

Confocal laser endomicroscopy in patients with non-resolving acute respiratory failure

No registrations found.

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

Summary

ID

NL-OMON25385

Source

NTR

Brief title

CAESAR

Health condition

ARDS, COVID19

Sponsors and support

Primary sponsor: Amsterdam UMC

Source(s) of monetary or material Support: Research grant from Mauna Kea Technologies, Paris, France

Intervention

Outcome measures

Primary outcome

Identification of specific CLE patterns of the alveolar compartment in invasively ventilated COVID 19 patients

Secondary outcome

Description of how CLE patterns change over time within the same patients, Descriptive correlation of CLE patterns with Chest CT, lung ultrasound, cytology and histology (when available), Time of procedure, Proportion of successful imaging.

Study description

Background summary

Acute respiratory distress syndrome (ARDS) is an infrequent but severe complication of COVID 19. The clinical syndrome of ARDS includes a heterogeneous group of patients with varying underlying pathophysiology. The innovative probe-based imaging techniques 'Confocal Laser Endomicroscopy' (CLE) is a high-resolution optical technique that, combined with conventional bronchoscopy, has been found to provide real-time, near-histology information about the alveolar compartment. We aim to describe different CLE characteristics of ARDS patients.

Study objective

CLE provides real-time and high detailed information about the characteristics of the alveolar compartment in mechanically ventilated COVID19 patients.

Study design

24 hours of follow up after CLE procedure

Contacts

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Eligibility criteria

Inclusion criteria

- ≥ 18 years of age
- Non-resolving acute respiratory failure mandating a standard diagnostic bronchoscopy with bronchoalveolar lavage

Exclusion criteria

- Inability and willingness to provide informed consent by family-members
- Patients on extra corporal membrane oxygenation (ECMO)

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:	Recruiting
Start date (anticipated):	21-02-2021
Enrollment:	15
Type:	Anticipated

IPD sharing statement

Plan to share IPD: Undecided

Ethics review

Positive opinion

Date: 21-02-2021

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	NL9281
Other	METC AMC : 2020_294

Study results