

# Function of the masticatory system after high partial condylectomy in patients with unilateral condylar hyperactivity - a retrospective study on the function of the masticatory system including the temporomandibular joints after condylectomy in patients with Unilateral Condylar Hyperactivity -

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To answer the next questions::What is the (long term) function of the TMJ in UCH patients after a condylectomy in comparison to a control group matched for age and gender?How do UCH patients score the function of the TMJ after a condylectomy?

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruiting
<b>Health condition type</b>	Bone and joint therapeutic procedures
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON31691

### Source

ToetsingOnline

### Brief title

Masticatory system function after high partial condylectomy in UCH patients

### Condition

- Bone and joint therapeutic procedures

**Synonym**

growth of the mandibular condyle, unilateral condylar hyperactivity

**Research involving**

Human

**Sponsors and support**

**Primary sponsor:** Vrije Universiteit Medisch Centrum

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

**Intervention**

**Keyword:** condylectomy, Temporo mandibular joint, Unilateral Condylar Hyperactivity

**Outcome measures****Primary outcome**

What is the function of the masticatory system after a high (partial) condylectomy in patients with a unilateral condylar hyperactivity? This will be investigated by manual assessment of the function of the TMJ.

**Secondary outcome**

Subjective evaluation of TMJ function will be assessed by means of a questionnaire

**Study description****Background summary**

Unilateral Condylar Hyperactivity (UCH) is characterized by an asymmetrical development of the lower jaw based on unilateral growth of the mandibular condyle. If clinical progression of the asymmetry is based on a hyperactive condylar growth center, a high partial condylectomy can be performed to eliminate the growth site. Many surgeons are hesitant when it comes to performing a condylectomy because of the assumed high morbidity and disfunction of the temporomandibular joint. These assumptions are not evidence based and our experience with a relatively large patientgroup is that the morbidity is low, without any major setback in function. We would like to evaluate our

postoperative patientgroup by means of manual function tests as well as a questionnaire.

## **Study objective**

To answer the next questions::

What is the (long term) function of the TMJ in UCH patients after a condylectomy in comparison to a control group matched for age and gender?

How do UCH patients score the function of the TMJ after a condylectomy?

## **Study design**

Observational research, retrospective, patient-control study

## **Study burden and risks**

The burden is minimal and consists of manual assessment of the TMJ function (30 minutes) and filling out a questionnaire (30 minutes).

## **Contacts**

### **Public**

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## **Trial sites**

### **Listed location countries**

Netherlands

## Eligibility criteria

### Age

Adults (18-64 years)

Elderly (65 years and older)

### Inclusion criteria

Patients: those who underwent a high partial condylectomy because of a unilateral condylar hyperactivity

Controlgroup: Matched for age and gender

### Exclusion criteria

Patients: UCH patients that are not treated surgically

Controlgroup: known temporomandibular joint disorders

## Study design

### Design

Study type: Observational non invasive

Intervention model: Other

Allocation: Non-randomized controlled trial

Masking: Open (masking not used)

**Primary purpose:** Treatment

### Recruitment

NL

Recruitment status: Recruiting

Start date (anticipated): 01-06-2008

Enrollment: 100

Type: Actual

## Ethics review

Approved WMO

Date: 20-06-2008

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	NL21144.029.07