ISRCTN70648637 https://doi.org/10.1186/ISRCTN70648637

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	[_] Prospectively registered [_] Protocol [_] Statistical analysis plan [X] Results [_] Individual participant data
Registration date 16/05/2013	**Overall study status** Completed	
Last Edited 22/02/2019	**Condition category** Other	

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
Sahlgrensk University Hostpital/SS
Goteborg
Sweden
41345
-
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 peripher 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, thromophlebitis, 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 Hostpital/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