

Recommendations for

the prevention of peri-implant diseases

Where does the need for this guideline come from?

- prevent and treat peri-implant diseases. The application of this S3-level clinical practice guideline for "Prevention and treatment of peri-implant diseases" will allow a homogeneous and evidence-based approach to maintain peri-implant health, to prevent and treat peri-implant mucositis and peri-implantitis. What do patients need to know? • An essential prerequisite to prevention and therapy of peri-implant diseases

Grade of recommendation^a

It aims to:

- 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 refused treatment.

 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.
- Implementation of the 2018 classification of peri-implant diseases as well Blue colour: as the availability of defined clinical diagnostic criteria/parameters should facilitate the use of appropriate preventive and therapeutic interventions to
 - Recommendations in favor of a particular strategy of treatment or specific procedure.

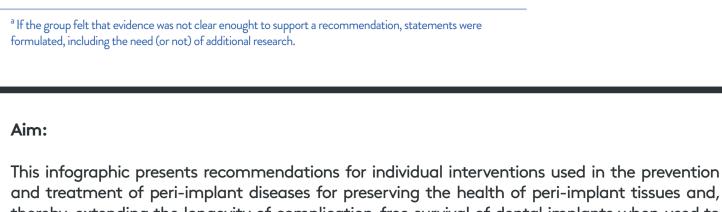
How do we interpret these infographics?

- Orange colour: Open recommendation in which the clinician is responsible for the final
- choice of a particular strategy of treatment or specific procedure based on specific patient characteristics. Uncertain recommendation for whose clarification further research is needed.
 - strategy of treatment or specific procedure.

Recommendations against a particular

- Recommendation We suggest not to 0 Open recommendation May be considered ^a 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. Aim:
- **TABLE Syntax** Description Strengh of recommendations: grading scheme (German Association We recommend Strong recommendation of the Scientific Medical Societies We recommend not to (AWMF) and Standing Guidelines Commission, 2012) We suggest

Red colour:



thereby, extending the longevity of complication-free survival of dental implants when used to replace missing teeth.

the overall quality of peri-implant interventions undertaken in Europe and worldwide; (ii) reduce dental implant loss arising due to peri-implantitis; (iii) reduce medical and dental costs and improve the quality of life of patients. Primordial prevention of

(i) inform sound preventive approaches peri-implant diseases, and thereby improve

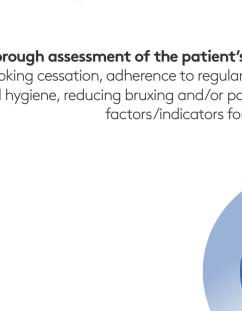
peri-implantitis

Recommendations for patients awaiting implant placement **Recommended** interventions Recommended

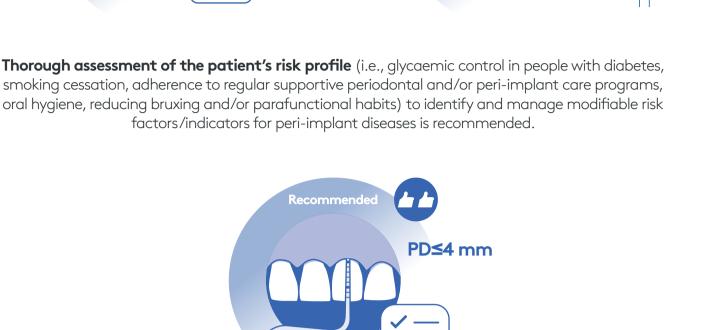
Recommende

Guideline conformed treatment of gingivitis and periodontitis to a stable endpoint (PD≤4 mm and no bleeding on probing (BOP)) **and adherence to a supportive care programme** prior to implant placement is recommended.

Treatment planning for 3D implant positioning



Recommended



Recommended interventions Recommended

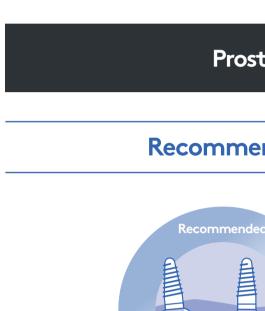
primary stability. for prosthetic components sulcus ('tunnel'). and access for oral hygiene.

Adequate buccal/lingual bone

thickness to allow the implant

to be placed in a prosthetically

guided position with good

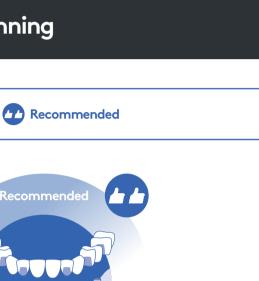


Adequate mesio-distal

distance between an implant and adjacent

tooth/implant to allow





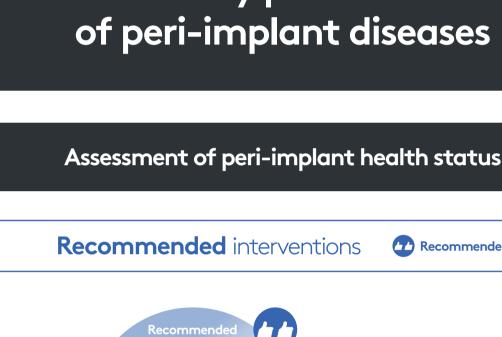
Appropriate apical-coronal

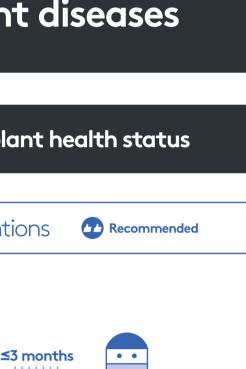
position of the implant

platform (shoulder) to avoid a deep mucosal

Primary prevention

 good access for oral hygiene; • good access for peri-implant probing and professional mechanical plaque removal; • a prosthesis contour with a **favourable emergence angle and profile**.





Peri-implant probing to assess

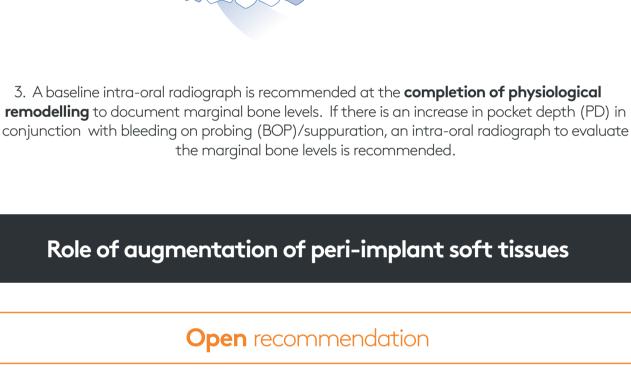
the presence of bleeding on probing (BOP), and to monitor changes in pocket depth (PD), and changes in the mucosal margin level is recommended.

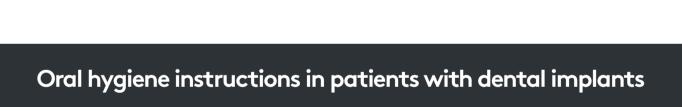
The following are advised:

1. Baseline probing (6 sites) and recording of keratinized/attached mucosal width within 3 months of prosthesis delivery; 2. Re-probe at every clinical examination.

A regular supportive peri-implant care in patients who have healthy peri-implant tissues is recommended.

Recommended





Recommended

Recommended

Recommended

Recommende

Recommended interventions

In cases with an absence of keratinized/attached mucosa with discomfort on brushing, increasing peri-implant keratinized/attached mucosal width, may be considered.

Supportive peri-implant care (SPIC) after treatment of peri-implantitis

Recommended interventions

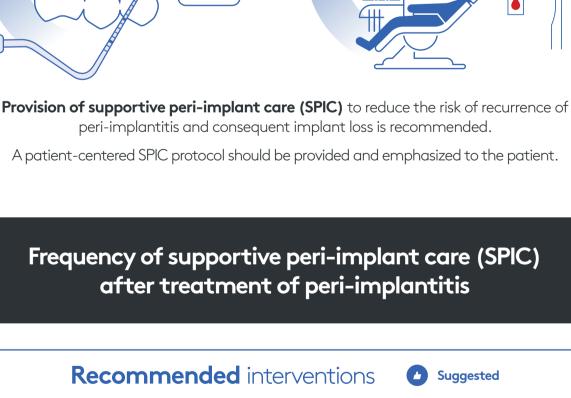
x3/x6/x9/x12

Recommended

Individually tailored oral oral hygiene (OH) instructions are recommended

Secondary and tertiary prevention

of peri-implant diseases



Suggested

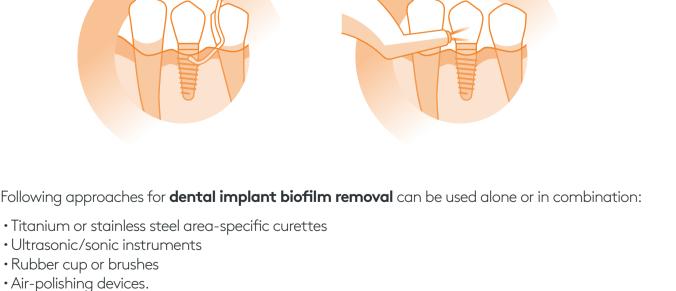
Following peri-implantitis treatment, supportive peri-implant care (SPIC) is suggested every 3-4 months for the first 12 months, and thereafter individually tailored.

Professional mechanical plaque removal (PMPR) within supportive

peri-implant care (SPIC) after treatment of peri-implantitis

Open recommendation

Oral hygiene after treatment of peri-implantitis



Recommended

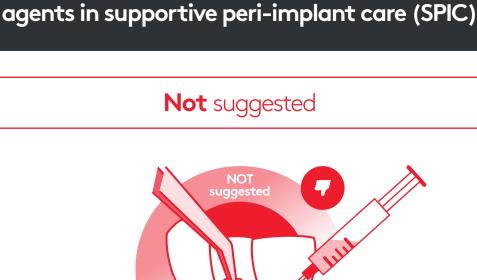
oral healthcare professional and periodically reinforced.

Individually tailored prosthesis Oral hygiene methods should be care is recommended demonstrated by the patient to the

Professional administration of adjunctive local antimicrobial

Recommended interventions

Not suggested



The professional application of adjunctive local antimicrobial agents in supportive peri-implant care (SPIC) to reduce the risk of recurrent peri-implantitis is not suggested.



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