

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Effect of Pamidronate on bone pains in patients with Malignancy

Protocol summary

Summary

Purpose: The purpose of this study was to examine the effect of Pamidronate on bone pains in Cancer patients.
Design: This study was carried out on 41 patients with malignancy in Imam Sajad Hospital of Ramsar. Setting and conduct: This quasi-experimental study was carried out through convenience sampling method using a questionnaire and Visual Analog Scale (VAS). Inclusion criteria: Malignancy with bone metastasis Exclusion criteria: Renal dysfunction history or Creatinine more than 2mg/dl, Treatment of Hypocalcemia with other Bisphosphonates Intervention: In this study, Pamidronate (90 mg) was intravenously injected up to 3 months (one per month). Main outcome measures: Bone pains

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013032212197N5**
Registration date: **2013-05-05, 1392/02/15**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2013-05-05, 1392/02/15

Registrant information

Name

Maryam Zakerihamidi

Name of organization / entity

Tonekabon Islamic Azad University

Country

Iran (Islamic Republic of)

Phone

+98 19 1224 5014

Email address

maryamzakerihamidi@yahoo.co.nz

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research of Tonekabon Islamic Azad University

Expected recruitment start date

2010-02-04, 1388/11/15

Expected recruitment end date

2011-02-04, 1389/11/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Pamidronate on bone pains in patients with Malignancy

Public title

Effect of Pamidronate on treatment of bone pains

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Malignancy with bone metastasis
Exclusion criteria: Renal dysfunction history, Creatinine more than 2mg/dl, Treatment of Hypocalcemia with other Bisphosphonates

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **41**

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 Tonekabon Islamic Azad University

Street address

Islamic Azad University, Tonekabon, Vali Abad, Mazandaran, Iran

City

Tonekabon

Postal code

Approval date

2010-01-05, 1388/10/15

Ethics committee reference number

36491/5

Health conditions studied

1

Description of health condition studied

Bone pains in Cancer patients with bone metastases

ICD-10 code

C79.5

ICD-10 code description

Secondary malignant neoplasm of bone and bone marrow

2

Description of health condition studied

Hypercalcemia in Cancer patients with bone metastases

ICD-10 code

E83.5

ICD-10 code description

Disorders of calcium metabolism

3

Description of health condition studied

Quality of life in Cancer patients with bone metastases

ICD-10 code

Y98

ICD-10 code description

Lifestyle-related condition

Primary outcomes

1

Description

Bone pains

Timepoint

Before intervention - 3 months after intervention

Method of measurement

Visual Analogue Scale

Secondary outcomes

1

Description

Taking Sedatives

Timepoint

Before intervention - 3 months after intervention

Method of measurement

Questionnaire including Clinical data

2

Description

Taking Opiums

Timepoint

Before intervention - 3 months after intervention

Method of measurement

Questionnaire including Clinical data

Intervention groups

1

Description

In this study, Pamidronic Acid Ampule (90 mg) with Pamidronate brand name (Made in Hospira company) was intravenously injected for 3 months (one per month) along with 500 mL of Normal Saline during 2-4 hours. Data gathered through Clinical data Questionnaire and Visual Analog Scale (VAS) were compared before and after intervention.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Sajad Hospital of Ramsar

Full name of responsible person

Dr Shahrbanoo Keyhanian

Street address

Imam Sajad Hospital of Ramsar, Motahari St., Ramsar, Mazandaran, Iran

City

Ramsar

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research of Tonekabon Islamic Azad University

Full name of responsible person

Dr Hossein Ali Mashayekhi

Street address

Vice chancellor for research, Tonekabon Islamic Azad University

City

Tonekabon

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

Yes

Title of funding source

Vice chancellor for research of Tonekabon Islamic Azad University

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**

Vice chancellor for research of Tonekabon Islamic Azad University

Full name of responsible person

Dr Hossein Ali Mashayekhi

Position

Vice chancellor for research/PhD of Chemistry

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

Vice chancellor for research, Tonekabon Islamic Azad University, Tonekabon, Mazandaran, Iran

City

Tonekabon

Postal code**Phone**

+98 19 2427 1105

Fax**Email**

moaven.rsch.@tonekaboniau.ac.ir

Web page address

Person responsible for scientific

inquiries

Contact**Name of organization / entity**

Tonekabon Islamic Azad University

Full name of responsible person

Dr Hossein Ali Mashayekhi

Position

PHD of Chemistry

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

Vice chancellor for research, Tonekabon Islamic Azad University, Tonekabon, Mazandaran, Iran

City

Tonekabon

Postal code**Phone**

+98 19 2427 1105

Fax**Email**

moaven.rsch.@tonekaboniau.ac.ir

Web page address

Person responsible for updating data

Contact**Name of organization / entity**

Obstetrics Department, Tonekabon Islamic Azad University

Full name of responsible person

Maryam Zakerihamidi

Position

Faculty member of Tonekabon Islamic Azad University/PhD student of Reproductive Health

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

Obstetrics Department, Islamic Azad University, Tonekabon, Mazandaran, Iran

City

Tonekabon

Postal code**Phone**

00

Fax**Email**

maryamzakerihamidi@yahoo.co.nz

Web page address

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

