

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

The Relationship of Physical Selected Activity and Food Consumption Pattern on UCP3 polymorphism 55/CT Gene in People with Morbid Obesity After Bariatric Surgery

Protocol summary

Study aim

Correlation of selected physical activity and food consumption pattern with weight changes, with changes in body mass index (BMI) with C and T allele frequency and with UCP3 gene polymorphism in morbidly obese people after bariatric surgery

Design

The statistical population of this research includes 30 people who undergo bariatric surgery in Shiraz Hospital with the following conditions: 1- having morbid obesity, i.e. BMI = 5 ± 35 kg/m²- 2- performing bariatric surgery in Mother and Child Hospital or Hafez Shiraz 3- performing activities Physical fitness and compliance with the food consumption pattern prescribed by the surgeon for three months Three months after the bariatric operation and the determination of the new body mass index of the patients, the people who did not undergo surgery are selected as the control group.

Settings and conduct

According to the type of target, is placed in the ranks of experimental and applied research, in such a way that the effect of the independent variable (physical activity and food consumption pattern) on the dependent variable (CT/55 UCP3 gene polymorphism) is evaluated. becomes The study included peripheral blood samples, height and weight measurement and BMI calculation before the operation and three months after the bariatric operation, so the current research plan includes a pre-test and a post-test.

Participants/Inclusion and exclusion criteria

Obese people who are candidates for bariatric surgery

Intervention groups

Operated obese people: the main group People who did bariatric surgery within the new range of body mass people: control group

Main outcome variables

Detection of obesity-related phenotypes

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20230225057536N1**

Registration date: **2023-07-20, 1402/04/29**

Registration timing: **retrospective**

Last update: **2023-07-20, 1402/04/29**

Update count: **0**

Registration date

2023-07-20, 1402/04/29

Registrant information

Name

Mahtab matin

Name of organization / entity

Zand Shiraz Institute of Higher Education

Country

Iran (Islamic Republic of)

Phone

+98 71 3650 9510

Email address

andiab1393@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-04-04, 1402/01/15

Expected recruitment end date

2023-05-05, 1402/02/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Relationship of Physical Selected Activity and Food Consumption Pattern on UCP3 polymorphism 55/CT Gene in People with Morbid Obesity AfterBariatric Surgery

Public title

The Relationship of Physical Selected Activity and Food Consumption Pattern on UCP3 polymorphism 55/CT Gene in People with Morbid Obesity

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Morbid obesity Bariarric surgery

Exclusion criteria:

special disease

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 30

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Shiraz University of Rehabilitation Sciences

Street address

Faculty of Rehabilitation Sciences,1th Abivardi St.,Chamran Blvd.

City

Shiraz

Province

Fars

Postal code

Approval date

2021-08-08, 1400/05/17

Ethics committee reference number

IR.SUMS.REHAB.REC1400.17

Health conditions studied

1

Description of health condition studied

obesity

ICD-10 code

E66

ICD-10 code description

Overweight and obesity

Primary outcomes

1

Description

BMI,T&C allele

Timepoint

After bariatric surgery

Method of measurement

Scale, Amplification Refractory Mutation System(PCR-ARMS)

Secondary outcomes

1

Description

Weight

Timepoint

3 month after surgery

Method of measurement

Digital scale

Intervention groups

1

Description

Control group: People who have not had surgery

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Ghadir Mother and Child Superspeciality Hospital, Shiraz

Full name of responsible person

Dr. Masood Amini

Street address

Mother and Child Hospital ,at the beginning of Golshan, Above the Koran Gate

City

shiraz

Province

Fars

Postal code**Phone**

+98 71 3227 9701

Email

motherhosp@gmail.com

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Zand Institute of Higher Education

Full name of responsible person

Homa Sheikhani Shahin

Street address

Zand Institute of Higher Education,12 Alley,At the end of Hammet South Blvd.

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73489-71887

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hsheikhani@yahoo.com

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

Yes

Title of funding source

Zand Institute of Higher Education

Proportion provided by this source

100

Public or private sector

Private

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**

Zand Institute of Higher Education

Full name of responsible person

Homa Sheikhani Shahin

Position

Consultant

Latest degree

Ph.D.

Other areas of specialty/work

Physiology

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

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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

Yes - There is a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

Finding polymorphisms associated with obesity and overweight

When the data will become available and for how long

3 month after surgery

To whom data/document is available

For researchers working in academic and scientific institutions

Under which criteria data/document could be used

Data is only permitted for use in statistical analyses

From where data/document is obtainable

Mahtab Matin

What processes are involved for a request to access data/document

It will be emailed as soon as the request is made (it may take up to a week)

Comments