

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Evaluation the effect of Plasma Rich Platelet gel on the rate of donor site wound healing in burn patients :Triple-blind clinical trial.

Protocol summary

Summary

Objective: Evaluation the effect of Plasma Rich Platelet gel on the rate of donor site wound healing in burn patients. Method: 35 patients with burns deep IIB and III will be chosen. In each case the removal of skin grafts for transplantation will be divided into two parts. In an area first PRP gel topically, then standard dressing will be used, but in another area just a standard dressing will be used. On the day of 10th and 30th, acceleration of macroscopic healing will be evaluated by two experts on wound epithelialization and granulation, pigmentation and surface vascularity.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017030716148N4**

Registration date: **2017-05-20, 1396/02/30**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-05-20, 1396/02/30

Registrant information

Name

Samira Foji

Name of organization / entity

Sabzevar University of Medical Sciences

Country

Iran (Islamic Republic of)

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Email address

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research Sabzevar University of Medical Sciences

Expected recruitment start date

2015-07-07, 1394/04/16

Expected recruitment end date

2016-01-06, 1394/10/16

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation the effect of Plasma Rich Platelet gel on the rate of donor site wound healing in burn patients :Triple-blind clinical trial.

Public title

Clinical trial of comparing the effects of platelet-rich plasma gel on wound healing harvesting grafts in burn patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Aged between 15 and 60 years of age: autologous skin grafts to repair burns require surgery: having informed consent and willingness to participate in the plan. Exclusion criteria: To continue to cooperate dissatisfied for any reason and at any stage of the research: lack of time set for review: an underlying disease such as connective tissue disease, diabetes, cancer, malnutrition, sepsis and :platelet 100000 or hemoglobin below 10 age younger than 15 and older than 60 years: infected or inflamed area harvested skin grafts from any cause: any manipulation on the wound harvest skin grafts: use of systemic corticosteroids 2 weeks ago: the use of nonprescription drugs or

medication on the skin graft harvest! NSAID consumption up to 72 hours in advance! hemodynamic disorders.

Age

From **15 years** old to **60 years** old

Gender

Both

Phase

4

Groups that have been masked

No information

Sample size

Target sample size: **35**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Triple 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 Sabzevar University of Medical Sciences

Street address

Sabzevar - Tawhid shahr - University of Medical Sciences

City

Sabzevar

Postal code

Approval date

2015-07-06, 1394/04/15

Ethics committee reference number

Ir.Medsb.Rec.1394.40

Health conditions studied

1

Description of health condition studied

burn

ICD-10 code

T30.2

ICD-10 code description

Burn of second degree, body region unspecified

2

Description of health condition studied

burn

ICD-10 code

T30.3

ICD-10 code description

Burn of third degree, body region unspecified

Primary outcomes

1

Description

The extent of epithelialization

Timepoint

Day 10

Method of measurement

Morphology

2

Description

The amount of granulation

Timepoint

Day 10

Method of measurement

Morphology

3

Description

The amount of pigmentation

Timepoint

Day 30

Method of measurement

Morphology

4

Description

The amount of surface vascularity

Timepoint

Day 30

Method of measurement

Morphology

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: the use of platelet-rich plasma gel on skin graft harvest site and then using of standard dressing

Category

Treatment - Drugs

2

Description

Control group: the use of standard dressing on skin graft harvest site

Category

Treatment - Other

Recruitment centers1**Recruitment center****Name of recruitment center**

The burn unit of Vasei Hospital of Sabzevar

Full name of responsible person

Sajad Kazemi

Street address**City**

Sabzevar

Sponsors / Funding sources1**Sponsor****Name of organization / entity**

Vice chancellor for research of Sabzevar University of Medical Sciences

Full name of responsible person

Dr Mohamad Mohamadsadeh

Street address

Tawhid Shahr, Pardis University of Medical Sciences

City

Sabzevar

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 of Sabzevar 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**

Sabzevar University of Medical Sciences

Full name of responsible person

Sajad Kazemi

Position

Medical Student

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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