Effectiveness of a clinical guideline to improve the dental health in orthodontic patients with fixed appliances: study protocol for a cluster randomized trial

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The aim of this study is twofold: 1)To assess the effectiveness of a CPG converted into a CDSS, in actually preventing the development of WSLs during orthodontic treatment with fixed appliances compared to usual preventive measures. 2)To...

Ethische beoordeling	Niet van toepassing
Status	Anders
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON24400

Bron
NTR

Verkorte titel
Guideline effectivness orthodontics

Aandoening

Enamel carious lesions, white spot, prevention, guideline, effectivness, orthodontic treamtent.
Ontkalkingen, richtlijn, effectiviteit, preventie, orthodontische behandeling.

Ondersteuning

Primaire sponsor: Radboud University Medical Center
Overige ondersteuning: Nederlandse Vereniging van Orthodontisten

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Primary outcome

The primary outcome measure is the incidence of WSLs after 6 to 9 months of treatment with fixed appliances and at the end of treatment using the CPG for prevention of WSLs compared to usual preventive measures in patients treated with full fixed orthodontic appliances.

Toelichting onderzoek

Doel van het onderzoek

The aim of this study is twofold:
1)To assess the effectiveness of a CPG converted into a CDSS, in actually preventing the development of WSLs during orthodontic treatment with fixed appliances compared to usual preventive measures.
2)To evaluate the effect of a multifaceted implementation strategy of a CPG based CDSS into routine clinical practice.

Onderzoeksopzet

T0(before treatment), T1 (6-9 months into treatment with fixed appliances) and T2 (end of treatment with fixed appliances)

Onderzoeksproduct en/of interventie

the implementation of a CPG for prevention of WSLs prior and during orthodontic treatment with fixed appliances

Contactpersonen

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

All patients between 12 and 18 years of age, with fully erupted permanent dentition, who are scheduled for treatment with full fixed appliances, are eligible to participate in this study.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

-Patients younger than 12 years of age because they do not have a fully erupted dentition, patients older than 18 years of age because after this age the risk of development of WSLs is reduced.

-Patient diagnosed with astma bronchiale because the use of Durphat is contra-indicated.

-Patients with physical or mental problems incapable of practicing proper oral hygiene.
-Patients who refuse to use prescribed preventive products or are allergic to these products.

-Patients with missing incisors, canines and/or premolars because these are the teeth being scored.

-Patients with cleft lip and palate and craniofacial anomalies because for these patients different preventive strategies are needed.

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel
Toewijzing:	Gerandomiseerd
Blindering:	Open / niet geblindeerd
Controle:	N.v.t. / onbekend

Deelname

Nederland

Status:	Anders
Aantal proefpersonen:	840
Type:	Onbekend

Ethische beoordeling

Niet van toepassing

Soort:	Niet van toepassing

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL4766
NTR-old	NTR5012
Ander register	Oosterkamp : BCM

Resultaten