

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

The Effect Of Vitamin D Supplementation During Pregnancy On Newborn s Antropometric Index

Protocol summary

Summary

This Study Is Designed To Assess The Effect Of Vitamin D Supplementation During Pregnancy On Newborns Anthropometric Indexes. This Is Interventional Study .At First 130 Pregnant Single-tone Women With Vitamin D Deficiency (<30ng/ml) Between The 24-28 Gestational Age Without The Known History Of Renal,Liver,Parathyroid,Metabolic,Bone Diseases, Mal-absorption Or Epilepsy And Medications That Influence The Metabolism Of Vitamin D And Calcium, Diabetes Or Gestational Diabetes, HTN And Pre-eclampsia And Have Fetus Without Anomalies And Have History Of Recurrent Abortion, Are Intered.Then They Separate Into 2 Groups Randomly. Control Group Includes 55 Pregnant Women Receive Daily Multivitamin With 400 u Vitamin D, Case Group Receive Daily Multivitamin And 50000u Vitamin D Weekly In 8 Weeks.At The First Of Study All Women s Vitamin D And Calcium Level Are Measured. And Then At The Time Of Admission For Termination The Blood Samples Drawn From Mother And Cord And Their Vitamin D And Calcium Are Measured. All Newborns Anthropometric Indexes Include Height, Weight And Head Circumference Also Measured. Pregnant Blood Pressure And Weight Gaining Are Noticed. The Outcome Of This Study Can Be Like These: Higher Level Of Vitamin D And Calcium In Cases s Newborns And Increase In Height,Weight And Head Circumference Than Control Group And More Wight Gaining In Mother During Pregnancy

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201205119491N2**

Registration date: **2012-08-16, 1391/05/26**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-08-16, 1391/05/26

Registrant information

Name

Reyhaneh Ramezaninezhad

Name of organization / entity

Qazvin University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 28 1223 6374

Email address

rramezaninezhad@qums.ac.ir

Recruitment status

Recruitment complete

Funding source

Qazvin University Of Medical Sciences

Expected recruitment start date

1991-11-22, 1370/09/01

Expected recruitment end date

2012-04-19, 1391/01/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect Of Vitamin D Supplementation During Pregnancy On Newborn s Antropometric Index

Public title

The Effect Of Vitamin D On Outcome Of Pregnancy

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion Criteria: Singletone Pregnancy; Gestational Age Between 24-28 Week;BMI 19-26;Vitamin D < 30 ngr/ml
Exclusion Criteria: The Known History Of Liver, Renal, Paratyroid, Bone, Metabolic Diseeases Or Epilepsy Or Malabsorbtion. Medications That Influence The Metabolism Of Vitamin D And Calcium; Recurrent Abortion; Diabet Or Gestational Diabet, HTN Or Preeclampsia; Fetus With Anolamlies Or Polihydramnios Or Oligohydramnios Or IUGR

Age

From **15 years** old to **40 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **130**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Qazvin University Of Medical Sciences

Street address

Bahonar Street

City

Qazvin

Postal code

Approval date

2012-03-06, 1390/12/16

Ethics committee reference number

4449

Health conditions studied

1

Description of health condition studied

vitamin D difficiency

ICD-10 code

E55.9

ICD-10 code description

Vitamin D deficiency, unspecified

2

Description of health condition studied

Nutritional Deficiency

ICD-10 code

P00.4

ICD-10 code description

Fetus and newborn affected by maternal nutritional disorders

Primary outcomes

1

Description

newborn s hight

Timepoint

at birthtime

Method of measurement

centimeter/ strip

2

Description

newborn s weight

Timepoint

at birthtime

Method of measurement

gram,

3

Description

newborn s head circumference

Timepoint

at birthtime

Method of measurement

centimeter

Secondary outcomes

1

Description

newborn level of vitamin D

Timepoint

birthtime

Method of measurement

ngr/ml

2

Description

newborn level of calcium

Timepoint

birthtime

Method of measurement

mmol/l

3

Description

mother level of vitamin D

Timepoint

time of termination

Method of measurement

ngr/ml

4

Description

mother level of calcium

Timepoint

time of termination

Method of measurement

mmol/l

Intervention groups

1

Description

in case group: vitamin D capsule 50000 u weekly for 8 weeks from 28 gestational age and multivitamin tab include 400 u vitamin D daily till termination

Category

Treatment - Drugs

2

Description

in control group: multivitamin tab include 400 u vitamin D daily till termination

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

private office

Full name of responsible person

shabnam zahir mirdamadi

Street address

west khayam avn. chehelsotoon building

City

qhazvin

2

Recruitment center

Name of recruitment center

pastor hospital

Full name of responsible person

fatemeh lalooha

Street address

valiasr street

City

qhazvin

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Qhazvin University Of Medical Sciences

Full name of responsible person

Shamekhi

Street address

Bahonar street, Qazvin

City

Qazvin

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Qhazvin University Of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Gynecology Department of Kosar Hospital

Full name of responsible person

Dr Fatemeh Lalooha

Position

assistan of profesore

Other areas of specialty/work

Street address

Valiasr street

City

Qazvin

Postal code

Phone

+98 28 1223 6374

Fax

+98 28 1224 2661

Email

rramezaninezhad@qums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Gynecology Department Of kosar Hospital

Full name of responsible person

Dr Fatemeh Lalooha

Position

assistant of profesor

Other areas of specialty/work

Street address

Valiasr street

City

Qazvin

Postal code

Phone

+98 28 1223 6374

Fax

+98 28 1224 2661

Email

rramezaninezhad@qums.ac.ir

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Phone

+98 28 1223 6374

Fax

Email

rramezaninezhad@qums.ac.ir

Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty

Person responsible for updating data

Contact

Name of organization / entity

Kosar Hospital

Full name of responsible person

Dr Shabnam Zahir Mirdamadi

Position

ob/gyn resident

Other areas of specialty/work