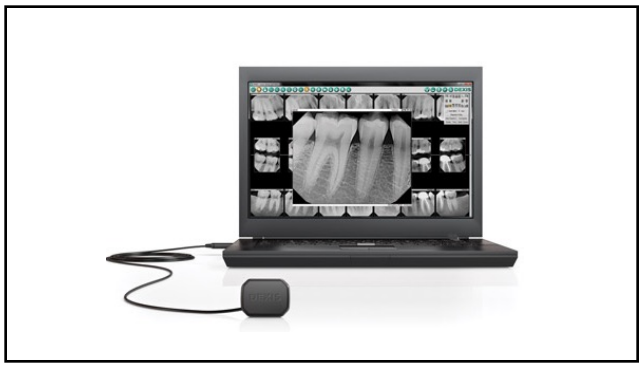

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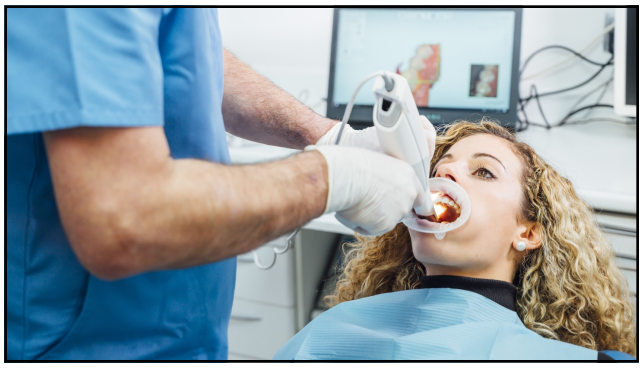

30

31

Magical...

Photos courtesy Prof. Magda Menzi

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33

34

AIRFLOW® Prophylaxis Master

Heated water for patient comfort

Large powder chambers

360-degree Bluetooth wireless foot pedal

30% Boost feature for harder deposits or stains

Piezon handpiece LED light

Lightweight & ergonomic design

Evidence...

35

microorganisms MDPI

Review

Novel Approach to Dental Biofilm Management through Guided Biofilm Therapy (GBT): A Review

"It is beneficial in removing the biofilm around the tooth and implant structures, resulting in better or comparable clinical outcomes than SRP. These results were substantiated with the reduction in the microbial load as well as the reduction in the inflammatory cytokines."

Shrivastava D, Natoli V, Srivastava KC, Alzoubi IA, Nagy AI, Hamza MO, Al-Johani K, Alam MK, Khurshid Z. Novel Approach to Dental Biofilm Management through Guided Biofilm Therapy (GBT): A Review. Microorganisms. 2021 Sep 16;9(9):1966. doi: 10.3390/microorganisms9091966. PMID: 34576863; PMCID: PMC8468826.

36

Randomized, controlled, split-mouth clinical study:
TREATING PERI-IMPLANTITIS

10 pts. Moderate. contralateral peri-implantitis

PerioFlow PLUS 7 sec. per site / Unlimited time w/ Teflon curettes & EMS PEEK tip

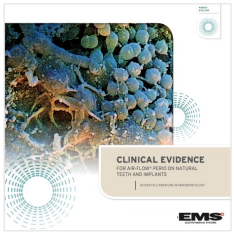
3 mo. Modified Gingival Index (MGI) reduced both groups

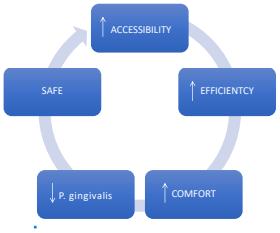
Treatment time: 3.25 min. PerioFlow PLUS / 13.50 min. Mechanical instrumentation

Nastri L, Miraldi G, Ripoli R. Treatment of peri-implantitis using an air polishing device with erythritol powder or mechanical debridement: a randomized, controlled Split mouth clinical study. Clinical Oral Implant Research 2014

37

A Paradigm Shift in Mechanical Biofilm Management? Subgingival Air Polishing: A New Way to Improve Mechanical Biofilm Management in the Dental Practice Quintessence International 2013





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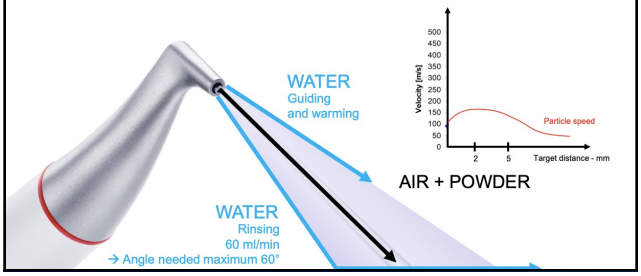
Water ~100% / Erythritol PLUS powder ~30%



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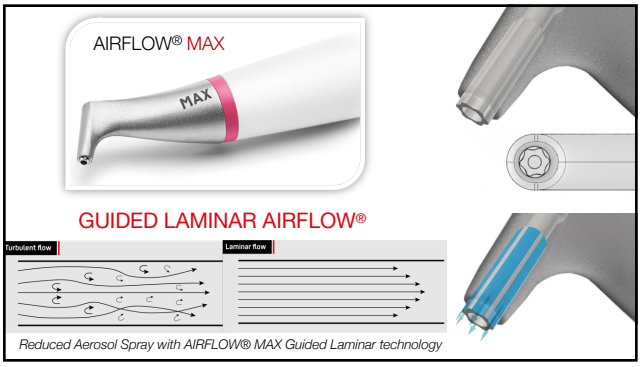


41

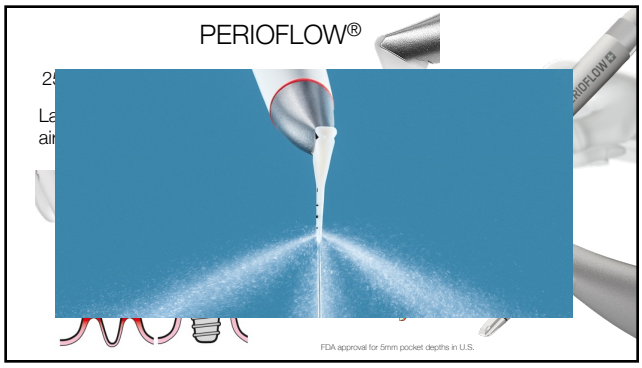
AIRFLOW® MAX

- Higher acceleration of the particles
- 32% wider treatment surface
- Increased efficiency
- Reduced weight (30%) & noise (3X's)

42

AIRFLOW® MAX

43



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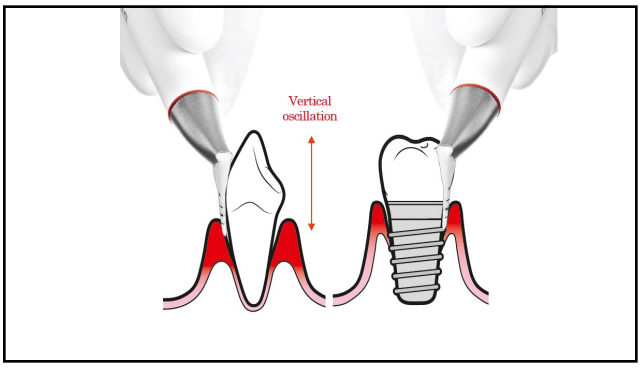

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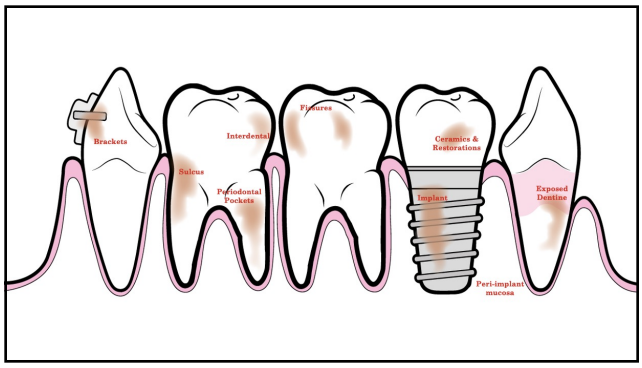

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Why Remove Biofilm First?

47

Why Remove Biofilm First?

48

Minimally-invasive

Maximally protective

49

Subgingival Debridement Efficacy of Glycine Powder Air

Thomas F. Flemmig,*† Marc Hetzel,‡ Heinz Top
and Gregor Petersilka†¶

J Periodontol • June 2007

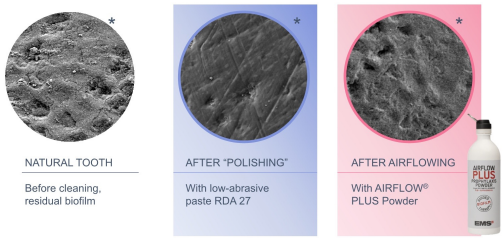
SPT.[7] It also indicates that the requirements for subgingival instrumentation in initial and supportive periodontal therapy are distinct with respect to abrasiveness. In initial therapy, highly abrasive instruments such as curets or sonic or ultrasonic scalers are needed for the ablation of hard and tenacious subgingival calculus. In SPT, the abrasiveness of the instrumentation method used should ideally be just high enough for biofilm removal, but low enough to mitigate any deleterious effects to the tooth surfaces and adjacent soft tissues. Abrasion on tooth surfaces might become substantial over time when the cumulative effects of repeated instrumentation in SPT are considered.[8–10]

With the goal of establishing an efficient and safe technique for subgingival biofilm removal in SPT, a low-abrasive glycine powder# was developed for use in commercially available injection abrasive water jets, also known as air polishing devices. Compared to so-

Photo: courtesy Magda Mensi

50

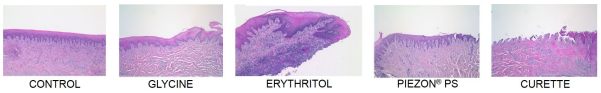
Ever Wonder What Polishing Pastes Do to the Surface?



*Tooth enamel x 2000

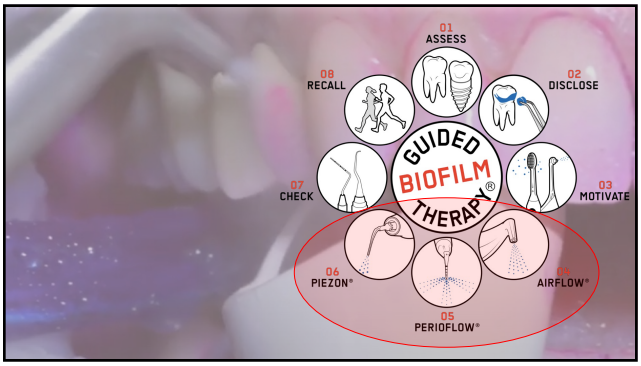
51

Ever Wonder What Treatment Does to the Tissue?



Clin Oral Investig. 2018 Sep;22(7):2669-2673. Evaluation of an ex vivo porcine model to investigate the effect of low abrasive airpolishing.
PetersilkaG, HeckelR, Koch R, Ehmke B, AnweilerN.

52



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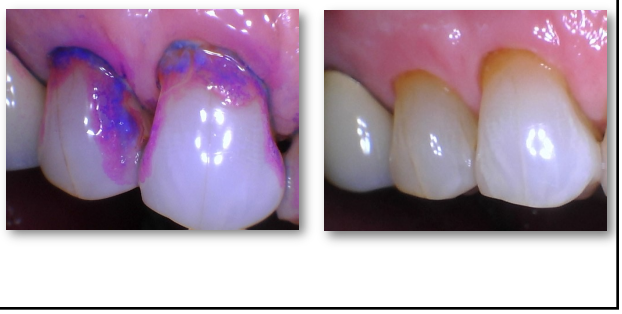

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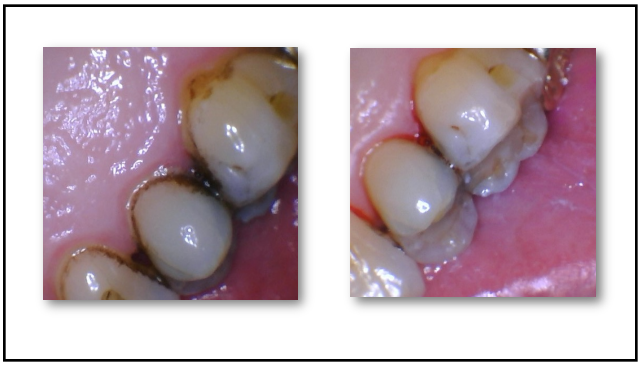

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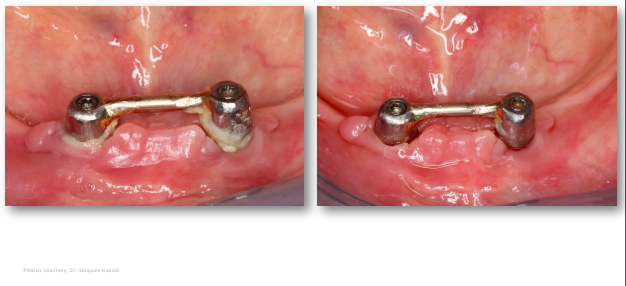

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Photos courtesy Prof. Magda Menzi

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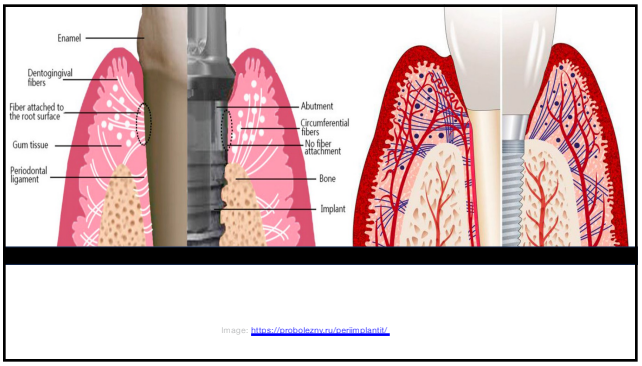

Image: https://proboleznv.ru/perimplantit/

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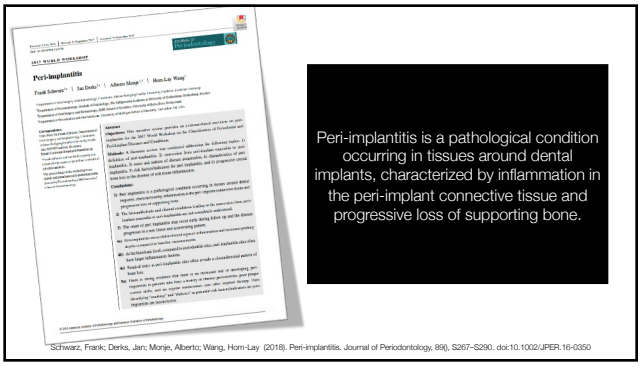

Peri-implantitis

Frank Schwarz[1] | Jan Derks[2] | Alberto Monje[3,4] | Hom-Lay Wang[4]

Peri-implantitis is a pathological condition occurring in tissues around dental implants, characterized by inflammation in the peri-implant connective tissue and progressive loss of supporting bone.

Schwarz, Frank; Derks, Jan; Monje, Alberto; Wang, Hom-Lay (2018). Peri-implantitis. Journal of Periodontology, 89(), S267–S290. doi:10.1002/JPER.16-0350

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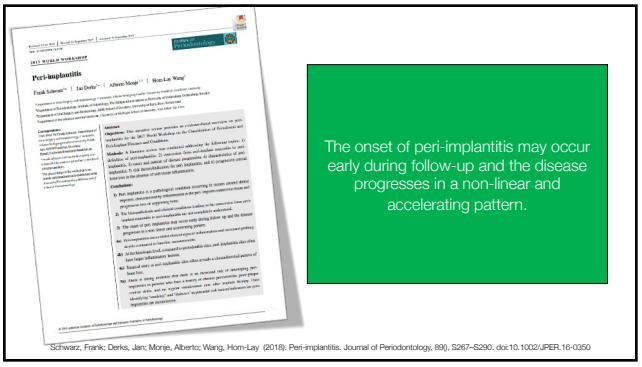

Peri-implantitis

Frank Schwarz[1] | Jan Derks[2] | Alberto Monje[3,4] | Hom-Lay Wang[4]

The onset of peri-implantitis may occur early during follow-up and the disease progresses in a non-linear and accelerating pattern.

Schwarz, Frank; Derks, Jan; Monje, Alberto; Wang, Hom-Lay (2018). Peri-implantitis. Journal of Periodontology, 89(), S267–S290. doi:10.1002/JPER.16-0350

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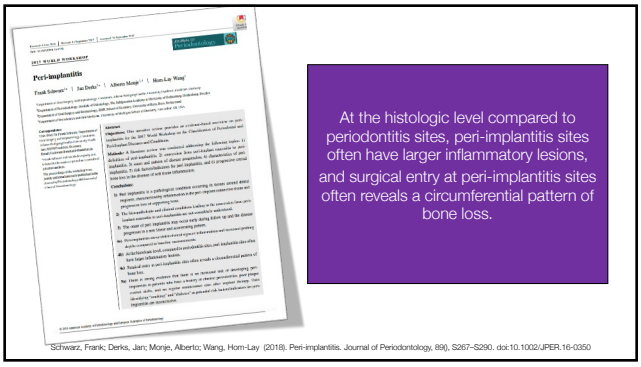

Peri-implantitis

Frank Schwarz[1] | Jan Derks[2] | Alberto Monje[3,4] | Hom-Lay Wang[4]

At the histologic level compared to periodontitis sites, peri-implantitis sites often have larger inflammatory lesions, and surgical entry at peri-implantitis sites often reveals a circumferential pattern of bone loss.

Schwarz, Frank; Derks, Jan; Monje, Alberto; Wang, Hom-Lay (2018). Peri-implantitis. Journal of Periodontology, 89(), S267–S290. doi:10.1002/JPER.16-0350

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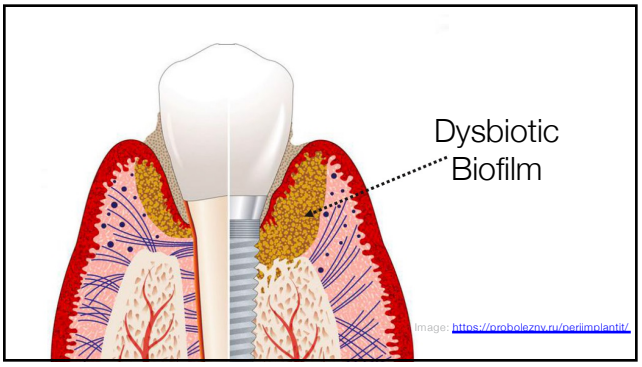

Image: https://proboleznv.ru/perimplantit/

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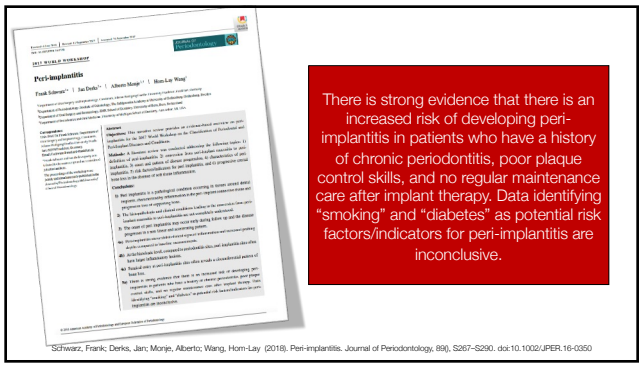

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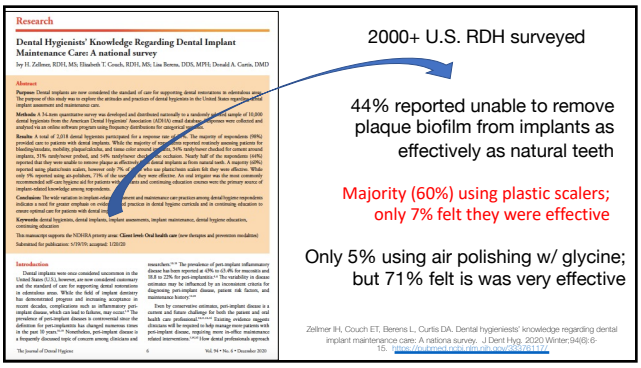

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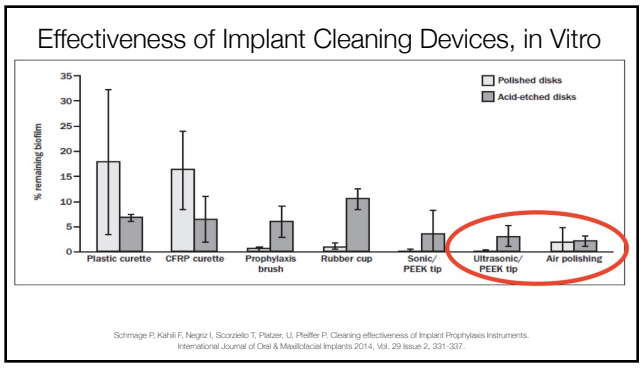

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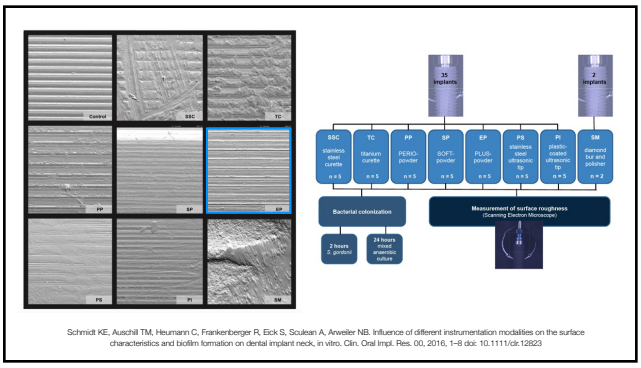

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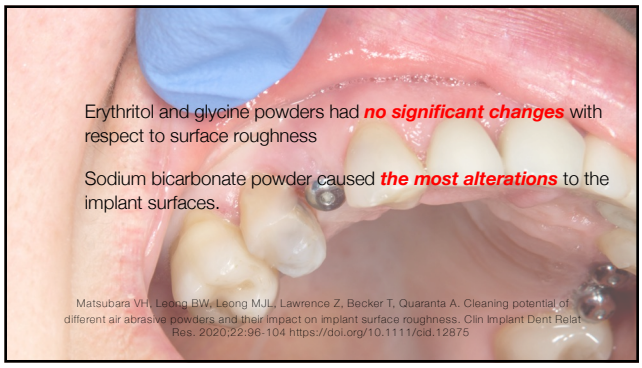

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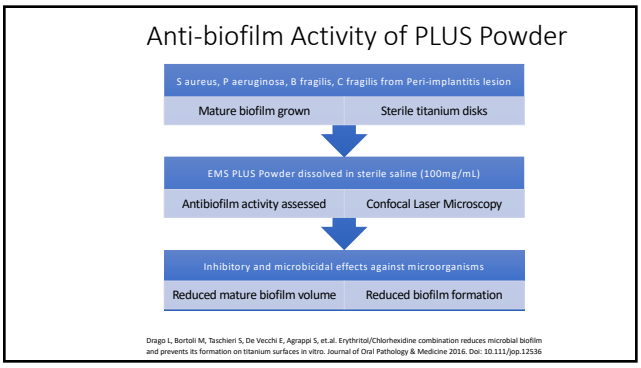

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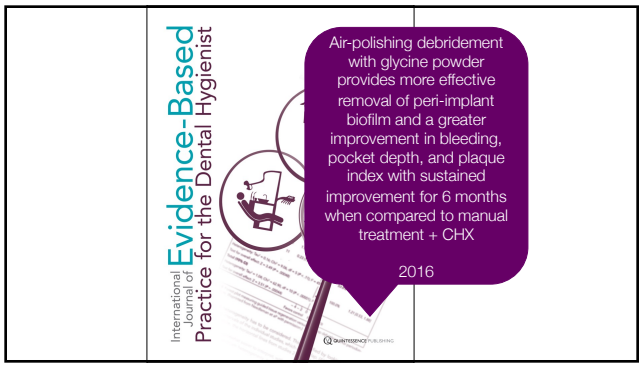

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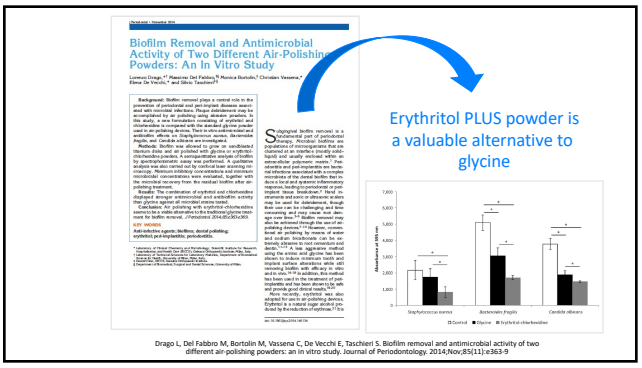

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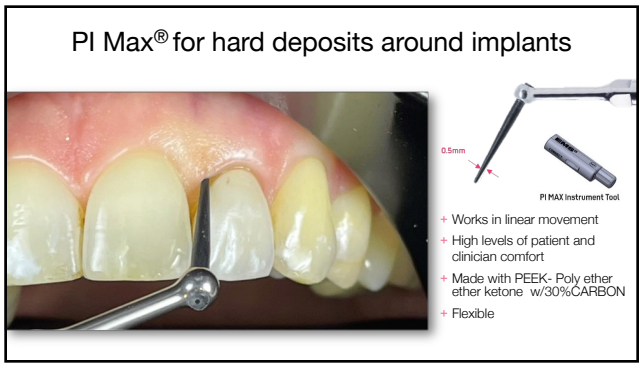

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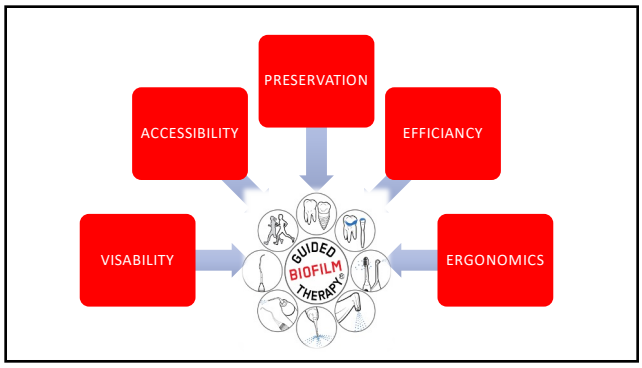

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Happy Patients!

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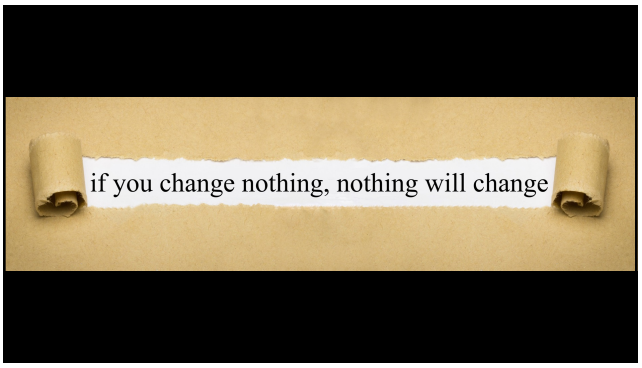
if you change nothing, nothing will change

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Thank you!
Karen@karendavis.net

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