Periodontal Diseases

Prevention and patient management



Periodontal diseases are chronic inflammatory diseases of bacterial aetiology that affect the tooth-supporting soft and hard tissues:

- Plaque-induced gingivitis is a gingival inflammation without attachment loss and bone loss.
- **Periodontitis** is an inflammatory lesion of periodontal tissues resulting in loss of attachment and alveolar bone.

TABLE 1 PROGRESSION OF PERIODONTAL DISEASES

Table 1 is a diagnostic tool used to determine the individual's periodontal status as **gingival/periodontal health**, **gingivitis** or **periodontitis**, using common signs/symptoms that can be easily identified using only a **periodontal probe and an x-ray**. Early detection of the disease enables general practitioners and/or dental hygienists to prevent disease progression and help patients improve and maintain their oral/periodontal health.

GINGIVAL/ PERIODONTAL HEALTH



Healthy gums

Good oral hygiene

Minimal bleeding on probing (< 10% of sites)

No periodontal pockets (≤ 3 mm)

No bone loss on radiograph

GINGIVITIS



Red and swollen gums

Plaque and/or calculus

Bleeding on probing (≥ 10% of sites)

Shallow periodontal pockets (≤ 4 mm)

No bone loss on radiograph

Initial to Moderate PERIODONTITIS

STAGES 1-2



Red and swollen gums

Plaque and/or calculus

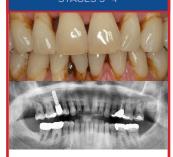
Generalized bleeding on probing

Periodontal pockets (4–5 mm)

Bone loss \leq 1/3 of root length on radiograph

Severe PERIODONTITIS

STAGES 3-4



Red and swollen gums

Plaque and/or calculus

Generalized bleeding on probing

Deep periodontal pockets (≥ 6 mm)

Bone loss > 1/3 of root length on radiograph

MEASURING POCKET DEPTH USING A PROBE



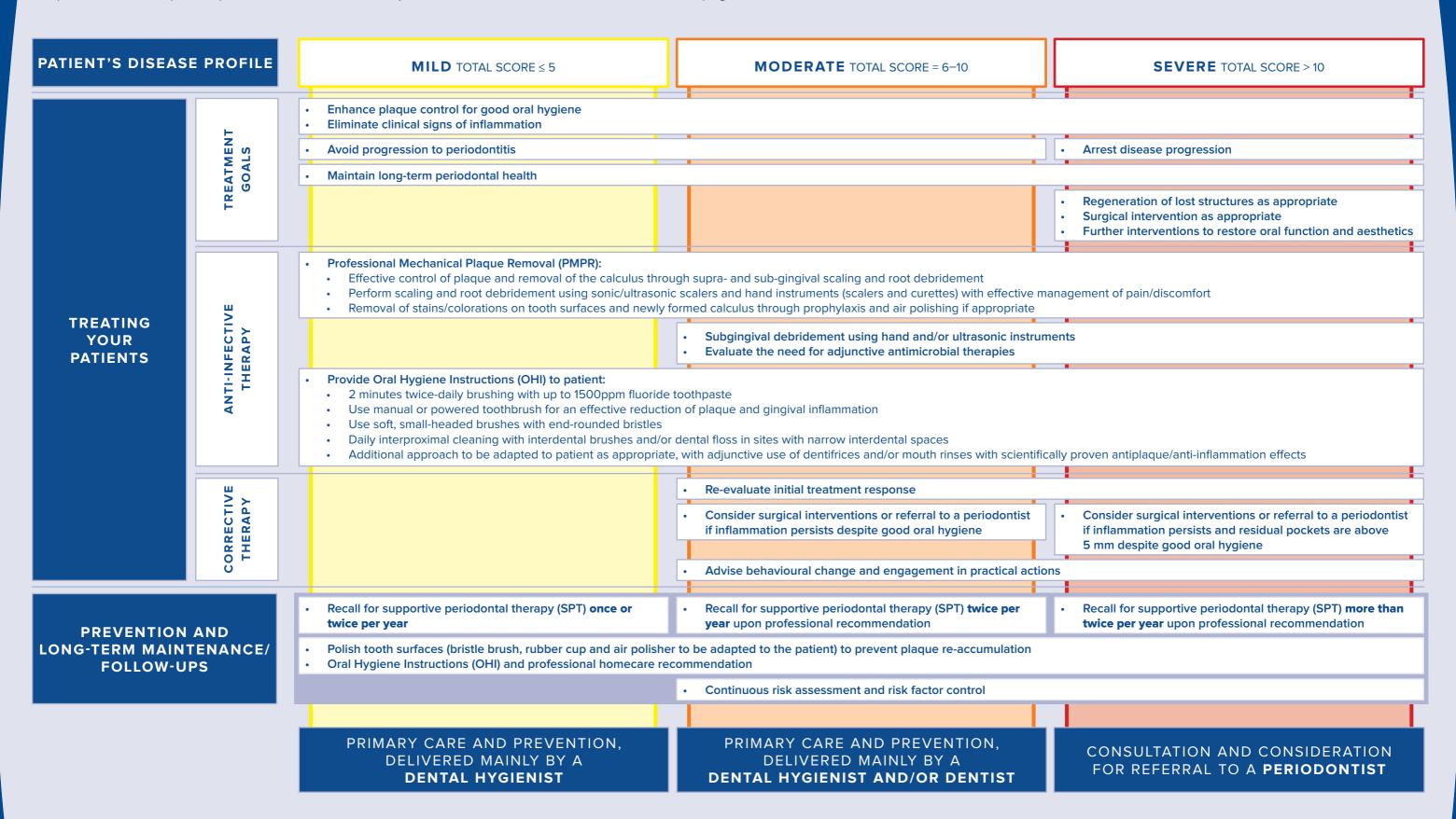






TABLE 2 PERIODONTAL DISEASES: PREVENTION AND MANAGEMENT OF PATIENTS

Table 2 below provides a patient disease profile and practical guidance to effectively manage patients. It should be used together with Table 1, which helps assess the severity of periodontal diseases. To determine the patient's disease profile, please refer to the **disease profile assessment** on the reverse side of this page.















Disease profile assessment

The following **scoring system** can help categorize the patient's periodontal disease profile as **MILD**, **MODERATE** or **SEVERE**. The disease profile should be used together with the diagnostic tool shown in **Table 1**.

Based on the findings, score each item and calculate the total score of disease profile.

Q	Item	Score = 0	Score = 1	Score = 2	Score = 3
1	Age	< 35 years old	35–44 years old	45–64 years old	> 64 years old
2	Smoking	No	< 10 cigarettes per day	10–15 cigarettes per day	> 15 cigarettes per day
3	Diabetes	No	Well controlled (HbA1c < 7%)		Poorly controlled/ uncontrolled (≥ 7%)
4	Tooth loss due to periodontal diseases	No tooth loss			Tooth loss due to periodontitis
5	Heavy plaque deposits covering	< 10% of tooth sites	10–50% of tooth sites	> 50% of tooth sites	
6	Bleeding on probing	< 10% of tooth sites	10–50% of tooth sites	> 50% of tooth sites	
7	Probing depth	< 4mm	4–5mm	Localized tooth sites > 5 mm	Generalized tooth sites > 5mm
		CATEGORY TOTAL	CATEGORY TOTAL	CATEGORY TOTAL	CATEGORY TOTAL
					TOTAL SCORE

DISEASE PROFILE ASSESSMENT

MILD FINAL SCORE ≤ 5 *

MODERATE FINAL SCORE = 6-10

SEVERE FINAL SCORE > 10

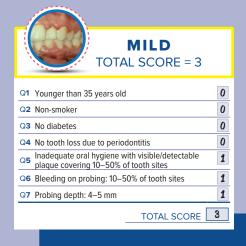
ABBREVIATED ASSESSMENT

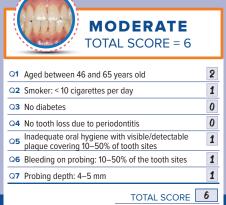
An abbreviated assessment can be completed if it is not feasible to complete the full questionnaire. If the patient has any of the listed items, he/she should be considered at risk, and necessary professional advice should be given.

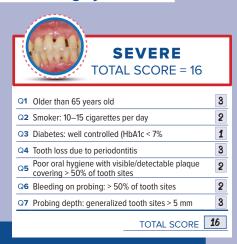
NOTE This scorecard uses the main risk factors, but other risk factors could influence periodontal health, such as excessive alcohol and sugar consumption. In case of a high bone loss/age rate, smoking habit and/or diabetes, consider a high risk case (grades B or C), independently of the severity of the disease.

*Score other than age only

EXAMPLE Patient risk profiles using the disease profile scoring system







PATIENT WITH

Plaque-induced gingivitis

Initial to moderate periodontitis

Severe periodontitis