

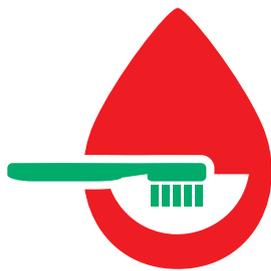
SUNSTAR



Periodontal Disease and Diabetes:

BREAK THE CYCLE

Diabetes Management
in the Oral Care
Practice



**LIVING HEALTHIER
WITH DIABETES***

Working together to integrate Oral Health in the **COMPLETE CARE** of diabetics

PRIMARY CARE

- Educate on oral health risks & opportunities for management
- Refer patients to Oral Care Professional



ORAL CARE

- Prevent and manage periodontal disease
- Educate about best oral health practices



TAILORED SOLUTIONS

- Advanced plaque control
- Gentle on gum tissues



PREVENTION

DAILY CARE

Adopt 3 step care:

- Brush
- Clean between teeth with floss or an interdental brush
- Rinse



Helpful resources available on the Global [SUNSTAR.com](https://www.sunstar.com) website

- EFP- IDF Guidelines on the link between PD and Diabetes
- White Paper: State of the Evidence on the Bidirectional Link
- Patient Brochure

REFERENCES

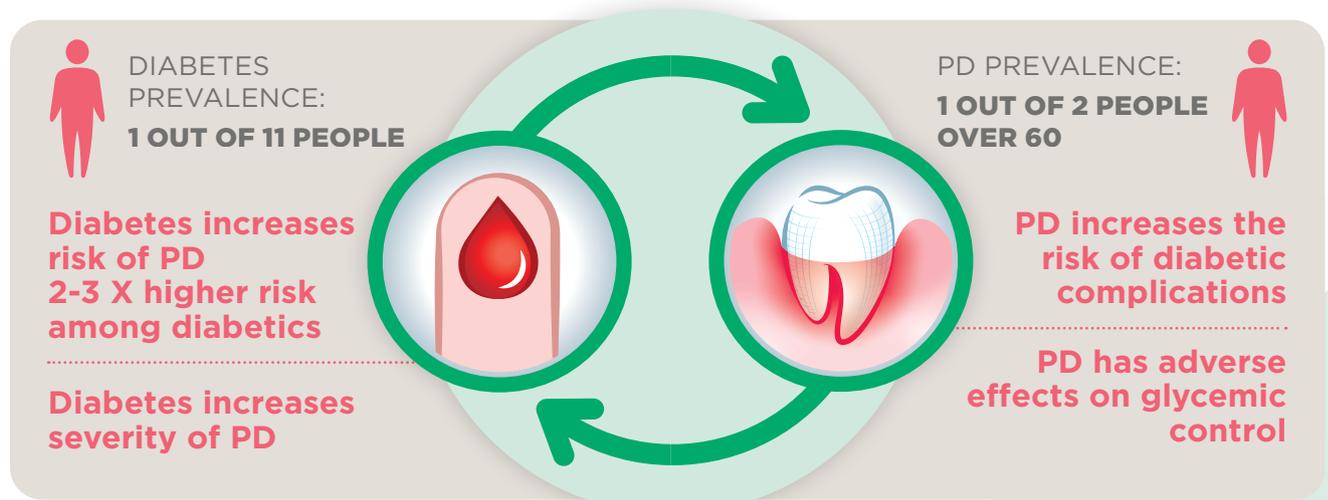
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Let's join forces to **BREAK THE AMPLIFYING CYCLE** that connects **Diabetes & Periodontal Disease (PD)**

For 30 years SUNSTAR has supported research on the relationship between diabetes and oral health.

Clinical evidence now convincingly shows that the two conditions are connected by a bidirectional link and that periodontal therapy can positively impact metabolic control and reduce the risk of diabetic complications. **It's time to break the cycle!**

PD & DIABETES: two chronic inflammatory diseases connected by a **BIDIRECTIONAL LINK**^{2,3}



2018 EFP-IDF Guidelines

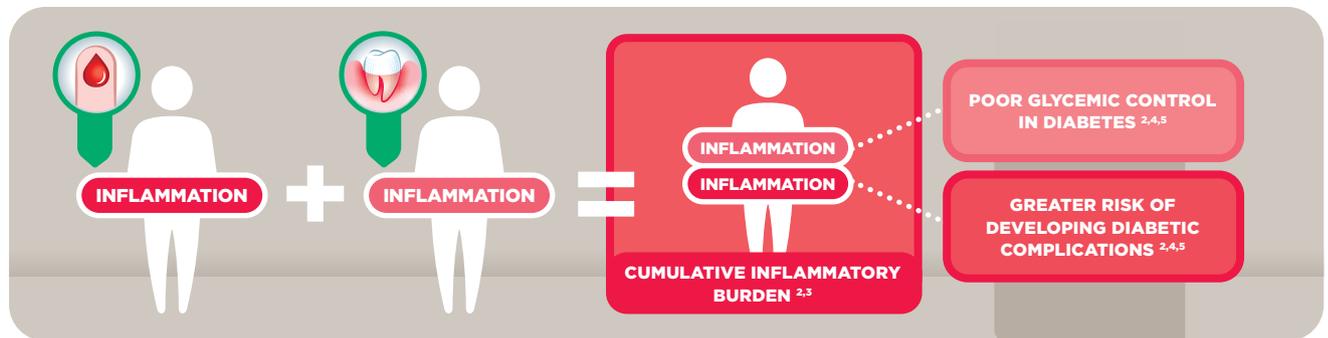
The European Federation of Periodontology (EFP), the International Diabetes Federation (IDF) and SUNSTAR have come together to publish a consensus on the scientific evidence of the Periodontal Disease-Diabetes bidirectional link and guidelines on its management by both Dentists & Diabetologists.¹

SUNSTAR
30 YEARS

The GUM Brand's oral care solutions are backed by 30 years of SUNSTAR scientific research inspired by our founder's personal experiences of living with diabetes

Periodontal Disease **AMPLIFIES** the risk of diabetic complications^{4,5}

PD contributes to the cumulative inflammatory burden in patients living with diabetes^{5,10} leading to increased insulin resistance, poor glycemic control and a greater risk of diabetic complications.^{5,11,12}



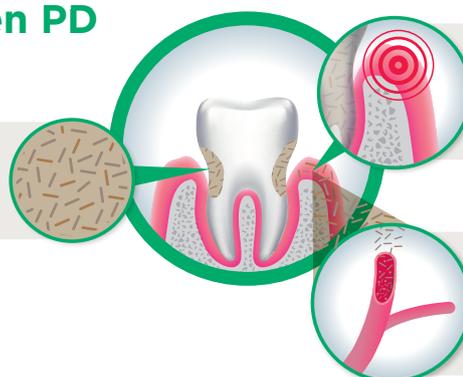
DIABETIC COMPLICATIONS

INCREASED RISK OR SEVERITY IN PATIENTS WITH SEVERE PD (VS NO OR MILD PD)

	STROKE - Periodontitis is an independent risk factor for cerebral ischemia ¹³	↑ HIGHER	RISK
	RETINOPATHY - There is a significant relationship between PD and the severity of diabetic retinopathy ¹⁴	↑ GREATER	SEVERITY
	CARDIOVASCULAR - Increased risk of mortality from (ischemic) heart disease ¹⁵	↑ 2.3X	MORTALITY
	RENAL - The severity of PD increases the risk of cardio-renal mortality ¹⁵	↑ 8.5X	MORTALITY
	NEUROPATHIC FOOT - Increased risk of diabetic foot ulcers ⁷	↑ 6.6X	RISK

Pathophysiology of the link between PD and Diabetes⁸

PLAQUE BACTERIA causes gum inflammation

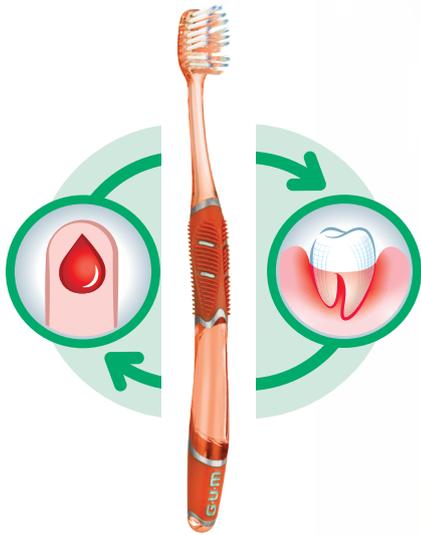


DIABETES increases inflammatory mediators & advances glycation + end-products in periodontal tissues

PD triggers more inflammatory mediators which move into the systemic circulation and increase the inflammatory burden of diabetes

BREAK THE CYCLE!

Make diabetes oral health management & education an integrated part of your practice



Periodontal therapy significantly impacts metabolic control and reduces the risk of diabetic complications^{1,8}

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PREVENT¹

- Perform comprehensive periodontal evaluations
- Implement preventive strategies
 - Promote best daily personal oral care to manage plaque
 - Prescribe daily use of interdental brushes and flosses
- Effectively treat gingivitis
- Schedule annual check ups



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MANAGE¹

- Readily reduce periodontal inflammation
- Schedule annual check ups



REDUCE PERIODONTAL INFLAMMATION

RESTORE INSULIN SENSITIVITY⁸

IMPROVE METABOLIC CONTROL⁸

For every 1% reduction in HbA1c in diabetes, the relative risk reduces by:⁹

- 21% for any diabetes-related endpoint
- 21% for diabetes-related deaths
- 14% for myocardial infraction
- 37% for microvascular complications

EDUCATE¹

About the important role oral health plays in diabetes management

About best practices in daily oral care:

- Brush
- Use interdental brushes or floss to clean between teeth
- Rinse



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