# IC-physician versus qualified IC-nurse-based interhospital critical care transport (IQ-transport) study

Submission date	Recruitment status No longer recruiting	<ul><li>Prospectively registered</li></ul>		
14/02/2006		Protocol		
Registration date	Overall study status	Statistical analysis plan		
14/02/2006	Completed	[X] Results		
Last Edited	Condition category	[] Individual participant data		
12/05/2016	Other			

#### Plain English summary of protocol

Not provided at time of registration

#### Contact information

#### Type(s)

Scientific

#### Contact name

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#### Additional identifiers

**Protocol serial number** N/A

# Study information

Scientific Title

IC-physician versus qualified IC-nurse-based interhospital critical care transport (IQ-transport) study

#### Acronym

IQ-transport study

#### **Study objectives**

Interhospital transport of IC-patients can be escorted solely by a registered IC-nurse.

#### Ethics approval required

Old ethics approval format

#### Ethics approval(s)

Not provided at time of registration

#### Study design

Randomised controlled trial

#### Primary study design

Interventional

#### Study type(s)

Treatment

#### Health condition(s) or problem(s) studied

Intensive Care (IC) patients

#### **Interventions**

Study strategies:

- 1. Transport will be performed by a physician-based team: an IC-trained physician will accompany a registered IC-nurse
- 2. Transport will be performed solely by a registered IC-nurse. In this strategy, an IC-physician is physically present during inter-hospital transport; however, the physician does not play any role in the treatment of patient until a formal request is made by the IC-nurse. In both strategies the ambulance crew is present.

#### Intervention Type

Other

#### **Phase**

**Not Specified** 

#### Primary outcome(s)

Incidence of critical events defined as:

1. Related to intensive care (lead disconnections, loss of battery power or any other technical equipment failure, airway loss requiring airway manipulation or reintubation, loss of any intravascular device, dislodgment of any thoracostomy tube, Foley catheter, or surgical drain)
2. Clinical deteriorations related to critical illness (death, decrease in arterial saturation of >10% for >10 min, undesired rise or fall in arterial blood pressure [systolic, diastolic or mean, defined as >20 mmHg from baseline for >10 min], hemorrhage or blood loss estimated to be >250 ml, new cardiac arrhythmias with associated hemodynamic deterioration or are generally accepted

as requiring urgent therapy [occasional premature ventricular or atrial contractions were not considered significant], temperature fall below 36 degrees Celsius)

#### Key secondary outcome(s))

No secondary outcome measures

#### Completion date

01/02/2008

# Eligibility

#### Key inclusion criteria

Consecutive IC-patients (>18 years of age) transported by the Mobile Intensive Care Unit, Academic Medical Center, University of Amsterdam.

#### Participant type(s)

Patient

#### Healthy volunteers allowed

No

#### Age group

Adult

#### Lower age limit

18 years

#### Sex

All

#### Key exclusion criteria

IC-patients considered to be too instable to be transported without a physician as team member - one or more of the following criteria:

- 1. Pa02/Fi02 < 100 with PEEP > 15
- 2. Mean arterial pressure <60 mmHg despite adequate fluid therapy and inotropics (noradrenalin >0.35 kg/microg/min, dopamine >15 kg/microg/min)
- 3. Episode of resuscitation (chest compression or cardiac defibrillation) in 24 hours before interhospital transport

#### Date of first enrolment

01/02/2006

#### Date of final enrolment

01/02/2008

#### Locations

#### Countries of recruitment

Netherlands

# Study participating centre Academic Medical Center (AMC) Amsterdam

Netherlands 1100 DD

# Sponsor information

#### Organisation

Academic Medical Center (AMC), Mobile Intensive Care Unit (The Netherlands)

#### **ROR**

https://ror.org/03t4gr691

# Funder(s)

#### Funder type

University/education

#### **Funder Name**

Academic Medical Center (AMC)

#### Alternative Name(s)

Academic Medical Center, AMC

#### **Funding Body Type**

Private sector organisation

#### Funding Body Subtype

Universities (academic only)

#### Location

Netherlands

### **Results and Publications**

Individual participant data (IPD) sharing plan

IPD sharing plan summary

## Not provided at time of registration

# Study outputs

Output type	Details	Date created Date added	Peer reviewed?	Patient-facing?
Results article	results	01/07/2016	Yes	No
Participant information sheet	Participant information sheet	11/11/2025 11/11/2025	No	Yes