

Clinical Trial Protocol

Iranian Registry of Clinical Trials

12 Jun 2026

The Topical Effect of Grape Seed Extract 2% Cream on Surgery Wound Healing

Protocol summary

Summary

In this study we investigated the topical effect of grape seed extract on skin wound healing in humans. This double blind clinical trial conducted on two groups of treatment and placebo. Surgery was performed on skin lesions such as skin tags and moles which were found on the neck, trunk and limbs (except for face). After enrollment and obtaining informed consent from participants, they were randomized into two groups of treatment and placebo. Excision of the lesions was done by surgical scissors. The lesions got restored by secondary intention method. After the first day of treatment, the patients were visited on the 3rd, 7th, 10th, 14th, and 21st day. Grape seed extract cream 2% was produced and coded by the Faculty of Pharmacy, Ahvaz University of Medical Sciences. In order to compare the two groups, T-test was used. For time assessing, analysis of variance with repeated measures was employed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014110314190N6**

Registration date: **2015-05-11, 1394/02/21**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-05-11, 1394/02/21

Registrant information

Name

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research and Technology Development, Ahvaz Jondishapur University of Medical Sci

Expected recruitment start date

2012-09-22, 1391/07/01

Expected recruitment end date

2013-09-23, 1392/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Topical Effect of Grape Seed Extract 2% Cream on Surgery Wound Healing

Public title

The Topical Effect of Grape Seed Extract Cream on Wound Healing

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion Criteria: comprised skin lesions such as skin tag and mole on the neck, trunk and limbs (except for face); age between 14 and 50 years; clinical benignity of the lesion; size of the lesion larger than 3mm and smaller than 1cm. Exclusion Criteria: having any underlying diseases, immunosuppressant or other certain medications; pregnancy or lactation; smoking or any

long-term drug use; and having concurrent malignancy.

Age

From **14 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **40**

Randomization (investigator's opinion)

N/A

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

Ethics committee of Ahvaz Jundishapur University of Medical Sciences

Street address

Ahvaz Jundishapur University of Medical Sciences, University City, Ahvaz

City

Ahvaz

Postal code

Approval date

2012-09-16, 1391/06/26

Ethics committee reference number

ajums.REC.1393.436

Health conditions studied

1

Description of health condition studied

Surgical Site Infection and Wound Healing

ICD-10 code

L08.9

ICD-10 code description

Local infection of skin and subcutaneous tissue, unspecified

Primary outcomes

1

Description

surface area of the skin

Timepoint

Then the patients were visited on the 3rd, 7th, 10th, 14th, and 21st day.

Method of measurement

In all the patients, transparent sheet was used to measure the surface area of the sample and the shape of the lesion was graphed. Furthermore, in every visit the patients' wounds were photographed with an 8 MP Cannon camera. On the first day, wound level was considered 100% and improvement 0%, the next days, wound level and the rate of improvement were assessed and registered.

Secondary outcomes

1

Description

wound infection

Timepoint

At the end of the study

Method of measurement

clinical findings and wound culture

Intervention groups

1

Description

Intervention group: patients treated Grape Seed Extract 2% Cream and were followed for 3 weeks.

Category

Treatment - Drugs

2

Description

Control group: patients treated with placebo and were followed for 3 weeks.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam Khomeini Hospital

Full name of responsible person

Dr. Ali Asghar Hemmati

Street address

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research and Technology
Development, Ahvaz Jondishapur University of
Medical Sci

Full name of responsible person

Dr.Nader Saki

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Ground Floor, Faculty of Rehabilitation Sciences
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Grant name**Grant code / Reference number****Is the source of funding the same sponsor
organization/entity?**

Yes

Title of funding source

Vice Chancellor for Research and Technology
Development, Ahvaz Jondishapur University of Medical
Sci

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**

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Full name of responsible person

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Position

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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