

# Molecular determinants of bone mineral density in children with acute lymphoblastic leukemia and the role of intervention by physical activities and calcium and vitamin D supplement as a preventive strategy.

No registrations found.

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

## Summary

### ID

NL-OMON28168

### Source

NTR

### Brief title

intervention study on BMD in ALL

### Health condition

ALL patients included in the ALL9 study.

## Sponsors and support

**Primary sponsor:** KOCR rotterdam

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

## Intervention

## Outcome measures

### Primary outcome

Increase of BMD.

### Secondary outcome

Decrease of fracture rate.

## Study description

### Background summary

The treatment of pediatric ALL results in decrease of BMD and an elevated fracture rate. This study investigates whether intervention with physical activity improves BMD and reduces fracture rate during and after treatment for pediatric ALL.

### Study objective

Intervention with adequate calcium and vitamin D and physical activities will influence BMD and fracture rate in a positive way during and after treatment for childhood ALL.

### Study design

N/A

### Intervention

Controlled physical activities.

## Contacts

### Public

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### Scientific

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## Eligibility criteria

### Inclusion criteria

Patients 4-18 with ALL, without a physical handicap.

### Exclusion criteria

Age < 3 years.

## Study design

### Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Single blinded (masking used)
Control:	Placebo

### Recruitment

NL	
Recruitment status:	Recruitment stopped
Start date (anticipated):	01-09-2001
Enrollment:	80
Type:	Actual

## Ethics review

Positive opinion

Date: 14-09-2005

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	NL437
NTR-old	NTR477
Other	: MEC nr 193.291/2000/144 and 114.720/1991/62
ISRCTN	ISRCTN23173889

## Study results

### Summary results

N/A