# Pilot Study: Identification of Cow's Milk Protein T Cell Specific Epitopes in Children with Cow's Milk Allergy

Published: 27-05-2008 Last updated: 07-05-2024

The aim of this study is to identify cow's milk protein T cell specific epitopes in children with cow's milk allergy. The results of this study will be implemented in a controlled, prospective follow-up study, \*Cow\*s milk allergy: a clue...

Ethical review	Approved WMO
Status	Pending
Health condition type	Allergic conditions
Study type	Observational invasive

# Summary

#### ID

NL-OMON31440

**Source** ToetsingOnline

**Brief title** Identification of CMP T Cell Specific Epitopes in Chidren with CMA

### Condition

• Allergic conditions

**Synonym** Cow's milk allergy

**Research involving** Human

# **Sponsors and support**

**Primary sponsor:** Academisch Medisch Centrum **Source(s) of monetary or material Support:** Ministerie van OC&W

1 - Pilot Study: Identification of Cow's Milk Protein T Cell Specific Epitopes in Ch ... 15-05-2025

### Intervention

Keyword: Cow's milk allergy, Epitope, protein, T cell

#### **Outcome measures**

#### **Primary outcome**

To identify cow's milk protein T cell specific epitopes in children with CMA.

#### Secondary outcome

To investigate the T Cell specific cytokine production induced by these

epitopes in children wit CMA.

# **Study description**

#### **Background summary**

The incidende of allergic disorders has increased during the last decades. Cow's milk allergy (CMA) is the most common allergic disorder in early infancy and is the precursor of other allergic disorders as asthma, atopic dermatitis and hay fever ("the allergic march"). CMA is a multi-organ disaese and most children become tolerant for cow's milk protein (CMP), but the subsequent development of additional allergic disorders is substantial. The mechanisms behind these phenomena are poorly understood.

#### **Study objective**

The aim of this study is to identify cow's milk protein T cell specific epitopes in children with cow's milk allergy. The results of this study will be implemented in a controlled, prospective follow-up study, \*Cow\*s milk allergy: a clue in understanding the allergic march?\* (MEC 05/254).

#### Study design

Case study

#### Study burden and risks

During a routine blood draw an extra amount of blood (10ml) will be collected.

Emla cream will be used to numb the skin of the child before the blood draw. There are no risks associated with participation in this study other then the risks associated with a routine venous blood draw. There are no benefits for the children participating in this study.

# Contacts

Public Academisch Medisch Centrum

Meibergdreef 9 1105 AZ amsterdam Nederland **Scientific** Academisch Medisch Centrum

Meibergdreef 9 1105 AZ amsterdam Nederland

# **Trial sites**

# **Listed location countries**

Netherlands

# **Eligibility criteria**

**Age** Children (2-11 years)

# **Inclusion criteria**

Children with CMA, 1-12 years of age.

### **Exclusion criteria**

None

3 - Pilot Study: Identification of Cow's Milk Protein T Cell Specific Epitopes in Ch ... 15-05-2025

# Study design

### Design

Study type: Observational invasive		
Masking:	Open (masking not used)	
Control:	Uncontrolled	
Primary purpose:	Basic science	

### Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	01-03-2008
Enrollment:	15
Туре:	Anticipated

# **Ethics review**

Approved WMO	
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

ССМО

**ID** NL15710.018.08