

Clinical Trial Protocol

Iranian Registry of Clinical Trials

25 Jun 2026

Evaluation t of 24 -hour moisturizing effect of SynSkin hydrating cream in people with dry skin. A before and after clinical study

Protocol summary

Study aim

Evaluation of 24 hours moisturizing effect of SynSkin cream

Design

It is a interventional study as a single group before-after clinical study.

Settings and conduct

The study will be conducted in Center for Research & Training in Skin Diseases and Leprosy. Participate will receive 25 µL of 24 hours moisturizer product(SynSkin) once a day for 2 weeks on assigned area on right forearm.The assessments of skin biophysical parameters (skin hydration, trans epidermal water loss, skin elasticity and skin friction) will be performed before intervention and 1, 4, 24 and 2 weeks later and changes will be compared before and after intervention.

Participants/Inclusion and exclusion criteria

Inclusion criteria: general health, signing inform consent, clinically diagnosed dry skin Exclusion criteria: active smoker, Presenting an infection or active skin lesion on treatment site, cutaneous or systemic diseases lead to dry skin, pregnancy or breast feeding

Intervention groups

Using moisturizer products (SynSkin) once a day for 2 weeks.

Main outcome variables

Change of stratum corneum hydration 24 hours after application

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20190210042676N21**

Registration date: **2022-05-09, 1401/02/19**

Registration timing: **retrospective**

Last update: **2022-05-09, 1401/02/19**

Update count: **0**

Registration date

2022-05-09, 1401/02/19

Registrant information

Name

Aniseh Samadi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 8897 2220

Email address

a_samadi@razi.tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2021-06-07, 1400/03/17

Expected recruitment end date

2021-07-29, 1400/05/07

Actual recruitment start date

2021-06-07, 1400/03/17

Actual recruitment end date

2021-06-28, 1400/04/07

Trial completion date

2021-07-27, 1400/05/05

Scientific title

Evaluation t of 24 -hour moisturizing effect of SynSkin hydrating cream in people with dry skin. A before and after clinical study

Public title

Evaluation the effect of a 24 -hour moisturizer

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Male or female aged 18-60 years The presence of skin dryness Voluntary participation and signing written informed consent

Exclusion criteria:

Active skin diseases Active smoking Pregnancy or breastfeeding Using systemic corticosteroid in the past 30 days Use of any topical drugs in the past 7 days Scar, wound or any condition on the inner forearms that could interfere with a clear-cut assessment of the skin

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **20**

Actual sample size reached: **19**

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 Tehran University of Medical Sciences

Street address

Research and Technology Dept, 6th floor, Central Organization of the University, Ghods St., Keshavarz Blvd.

City

Tehran

Province

Tehran

Postal code

1417653761

Approval date

2021-06-06, 1400/03/16

Ethics committee reference number

IR.TUMS.MEDICINE.REC.1400.220

Health conditions studied

1

Description of health condition studied

Dry skin

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

The change in stratum corneum hydration after using SynSkin cream

Timepoint

Before intervention and 1 and 4 hours, 24 h, 2weeks after using and one week after not using

Method of measurement

Corneometry

Secondary outcomes

1

Description

Trans Epidermal Water Loss

Timepoint

Before intervention and 1 and 4 hours, 24 h, 2weeks after using and one week after not using

Method of measurement

Tewameter

2

Description

Skin elasticity

Timepoint

Before intervention and 1 and 4 hours, 24 h, 2weeks after using and one week after not using

Method of measurement

Cutometry

Intervention groups

1

Description

Intervention group: : Topical use of 25 µL of SynSkin 24-hour herbal moisturizer once a day for 2 weeks

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Center for research and training in skin diseases and leprosy

Full name of responsible person

Aniseh Samadi

Street address

No. 415, Shahid Naderi (Soheil) St., Taleqani Ave.

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Fax

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Email

dermalab@tums.ac.ir

Web page address

http://crtSDL.tums.ac.ir

Full name of responsible person

Aniseh Samadi

Position

Manager of clinical study unit

Latest degree

Ph.D.

Other areas of specialty/work

Dermatology

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

Iran Avandfar Company

Full name of responsible person

Nader Soltani Hoseini

Street address

No.80 ,Baquerkhan Ave. ,Sattarkhan St.

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1441764181

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info@iranbath.com

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

Yes

Title of funding source

Iran Avandfar Company

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**

Industry

Person responsible for general inquiries**Contact****Name of organization / entity**

Tehran University of Medical Sciences

Person responsible for scientific inquiries**Contact****Name of organization / entity**

Tehran University of Medical Sciences

Full name of responsible person

Alireza Firooz

Position

Professor of dermatology

Latest degree

Specialist

Other areas of specialty/work

Dermatology

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firozali@sina.tums.ac.ir

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

Tehran University of Medical Sciences

Full name of responsible person

Maryam Ahmadi

Position

Research Expert

Latest degree

Master

Other areas of specialty/work

Clinical Research

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available