Respiratoiry infections and the ENOSE

No registrations found.

Ethical review	Not applicable
Status	Recruitment stopped
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON25960

Source
NTR

Health condition

ENOSE, pneumonia, exacerbation, COPD, asthma, respiratoiry infection, viral, bacterial

Sponsors and support

Primary sponsor: UMCG
Source(s) of monetary or material Support: UMCG and The eNose Company

Intervention

Outcome measures

Primary outcome

Enose measurement compared with viral swab and cultures

Secondary outcome

ROC Curve to predict Enose measurement compared with viral swab and cultures

Study description

Study objective

To test wheter the Enose can differentiate between pneumonia (or exacerbation of COPD, asthma exacerbation or respiratoiry infection) by viral of bacterial infection.

Study design

One measurement after admission and one in a outpatient setting

Intervention

None

Contacts

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Eligibility criteria

Inclusion criteria

- Patients admitted to the hospital with pneumonia

- Exacerbation of COPD

- Asthma exacerbation

- Respiratoiry infection

- Informed consent

Exclusion criteria

- Lungcancer

- ICU admittion, or non invasive ventilation

- Being unable to hold the Enose

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):	19-06-2013
Enrollment:	160
Type:	Actual

Ethics review

Not applicable
Application type: Not applicable

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	NL4428
NTR-old	NTR4601
Other	METC UMCG : METC 2013/295

Study results

Summary results
van Geffen, W. H., M. Bruins, and H. A. Kerstjens. "Diagnosing viral and bacterial respiratory infections in acute COPD exacerbations by an electronic nose: a pilot study." Journal of breath research 10.3 (2016): 036001.