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Medical treatment of retained placenta: does it reduce the number of necessary surgical interventions? A randomised controlled trial in low resource setting

Submission date
02/04/2008

Recruitment status
No longer recruiting

Registration date
21/04/2008

Overall study status
Completed

Last Edited
10/03/2014

Condition category
Pregnancy and Childbirth

[_] Prospectively registered
[X] Protocol
[_] Statistical analysis plan
[X] Results
[_] 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

Study information

Scientific Title
Treatment of a retained placenta with misoprostol, a double-blind randomised controlled trial in Tanzania

Study objectives
Misoprostol will reduce the amount of manual removals of the placenta.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Ethics approval received from the National Institute for Medical Research Tanzania on the 27th November 2007 (ref: NIMR/HQ/R.8a/Vol IX/645).

Primary study design
Interventional

Study design
Double-blind randomised controlled trial

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Retained placenta

Interventions
Study medication will be randomised in blocks and the allocation of sealed envelopes will be in sequence of enrolment. Randomisation of misoprostol to placebo will be 2:1. 30 minutes after delivery of the baby the women will receive study medication sublingually: either misoprostol 800 microgram or placebo.

Duration of follow up: until discharge next day if no complications occur. At discharge patient will be counselled that they have to come back in case of complications (blood loss and/or fever).

Intervention Type
Drug

Phase
Not Specified

Drug/device/biological/vaccine name(s)
Misoprostol

Primary outcome(s)
Reduction in the amount of manual removal of placenta (under anaesthesia) 60 minutes after delivery of the baby.

Key secondary outcome(s)
1. Blood loss
2. Need for blood transfusion

Hb will be checked the morning after the manual removal or the sponteneous expulsion of the placenta. After this it will be decided if a blood transfusion is necessary.

Completion date
04/04/2010

Eligibility

Key inclusion criteria
Women with a retained placenta 30 minutes after delivery of the newborn (and a pregnancy duration of at least 28 weeks [birth weight 1 kg]). All women will receive active management of third stage of labour before inclusion.

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Sex
Female

Key exclusion criteria
1. Blood loss greater than 750 ml 30 minutes after delivery
2. Pulse rate greater than 120 beats/minute
3. Blood pressure (BP) dropped greater than 20 mmHg diastolic compared with BP before delivery
4. Anaemia (haemoglobin [Hb] less than 100 g/dl). Measurement of third trimester of pregnancy or around delivery

Date of first enrolment
04/04/2008

Date of final enrolment
04/04/2010

Locations

Countries of recruitment
Tanzania

Study participating centre
P.O. Box 228
Lindi
Tanzania
-

Sponsor information

Organisation
Tanzanian German Programme to Support Health (TGPSH) (Tanzania)

Funder(s)

Funder type
Research organisation

Funder Name
Tanzanian German Programme to Support Health (TGPSH) (Tanzania) - allows personnel to conduct this study during working hours and will provide transportation, administration and logistics

Funder Name
Radboud University Medical Center (Netherlands) - study medication provided free of charge

Funder Name
The researcher will perform the job unpaid, as will the staff in the joining health facilities.

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	01/09/2013		Yes	No
Protocol article	protocol	23/10/2009		Yes	No