

Video-assisted Intubations in the Prehospital Setting (VIPS)

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We expect that video-assisted intubation (video laryngoscopy) by ambulance nurses will have a higher success rate than intubation with a classical intubation device (direct laryngoscopy).

Ethische beoordeling	Positief advies
Status	Werving gestopt
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON28166

Bron

NTR

Verkorte titel

VIPS

Aandoening

Resuscitation requiring emergency endotracheal intubation

Ondersteuning

Primaire sponsor: Erasmus MC, University Medical Center Rotterdam, Trauma Research Unit, Department of Surgery

Erasmus Medical Center, Medical Research Ethics Committee (MREC)

AmbulanceZorg Rotterdam Rijnmond

Overige ondersteuning: N.A.

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Toelichting onderzoek

Achtergrond van het onderzoek

BACKGROUND

Literature shows that the rate of first-time success of emergency endotracheal intubation by ambulance nurses is highly variable; rates between 46 and 95% have been reported. Due to differences in device design, we hypothesize that the rate of first-time success can be improved when using videolaryngoscopy instead of direct laryngoscopy.

AIM

The primary aim of this prospective, observational study is to compare the rate of first-time success of intubation (by ambulance nurses) using videolaryngoscopy versus direct laryngoscopy. Secondary aims are to assess the rate of second-attempt success, time required for intubation, rate of adverse events, and rate of ROSC after videolaryngoscopy versus direct laryngoscopy, performed by ambulance nurses.

STUDY DESIGN

Observational study.

POPULATION

Patients requiring emergency endotracheal intubation.

INTERVENTION

Videolaryngoscopy

CONTROL

Direct laryngoscopy

ENDPOINTS

Primary outcome measure: first-time success.

Secondary outcome measures: second-attempt success, time required for intubation, adverse events, and ROSC.

Primary and secondary outcomes will be determined on-scene immediately after intubation.

RECRUITING COUNTRIES

The Netherlands

Doel van het onderzoek

We expect that video-assisted intubation (video laryngoscopy) by ambulance nurses will have a higher success rate than intubation with a classical intubation device (direct laryngoscopy).

Onderzoeksopzet

On-scene, immediately after intubation

Onderzoeksproduct en/of interventie

Videolaryngoscopy versus direct laryngoscopy

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

1. Patient requiring endotracheal intubation
2. GCS of 3 points, without suspected neurological injuries
3. Estimated age 18 years or older

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

1. No CO₂ production visible on capnogram, or no capnogram available

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel
Toewijzing:	Niet-gerandomiseerd
Blinding:	Open / niet geblindeerd
Controle:	Geneesmiddel

Deelname

Nederland	
Status:	Werving gestopt
(Verwachte) startdatum:	01-01-2016
Aantal proefpersonen:	500
Type:	Werkelijke startdatum

Ethische beoordeling

Positief advies	
Datum:	10-10-2016
Soort:	Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL5582
NTR-old	NTR6174
Ander register	: MEC-2015-467 (METC Erasmus MC)

Resultaten

Samenvatting resultaten

None yet; study is ongoing