

A BETTER WAY
FOR PATIENT CARE

WHAT IS GUIDED BIOFILM THERAPY?

Biofilm is a significant concern in dentistry. When micro-organisms colonize areas on teeth and form biofilm, they create a protective layer that is difficult to treat. As the biofilm accumulates and expands, it leads to caries, periodontal and peri-implant infections, which can increase the risk of systemic diseases, such as cardiovascular and respiratory disease, arthritis or diabetes.

The traditional method for treating biofilm can be challenging. Patients find it uncomfortable and invasive, leading to fewer return visits. Clinicians find it time consuming and inefficient.

GUIDED BIOFILM THERAPY (GBT) IS THE NEW, BETTER APPROACH

GBT is an innovative treatment protocol for biofilm. Systematic and predictable, GBT is based on clinically proven technologies and developed in cooperation with highly respected and experienced periodontists and dental hygienists.

This treatment protocol is based on individual patient diagnosis and risk assessment, leading to optimal results. Minimally invasive and safe for a variety of surfaces, GBT helps clinicians work more efficiently – saving 8 to 12 minutes per patient.

GBT is adaptable to patients of all ages and part of a comprehensive preventive concept that focuses on preserving patients' oral health and helping them feel comfortable throughout treatment.

THE EIGHT-STEP PROTOCOL

Make appointments more efficient and comprehensive with the simple steps of the Guided Biofilm Therapy protocol. Patients feel more engaged during their treatment because of the individualized care while clinicians are able to work smarter.

08 RE CARE

HEALTHY PATIENT
= HAPPY PATIENT

Ask your patient how he or she enjoyed the treatment.

Then, schedule recall frequency according to risk assessment.

07 CHECK

MAKE YOUR PATIENT SMILE

Do a final check for remaining biofilm and ensure calculus is fully removed. Accurately diagnose caries and protect with fluoride.

06 PIEZO CERAMIC & HAND INSTRUMENTATION

REMOVE REMAINING CALCULUS

Use the minimally invasive Hu-Friedy EMS PS instrument on natural teeth and the Hu-Friedy EMS PI instrument around implants and restorations. Finish with hand instrumentation.

01 ASSESS

FORMULATE AN INDIVIDUALIZED TREATMENT APPROACH

Start by rinsing with an antimicrobial mouth rinse. Review medical history, then probe and screen for evidence of health vs. disease and modifiable risk factors.

02 DISCLOSE

MAKE BIOFILM VISIBLE

Using a disclosing solution, show your patient their biofilm. The color will guide the biofilm removal. Once it's removed, calculus is easier to detect.

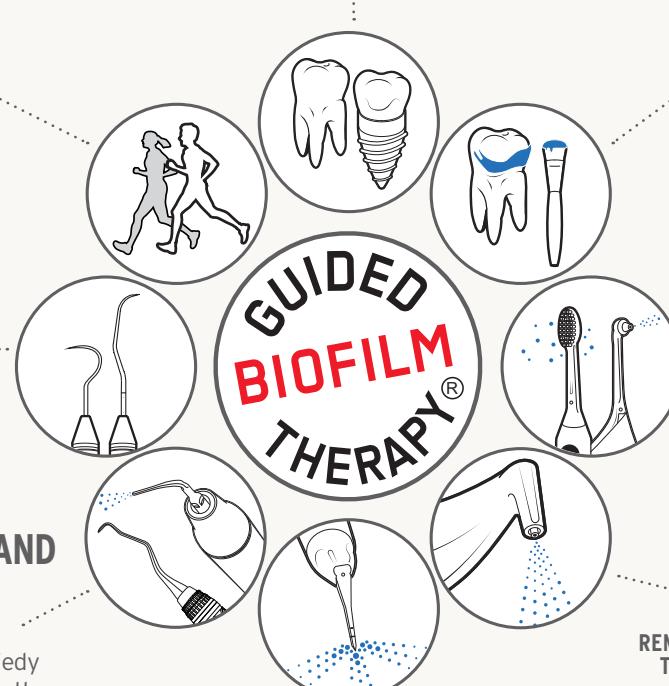
03 MOTIVATE

RAISE AWARENESS & TEACH

Emphasize prevention, modifiable risk factors and daily disease control.

Instruct patients on strategies to preserve oral health.

GUIDED
BIOFILM
THERAPY®



04 AIRFLOW®

REMOVE BIOFILM & STAINS ON NATURAL TEETH, RESTORATIONS & IMPLANTS

Use 14 micron PLUS Powder to remove biofilm supra- and subgingivally up to 4mm. If needed, remove heavy stains on enamel first using Classic Powder.

05 PERIOFLOW®

REMOVE BIOFILM IN >4MM POCKETS*

Use PLUS Powder on teeth and implants, including interproximally, with the PERIOFLOW nozzle.

SEE THE DIFFERENCE

Guided Biofilm Therapy makes it easy to disrupt all biofilm on teeth, implants and soft tissues, as shown on the patients here.

ORTHODONTICS

Brackets, bands and wires normally hinder your access when removing biofilm. Here, a three-tone disclosing agent reveals just how much cariogenic biofilm ($\text{pH} < 4.5$) has accumulated in areas difficult to access during home care. Using AIRFLOW with Plus Powder during GBT not only helped easily disrupt biofilm through and around these ortho appliances, but it also revealed demineralized white spots that were impossible to identify before.



BEFORE DISCLOSING



AFTER DISCLOSING



AFTER GBT

GINGIVITIS

Biofilm accumulates at the gingival margin, causing inflammation and eventually gingivitis.

On this patient, two-tone disclosing agent shows both early and mature biofilm. The sulcus area has mature biofilm, due to an improper brushing technique that left biofilm untouched.

In this case, GBT was limited to AIRFLOW PLUS Powder up to 3mm. Some bleeding from the gingival margin indicates low-grade gingivitis. GBT fosters the patient's motivation to use correct brushing techniques in order to slow or reverse the progression of gingivitis.



BEFORE DISCLOSING



AFTER DISCLOSING



AFTER GBT

IMPLANTS

Finally, a gentle and effective treatment for cleaning implants and treating peri-implantitis in a minimally invasive way.

On this patient, the disclosing agent is applied first and seeing the color helps to minimize treatment time. Then, AIRFLOW removes supra- and subgingival biofilm up to 4mm, while the PERIOFLOW nozzle removes biofilm directly in the peri-implant pockets up to 5mm*. Lastly, the PIEZON® PI implant tip removes any remaining calculus around the implant.

Both biofilm and calculus were carefully removed without damaging the implant, helping this patient on their path to restored oral health.

*10mm in Canada



AFTER DISCLOSING



AIRFLOW

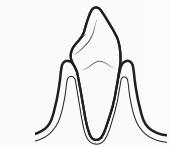


PERIOFLOW®



PIEZON

BENEFITS OF GBT



PRESERVE
HEALTHY TEETH



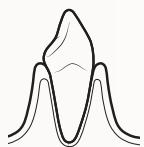
MAINTAIN
ORTHODONTIC
APPLIANCES



PRESERVE HEALTHY
SOFT TISSUES



MAINTAIN IMPLANTS



PREVENT CARIES



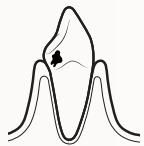
TREAT EXPOSED
DENTIN



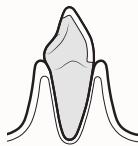
TREAT GINGIVITIS



TREAT MUCOSITIS



DETECT CARIES AT
AN EARLY STAGE



PRESERVE AESTHETIC
RESTORATIONS

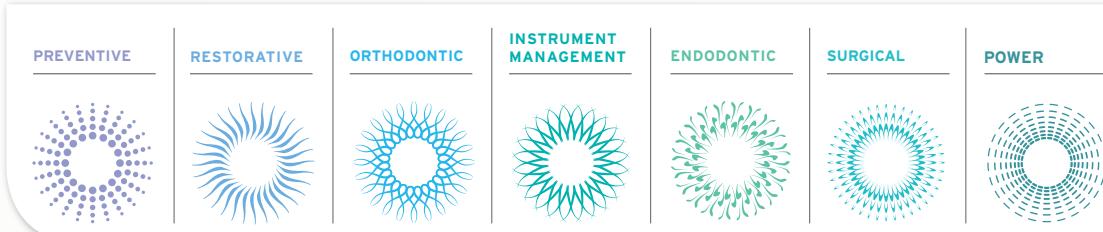


TREAT
PERIODONTITIS



TREAT
PERI-IMPLANTITIS

For more information, visit
Hu-Friedy.com/GBT



Hu-Friedy Mfg. Co., LLC: 3232 N. Rockwell St. | Chicago, IL 60618 | USA
Telephone: 1-800-Hu-Friedy or 1-773-975-6100 | Website: Hu-Friedy.com

©2019 Hu-Friedy Mfg. Co., LLC. All rights reserved. [956] HFL-162/0219

*Approved for 5mm in the U.S.; 10mm in Canada

Hu-Friedy
®