

# Magnesium sulphate for the treatment of pre-eclampsia: a trial to evaluate the effects on women and babies

<b>Submission date</b> 25/10/2000	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
<b>Registration date</b> 25/10/2000	<b>Overall study status</b> Completed	<input type="checkbox"/> Protocol
<b>Last Edited</b> 09/07/2014	<b>Condition category</b> Pregnancy and Childbirth	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
		<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**  
G9701680

## Study information

**Scientific Title**

**Acronym**

MAGPIE

**Study objectives**

To determine the effect of magnesium sulphate when used for women with pre-eclampsia on the risk of eclampsia and perinatal death. In addition, to determine the effects of other measures of important morbidity and on use of health services resources.

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Not provided at time of registration

**Study design**

Randomised controlled trial

**Primary study design**

Interventional

**Study type(s)**

Treatment

**Health condition(s) or problem(s) studied**

Pre-eclampsia

**Interventions**

Magnesium sulphate/placebo.

Follow-up: until discharge following delivery. Four year follow-up of the children is planned.

**Intervention Type**

Other

**Phase**

Not Applicable

**Primary outcome(s)**

1. Eclampsia
2. Death of the baby.

**Key secondary outcome(s))**

1. Maternal death
2. Serious maternal morbidity
3. Labour and delivery outcomes
4. Use of maternal health services
5. Serious neonatal morbidity
6. Use of neonatal health services

**Completion date**

31/01/2005

# Eligibility

## Key inclusion criteria

1. Not delivered, or delivered within the last 24 hours
2. Blood pressure today is  $\geq 90$  mmHg diastolic or  $\geq 140$  mmHg systolic, on at least two occasions
3. Proteinuria of at least 1+
4. There is clinical uncertainty about whether magnesium sulphate would be beneficial (factors likely to influence this uncertainty are the presence of any of the following: hypereflexia, frontal headache, abnormal liver function or coagulation, and epigastric tenderness)

## Participant type(s)

Patient

## Healthy volunteers allowed

No

## Age group

Adult

## Sex

Female

## Key exclusion criteria

The woman does not wish to be randomised, for whatever reason/the attending clinician believes magnesium sulphate should either be given or withheld/hypersensitivity to magnesium /renal failure (women who have renal impairment may be randomised, but the volume of allocated treatment should be halved for each dose)/hepatic coma if risk of renal failure /myaesthesia gravis.

## Date of first enrolment

01/01/1998

## Date of final enrolment

31/01/2005

# Locations

## Countries of recruitment

United Kingdom

England

Albania

Argentina

Australia

Bangladesh

Brazil

Colombia

Cuba

Egypt

Ghana

India

Malawi

Nigeria

Pakistan

Sierra Leone

Singapore

South Africa

United States of America

Zimbabwe

**Study participating centre**

**MAGPIE Trial Co-ordinating Centre**

Oxford

United Kingdom

OX3 7LF

## **Sponsor information**

**Organisation**

Medical Research Council (MRC) (UK)

## **Funder(s)**

**Funder type**

Research council

**Funder Name**

Medical Research Council (MRC) (UK)

**Alternative Name(s)**

Medical Research Council (United Kingdom), UK Medical Research Council, Medical Research Committee and Advisory Council, MRC

**Funding Body Type**

Government organisation

**Funding Body Subtype**

National government

**Location**

United Kingdom

## 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?
<a href="#">Results article</a>	results	01/06/2002		Yes	No
<a href="#">Results article</a>	results	08/03/2004		Yes	No
<a href="#">Results article</a>	results	01/03/2007		Yes	No
<a href="#">Results article</a>	results	14/04/2009		Yes	No