

# The Staphylococcus aureus bacteria with insensitivity for methicillin antibiotics: a search for new risk factors and renewal of the guidelines / De Staphylococcus aureus bacterie met ongevoeligheid voor meticilline antibiotica: Een zoektocht naar nieuwe risicofactoren en vernieuwing van de richtlijnen.

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-OMON23061

### Source

NTR

### Brief title

MUO

### Health condition

What are the source(s), or origin(s), mode(s) of transmission and determinants of acquisition of MRSA of Unknown Origin (MUO) found in persons without presently known risk factor for MRSA carriage as defined by the current National WIP guideline?

## Sponsors and support

**Primary sponsor:** ZonMW

**Source(s) of monetary or material Support:** ZonMW (dutch government)

## Intervention

## Outcome measures

### Primary outcome

Development of a new algorithm. Implementation of the new algorithm by the HCC's and public health. Evaluation of the algorithm is done by comparing the rate of MRSA carriers characterized as belonging to one of the defined risk groups (including new ones), to the rate of MRSA defined as MUO. If this study identified significant risk groups and implementation of this knowledge is sufficient, the risk group rate will increase over time.

### Secondary outcome

A found difference in characteristics (phenotype, profiling, genetics) for MUO (MRSA) strains.

## Study description

### Background summary

The Erasmus MC, department of Medical Microbiology and Infectious diseases has teamed up with the Center of Infectious Disease Control of the RIVM for a new research project. The research project is about MRSA of Unknown Origin: MUO – Risk Assessment and Adjustment of Risk Classification. The research team, under guidance of M.C.Vos (ErasmusMC) and N. van de Sande (CIb/EPI), will try to sort out what causes an alarming rise of MRSA-prevalence outside the healthcare facilities, presumably due to unknown sources. This rise consists out of carriers without known risk factors, who fall outside our described risk categories in the WIP guideline. This could be a threat to our successful Search&Destroy policy.

The aim of the research is to find an explanation for the presence of MUO in people without known risk factors for MRSA carriage. If a reason is found, this will result in adaptation of the current guidelines. This study is financed by ZonMW (government).

### Study objective

The current rise of CA-MRSA in the Netherlands is due to them all being MRSA of Unknown Origin (MUO). We do not know the risk factors yet of these. If we do, the CA-MRSA will drop.

## Study design

No interim analysis needed/planned.

## Intervention

None.

## Contacts

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## Eligibility criteria

### Inclusion criteria

MRSA send by the laboratory to the RIVM. Inclusion based on being a MUO by routine questionnaire.

## Exclusion criteria

Case with (severely) incomplete background epidemiological data.

## Study design

### Design

Study type:	Observational non invasive
Intervention model:	Other
Masking:	Open (masking not used)
Control:	N/A , unknown

### Recruitment

NL	
Recruitment status:	Recruitment stopped
Start date (anticipated):	01-07-2009
Enrollment:	600
Type:	Actual

## Ethics review

Positive opinion	
Date:	01-10-2009
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	NL1924
NTR-old	NTR2041
Other	ZonMW / METC ErasmusMC : 50-50800-98-085 / MEC-2009-415
ISRCTN	ISRCTN wordt niet meer aangevraagd.

## Study results

### Summary results

N/A