

Risk of infection with SARS-CoV-2 amongst physicians

No registrations found.

Ethical review	Positive opinion
Status	Pending
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON21607

Source

NTR

Brief title

COVID-AGP

Health condition

COVID-19

Sponsors and support

Primary sponsor: Amsterdam University Medical Center, location AMC and University Medical Center Utrecht (UMCU)

Source(s) of monetary or material Support: None

Intervention

Outcome measures

Primary outcome

Incidence of doctors with positive PCR test for COVID-19

Secondary outcome

Study description

Background summary

Risico op besmetting met SARS-CoV-2 in artsen

Uit onderzoek naar de SARS uitbraak in 2003 bleek dat ongeveer de helft van de besmettingen plaatsvonden bij zorgpersoneel, en met name bij degenen die aerosol generende handelingen uitvoerden, zoals intubaties. Er is weinig bekend over het risico op besmetting met SARS-CoV-2 onder artsen die betrokken waren bij de zorg voor COVID-19 patiënten in de afgelopen maanden. Het is evenmin duidelijk of dit risico verschillend is onder artsen van verschillende specialismen. Dit soort informatie is voor verschillende beroepsgroepen echter van groot belang, vooral om te zien of de beschermende maatregelen afdoende waren.

Het doel van dit onderzoek is om het risico op besmetting met SARS-CoV-2 bij artsen in kaart te brengen. We willen daarbij tevens onderscheid maken tussen artsen die COVID-19 patiënten hebben behandeld op de ICU en/of op een COVID-19 cohort afdeling, versus artsen die niet betrokken waren bij de behandeling van COVID-19 patiënten. Concreet willen wij een vergelijking maken van het percentage besmette anesthesiologen, internisten, intensivisten, versus longartsen, versus chirurgen, versus psychiaters en revalidatieartsen.

Risk of contamination with SARS-CoV-2 amongst physicians

Research into the SARS outbreak in 2003 showed that approximately half of the infections were in health care personnel, especially those who performed aerosol generating procedures, such as intubations. Little is known about the risk of infection with SARS-CoV-2 amongst doctors who were involved in caring for patients with COVID-19 in the last months. It is also unclear if the risk is different in the various medical specialities. This type of information, however is of great importance to evaluate whether the protective measures used were sufficient to prevent infection. The goal of this study is to determine the incidence of infection of SARS-CoV-2 in doctors. We would like to distinguish between doctors who looked after patients on the ICU and/or a COVID-19 ward, versus doctors who were not involved in the care of COVID-19 patients. We would specifically like to look at the percentage of infected anesthesiologists, physicians, intensivists versus pulmonologists, versus surgeons, versus psychiatrists, versus rehabilitation doctors.

Study objective

Doctors exposed to aerosol generating procedures (AGP) are more at risk of contracting COVID-19 than those not exposed to AGP

Study design

First survey June/July 2020, second survey September/ October 2020, third survey December

2020/January 2021, possible 4th survey March/April 2021

Intervention

None,documentation of self-reported symptoms and PCR testing

Contacts

Public

Amsterdam University Medical Center. location AMC
Jennifer Breeel

0610019257

Scientific

Amsterdam University Medical Center. location AMC
Jennifer Breeel

0610019257

Eligibility criteria

Inclusion criteria

Any physician in the following specialities, working in the Netherlands, during the COVID-19 outbreak (anesthesiologists, internal medicine, intensive care medicine, surgeons, pulmonologists, rehabilitation doctors and psychiatrists).

Exclusion criteria

None

Study design

Design

Study type: Observational non invasive

Intervention model:	Other
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	16-06-2020
Enrollment:	3000
Type:	Anticipated

IPD sharing statement

Plan to share IPD: Undecided

Ethics review

Positive opinion	
Date:	16-06-2020
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	NL8735

Register

Other

ID

METC UMC Utrecht : METC-protocolnummer- 20-407/C

Study results