

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jul 2026

Effect of oral olive oil on healing of 10% to 20 %Total Body Surface Area, deep second degree and more burn wounds in hospitalized patients

Protocol summary

Summary

The purpose of this study was to evaluate the effect of consumption of oral olive oil on clinical outcomes and wound healing of thermally injured patients with hospital stays. One hundred patients with 10% to 20% Total Body Surface Area, deep second-degree and more burn wounds were randomized to receive either oral olive oil or sunflower oil as the oil in their diet. Inclusion criteria were being on oral diet and aged between 13 to 59 years. Patients had to be enrolled within 12 hours of developing these criteria. Patients were evaluated daily for occurrence of wound infection, sepsis and healing of the grafted skin. Also the duration of hospitalization and admission to the intensive care unit were compared in two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014010414901N2**

Registration date: **2014-01-11, 1392/10/21**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-01-11, 1392/10/21

Registrant information

Name

Zahra Vahdat Shariatpanahi

Name of organization / entity

Faculty of Nutrition and Food Sciences, Shahid Beheshti University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 2235 7484

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z.shariatpanahi@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Velayat Subspecialist Burn and Plastic Surgery Hospital

Expected recruitment start date

2013-09-01, 1392/06/10

Expected recruitment end date

2013-12-01, 1392/09/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of oral olive oil on healing of 10% to 20 %Total Body Surface Area, deep second degree and more burn wounds in hospitalized patients

Public title

Burn and Olive Oil

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Being on oral diet; Aged between 13 to 59 years; Deep second degree wounds and more with 10% to 20% TBSA Exclusion criteria: Intolerance to Olive oil

Age

From **13 years** old to **59 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 100

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Shahid Beheshti University of Medical Science,
International Branch

Street address

Tavanir st.

City

Tehran

Postal code

Approval date

2013-10-07, 1392/07/15

Ethics committee reference number

116/2878

Health conditions studied

1

Description of health condition studied

Burn

ICD-10 code

T29.4

ICD-10 code description

Corrosions of multiple regions, unspecified degree

Primary outcomes

1

Description

مدت زمان ترمیم زخم

Timepoint

روزانه

Method of measurement

معاینه فیزیکی

Secondary outcomes

1

Description

Duration of hospitalization

Timepoint

Daily

Method of measurement

Physical examination

Intervention groups

1

Description

Intervention Group: Oral Olive oil, 15% total calorie,
during hospitalization

Category

Treatment - Other

2

Description

Control Group: Oral Sunflower oil, 15% total calorie,
during hospitalization

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Velayat Subspecialist Burn and Plastic Surgery
Hospital

Full name of responsible person

Dr Mohammad Tolouei

Street address

City

Rasht

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Velayat Subspecialist Burn and Plastic Surgery
Hospital.

Full name of responsible person

Dr Mohammad Tolouei

Street address

Valiasr Street

City

Rasht

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Velayat Subspecialist Burn and Plastic Surgery Hospital.

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**Faculty of Nutrition and Food Sciences, Shahid
Beheshti University of Medical Sciences**Full name of responsible person**

Zahra Vahdat Shariatpanahi

Position

MD, PhD in nutrition

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Zahra Vahdat Shariatpanahi

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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*