

Magnesium intervention during pregnancy

Submission date 23/08/2010	Recruitment status No longer recruiting	☒ Prospectively registered ☐ Protocol
Registration date 14/09/2010	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 05/11/2014	Condition category Pregnancy and Childbirth	☐ 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

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

Primary study design

Interventional

Study design

Double blind interventional randomised controlled trial

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 Alvsborgs 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