

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

A comparative study of prognosis of patients with rice tablet poisoning (phosphide) the new and old protocol

Protocol summary

Summary

Our aim of this investigation is new proposed protocol for treatment rice tablet and phosphide compounds toxicity by using new ways is more effective than others. This protocol is going to do on patients coming to Imam Khomainsi hospital and this prognosis compare with previous prognosis at a past year. All patients coming to Imam Khomainsi toxicity center and having history of consumption rice tablet or phosphide compounds will be lavaged with potassium permanganate solution and then gavaged with sharchol, mixture of coconut oil and sodium bicarbonate. Patients transport to ICU and monitor then treatment with Hydrocortison Amp., magnesium sulfate, sodium bicarbonate, NAC and Ranitidine Amp. In this clinical trial carried out on 66 patients with phosphid compounds toxicity and new protocol prognosis compares with old protocol (on 66 patients at last year).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014072318571N1**

Registration date: **2014-08-04, 1393/05/13**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-08-04, 1393/05/13

Registrant information

Name

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Kermanshah University of Medical Science

Expected recruitment start date

2013-12-31, 1392/10/10

Expected recruitment end date

2014-12-31, 1393/10/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A comparative study of prognosis of patients with rice tablet poisoning (phosphide) the new and old protocol

Public title

Study of prognosis of patients with rice tablet toxicity

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Consumed aluminum phosphide compounds and the symptoms of poisoning including: retro sternal pain; hypotention and metabolic acidosis. Exclusion criteria: Dead patients; history of other drugs toxicity; admission after 24h of consumption.

Age

No age limit

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 132

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Kermanshah University of Medical Science

Street address

Shahid Beheshti.Blv, Kermanshah

City

Kermanshah

Postal code

Approval date

2014-02-04, 1392/11/15

Ethics committee reference number

49398

Health conditions studied

1

Description of health condition studied

poisoning

ICD-10 code

T60.8

ICD-10 code description

Organophosphate and carbamate insecticides

Primary outcomes

1

Description

Renal complications

Timepoint

Day

Method of measurement

watch

2

Description

Liver complications

Timepoint

Day

Method of measurement

watch

3

Description

cardiovascular complications

Timepoint

day

Method of measurement

watch

4

Description

Survival rate

Timepoint

From coming to hospital to cure or expire

Method of measurement

watch

5

Description

duration of admission in ICU and ward

Timepoint

Hour

Method of measurement

watch

Secondary outcomes

1

Description

Organ damage

Timepoint

day

Method of measurement

day

2

Description

Organ damage

Timepoint

day to day

Method of measurement

daily

Intervention groups

1

Description

Gasteric lavage with potassium permanganate solution1/10000 and then gavaged with 100g sharchol

and mixture of 100cc coconut oil and 50cc sodium bicarbonate and sorbitol. Patients transport to ICU and monitor then treatment with 100mg Hydrocortison Amp. QID or dexametazone 8mg TDS(IV), 3g magnesium sulfate IV stat then 6g BD during 3-5 days (contraindicated in HTN), 50meq sodium bicarbonate in serum TDS (contraindicated in NaHCO₃>24-30, NAC with acetaminophene antidote dose(contraindicated in asthma) and 50mg Ranitidine Amp. TDS.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam Khomaini hospital

Full name of responsible person

Reza Hedayat Yaghoobi

Street address

Emam Reza Hospital, Kermanshah

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research Deputy of Kermanshah University Of Medical Sciences

Full name of responsible person

Dr. Farid Najafi

Street address

Shahid Beheshti Blv, Kermanshah

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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

Research Deputy of Kermanshah 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

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Full name of responsible person

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Web page address	<i>empty</i>
Sharing plan	Informed Consent Form
	<i>empty</i>
Deidentified Individual Participant Data Set (IPD)	Clinical Study Report
<i>empty</i>	<i>empty</i>
Study Protocol	Analytic Code
<i>empty</i>	<i>empty</i>
Statistical Analysis Plan	Data Dictionary
	<i>empty</i>