

The effect of Sonicare AirFloss on interproximal plaque

Published: 08-12-2016

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The objective of this study is to evaluate the effect of Sonicare AirFloss on interproximal plaque compared to interdental brushes.

Ethical review	Approved WMO
Status	Will not start
Health condition type	Other condition
Study type	Interventional

Summary

ID

NL-OMON42840

Source

ToetsingOnline

Brief title

Effect of Sonicare AirFloss on interproximal plaque

Condition

- Other condition

Synonym

interdental plaque

Health condition

interdentale plaque als parameter voor cariës en gingivitis

Research involving

Human

Sponsors and support

Primary sponsor: Centrum voor tandheelkunde en mondzorgkunde

Source(s) of monetary or material Support: Ministerie van OC&W

Intervention

Keyword: AirFloss, Interproximal, Plaque, Sonicare

Outcome measures

Primary outcome

The plaque score can be regarded as a continuously distributed variable. A disclosing solution is painting on the tooth surfaces. The plaque score is calculated by dividing the number of plaque containing approximal surfaces by the total number of available approximal surfaces

Plaque scores are noticed before and after the intervention of both interdental cleaning devices.

Secondary outcome

Not applicable

Study description

Background summary

Plaque removal is important to prevent dental diseases like gingivitis and cariës. Bacteria also manifestate in between teeth. For that reason clean devices like interdental brushes are highly recommended. Philips claims that the latest the Sonicare AirFloss can replace the already excisting interdental devices like floss and interdental brushes. This innovation is based on a technology with a high-velocity burst of air and water droplets to clean the interdental spaces.

Nevertheless no studies can be found where the plaqueremoval effect of the Sonicare AirFloss is compared to the gold standard interdental brushes.

Study objective

The objective of this study is to evaluate the effect of Sonicare AirFloss on interproximal plaque compared to interdental brushes.

Study design

A randomized controlled split-mouth clinical trial

Intervention

The Sonicare AirFloss is an interproximal cleaning device. It is based on a technology with a high-velocity burst of air and water droplets to clean the interdental spaces. In this study the plaque removal effect of the Sonicare AirFloss is compared to interdental brushes.

Study burden and risks

No risks are associated with participation.

Contacts

Public

Selecteer

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NL

Scientific

Selecteer

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)
Elderly (65 years and older)

Inclusion criteria

- Presence of at least six natural teeth per quadrant (without wisdom teeth)
- Minimum age of 18 years old
- The capacity to read and understand the informed consent

Exclusion criteria

- DPSI 3+ or DPSI 4 (periodontitis risk)
- ASA score 3 or more
- Persons with a pacemaker

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Single blinded (masking used)
Control:	Active
Primary purpose:	Prevention

Recruitment

NL	
Recruitment status:	Will not start
Enrollment:	30
Type:	Anticipated

Medical products/devices used

Generic name:	Sonicare AirFloss
Registration:	Yes - CE intended use

Ethics review

Approved WMO

Date: 08-12-2016

Application type: First submission

Review commission: METC Universitair Medisch Centrum Groningen (Groningen)

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
CCMO	NL58315.042.16