SARS-CoV-2 serology testing in healthcare professionals

Published: 07-07-2020
Last updated: 19-08-2024

The aim of this study is to establish how many employees at Reade have had an infection with SARS-CoV-2, tested with a novel assay for the detection of antibodies against SARS-CoV-2 developed by Sanquin. This study will focus on our own institute,...

Ethical review	Approved WMO
Status	Recruiting
Health condition type	Viral infectious disorders
Study type	Observational invasive

Summary

ID

NL-OMON50162

Source
ToetsingOnline

Brief title
SARS-CoV-2 serology testing in healthcare professionals

Condition

- Viral infectious disorders

Synonym
coronavirus, COVID-19

Research involving
Human

Sponsors and support

Primary sponsor: Reade, reumatologie en revalidatie te Amsterdam
Source(s) of monetary or material Support: Dit onderzoek zal gefinancierd worden door Reade

Intervention

Keyword: healthcare, professionals, SARS-CoV-2, serology

Outcome measures

Primary outcome

The primary study parameter is the proportion of Reade employees which is

SARS-CoV-2 IgM or IgG positive at baseline and after 6 months of follow-up.

Secondary outcome

The secondary study parameter is the proportion of asymptomatic SARS-CoV-2

positive healthcare professionals.

Study description

Background summary

COVID-19 has caused an extensive burden on the healthcare system. The main reasons for this burden is the sudden increased influx of COVID-19 patients, outage of healthcare professionals and third probably unnecessary self-isolation of healthcare professionals. To keep the health institutions and services up and running we need to better understand the in-hospital transmission. One way to do that is to start testing healthcare professionals, preferable in a more sustainable way by serology testing, on their presence of SARS-CoV-2 IgM or IgG antibodies.

Study objective

The aim of this study is to establish how many employees at Reade have had an infection with SARS-CoV-2, tested with a novel assay for the detection of antibodies against SARS-CoV-2 developed by Sanquin. This study will focus on our own institute, Reade, which is a rheumatology and revalidation centre in Amsterdam.

Study design

The design of the study is an explorative descriptive study. At two time points participants are asked to fill out a short questionnaire. Next to that they are also asked to donate blood at those two time points.

The study is expected to cover approximately 9 months; recruitment and enrolment will comprise 1 month, follow-up 6 months and analyses 2 months.

Study burden and risks

This is an observational study. The study comprises a questionnaire that does not probe any *sensitive* topics. The blood test does not probe any sensitive determinants. During each visit 10 cc blood will be drawn. As such, we have asked the METC for exemption for insurance which covers compensation for injury.

Contacts

Public
Reade, reumatologie en revalidatie te Amsterdam

Dr. Jan van Bremenstraat 2
Amsterdam 1056 AB
NL
Scientific
Reade, reumatologie en revalidatie te Amsterdam

Dr. Jan van Bremenstraat 2
Amsterdam 1056 AB
NL

Trial sites

Listed location countries

Netherlands

Eligibility criteria

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

Inclusion criteria

* Employed at Reade;
* Age * 18 years.

Exclusion criteria

* Language problems precluding the completion of the questionnaire;
* Lack of informed consent.

Study design

Design

Study type: Observational invasive

Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Health services research

Recruitment

NL

Recruitment status:	Recruiting
Start date (anticipated):	30-07-2020
Enrollment:	700
Type:	Actual

Ethics review

Approved WMO

Date:	07-07-2020
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	ID
CCMO	NL74098.029.20