

Clinical Trial Protocol

Iranian Registry of Clinical Trials

30 May 2026

Effect of single dose of royal jelly on serum glucose, insulin and C-peptide level in type 2 diabetic patients.

Protocol summary

Summary

This study aimed to investigate the effect of a single dose of royal jelly on serum glucose, insulin and c-peptide in type 2 diabetic patients. Forty patients with type 2 diabetes will be randomly divided in 2 groups including 20 patients in the intervention group and 20 patients in the control group. After explaining the study procedure for the patients and informed consent, in the morning after an 8-hour fasting blood sample will be taken. The intervention group will be received 10 g royal jelly, however the control group will be received 10 g paraffin. One and two hours after administration, blood samples will be obtained. Serum glucose, insulin and C-peptide in each sample will be measured.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201306049626N2**

Registration date: **2013-06-13, 1392/03/23**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2013-06-13, 1392/03/23

Registrant information

Name

Majid Mobaseri

Name of organization / entity

Tabriz university of medical science

Country

Iran (Islamic Republic of)

Phone

+98 41 1335 7850

Email address

t.u.end.d@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Bone disease health center, Tabriz University of Medical Sciences

Expected recruitment start date

2013-06-22, 1392/04/01

Expected recruitment end date

2013-12-21, 1392/09/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of single dose of royal jelly on serum glucose, insulin and C-peptide level in type 2 diabetic patients.

Public title

Effect of royal jelly on serum glucose and insulin in type 2 diabetic patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: having type 2 diabetes; age 30-65 years old; treated with glucose-lowering drugs. Exclusion criteria: insulin therapy; history of allergy to honey or bee products; pregnancy; lactation; renal failure; a history of any type of metabolic disease other than type 2 diabetes such as proved thyroid disease.

Age

From **25 years** old to **65 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 40

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

Tabriz University of Medical Sciences Ethics Committee

Street address

Faculty of Medicine- Daneshgah Ave. Tabriz

City

Tabriz

Postal code

Approval date

2013-05-13, 1392/02/23

Ethics committee reference number

9235

Health conditions studied

1

Description of health condition studied

Type 2 diabetes

ICD-10 code

E11

ICD-10 code description

Endocrine, nutritional and metabolic diseases

Primary outcomes

1

Description

Plasma glucose levels

Timepoint

Before and one hour and two hour after intervention

Method of measurement

Paraclinical

2

Description

Plasma insulin levels

Timepoint

Before and one hour and two hour after intervention

Method of measurement

Paraclinical

3

Description

Plasma C-peptide levels

Timepoint

Before and one hour and two hour after intervention

Method of measurement

Paraclinical

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group:10 g royal jelly in morning after an 8-hour fasting

Category

Treatment - Drugs

2

Description

Placebo group: 10 g placebo tablet (containing edible paraffin) jelly in morning after an 8-hour fasting

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza hospital

Full name of responsible person

Dr. Majid Mobaseri

Street address

Imam Reza hospital- Tabriz

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research deputy of Tabriz University of Medical Sciences

Full name of responsible person

Dr. Shakuri Kazem

Street address

Golgasht Street ,Tabriz University of Medical Sciences
,central building II,third floor

City

Tabriz

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Research deputy of Tabriz 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**

Tabriz University of Medical Sciences

Full name of responsible person

Dr. Majid Mobaseri

Position

Associate profeseor- endocrinologist

Other areas of specialty/work**Street address**

Imam Reza hospital- Tabriz

City

Tabriz

Postal code**Phone**

+98 41 1335 7850

Fax

+98 41 1335 7850

Email

mobasserimajid@yahoo.com

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Tabriz University of Medical Sciences

Full name of responsible person

Dr. Majid Mobaseri

Position

Tabriz University of Medical Sciences

Other areas of specialty/work**Street address**

Imam Reza Hospital, Tabriz

City

Tabriz

Postal code**Phone**

+98 41 1335 7850

Fax

+98 41 1335 7850

Email

mobasserimajid@yahoo.com

Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Tabriz University of Medical Sciences

Full name of responsible person

dr.Shahram Ghiyasvand

Position

MD, Resident of Internal Medicine

Other areas of specialty/work**Street address**

Imam Reza Hospital, Tabriz

City

Tabriz

Postal code**Phone**

00

Fax**Email**

ghiyasvand@live.com

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