ISRCTN63098210 https://doi.org/10.1186/ISRCTN63098210

Intervention study to reduce the level of anaemia among infants

Submission date
24/01/2011

Registration date
19/05/2011

Last Edited
19/05/2011

Recruitment status
No longer recruiting

Overall study status
Completed

Condition category
Haematological Disorders

[ ] Prospectively registered
[ ] Protocol
[ ] Statistical analysis plan
[ ] Results
[ ] Individual participant data
[ ] Record updated in last year

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
Quasi study using two types of iron: a non-randomised controlled intervention trial

Study objectives
The introduction of ferrous sulphate at 6 months is suboptimal to the introduction of polymaltose complex iron preparation at 4 months in reducing the level of anaemia at 12 months. Iron preparation needs to be introduced earlier, at 4 months not 6 months and

polymaltose complex is more palatable and has less gastrointestinal effects compared to ferrous sulphate.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Local Ethics Committee approved on the 1st September 2008

Primary study design
Interventional

Study design
Quasi experimental non-randomised controlled intervention trial

Study type(s)
Treatment

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

Interventions
1. Ferrous sulphate (control group)
1.1. Dose is 2 mg/kg/day, starting at 6 months of age, giving 3 bottles to last for 3 months for when the next follow up visit is due
1.2. Total duration is 6 months
1.3. Haemoglobin measured at 12 months
2. Iron polymaltose complex (intervention group)
2.1. Dose is 2 mg/kg/day, starting at 4 months of age, giving 2 bottles, 3 bottles and another 3 bottles to coincide with visits at 4, 6, 9 months
2.2. Total duration is 8 months
2.3. Haemoglobin measured at 12 months.

Intervention Type
Other

Phase
Not Applicable

Primary outcome(s)
Haemoglobin level at 12 months

Key secondary outcome(s)
1. Feeding practices
2. Side effects of iron preparation
3. Compliance information
4. Family history of thalassaemia
4. Measures obtained via interview after the mother has performed the blood test for her child and before the results of the blood test, i.e., before her next visit to the clinic

Completion date

31/08/2010

Eligibility

Key inclusion criteria
All infants attending the 4 and 6 months immunization

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Child

Lower age limit
4 Months

Upper age limit
6 Months

Sex
All

Key exclusion criteria
1. Already taking iron
2. Pre-term or of low bith weight (only excluded if infants were already taking iron)
3. Mother refused consent
4. Does not have a file at the clinic

Date of first enrolment
01/11/2009

Date of final enrolment
31/08/2010

Locations

Countries of recruitment
Palestine, State of

Study participating centre
Birzeit University
Ramallah
Palestine, State of
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Sponsor information

Organisation
Institute of Community and Public Health (Palestinian Territory)

Funder(s)

Funder type
Research organisation

Funder Name
Swedish International Development Cooperation Agency (SIDA) (Sweden)

Funder Name
Palestine Solidarity Association (PGS) (Sweden)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration