ISRCTN98365455 https://doi.org/10.1186/ISRCTN98365455

Magnesium intervention during pregnancy

Submission date
23/08/2010

Recruitment status
No longer recruiting

Registration date
14/09/2010

Overall study status
Completed

Last Edited
05/11/2014

Condition category
Pregnancy and Childbirth

[X] Prospectively registered
[_] 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

Protocol serial number
N/A

Study information

Scientific Title
Acid-base balance and blood pressure during pregnancy: a double-blinded randomized controlled trial

Study objectives

Intervention with magnesium citrate will prevent increase in blood pressure during last part of pregnancy.
Further reading: http://www.ncbi.nlm.nih.gov/pubmed/20135136.

Ethics approval required
Old ethics approval format

Ethics approval(s)
The Gothenburg Committee, 08/03/2009, ref: 098-09

Study design
Double blind interventional randomised controlled trial

Primary study design
Interventional

Study type(s)
Prevention

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

Interventions
Magnesium citrate powder (Diasporal), 12 mmol magnesium daily, taken at week 25 of pregnancy until delivery.
Control group receive no supplements. Blood pressure and proteinurea are measured routinely in all pregnancies

Intervention Type
Other

Phase
Not Applicable

Primary outcome(s)
Blood pressure increase during final weeks of pregnancy

Key secondary outcome(s))
Symptoms of pre-eclampsia during final weeks of pregnancy

Completion date
01/10/2012

Eligibility

Key inclusion criteria
1. First time pregnancies
2. Urinary calcium excretion in excess of 6 mmol around pregnancy week 20

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Sex
Female

Key exclusion criteria
History of blood pressure or renal dysfunction

Date of first enrolment
01/10/2010

Date of final enrolment
01/10/2012

Locations

Countries of recruitment
Sweden

Study participating centre
Bjorkasvagen 21
Lerum
Sweden
443 91

Sponsor information

Organisation
Sodra Alvsaborgs Hospital (Sweden)

ROR
https://ror.org/01qas6g18

Funder(s)

Funder type

Research council

Funder Name
South Alvsborg Research and Development Council (Forskning och Utveckling [FoU]) (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?
Results article	results	01/12/2013		Yes	No