Clinical Trial Protocol
Iranian Registry of Clinical Trials

11 Nov 2026

Comparative evaluation of the effect of Iyengar and Hata Yoga on the outcomes of labor in pregnant women

Protocol summary

Study aim
Determining the impact of yoga on the outcomes of childbirth

Design
Clinical trial with control group, Hata Yoga intervention group and Yoga practitioner, community-based and pragmatic, randomized Sample size of 72 participants in three groups of Hata and iynegar and control

Settings and conduct
Place of study: Kowsar Hospital The researcher selects and receives written consent from the qualified pregnant mothers (in terms of entry criteria), 72 pregnant women will be selected by available method.

Participants/Inclusion and exclusion criteria
Inclusion criteria: having informed consent to participate in the study, 18 to 35 years, first pregnancy and single pregnancy, 26-28 weeks Exclusion criteria: complications during pregnancy, yoga or Pilates experience, attend classes, Tai Chi

Intervention groups
The intervention in this study includes the implementation of two types of yoga programs during pregnancy. . The yoga program for a group is just the style of the hatta yoga, and for a group only the yoga routine and a routine pregnancy care group are being implemented. Participants in the intervention group will begin their first session of pregnancy yoga from 28-26 weeks of gestation, and will hold two sessions for up to 75 minutes each week until the 37th week of gestation. The routine pregnancy care group will receive all pregnancies.

Main outcome variables
Outcomes of labor (type of delivery, occurrence of childbirth induction, premature rupture of the water bag, occurrence of preterm labor, occurrence and degree of episiotomy)

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20180623040197N2**
Registration date: **2019-02-11, 1397/11/22**
Registration timing: **prospective**

Last update: **2019-02-11, 1397/11/22**
Update count: **0**

Registration date
2019-02-11, 1397/11/22

Registrant information
Name
Leila Dehghankar
Name of organization / entity
Country
Iran (Islamic Republic of)
Phone
+98 28 3333 8034
Email address
l.dehghankar@qums.ac.ir

Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2019-05-20, 1398/02/30
Expected recruitment end date
2021-03-20, 1399/12/30
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title

Comparative evaluation of the effect of Iyengar and Hata Yoga on the outcomes of labor in pregnant women

Public title
Comparative evaluation of the effect of Iyengar and Hata Yoga on the outcomes of labor in pregnant women
Purpose
Education/Guidance
Inclusion/Exclusion criteria
Inclusion criteria:
Having informed consent to participate in the study The age group 18 to 35 years Having normal pregnancy according to the written diagnosis of gynecologist First and single-crocheted pregnancy Ability to read and write Having a normal body mass index (between 8/19 and 26) Pregnancy age 26-28 weeks
Exclusion criteria:
Having experience in yoga classes or regular exercise (Pilates, Tai Chi) Having an abnormal fetus or IUGR. Choosing the method of elective cesarean delivery.
Age
From **18 years** old to **35 years** old
Gender
Female

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **72**
Randomization (investigator's opinion)
Randomized
Randomization description
Researcher After initiating the sampling and obtaining a written consent from eligible pregnant mothers (in terms of entry criteria), 72 pregnant women will first be selected in an accessible manner, then they will be selected by random allocation method without placement of individuals. Each pregnant mother who qualifies for study will be placed in a triangular ball of blue (Hatha Yoga) of 24, a red ball (Yoga practitioner) of 24, a green ball (control) of 24, and a pregnant mother of an orb On the basis of that orb, the orb enters the hatta yoga group or the yoga or control group.
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
Ethics committee of Qazvin university of medical science
Street address
Qazvin University of Medical Sciences, Shahid Bahonar Blvd.
City
Qazvin
Province
Qazvin
Postal code
34417431874
Approval date
2018-11-10, 1397/08/19
Ethics committee reference number
IR.QUMS.REC.1397.184

Health conditions studied

1

Description of health condition studied
Preeclampsia
ICD-10 code
O15.1
ICD-10 code description
Eclampsia in labor

2

Description of health condition studied
Preterm labor
ICD-10 code
O42.10
ICD-10 code description
Premature rupture of membranes, onset of labor more than 24 hours following rupture, unspecified weeks of gestation

Primary outcomes

1

Description
type of delivery
Timepoint
in the beginning of the study (before the intervention) and 2 weeks after completion of the delivery
Method of measurement
Outcome of delivery Questionnaire

2

Description
Anesthesia
Timepoint
in the beginning of the study (before the intervention) and 2 weeks after completion of the delivery
Method of measurement
Outcome of delivery Questionnaire

3

Description
Occurrence Premature rupture of the water bag
Timepoint
in the beginning of the study (before the intervention) and 2 weeks after completion of the delivery
Method of measurement
Outcome of delivery Questionnaire

4

Description
Occurrence and Episiotomy degree
Timepoint
in the beginning of the study (before the intervention) and 2 weeks after completion of the delivery
Method of measurement
Outcome of delivery Questionnaire

Secondary outcomes

1

Description
Preterm delivery
Timepoint
in the beginning of the study (before the intervention) and 2 weeks after completion of the delivery
Method of measurement
Outcome of delivery Questionnaire

Intervention groups

1

Description
Intervention group 1: Hata YogaFrom 28 to 32 weeks of gestation, two weekly sessions take part in yoga sessions.
Category
Prevention

2

Description
Intervention group 2: yoga iyengarFrom 28 to 32 weeks of gestation, two weekly sessions take part in yoga sessions.
Category
Prevention

3

Description
Control group: Pregnant mother does not receive any intervention
Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
Kosar Hospital
Full name of responsible person
Leila dehghankar
Street address
Qazvin University of Medical Sciences.Bahonar Blvd,Qazvin,
City
Qazvin
Province
Qazvin
Postal code
344143184
Phone
+98 28 3333 8034
Email
dehghan247@gmail.com

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Qazvin University of Medical Sciences
Full name of responsible person
Amir Peymani
Street address
Qazvin University of Medical Sciences , Bahonar street, Qazvin
City
Qazvin
Province
Qazvin
Postal code
3441343184
Phone
+98 28 3333 6001
Email
apeymani@qums.ac.ir
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Qazvin University of Medical Sciences
Proportion provided by this source
100
Public or private sector
Public
Domestic or foreign origin
Domestic
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Qazvin University of Medical Sciences

Full name of responsible person
leili yekefallah

Position
Assistant Professor of Nursing Faculty Qazvin

Latest degree
Ph.D.

Other areas of specialty/work
Nursery

Street address
Qazvin university of medical science, Bahonar, Qazvin

City
Qazvin

Province
Qazvin

Postal code
34411743148

Phone
+98 28 3333 6001

Email
yekefallah@qums.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity
Qazvin University of Medical Sciences

Full name of responsible person
Leili Yekefallah

Position
Assistant Professor of Nursing Faculty Qazvin

Latest degree
Ph.D.

Other areas of specialty/work
Nursery

Street address
Qazvin University of Medical Sciences, Bahonar, Qazvin

City
Qazvin

Province
Qazvin

Postal code
3441341184

Phone
+98 0283338034

Email
yekefallah@qums.ac.ir

Person responsible for updating data

Contact

Name of organization / entity
Qazvin University of Medical Sciences

Full name of responsible person
Leila Dehghankar

Position
Instructor of Qazvin Nursing Faculty

Latest degree
Master

Other areas of specialty/work
Nursery

Street address
Qazvin University of Medical Sciences, Bahonar, Qazvin

City
Qazvin

Province
Qazvin

Postal code
3441341184

Phone
+98 28 3333 6001

Email
L.dehghankar@qums.ac.ir

Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available

Study Protocol
Yes - There is a plan to make this available

Statistical Analysis Plan
Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form
Yes - There is a plan to make this available

Clinical Study Report
Undecided - It is not yet known if there will be a plan to make this available

Analytic Code
Not applicable

Data Dictionary
Undecided - It is not yet known if there will be a plan to make this available

Title and more details about the data/document
Information on the impact of yoga on the consequences of childbirth

When the data will become available and for how long
6 months after printing results

To whom data/document is available
Ghazvin University of Medical Sciences Health Centers Yoga Pregnancy Centers

Under which criteria data/document could be used
Through the authoritative university website

From where data/document is obtainable
Ghazvin, Qazvin University of Medical Sciences, Faculty of Nursing and Midwifery

What processes are involved for a request to access data/document
Send message to authors email

Comments