

## Treatment of stage IV periodontitis The EFP S3-level clinical practice guideline

• Implementation of the new classification of periodontitis should facilitate the use of appropriate preventive and therapeutic interventions, depending

Where does the need for this guideline come from?

- on the stage and grade of the disease. The application of this S3-level clinical practice guideline will allow a homogeneous and evidence-based approach to the management of stage I-III periodontitis.
- What do patients need to know?
- refused treatment.
- An essential prerequisite to therapy is to inform the patient of the diagnosis, including causes of the condition, risk factors, treatment alternatives and expected risks and benefits including explanations regarding consequences of • This discussion should be followed by agreement on a personalized care plan. · The plan might need to be modified during the treatment journey, depending
- on patient preferences, clinical findings and changes to overall health.
- How do we interpret these infographics?
- Blue colour: Recommendations in favor of a particular strategy of treatment or specific procedure. Orange colour: Open recommendation in which the of a particular strategy of treatment or
- specific procedure based on specific patient characteristics. Uncertain recommendation for whose clarification further research is needed.
- Grade of recommendation grade<sup>a</sup> Description Syntax

- clinician is responsible for the final choice
  - Red colour: Recommendations against a particular
- **TABLE** We recommend Strong recommendation We recommend not to
- Open recommendation May be considered <sup>a</sup> If the group felt that evidence was not clear enought to support a recommendation, statements were formulated, including the need (or not) of additional research.
- Strengh of recommendations:
- strategy of treatment or specific procedure.
- Commission, 2012) We suggest Recommendation We suggest not to
- Aim:
- grading scheme (German Association of the Scientific Medical Societies (AWMF) and Standing Guidelines

- This guideline aims to provide information on: · multidisciplinary therapeutic approaches in the treatment of stage IV periodontitis, how to minimize tooth loss associated with periodontitis, · how to improve overall systemic health and quality of life. for patients in periodontitis stage IV Cases Type 3 and 4. Case Type 3: Partially edentulous patient who can be prosthetically restored without full-arch rehabilitation.

Case Type 4: Partially edentulous patients who need to be restored with

full-arch rehabilitation, either tooth or implant-retained.

# General recommendations for Cases Type 3 and Type 4

### Timepoint of definitive prosthesis **Recommended** interventions Recommended Suggested Recommended Recommended Recommended

### Interim/dental final prosthesis An interim dental prosthesis The **definitive prosthesis** should allow optimal should be delivered after a **should be placed**, if required, self-performed oral hygiene final evaluation of the early during periodontal

measures and professional

mechanical plaque removal.

maintainability and prognosis

of abutment teeth/implants.

therapy.

**Not** recommended

NOT



Following points should be evaluated when incorporating dental implants: (I) absence of contraindications to surgery (II) hard and soft tissue dimensions (III) the potential need for soft/hard-tissue augmentation

(IV) the increased risk for peri-implantitis and implant loss should be evaluated and provided.

Considerations for the design of fixed partial dental prostheses

Suggested

**Recommended** interventions



Specific recommendation

for Case Type 3:

Partially edentulous patient who can be

prosthetically restored without full-arch rehabilitation



## Various prosthetic treatment options (tooth-supported fixed dental prostheses, implant-supported fixed dental prostheses, removable dental prostheses), or no prosthetic rehabilitation may be considered.

Suggested

Recommended

Suggested

Suggested

Resin-bonded fixed dental prostheses may be

considered in certain circumstances

(e.g., small tooth-delimited edentulous spaces).

Suggested

Recommended

Suggested

**Recommended** interventions

NOT

It is suggested not to use resin-bonded

fixed dental prostheses

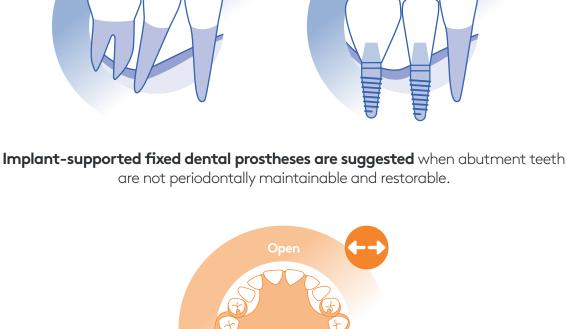
for large edentulous spaces.

**Recommended** interventions

Suggested



Tooth-supported fixed dental prostheses are suggested



Metal-based frame removable dental prostheses may be considered as transitional or definitive treatment option when a fixed solution is not indicated.

Case Type 3 patients with unilateral or bilateral

posterior free-end situation

Open recommendation

Different prosthetic treatment options (namely shortened dental arch, implant-supported restorations or removable dental prostheses) may be considered.

Case Type 3 patients with shortened dental arch

with sufficient occluding/masticatory units

**Open** recommendation

In cases with a shortened dental arch with sufficient occluding/masticatory units (e.g., from second pre-molar to second pre-molar, no evident risk for flaring or tooth elongation and adequate patient comfort), tooth replacement may not be considered in the free-end situation.

Case Type 3 patients with shortened dental arch without

sufficient occluding/masticatory units

Implant-supported fixed dental prostheses or removable dental prostheses with a metal-based framework, are suggested.

Specific recommendation

for Case Type 4:

Partially edentulous patients who need to be restored with

full-arch rehabilitation, either tooth or implant-retained

Case Type 4 patients with sufficient number of adequately

distributed and restorable teeth in the maxillar/mandible

The use of a tooth-supported full-arch fixed dental prosthesis is suggested.

Case Type 4 patients with compromised dentition and insufficient number/distribution of maintainable teeth

**Open** recommendation

Recommended

Suggeste

Suggested

Suggested

**Recommended** interventions

Suggested

**Recommended** interventions Recommended | Suggested

## **Recommended** interventions Recommended Suggested Suggested

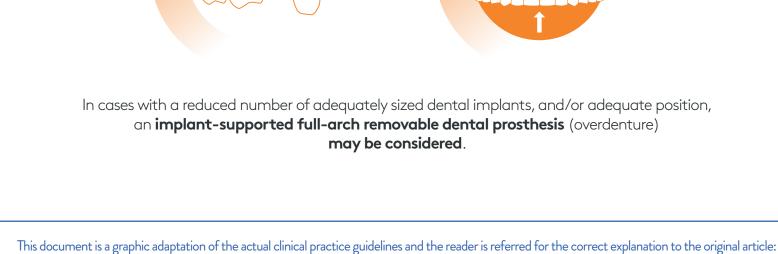
In cases where a sufficient number (≥4) of bilaterally distributed and adequately sized dental implants are planned in the maxilla and/or mandible, an implant-supported full-arch fixed dental prosthesis is suggested.

Open recommendation

The use of a tooth-supported full-arch removable prostheses may be considered.

Case Type 4 patients with compromised dentition with

impossible tooth preservation



"Treatment of stage IV periodontitis: The EFP S3 level clinical practice guideline" by Herrera and coworkers, Journal of Clinical Periodontology 2022, https://www.efp.org/education/continuing-education/clinical-guidelines/guideline-on-treatment-of-stage-iv-periodontitis/

www.efp.org

European Federation of Periodontology