

4 different brushing times of an oscillating rotating electric toothbrush

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Aim: The aim of the present study was to test the effect of duration of toothbrushing on plaque reduction for a powered toothbrush compared to a manual toothbrush.

Ethical review	Approved WMO
Status	Pending
Health condition type	Other condition
Study type	Interventional

Summary

ID

NL-OMON30129

Source

ToetsingOnline

Brief title

4 different brushing times

Condition

- Other condition

Synonym

inflammation of the gingiva

Health condition

gingivitis

Research involving

Human

Sponsors and support

Primary sponsor: Braun GmbH / Gillette Technology Center

Source(s) of monetary or material Support: Braun GmbH / Gillette Technology Center

Intervention

Keyword: brushing time, electric toothbrush, plaque

Outcome measures

Primary outcome

Endpoint: by standardized measurements and score procedures determine the effect of the oral hygiene procedure on levels of plaque over the evaluation period.

Secondary outcome

nvt

Study description

Background summary

Background: Effective plaque removal can clearly be achieved by brushing with a manual or an electric toothbrush, but for success the patient must be diligent and brush regularly for a sufficient length of time. Since time is a precious good nowadays, it is interesting to know what the minimum time should be to brush the teeth properly. In this particular study different lengths of brushing durations will be investigated.

Study objective

Aim: The aim of the present study was to test the effect of duration of toothbrushing on plaque reduction for a powered toothbrush compared to a manual toothbrush.

Study design

Material and methods: This study is designed to test the effect of duration of toothbrushing on plaque reduction for a powered toothbrush compared to a manual toothbrush. After abstaining for two days from oral hygiene, plaque will be assessed. After this the subjects brush themselves under supervision of a dental hygienist whereby the time of brushing increases from 30 till 120 seconds for the whole mouth. Then plaque will again be assessed. This study consists of an experiment which will be divided over two visits in which the

duration of toothbrushing differs per quadrant and a manual toothbrush will act as a control. Brushing duration as well as brush type, being electric and manual will be randomized over the quadrants.

Intervention

Intervention: Improvement of gingival health by removing plaque with the electric toothbrush and the manual toothbrush.

Study burden and risks

Risk for subjects: none.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)

Elderly (65 years and older)

Inclusion criteria

At least 5 evaluable teeth in each quadrant

Exclusion criteria

No partial dentures, orthodontics banding or wires

No oral lesions or periodontal pockets >5mm

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:	Pending
Start date (anticipated):	01-09-2006
Enrollment:	50
Type:	Anticipated

Ethics review

Approved WMO	
Application type:	First submission
Review commission:	METC Amsterdam UMC

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	NL13683.018.06