Does baseline oxygen saturation predict exercise desaturation in patients with chronic obstructive pulmonary disease?

No registrations found.

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

Summary

ID

NL-OMON24599

Source NTR

Health condition

Patients with chronic obstructive pulmonary disease.

Sponsors and support

Primary sponsor: CIRO+ Horn, the Netherlands Source(s) of monetary or material Support: None.

Intervention

Outcome measures

Primary outcome

Transcutenous oxygen saturation.

Secondary outcome

N/A

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Study description

Background summary

N/A

Study objective

Previously, Knower et al. suggested that baseline oxygen saturation (SpO2) of 95% or less is a good screening test for oxygen desaturation during a 6MWT (sensitivity: 73%; negative predictive value: 84%), especially in COPD patients with a DLCO greater than 36% of the predicted value (sensitivity: 100%; negative predictive value: 100%).

To date, this readily available office screening procedure has not been validated prospectively in a large cohort of patients with COPD.

Objectives:

1. To validate the cut off of resting SpO2 of 95% or less as a simple screening procedure to predict oxygen desaturation during a 6MWT in patients with COPD as proposed by Knower et al.;

2. To study the prevalence and characteristics of normoxemic patients with COPD who have a SpO2 \leq 88% during the 6MWT.

Study design

Before and directly after 6-minute walk test.

Intervention

N/A

Contacts

Public

Program Development Centre

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Eligibility criteria

Inclusion criteria

Patients with chronic obstructive pulmonary disease.

Exclusion criteria

Use of ambulatory oxygen during 6-minute walk test.

Study design

Design

Study type:Observational non invasiveIntervention model:ParallelAllocation:Non controlled trialControl: N/A , unknownVariable

Recruitment

NL Recruitment status: Other Start date (anticipated): 14-06-2011

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Enrollment:

Type:

402 Unknown

Ethics review

Positive opinion Date: Application type:

07-06-2011 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	NL2785
NTR-old	NTR2925
Other	METC : 11-4-042
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Study results

Summary results N/A