

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Sep 2026

Effect of intrathyroidal dexamethasone injection on the goiterous size, clinical and biochemical course of goiterous Hashimoto's thyroiditis with subclinical hypothyroidism

Protocol summary

Summary

The overall aim of this study was to determine the effect of intrathyroidal dexamethasone injection on the goiterous size, clinical and biochemical course of goiterous Hashimoto's thyroiditis with subclinical hypothyroidism. Forty patients with the goiterous Hashimoto's thyroiditis with subclinical hypothyroiditis were randomized into experimental or control group. For the patients in the intervention group, Dexamethasone injection protocol within three months with needle No 25 (0/25 mm) under ultrasound guidance was performed. The patients in the control group didn't receive any intervention. The size of thyroid and anti-thyroid antibodies levels were assessed as primary outcome measure.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201103023565N3**

Registration date: **2011-03-29, 1390/01/09**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-03-29, 1390/01/09

Registrant information

Name

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Name of organization / entity

Tabriz University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciences

Expected recruitment start date

2010-11-05, 1389/08/14

Expected recruitment end date

2011-03-20, 1389/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of intrathyroidal dexamethasone injection on the goiterous size, clinical and biochemical course of goiterous Hashimoto's thyroiditis with subclinical hypothyroidism

Public title

Effect of dexamethasone on the goiterous size

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: goiterous Hashimoto's thyroiditis with subclinical hypothyroidism, TSH $\geq$ 10 mIU/L, AntiTPO + or AntiTG Exclusion criteria: Age between 15 and more than 70, Use of corticosteroids therapy dose in the past six months for any reason, Use of antithyroid drugs at the baseline, Psychotic and psycho somatic diseases, Atrophic form of goiterous Hashimoto's thyroiditis, no consent to participate in the study

Age

From **15 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **40**

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

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Tabriz University of Medical Sciences

Street address

Tabriz University of Medical Sciences, Golgasht Avenue, Tabriz

City

Tabriz

Postal code

Approval date

2011-02-14, 1389/11/25

Ethics committee reference number

8955

Health conditions studied

1

Description of health condition studied

Goiterous Hashimoto's thyroiditis with subclinical Hyothyroidism

ICD-10 code

E06.3

ICD-10 code description

Primary outcomes

1

Description

(TSH) Thyroid Stimulating Hormone

Timepoint

Baseline, the end of the third month and sixth month end

Method of measurement

Laboratory

Secondary outcomes

1

Description

Antibody Against Thyroid Peroxidase (Anti TPO)

Timepoint

Baseline, the end of the third month and sixth month end

Method of measurement

Laboratory

2

Description

goiterous size

Timepoint

Baseline, the end of the third month and sixth month end

Method of measurement

Radiology

Intervention groups

1

Description

Dexamethasone injection protocol within three months with needle No 25 (0/25 mm) under ultrasound guidance

Category

Treatment - Drugs

2

Description

Patients in control group followed their routine life activities without any therapeutic plan

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam Reza Hospital

Full name of responsible person

Street address

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Alireza Ostadrahimi

Street address

Azadi Street, Golgasht Avenue, Tabriz

City

Tabriz

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

Yes

Title of funding source

Tabriz 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**

Emam Reza hospital

Full name of responsible person

Dr Akbar Aliasgharzadeha

Position

Associate Professor, Educational Assistant Section of
Endocrinology

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

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Tabriz University of Medical Sciences

Full name of responsible person

Dr Akbar Aliasgharzadeha

Position

Professor, Educational Assistant Section of
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Web page address**Person responsible for updating data****Contact****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