

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

28 May 2026

### Comparing effect of Iranian hydrogel with Maxgel and conventional dressing in the treatment of second degree burn in shahid sadoughi burn hospital

#### Protocol summary

##### Summary

Evaluation of Iranian hydrogel on repair of burned skin. Patients with grade two burn include in research, fewer than 10 and over 50 years old, specific area such: head, neck, axilla and perinea, patient with inflammatory disease and cases more than 24 hours last from burn excluded. Patients randomly divided in three groups, first with conventional dressing and two others with Iranian gel and Maxgel dressed in each group with 30 patients. The patients dressing continued until complete repair every other day. Severity of pain while dressing, remission rate and infection of skin will be measured and compared in three groups.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT138902123853N1**  
Registration date: **2012-06-02, 1391/03/13**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2012-06-02, 1391/03/13

##### Registrant information

###### Name

Mohamad Taghi Noorbala

###### Name of organization / entity

Shahid Sadoughi University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 35 1525 0094

###### Email address

noorbala@ssu.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Yazd Radiation Application Research School

##### Expected recruitment start date

2010-06-01, 1389/03/11

##### Expected recruitment end date

2011-06-01, 1390/03/11

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparing effect of Iranian hydrogel with Maxgel and conventional dressing in the treatment of second degree burn in shahid sadoughi burn hospital

##### Public title

Evaluation of efficacy and safety of Iranian Hydrogel in burn

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: only grad two skin burn  
Exclusion criteria: burned surface more than 10%; axillary, groin, perinea, head and neck burn lasted more than 24h; Known immuno-compromised patients; patients with known systemic inflammatory disease.

##### Age

From **10 years** old to **50 years** old

##### Gender

Both

##### Phase

N/A

**Groups that have been masked**

No information

**Sample size**

Target sample size: 30

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

**Blinding (investigator's opinion)**

Not blinded

**Blinding description**

**Placebo**

Not used

**Assignment**

Parallel

**Other design features**

**Secondary Ids**

1

**Registry name**

No

**Secondary trial Id**

No

**Registration date**

empty

**Ethics committees**

1

**Ethics committee**

**Name of ethics committee**

Ethics committee of shahid Sadoughi Medical sciences University

**Street address**

Bahonar Square No. 1 Bulding of SSU, Yazd

**City**

Yazd

**Postal code**

**Approval date**

2009-01-11, 1387/10/22

**Ethics committee reference number**

94895

**Health conditions studied**

1

**Description of health condition studied**

Second Stage of Burning

**ICD-10 code**

T22

**ICD-10 code description**

Burn and corrosion of shoulder and upper limb, except wrist and hand

2

**Description of health condition studied**

Second Stage of Burning

**ICD-10 code**

T23

**ICD-10 code description**

Burn and corrosion of wrist and hand

3

**Description of health condition studied**

Second stage of burning

**ICD-10 code**

T21

**ICD-10 code description**

Burn and corrosion of trunk

4

**Description of health condition studied**

Second Stage of Burning

**ICD-10 code**

T24

**ICD-10 code description**

Burn and corrosion of hip and lower limb, except ankle and foot

5

**Description of health condition studied**

Second Stage of Burning

**ICD-10 code**

T25

**ICD-10 code description**

Burn and corrosion of ankle and foot

**Primary outcomes**

1

**Description**

Repair of burned surface

**Timepoint**

Every other day

**Method of measurement**

masurement of burn surface by ruler

**Secondary outcomes**

1

**Description**

Pain in dressing time

**Timepoint**

every other day

**Method of measurement**

Visual scale

**Intervention groups**

1

**Description**

Dressing of burned skin in all groups continued untile complete remission every other day. Group one dressing

as conventional mode with gas vaselin and silver sulfadiazin cream, in group two dressing with Iranian hydrogel (Product of Radiation Application Research School) and third group dressing with Maxgel ( product of Fordgel company of hong-kong).

**Category**

Treatment - Other

**Recruitment centers****1****Recruitment center****Name of recruitment center**

Shahid Sadoghi Burn Hospital

**Full name of responsible person**

Mohamad Taghi Noorbala

**Street address****City**

Yazd

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

Yazd Radiation Application Research School

**Full name of responsible person**

Mohamad Ali Taghavi Zade Ardakani

**Street address**

15 Km Yazd -Taft Road

**City**

Yazd

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

Yes

**Title of funding source**

Yazd Radiation Application Research School

**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**

Shahid Sadoughi Medical Sciences University

**Full name of responsible person**

Mohamad Taghi Noorbala

**Position**

Associate Professor of Dermatology

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

22 Bahman Blv, Shahid Sadoughi Burn Hospital

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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*