

# The effect of application of 0.12% chlorhexidine gel-toothpaste compared to 0.12% chlorhexidine mouthwash and regular toothpaste in a 3 day non-brushing model on plaque accumulation

<b>Submission date</b> 01/12/2005	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 01/12/2005	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 10/09/2009	<b>Condition category</b> Oral Health	<input type="checkbox"/> Individual participant data

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

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## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**

NTR274

## **Study information**

**Scientific Title**

**Acronym**

DAGMAR - Daily Application of a Gingival Maintenance Antimicrobial Regimen

**Study objectives**

Tray application of 0.12% chlorhexidine gel-toothpaste has more than 15% better effect on 'de novo' plaque accumulation compared to tray application of regular toothpaste in a 3 day non-brushing model.

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Not provided at time of registration

**Study design**

Randomised controlled trial

**Primary study design**

Interventional

**Secondary study design**

Randomised controlled trial

**Study setting(s)**

Not specified

**Study type(s)**

Not Specified

**Participant information sheet**

**Health condition(s) or problem(s) studied**

Dental plaque

**Interventions**

Tray application of 0.12% chlorhexidine gel-toothpaste twice daily for 2 minutes or tray application of regular toothpaste twice daily for 2 minutes or rinsing with 0.12% chlorhexidine mouthwash twice daily for 1 minute, during a 3 day non-brushing period.

**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome measure**

Quigley & Hein plaque-index after 3 days (72 hours) of 'de novo' plaque accumulation.

**Secondary outcome measures**

Results from the visual analogue scale (VAS) questionnaire to evaluate the subject's attitude towards the used products.

**Overall study start date**

19/09/2005

**Completion date**

03/10/2005

**Eligibility****Key inclusion criteria**

1.  $\geq 18$  years
2. Systemically healthy
3.  $\geq 20$  teeth
4. 5 teeth per quadrant
5. No pockets  $> 5$  mm
6. No orthodontic appliances
7. No removable (partial) dentures

**Participant type(s)**

Patient

**Age group**

Adult

**Lower age limit**

18 Years

**Sex**

Both

**Target number of participants**

90

**Key exclusion criteria**

1. Use of medication possibly influencing normal gingival health
2. Pregnancy

**Date of first enrolment**

19/09/2005

**Date of final enrolment**

03/10/2005

## **Locations**

**Countries of recruitment**

Netherlands

**Study participating centre**

Hogeschool INHOLLAND

Amsterdam

Netherlands

1066 EA

## **Sponsor information**

**Organisation**

Academic Centre for Dentistry in Amsterdam (ACTA) (Netherlands)

**Sponsor details**

Louwesweg 1

Amsterdam

Netherlands

1066 EA

**Sponsor type**

University/education

**Website**

<http://www.acta.nl/>

**ROR**

<https://ror.org/04x5wnb75>

## **Funder(s)**

**Funder type**

University/education

**Funder Name**

## Results and Publications

### Publication and dissemination plan

Not provided at time of registration

### Intention to publish date

### Individual participant data (IPD) sharing plan

### IPD sharing plan summary

Not provided at time of registration

### Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>	results	01/02/2007		Yes	No