

# Post travel screening

## Screening for relevant parasitic infections in asymptomatic travellers returning from the tropics

Published: 14-05-2007

Last updated: 09-05-2024

To determine the usefulness of multiplex real-time pcr to detect asymptomatic parasitic infections in travellers returning from the tropics.

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Pending
<b>Health condition type</b>	Other condition
<b>Study type</b>	Observational non invasive

### Summary

#### ID

NL-OMON30288

#### Source

ToetsingOnline

#### Brief title

Post travel screening

#### Condition

- Other condition
- Gastrointestinal infections
- Protozoal infectious disorders

#### Synonym

parasitic infection; tropical infection

#### Health condition

worm-infectieziekten

## Research involving

Human

## Sponsors and support

**Primary sponsor:** Leids Universitair Medisch Centrum

**Source(s) of monetary or material Support:** Ministerie van OC&W

## Intervention

**Keyword:** travel screening parasites PCR

## Outcome measures

### Primary outcome

Prevalence of parasitic infections detected by multiplex PCR or schistosomal serology

### Secondary outcome

Possible risk factors identifying those who are carrying parasites

Secondary infections in close contacts with *Entamoeba histolytica*

Costs per detected case of asymptomatic infection

## Study description

### Background summary

Potentially serious asymptomatic infection is common in travellers. Multiplex real-time polymerase chain reaction (pcr) offers the possibility to screen returning travellers for asymptomatic parasitic infections which may lead to serious disease many years after return.

### Study objective

To determine the usefulness of multiplex real-time pcr to detect asymptomatic parasitic infections in travellers returning from the tropics.

### Study design

Prospective study. A structured questionnaire on travel history, complaints and medication and stool samples are collected before travel, and 2 weeks and 8 weeks after return. Schistosomal serology is performed for those returning from Africa.

### **Study burden and risks**

none

## **Contacts**

### **Public**

Leids Universitair Medisch Centrum

Albinusdreef 2  
2333 ZA Leiden  
Nederland

### **Scientific**

Leids Universitair Medisch Centrum

Albinusdreef 2  
2333 ZA Leiden  
Nederland

## **Trial sites**

### **Listed location countries**

Netherlands

## **Eligibility criteria**

### **Age**

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

### **Inclusion criteria**

travellers to Central- or South-America, East Europe, Africa, Middle or Far East, and a stay for

>=4 weeks or a stay >1 week but less than 4 weeks and intensive contact with the indigenous population

## Exclusion criteria

travellers to North America, West - or South Europe, and Australia

## Study design

### Design

**Study type:** Observational non invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Diagnostic

### Recruitment

NL

Recruitment status: Pending

Start date (anticipated): 01-12-2006

Enrollment: 1000

Type: Anticipated

## Ethics review

Approved WMO

Application type: First submission

Review commission: METC Leids Universitair Medisch Centrum (Leiden)

## Study registrations

### Followed up by the following (possibly more current) registration

No registrations found.

4 - Post travel screening Screening for relevant parasitic infections in asymptomat ... 4-05-2025

## Other (possibly less up-to-date) registrations in this register

No registrations found.

## In other registers

### Register

CCMO

### ID

NL15333.058.06