ISRCTN48093674 https://doi.org/10.1186/ISRCTN48093674

# Transfusion induced complications = transfusion associated complications? study

| Submission date | Recruitment status | [_] Prospectively registered |
|---|---|---|
| 20/12/2005 | No longer recruiting | [_] Protocol |
| **Registration date** | **Overall study status** | [_] Statistical analysis plan |
| 20/12/2005 | Completed | [X] Results |
| **Last Edited** | **Condition category** | [_] Individual participant data |
| 04/12/2007 | Signs and Symptoms | |

**Plain English summary of protocol**
Not provided at time of registration

## Contact information

**Type(s)**
Scientific

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## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**
n/a

# Study information

### Scientific Title
The effects of leukocyte filtered versus buffy coat depleted erythocyte 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

### Secondary study design
Randomised controlled trial

### Study setting(s)
Hospital

### Study type(s)
Treatment

### Participant information sheet

### 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 measure

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

### Secondary outcome measures
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

### Overall study start date
23/03/2000

### Completion date
31/12/2001

## Eligibility

### Key inclusion criteria
Acute aneurysm-, elective aneurysm-, orthopaedic- and large gastro-intestinal surgery patients.

### Participant type(s)
Patient

### Age group
Adult

### Sex
Both

### Target number of participants
1548

### 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)

**Sponsor details**
Albinusdreef 2
P.O. Box 9600
Leiden
Netherlands
2300 RC

**Sponsor type**
University/education

**Website**
http://www.lumc.nl/

**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

### Publication and dissemination plan
Not provided at time of registration

### Intention to publish date

### 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 |