

# Functional and radiological outcome after a Weaver-Dunn procedure.

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To evaluate the clinical and radiological outcome of patients with a Rockwod grade III AC-dislocation and chronic complaints after surgical treatment according to the Weaver-Dunn procedure.

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruitment stopped
<b>Health condition type</b>	Joint disorders
<b>Study type</b>	Observational invasive

## Summary

### ID

NL-OMON37088

### Source

ToetsingOnline

### Brief title

niet van toepassing

### Condition

- Joint disorders

### Synonym

'Acromioclavicular dislocation', 'seperated shoulder'

### Research involving

Human

### Sponsors and support

**Primary sponsor:** Academisch Medisch Centrum

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

## Intervention

**Keyword:** Acromioclavicular dislocation, Surgery, Tossy III, Weaver-Dunn

## Outcome measures

### Primary outcome

- Constant-Murley score: a measure for the functional outcome of the shoulder girdle

### Secondary outcome

- SF-36 questionnaire: vragenlijst ter beoordeling van gezondheidsgerelateerde kwaliteit van leven

- Visual Analogue Score: maat voor de pijn die de proefpersoon ondervindt

- Disabilities of Arm, Shoulder and Hand score: klinische uitkomst maat van de arm, schouder en hand

- Meting van range of motion

- Radiologische beoordeling van röntgenopname op elevatie van de clavícula

- SF-36 questionnaire: a questionnaire reflecting the health-related quality of life.

- Visual Analogue Scale (VAS): a scale for assessment of pain.

- The Disabilities of Arm, Shoulder and Hand score (DASH-score): a clinical outcome score for the arm, shoulder and the hand

- Measurement of the ranges of motion in the shoulder joint

- Radiological evaluation the x-ray for elevation of the clavicle

## Study description

### Background summary

Acromioclavicular dislocations are a common problem in the emergency room. These dislocations can be divided into 6 types according to the classification of Tossy, later expanded by Rockwood. No consensus has been achieved on the treatment of Rockwood grade III dislocations, which can be treated either operatively or non-operatively. Research shows that there is no difference in clinical or functional outcome between the two treatments. However, there are indications that surgery in a select group of patients might improve clinical and functional results. This group includes patients with chronic pain, pain during motion or limited motion, with complaints while sleeping or patients being unable to return to their activities or occupation to the level prior to the injury. At the AMC Amsterdam these patients undergo surgery according to a Weaver-Dunn procedure. Our hypothesis is that surgery according to a Weaver-Dunn procedure in these patients leads to good to excellent clinical and functional results.

### Study objective

To evaluate the clinical and radiological outcome of patients with a Rockwood grade III AC-dislocation and chronic complaints after surgical treatment according to the Weaver-Dunn procedure.

### Study design

This is a retrospective case series of patients diagnosed with an AC-dislocation treated according to a Weaver-Dunn procedure in the AMC Amsterdam or Flevoziekenhuis Almere since 2000. Patients will be asked to show up for filling out questionnaires, undergoing physical examination and radiographic evaluation of the shoulder girdle. The results will be gathered and means and standard deviations will be calculated.

### Study burden and risks

Patients will be exposed to radiation when making the x-ray. The risks of this exposure are considered negligible. Furthermore, patients will have to fill out several questionnaires and undergo physical examination of the shoulder, which could be considered as a burden for the patient.

## 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

1. Patients treated at either AMC Amsterdam or Flevoziekenhuis Almere
2. Diagnosed with a type III AC dislocation
3. Minimum follow-up of 6 months
4. Operatively treated by means of the Weaver-Dunn method
5. \*18 years w
6. Good understanding of written and spoken Dutch language

### Exclusion criteria

1. Previously diagnosed with a clavicle fracture or other injury involving the shoulder girdle in the same extremity
2. Additional fractures or dislocations in the same extremity at presentation

## Study design

### Design

**Study type:** Observational invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Treatment

### Recruitment

NL

Recruitment status: Recruitment stopped

Start date (anticipated): 15-10-2012

Enrollment: 17

Type: Actual

## Ethics review

Approved WMO

Date: 04-09-2012

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

CCMO

### ID

NL40718.018.12