

Transfusion induced complications = transfusion associated complications? study

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| Submission date 20/12/2005 | Recruitment status No longer recruiting | <input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol |
| Registration date 20/12/2005 | Overall study status Completed | <input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results |
| Last Edited 04/12/2007 | Condition category Signs and Symptoms | <input type="checkbox"/> Individual participant data |

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
n/a

Study information

Scientific Title
The effects of leukocyte filtered versus buffy coat depleted erythrocyte transfusions in major surgery patients

Acronym

TACTICS

Study objectives

Does removal of allogeneic white blood cells by filtration reduce postoperative complications?

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethics approval received from the local medical ethics committee

Study design

Multicentre, randomised, double blinded, active controlled, parallel group trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Blood transfusions complications

Interventions

Transfusions of filtered red blood cell concentrates versus transfusion of stored buffy coat depleted red blood cell concentrates.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

Postoperative:

1. In-hospital mortality
2. Duration of intensive care stay

Key secondary outcome(s)

1. Postoperative multi organ failure
2. Postoperative infections
3. Length of hospital stay
4. Costs/benefits of universal leukocyte depletion for the Dutch health care
5. Role of perioperative medication

Follow up :

1. Long term survival
2. Cancer recurrence in GI patients
3. Predictive role of cytokines and related genes

Completion date

31/12/2001

Eligibility

Key inclusion criteria

Acute aneurysm-, elective aneurysm-, orthopaedic- and large gastro-intestinal surgery patients.

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Key exclusion criteria

1. Under 18 years of age
2. Transfusions received within 3 months prior to inclusion
3. Pre existing medical indication for filtered red blood cell transfusions

Date of first enrolment

23/03/2000

Date of final enrolment

31/12/2001

Locations

Countries of recruitment

Netherlands

Study participating centre

Sanquin Blood Supply Foundation

Leiden

Netherlands

2310 CD

Sponsor information

Organisation

Leiden University Medical Centre (LUMC) (Netherlands)

ROR

<https://ror.org/027bh9e22>

Funder(s)

Funder type

Research organisation

Funder Name

The Netherlands Organisation for Health Research and Development (ZonMw) (The Netherlands)

Funder Name

Sanquin Bloodbank Amsterdam (The 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 | 29/05/2004 | | Yes | No |