

# The Amsterdam Paediatric 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-OMON25492

### Source

Nationaal Trial Register

### Brief title

APWR

### Health condition

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

## Sponsors and support

**Primary sponsor:** Academic Medical Centre, Amsterdam

**Source(s) of monetary or material Support:** Innovatiefonds Zorgverzekeraars

## Intervention

## Outcome measures

### Primary outcome

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

### Secondary outcome

- The number of clinically relevant missed fractures of the distal radius and distal ulna in

children 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 child who sustains 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 Paediatric Wrist Rule is an externally validated clinical decision rule, based on clinical parameters, which helps determine the need for radiography in children with wrist trauma. With this study we aim to evaluate the implementation of the Amsterdam Paediatric Wrist Rules in the Emergency Department.

### Study objective

With implementation of the APWR 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 3 million euro's a year.

### Study design

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

### Intervention

X-ray of the wrist or not.

## Contacts

### Public

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

### Scientific

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

## Eligibility criteria

### Inclusion criteria

All patients from 3 till 18 years 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):	01-11-2015
Enrollment:	377
Type:	Actual

## IPD sharing statement

**Plan to share IPD:** Undecided

## Ethics review

Positive opinion	
Date:	18-03-2015
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	NL4860
NTR-old	NTR5105
Other	14.17.0327 : W13_101

## Study results