

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Evaluation of the protective effect of Curcuma Longa against cisplatin induced nephrotoxicity in patients with cancer

Protocol summary

Study aim

Evaluation of the protective effect of Curcuma Longa against cisplatin induced nephrotoxicity in patients with cancer

Design

Clinical trial with a control group, with parallel groups, one-way blind, randomized, on 30 patients (2 groups of 15 people). Patients are allocated randomly with simple sequential allocation in one of the two study groups by help of sealed envelope.

Settings and conduct

This study will be performed as a clinical trial in Kosar Hospital in Semnan. Patients are unaware of the intervention groups. Variables are measured before starting cisplatin treatment and also at 5 and 21 days after starting cisplatin treatment.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Age 18-60 years; Confirmation of cancer by a specialist doctor; The disease should be such that the use of cisplatin as a treatment is approved by a specialist doctor. Exclusion criteria: The patient has a previous kidney disease (GFR is low from the beginning); Existence of underlying diseases such as diabetes, hypertension, etc. in the patient; Increased creatinine indicated for discontinuation of the drug.

Intervention groups

Intervention group: In addition to routine treatments, this group consumes one turmeric tablet of "Dineh Iran" company (Each tablet contains 450 mg of turmeric rhizome powder and 50 mg of turmeric extract, which is standardized based on 5.47 mg of curcumin) with lunch 3 days before the start of cisplatin treatment. Control group: This group only receives routine treatments.

Main outcome variables

Blood creatinine level; BUN(Blood Urea Nitrogen) level; Creatinine Clearance level.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20151228025732N70**

Registration date: **2021-12-07, 1400/09/16**

Registration timing: **registered_while_recruiting**

Last update: **2021-12-07, 1400/09/16**

Update count: **0**

Registration date

2021-12-07, 1400/09/16

Registrant information

Name

Alireza Emadi

Name of organization / entity

Semnan University of Medical Sciences, Semnan, Iran

Country

Iran (Islamic Republic of)

Phone

+98 23 3345 1336

Email address

are20935@semums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2021-12-06, 1400/09/15

Expected recruitment end date

2022-02-04, 1400/11/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the protective effect of Curcuma Longa against cisplatin induced nephrotoxicity in patients with cancer

Public title

Evaluation of the protective effect of Curcuma Longa induced nephrotoxicity in patients with cancer

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Age 18-60 years Confirmation of cancer by a specialist doctor The disease should be such that the use of cisplatin as a treatment is approved by a specialist doctor

Exclusion criteria:

The patient has a previous kidney disease (GFR is low from the beginning) Existence of underlying diseases such as diabetes, hypertension, etc. in the patient Increased creatinine indicated for discontinuation of the drug

Age

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

Gender

Both

Phase

N/A

Groups that have been masked

- Participant

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

Randomized

Randomization description

Numbers 1 to 30 are written on paper and all of them are placed in sealed envelopes. Patients are then asked to select an envelope each. Patients whose number in the envelope is odd will be in the intervention group and patients whose number in the envelope is even will be in the control group.

Blinding (investigator's opinion)

Single blinded

Blinding description

Drug packaging is coded. So that the patients are unaware of the drug content packaging and intervention that they receive.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Semnan University of Medical Sciences

Street address

Semnan University of Medical Sciences, Basij Blvd, Semnan

City

Semnan

Province

Semnan

Postal code

3514799442

Approval date

2020-10-27, 1399/08/06

Ethics committee reference number

IR.SEMUMS.REC.1399.218

Health conditions studied

1

Description of health condition studied

Cisplatin induced nephrotoxicity

ICD-10 code

N17.9

ICD-10 code description

Acute kidney failure, unspecified

Primary outcomes

1

Description

Blood creatinine level

Timepoint

Before starting treatment with Cisplatin and 5 and 21 days after starting treatment with Cisplatin

Method of measurement

Biorexfars Laboratory Diagnostic Kit

2

Description

BUN(Blood Urea Nitrogen) level

Timepoint

Before starting treatment with Cisplatin and 5 and 21 days after starting treatment with Cisplatin

Method of measurement

Biorexfars Laboratory Diagnostic Kit

3

Description

Creatinine Clearance level

Timepoint

Before starting treatment with Cisplatin and 5 and 21 days after starting treatment with Cisplatin

Method of measurement

Through Up-to-date software and using the CKD-EPI formula

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In addition to routine treatments, this group consumes one turmeric tablet of "Dineh Iran" company (Each tablet contains 450 mg of turmeric rhizome powder and 50 mg of turmeric extract, which is standardized based on 5.47 mg of curcumin) with lunch 3 days before the start of cisplatin treatment.

Category

Treatment - Drugs

2

Description

Control group: This group only receives routine treatments

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Kowsar Hospital

Full name of responsible person

Seyed Ali Madani Lamraski

Street address

Street Amin, Semnan

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3519899951

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Email

are20935@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Semnan University of Medical Sciences

Full name of responsible person

Parviz Kokhaei

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Semnan University of Medical Sciences, Basij Blvd,
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p_kokha@yahoo.com

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Semnan University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Semnan University of Medical Sciences

Full name of responsible person

Mohammad Amir Sarabi

Position

Associate professor

Latest degree

Subspecialist

Other areas of specialty/work

Hematology

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Street Amin, Semnan

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

Mohammad Amir Sarabi

Position

Associate professor

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Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

Mohammad Amir Sarabi

Position

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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

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available