

# Amsterdam Wrist Rules

No registrations found.

<b>Ethical review</b>	Positive opinion
<b>Status</b>	Recruitment stopped
<b>Health condition type</b>	-
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON20810

### Source

NTR

### Brief title

AWR

### Health condition

polsfractuur, distale radius, klinische beslisregel  
wrist fracture, distal radius, clinical decision rule

## Sponsors and support

**Primary sponsor:** Academisch Medisch Centrum, Amsterdam

**Source(s) of monetary or material Support:** ZonMw

## Intervention

## Outcome measures

### Primary outcome

The number of requested X-rays in adult patients with acute injury of the wrist after implementation of the AWR.

### Secondary outcome

- The number of clinically relevant missed fractures of the distal radius after implementation

of the AWR

- The reduction of overall waiting time at the ED
- Cost-effectiveness of the AWR

## Study description

### Background summary

Almost every adult patient who sustained wrist trauma is referred for radiological examination to rule out a wrist fracture. However, around 50% of these X-rays do not show a fracture. The Amsterdam Wrist Rule is an externally validated clinical decision rule, based on clinical parameters, which helps determine the need for radiography in patients with wrist trauma. With this study we aim to evaluate the implementation of the Amsterdam Wrist Rules in the Emergency Department.

### Study objective

With implementation of the AWR we expect a reduction in the total amount of radiographs requested, without missing any clinical relevant fractures. We also expect a reduction in overall waiting times at the ED and a total amount of cost savings around 4 million euro's a year.

### Study design

Outcomes will be evaluated at the end of the inclusion period.

### Intervention

None.

## Contacts

### Public

Amsterdam UMC, location Academic Medical Center  
Marjolein A.M. Mulders  
Amsterdam 1105 AZ  
The Netherlands  
+31628243430

### Scientific

Amsterdam UMC, location Academic Medical Center  
Marjolein A.M. Mulders  
Amsterdam 1105 AZ  
The Netherlands  
+31628243430

## Eligibility criteria

### Inclusion criteria

All consecutive adult patients presenting with acute wrist trauma at the Emergency Department.

### Exclusion criteria

- The injury occurred more than 72 hours previous to the presentation at the Emergency Department
- Patients who sustained multiple injuries with an Injury Severity Score (ISS) more than 16
- Patients whose X-rays were requested previous to their visit to the Emergency Department (for example by their general practitioner)
- A wrist fracture in the past 3 months

## Study design

### Design

Study type:	Observational non invasive
Intervention model:	Parallel
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

## Recruitment

NL  
Recruitment status: Recruitment stopped  
Start date (anticipated): 01-12-2014  
Enrollment: 377  
Type: Actual

## IPD sharing statement

**Plan to share IPD:** Undecided

## Ethics review

Positive opinion  
Date: 02-03-2015  
Application type: First submission

## 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
NTR-new	NL4735
NTR-old	NTR5074
Other	METC AMC : W13_101 # 14.17.0327

## Study results

### Summary results

Bentohami A, Walenkamp MMJ, Slaar A, Beerekamp MSH, de Groot JaH, Verhoog EM, et al. Amsterdam wrist rules: a clinical decision aid. BMC musculoskeletal disorders. 2011;12:238.