

# Assessment of erosive tissue loss in adolescents, a clinical pilot study.

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The aim of this study is to assess (variation in) the rate of wear in adolescents with erosive tooth wear in a 6 month period.

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruiting
<b>Health condition type</b>	Other condition
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON34225

### Source

ToetsingOnline

### Brief title

Erosive tooth wear in adolescents.

## Condition

- Other condition

### Synonym

Dental tooth wear, erosive wear

### Health condition

Gebitsslijtage

### Research involving

Human

## Sponsors and support

**Primary sponsor:** Universitair Medisch Centrum Sint Radboud

**Source(s) of monetary or material Support:** Ministerie van OC&W,GABA international

## Intervention

**Keyword:** Adolescents, Erosive wear, Tooth tissue loss

## Outcome measures

### Primary outcome

The study parameters are the mean tissue loss and mean standard deviation, after 6 months.

### Secondary outcome

0; N.A.

## Study description

### Background summary

Erosive tooth wear is becoming increasingly significant in the management of the long-term health of the dentition. Especially among adolescents the prevalence of erosion is high. To estimate the clinical effect of preventive measurements, information about the amount of erosive wear in adolescents is necessary.

### Study objective

The aim of this study is to assess (variation in) the rate of wear in adolescents with erosive tooth wear in a 6 month period.

### Study design

Observational study

### Study burden and risks

The children need to attend the dental clinic three times in a six month period. One bracket and iron metal sections will be placed on their teeth. Silicone impressions will be made. The risks associated with participation are negligible. The only burden for these children is wearing a bracket that might irritate the buccal mucosa in the first two weeks and a higher risk of

development of caries next to the bracket.

## Contacts

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### **Scientific**

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## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### **Age**

Adolescents (12-15 years)

Adolescents (16-17 years)

### Inclusion criteria

Tooth wear severity score 2 or higher

### Exclusion criteria

Presence of orthodontic devices in the mouth.

ASA score > 1

Presence of palatal contact between the upper central anterior teeth (11 and 21) and lower

anterior teeth  
Cavitated teeth  
Periodontitis (DPSI >2)  
Use of tooth erosion inhibiting dentifrices or rinses

## Study design

### Design

**Study type:** Observational non invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Diagnostic

### Recruitment

NL

Recruitment status: Recruiting

Start date (anticipated): 09-05-2011

Enrollment: 18

Type: Actual

## Ethics review

Approved WMO

Date: 09-02-2011

Application type: First submission

Review commission: CMO regio Arnhem-Nijmegen (Nijmegen)

## 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	NL34432.091.10