

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 2026

Effect of honey on wound healing and scar of cesarean

Protocol summary

Summary

Delay or failure in wound healing and cesarean scar is the most common complications after caesarean section. In this study, we examined the effect of Honey on wound healing and prevention of cesarean scar in women referred to the Ayatollah Taleghani Center of Arak in 2008-2010. This research is a randomized double blind controlled trial. Sample size in each group is 40 cases. Mothers were randomly allocated into one of three groups (honey, placebo, or control group without any intervention). Medication was used twice a day for 16 consecutive days. The group without any intervention did not receive any topical medication. On 10th day after the caesarean section, place of sutures for wound healing was evaluated based on the criteria in the scale "reeda" and then stitches were removed. After 40 days, sutures were assessed regarding wound cesarean section scar based on "Vancouver Scale".

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138802051845N1**

Registration date: **2010-05-29, 1389/03/08**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2010-05-29, 1389/03/08

Registrant information

Name

Tooba Heidari

Name of organization / entity

Arak university of medical sciences

Country

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for Research of Arak University of Medical Sciences, Barij essence Company

Expected recruitment start date

2008-12-21, 1387/10/01

Expected recruitment end date

2010-08-23, 1389/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of honey on wound healing and scar of cesarean

Public title

Honey and cesarean wound

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: age between 35-17, level of education the mother not less than five grade, gestational age between 37 to 42 weeks based on the first day since the last menstrual period (LMP) or ultrasound, cesarean delivery, uterine incision and lower transverse incision Faneshstyl skin, maximum two previous deliveries
Exclusion criteria: previous cesarean section, previous surgery in the lower abdominal area (site of cesarean section), smoking (cigarettes, hookah), known history of medical conditions known to have interaction to wound healing (Systemic or chronic diseases, heart, kidney, liver, respiratory, coagulation, connective tissue, skin, thyroid, diabetes, anemia, cancer, infectious diseases, or psychological), consumption of medications known to

have interaction to healing and scar formation (glucocorticoids, anticoagulations, immunosuppressives, broad spectrum antibiotics, antihistamins, calcium antagonists, chemotherapy and radiotherapy), obstetric problems (such as eclampsia, preeclampsia, placenta previa, placental abruptia, multiple gestation, chorioamnionitis, being impregnated with a liquid Meconium and poly Hydramnyvs), mental complications such as death of parents, spouse, child, separation from a spouse, serious differences with her husband, Major changes in life situation, severe financial problems during the past month

Age

From **17 years** old to **35 years** old

Gender

Female

Phase

1

Groups that have been masked

No information

Sample size

Target sample size: **120**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Arak University of Medical Sciences

Street address

Arak University of Medical Science, Sardasht, Arak

City

Arak

Postal code**Approval date**

2008-11-05, 1387/08/15

Ethics committee reference number

87-43-4

Health conditions studied**1****Description of health condition studied**

wound and cesarean scar

ICD-10 code

O85, O92

ICD-10 code description

Complications predominantly related to the puerperium

Primary outcomes**1****Description**

healing of cesarean wound

Timepoint

10th days after cesaren operation

Method of measurement

reeda scale

Secondary outcomes**1****Description**

cesarean scar

Timepoint

40th days after cesarean operation

Method of measurement

vancouver scale

Intervention groups**1****Description**

honey, local use, twice a day for 16 consecutive days

Category

Treatment - Drugs

2**Description**

Placebo, local use, twice a day for 16 consecutive days

Category

Placebo

Recruitment centers**1****Recruitment center****Name of recruitment center**

Ayatollah Taleghani Teaching Treatment Center

Full name of responsible person**Street address****City**

Arak

Sponsors / Funding sources**1****Sponsor**

Name of organization / entity

Arak University of Medical Science
Full name of responsible person
 Vice-chancellor for Research, Arak University of Medical Sciences
Street address
 Arak University of Medical Science , Sardasht, Arak
City
 Arak
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
 Yes
Title of funding source
 Arak University of Medical Science
Proportion provided by this source
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

2

Sponsor
Name of organization / entity
 Barij essence Company
Full name of responsible person
 Dr. Reza Bekhradi
Street address
 Kashan, Barij essence Compan
City
 Kashan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
 Yes
Title of funding source
 Barij essence Company
Proportion provided by this source
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

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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