

Dynamic oral ecosystem

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Ethische beoordeling	Niet van toepassing
Status	Werving nog niet gestart
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON20662

Bron

NTR

Aandoening

Gingival inflammation

Ondersteuning

Primaire sponsor: Prof. dr. J.R. Bausch

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Overige ondersteuning: Sponsor

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Microbiological composition

Toelichting onderzoek

Doel van het onderzoek

We hypothesize this difference is due to differences in the mechanisms by which the individuals can withstand and/or adapt to the stress conditions applied in the clinical model and that these mechanisms are of key importance in our ability to maintain our oral health. We expect that – in analogy of other biological systems – the mouth has intrinsic mechanisms to maintain or restore homeostasis following a perturbation. These processes have up to date gained little attention in research. By examining in detail the dynamic biological responses of the oral ecosystem in individuals during experimental gingivitis induction and relating these responses to individual variation in the inflammatory outcome, it is expected that the biological processes that contribute to our ability to maintain oral health can be identified.

Onderzoeksopzet

Day -14, 0, 2, 5, 9, 14, 21

Onderzoeksproduct en/of interventie

Challenge intervention: no oral hygiene for 2 weeks

Intervention: erythritol tablets

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

- Adult, ≥ 18 years - 55 year
- Male and female
- Classified as systemically healthy, assessed by medical questionnaire
- Minimum of 20 natural teeth: first and second molars must be present
- Having visited the dentist for a regular check-up within the last year and having finished the necessary treatment.
- Willing and able to give written informed consent
- Willing to consent to use their collected anonymous and coded body materials for further research

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

- Anyone presenting with a dental pocket probing depth ≥ 5 mm with bleeding on probing and attachment loss ≥ 2 mm, Dutch Periodontal Screening Index score 3+/ 4
- $>40\%$ BOP
- Overt dental caries
- Smokers, definition non-smoker: <1 cigarette every day for at least one year
- Removable partial dentures
- Removable night guard
- Oral and/or peri-oral piercings

- Apparent oral lesions (aphthous ulcers excluded)
- Presence of orthodontic banding (except for lingual retention wire)
- Abuse of drugs/alcohol
- ACTA dental student or ACTA professional
- Participation in a clinical study within the previous 30 days

General health and use of medication:

- Self-reported pregnancy or breastfeeding
- Use of antibiotics during the last 3 months
- Need of antibiotic prophylaxis prior to dental treatment
- Use of anti-inflammatory drugs on a regular basis
- Evidence of any systemic disease or compromised health condition
- Acute sinusitis
- Severe oral- pharyngeal infections
- Current disorders/disease resulting in (self-induced) vomiting
- Reduced salivary flow due to pathological reasons (e.g. Sjögren syndrome)
- Adverse medical history or long-term medication
- Prescribed medication (except for contraceptives - birthcontrol pills)

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel

Toewijzing:	N.v.t. / één studie arm
Blinding:	Enkelblind
Controle:	Geneesmiddel

Deelname

Nederland	
Status:	Werving nog niet gestart
(Verwachte) startdatum:	12-01-2015
Aantal proefpersonen:	80
Type:	Verwachte startdatum

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	NL4718
NTR-old	NTR4863
Ander register	: TIFNOH-001-WP2

Resultaten