

A trial comparing central venous catheter (CVC) and peripherally inserted central venous catheter (PICC) line central venous catheter

Submission date 13/03/2013	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
Registration date 16/05/2013	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
Last Edited 22/02/2019	Condition category Other	<input type="checkbox"/> Individual participant data

Plain English summary of protocol

Background and study aims

This study aims to compare two kinds of catheters (thin tubes inserted into the body for treatment or surgery): a central venous catheter (CVC) and peripherally inserted central venous catheter (PICC) which is inserted in a vein in the arm instead of a vein in the neck or chest.

Who can participate?

Both male and female patients, who are over 18 years of age, in need of a central venous catheter, who have received information on the study and have given the consent for this study.

What does the study involve?

In-patients and out-patients who are referred to the department for gastrointestinal cancer treatment in Sahlgrenska University Hospital (Sweden).

What are the possible benefits and risks of participating?

There are no known risks. The treatment with these catheters is well documented and well known.

Where is the study run from?

Sahlgrenska University Hospital, Gothenburg, Sweden

When is the study starting and how long is it expected to run for?

The study takes place between January 2013 and December 2015.

Who is funding the study?

Scholarships

Who is the main contact?

Dr Cecilia Engström
cecilia.engstrom@surgery.gu.se

Contact information

Type(s)

Scientific

Contact name

Dr Cecilia Engström

Contact details

Sahlgrenska University Hospital/SS

Goteborg

Sweden

41345

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cecilia.engstrom@surgery.gu.se

Additional identifiers

Protocol serial number

N/A

Study information

Scientific Title

Randomised clinical trial on venous access comparing central venous catheter and peripheral inserted central venous catheter

Acronym

CVC, PICC

Study objectives

PICC line use is more safe, with less side-effects and adverse events and perhaps also less expensive and easier to use both for patients and medical personal.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Board of Ethics in Goteborg, 2011-09-11, ref: Dnr 492-11

Study design

Randomised clinical trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Upper GI disease

Interventions

Patients are enrolled as indoor and outdoor patients and randomised in a way approved before and after patients consent. The specific catheter is inserted by either a specialised nurse or doctor.

Arm 1: CVC treatment

Arm 2: PICC line

Intervention Type

Other

Phase

Not Applicable

Primary outcome(s)

Catheter treatment period: measured in 2014/15 approximately

Key secondary outcome(s)

Side effects such as thrombosis, thrombophlebitis, pneumothorax, hemothorax, deep and surface infections: measured in 2014/15 approximately

Completion date

31/12/2015

Eligibility

Key inclusion criteria

1. Male or Female over 18 yrs in need of a central line
2. Patient has received information of the study and consent is given

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 years

Sex

All

Key exclusion criteria

Patient who has no need of central venous access

Date of first enrolment

01/01/2013

Date of final enrolment

31/12/2015

Locations

Countries of recruitment

Sweden

Study participating centre

Sahlgrensk University Hospital/SS

Goteborg

Sweden

41345

Sponsor information

Organisation

Sahlgrenska University Hospital (Sweden)

ROR

<https://ror.org/04vgqjj36>

Funder(s)

Funder type

University/education

Funder Name

Sahlgrenska University Hospital (Sweden)

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?
Abstract results	results presented at Euroanaesthesia	03/06/2017		No	No
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes