# Arthropathy in acromegaly: Evaluation of Progression, characteristics of Osteophytes, quality of Life and medical care, Imaging and Structure of cartilage in acromegalic patients 2016 (ACROPOLIS 2016)

Published: 28-11-2016 Last updated: 14-04-2024

We aim to further study the characteristics of joint disease in acromegaly and its progression, in order to improve care for this patient group and to get insight into the pathogenesis of osteophytes and cartilage hypertrophy in acromegaly and in...

**Ethical review** Approved WMO

**Status** Recruitment stopped

**Health condition type** Hypothalamus and pituitary gland disorders

**Study type** Observational non invasive

## Summary

#### ID

NL-OMON42983

**Source** 

**ToetsingOnline** 

**Brief title** 

**ACROPOLIS 2016** 

#### **Condition**

- Hypothalamus and pituitary gland disorders
- Joint disorders

#### **Synonym**

acromegaly; growth hormone producing benign tumor of the pituitary gland

## Research involving

Human

## **Sponsors and support**

Primary sponsor: Endocrinologie

Source(s) of monetary or material Support: projectgelden

## Intervention

**Keyword:** acromegaly, arthropathy, progression, quality of life

#### **Outcome measures**

#### **Primary outcome**

Clinical parameters of regular care, such as biochemical functional parameters

**Questionnaires** 

Radiological parameters

Genetic analyses

## **Secondary outcome**

NVT

# **Study description**

#### **Background summary**

Despite long-term cure of acromegaly, patients have decreased quality of life scores and a high prevalence of co-morbidity, especially arthropathy and hypertension. Joint problems were reported in 77% of the patients with long-term cured acromegaly. In the baseline visit of the ACROPOLIS study we reported that patients with acromegaly frequently have generalized radiological and clinical osteoarthritis. However, the distribution of radiological abnormalities, such as osteophytes and joint space narrowing is different compared with primary osteoarthritis. In our first follow-up visit, 2.5 years after baseline, we reported radiographic progression in over 70% of patients. Subjective progression and clinical complaints deteriorated as well. As previously described, changes in clinical symptoms were not associated with radiographic progression. Moreover, we reported that treatment with SMS

analogues was associated with an increased radiographic osteoarthritis progression.

### Study objective

We aim to further study the characteristics of joint disease in acromegaly and its progression, in order to improve care for this patient group and to get insight into the pathogenesis of osteophytes and cartilage hypertrophy in acromegaly and in primary osteoarthritis.

## Study design

Cross-sectional longitudinal observational follow-up study

### Study burden and risks

**NVT** 

## **Contacts**

#### **Public**

Selecteer

Albinusdreef 2 Leiden 2333ZA NL

**Scientific** 

Selecteer

Albinusdreef 2 Leiden 2333ZA NL

## **Trial sites**

### **Listed location countries**

Netherlands

# **Eligibility criteria**

## Age

Adults (18-64 years) Elderly (65 years and older)

## **Inclusion criteria**

Acromegaly

## **Exclusion criteria**

age <18 years or > 70 years old mentally incompentent pregnancy

# Study design

## Design

Study type: Observational non invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Basic science

#### Recruitment

NL

Recruitment status: Recruitment stopped

Start date (anticipated): 02-12-2016

Enrollment: 100

Type: Actual

## **Ethics review**

Approved WMO

Date: 28-11-2016

Application type: First submission

Review commission: METC Leids Universitair Medisch Centrum (Leiden)

Approved WMO

Date: 23-08-2017

Application type: Amendment

Review commission: METC Leids Universitair Medisch Centrum (Leiden)

## **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 NL58163.058.16

# **Study results**

Date completed: 15-09-2021

Actual enrolment: 25