Clinical Trial Protocol
Iranian Registry of Clinical Trials

25 Nov 2026

Effect of curcumin on liver function enzymes in patients with NAFLD

Protocol summary

Summary

The effect of curcumin on inflammatory factors؛ lipid profile؛ glycemic index؛ anthropometric indices؛ sonographic finding and liver function in patients with NAFLD. Inclusion criteria: not suffering from diseases such as cardiovascular problems؛ kidney؛ lung؛ thyroid disorders؛ non-smoking and inflammatory drugs like celecoxib. Exclusion criteria: patients with diseases such as cardiovascular problems؛ kidney؛ lung؛ thyroid disorders؛ Are pregnant؛ smoking and drugs like celecoxib inflammation؛ Patients with non-alcoholic fatty liver؛ alcoholic؛ a sample size of 80 intervention trial period 09/15/93 to 11/15/93 outcome: treatment

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014110511763N18**
Registration date: **2015-01-18, 1393/10/28**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2015-01-18, 1393/10/28

Registrant information

Name
Gholamreza Askari
Name of organization / entity
Isfahan University of Medical Sciences
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Iran (Islamic Republic of)
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+98 31 1792 2110
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askari@mui.ac.ir

Recruitment status

Recruitment complete

Funding source

Isfahan University School of Nutrition

Expected recruitment start date

2014-10-23, 1393/08/01

Expected recruitment end date

2014-12-06, 1393/09/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of curcumin on liver function enzymes in patients with NAFLD

Public title

The effect of curcumin in the treatment of NAFLD

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: not suffering from diseases such as cardiovascular problems; kidney; lung; thyroid disorders and liver problems such as hepatitis; chronic liver disease; nonalcoholic fatty liver disease; Pregnant and milking ; BMW over 25; non-smoking and drugs such as celecoxib on inflammation. Exclusion criteria: patients with diseases such as cardiovascular problems; kidney; lung; thyroid disorders and liver problems such as hepatitis; chronic liver disease; nonalcoholic fatty liver disease; Become pregnant; smoking and drugs such as celecoxib on inflammation.

Age

From **76 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size
Target sample size: **80**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Double blinded

Blinding description

Placebo
Used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
University of Medical Sciences

Street address
St. thousand acres, Isfahan University of Medical Sciences and Health Services, Headquarters

City
isfahan

Postal code
۷۳۴۶۱-۸۱۷۴۶

Approval date
2014-10-16, 1393/07/24

Ethics committee reference number
393581

Health conditions studied

1

Description of health condition studied
nonalcholic fatty liver

ICD-10 code
76.0

ICD-10 code description
Fatty (change of) liver, not elsewhere classified

Primary outcomes

1

Description
ALT

Timepoint
Before and after study

Method of measurement
Enzymatic photometric

2

Description
AST

Timepoint
Before and after study

Method of measurement
Enzymatic photometric

Secondary outcomes

1

Description
TG

Timepoint
Before and after study

Method of measurement
Enzymatic

2

Description
Tch

Timepoint
Before and after study

Method of measurement
Enzymatic

3

Description
HDL

Timepoint
Before and after study

Method of measurement
Enzymatic

4

Description
LDL

Timepoint
Before and after study

Method of measurement
Fried Wald Equation equation

5

Description
hs-CRP

Timepoint
Before and after study

Method of measurement
Aymynvasy sensitive enzymatic

6

Description
F.B.S

Timepoint
Before and after study

Method of measurement

Enzymatic

7

Description
HBA1C
Timepoint
Before and after study
Method of measurement
Enzymatic

Intervention groups

1

Description
Intervention: curcumin, Capsules, 500 mg orally, once daily for 2 months
Category
Placebo

2

Description
Control: placebo (bass calcium phosphate) Capsules 500 mg orally, once daily for 2 months
Category
Placebo

Recruitment centers

1

Recruitment center
Name of recruitment center
Endocrinology and Metabolism Research Center, S. T.
Full name of responsible person
GholamReza Asgari doctor
Street address
Near the center of Smdyh Tee of St. Khurram S T (S)
City
Isfahan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Isfahan University of Medical Sciences
Full name of responsible person
GholamReza Asgari doctor
Street address
Street thousand acres, Isfahan University of Medical Sciences and Health Services, Headquarters
City
Isfahan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Isfahan 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
Isfahan University of Medical Sciences
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GholamReza Asgari doctor
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Person responsible for updating data

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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