Study to investigate the relationship between AGE reader value, COPD and smoking history.

Published: 07-08-2007
Last updated: 08-05-2024

To investigate the association between AGE, COPD severity and number of packyears.

Ethical review	Approved WMO
Status	Pending
Health condition type	Bronchial disorders (excl neoplasms)
Study type	Observational non invasive

Summary

ID

NL-OMON30932

Source
ToetsingOnline

Brief title
AGE and COPD

Condition

- Bronchial disorders (excl neoplasms)

Synonym
copd

Research involving
Human

Sponsors and support

Primary sponsor: Universitair Medisch Centrum Groningen
Source(s) of monetary or material Support: Ministerie van OC&W

Intervention

Keyword: AGE, COPD, Smoking history, Spirometry

Outcome measures

Primary outcome

- AGE reading

- COPD (GOLD stadia) (Pulmonary function : FEV1, FVC, Tiffeneau index)

- Packyears

Secondary outcome

- Age

- number of exacerbations

- BMI

Study description

Background summary

The AGE (Advanced Glycation Endproducts) reader is a noninvasive device based on autofluorescense of the skin. AGE reflects metabolic and oxidative stress. Research showed that AGE is a predictor of complications in diabetic patients and in patients with nephropathy. Until now, the relation between AGE and severity of pulmonary disease has not been studied. In addition, there may be a relation between AGE and number of packyears without decline in lungfunction. Therefore in this study we want to investigate the association between AGE, COPD severity and number of packyears. In future AGE may be helpful as predictor of morbidity and mortality in patients with COPD.

Study objective

To investigate the association between AGE, COPD severity and number of packyears.

Study design

Observational study

Study burden and risks

No burden, no risk.
Time per participant 5-10 minutes

Contacts

Public
Universitair Medisch Centrum Groningen

Hanzeplein 1
9713 GZ
Nederland
Scientific
Universitair Medisch Centrum Groningen

Hanzeplein 1
9713 GZ
Nederland

Trial sites

Listed location countries

Netherlands

Eligibility criteria

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

Inclusion criteria

COPD and or smoking history
minimum age: 18 years

Exclusion criteria

age < 18 years

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	Active
Primary purpose:	Diagnostic

Recruitment

NL

Recruitment status:	Pending
Start date (anticipated):	15-05-2007
Enrollment:	250
Type:	Anticipated

Medical products/devices used

Registration:	No

Ethics review

Approved WMO

Date:	07-08-2007
Application type:	First submission
Review commission:	METC Universitair Medisch Centrum Groningen (Groningen)

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	NL17533.042.07