

ClinicalTrials.gov Protocol Registration and Results System (PRS) Receipt
Release Date: 04/05/2016

ClinicalTrials.gov ID: NCT00545051

Study Identification

Unique Protocol ID: ML20088

Brief Title: A Study of Once Monthly Bonviva (Ibandronate) in Prevention of Glucocorticoid-Induced Osteoporosis.

Official Title: A Randomized, Double-blind Study to Evaluate the Effect of Once Monthly Bonviva on Lumbar Bone Mineral Density in the Prevention of Glucocorticoid-induced Osteoporosis in Post-menopausal Women

Secondary IDs:

Study Status

Record Verification: April 2016

Overall Status: Completed

Study Start: May 2006

Primary Completion: May 2009 [Actual]

Study Completion: May 2009 [Actual]

Sponsor/Collaborators

Sponsor: Hoffmann-La Roche

Responsible Party: Sponsor

Collaborators: GlaxoSmithKline

Oversight

FDA Regulated?: No

IND/IDE Protocol?: No

Review Board: Approval Status: Approved
Approval Number: 176/2006
Board Name: HUS Sisatautien eettinen toimikunta
Board Affiliation: unknown
Phone: +358 9 47171484
Email: eetiset.toimikunnat@hus.fi

Data Monitoring?:

Plan to Share Data?:

Oversight Authorities: Finland: Ministry of Social Affairs and Health/ETENE

Study Description

Brief Summary: This 2 arm study will investigate the efficacy and safety of Bonviva (150mg po monthly) in the prevention of glucocorticoid-induced osteoporosis in post-menopausal women. Patients will be randomized to receive either Bonviva 150mg po or placebo monthly, with vitamin D and calcium supplementation. The anticipated time on study treatment is 1-2 years, and the target sample size is 100-500 individuals.

Detailed Description:

Conditions

Conditions: Postmenopausal Osteoporosis

Keywords:

Study Design

Study Type: Interventional

Primary Purpose: Treatment

Study Phase: Phase 4

Intervention Model: Parallel Assignment

Number of Arms: 2

Masking: Double Blind (Subject, Investigator)

Allocation: Randomized

Endpoint Classification: Safety/Efficacy Study

Enrollment: 140 [Actual]

Arms and Interventions

| Arms | Assigned Interventions |
|--|--|
| Experimental: Ibandronate Participants received monthly oral ibandronate (150 milligrams [mg]) for 12 months. | Drug: ibandronate 150mg po monthly for 12 months Other Names: <ul style="list-style-type: none">• Bonviva/Boniva |
| Placebo Comparator: Placebo Participants received monthly oral placebo for 12 months. | Drug: Placebo po monthly for 12 months |

Outcome Measures

[See Results Section.]

Eligibility

Minimum Age: 50 Years

Maximum Age: 85 Years

Gender: Female

Accepts Healthy Volunteers?: No

Criteria: Inclusion Criteria:

- post-menopausal women, 50-85 years of age;
- any inflammatory rheumatoid disease including polymyalgia rheumatica;
- receiving treatment with 5-15 mg/day of prednisolone.

Exclusion Criteria:

- previous treatment with an iv bisphosphonate at any time;
- previous treatment with an oral bisphosphonate within the last 6 months, >1 month of treatment within last year, or >3 months of treatment within last 2 years;
- treatment with parathyroid hormone in last 2 years;
- inability to stand or sit in an upright position for at least 60 minutes;
- inability to swallow a tablet whole;
- history of major gastrointestinal disease.

Contacts/Locations

Study Officials: Clinical Trials
Study Director

Hoffmann-La Roche

Locations: Finland

Lahti, Finland, 15110

Helsinki, Finland, 00290

Helsinki, Finland, 00100

Tampere, Finland, 33100

Turku, Finland, 20100

Oulu, Finland, 90029

Hyvinkää, Finland, 05800

Vantaa, Finland, 01300

Hämeenlinna, Finland, 13530

Kuopio, Finland, 70211

Tampere, Finland, 33101

Jyväskylae, Finland, 10100

Jyväskylä, Finland, 40100

Oulu, Finland, 90100

Helsinki, Finland, 00350

References

Citations:

Links:

Study Data/Documents:

Study Results

Participant Flow

Reporting Groups

| | Description |
|-------------|---|
| Ibandronate | Participants received 150 milligram (mg) ibandronate tablet orally once a month for 12 months. Participants also received 1000 mg calcium and 800 International Units (IU) Vitamin D per day. |
| Placebo | Participants received oral placebo tablet once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |

Overall Study

| | Ibandronate | Placebo |
|----------------------------------|-------------|---------|
| Started | 68 | 72 |
| Completed | 59 | 65 |
| Not Completed | 9 | 7 |
| Adverse Event | 7 | 3 |
| Death | 1 | 0 |
| Violation of inclusion/exclusion | 0 | 2 |
| Protocol Violation | 1 | 0 |
| Withdrawal by Subject | 0 | 1 |
| Administrative reasons | 0 | 1 |

Baseline Characteristics

Analysis Population Description

The intent-to-treat (ITT) population included all participants randomized and who had at least one follow up efficacy data time point available.

Reporting Groups

| | Description |
|-------------|---|
| Ibandronate | Participants received 150 mg ibandronate tablet orally once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |
| Placebo | Participants received oral placebo tablet once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |

Baseline Measures

| | Ibandronate | Placebo | Total |
|--|-------------|-------------|-----------------|
| Number of Participants | 68 | 72 | 140 |
| Age, Continuous [units: years] Mean (Standard Deviation) | 64.4 (7.90) | 63.2 (6.83) | 63.79 (7.39) |
| Gender, Male/Female [units: participants] | | | |
| Female | 68 | 72 | 140 |
| Male | 0 | 0 | 0 |



Outcome Measures

1. Primary Outcome Measure:

| | |
|---------------------|--|
| Measure Title | Percent Change From Baseline in Mean Lumbar Spine Bone Mineral Density (BMD) at Month 12 |
| Measure Description | Lumbar spine BMD was measured at Baseline, and Months 6 and 12 using dual-energy x-ray absorptiometry (DXA). Percent change from Baseline to Month 12 was calculated using analysis of covariance. |
| Time Frame | Baseline and Month 12 |
| Safety Issue? | No |

Analysis Population Description
Intent-to-treat (ITT) population

Reporting Groups

| | Description |
|-------------|---|
| Ibandronate | Participants received 150 mg ibandronate tablet orally once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |
| Placebo | Participants received oral placebo tablet once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |

Measured Values

| | Ibandronate | Placebo |
|--|-------------|------------|
| Number of Participants Analyzed | 66 | 66 |
| Percent Change From Baseline in Mean Lumbar Spine Bone Mineral Density (BMD) at Month 12 | 3.2 (3.7) | -0.1 (3.0) |

| | Ibandronate | Placebo |
|---|-------------|---------|
| [units: percent change in BMD] Mean (Standard Deviation) | | |

Statistical Analysis 1 for Percent Change From Baseline in Mean Lumbar Spine Bone Mineral Density (BMD) at Month 12

| | | |
|--------------------------------|--|--------------------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | [Not specified] |
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |
| Statistical Test of Hypothesis | P-Value | <0.001 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |
| Method of Estimation | Estimation Parameter | Mean Difference (Final Values) |
| | Estimated Value | 3.25 |
| | Confidence Interval | (2-Sided) 95% 2.09 to 4.41 |
| | Estimation Comments | [Not specified] |

2. Secondary Outcome Measure:

| | |
|---------------------|---|
| Measure Title | Percent Change From Baseline in Mean Lumbar Spine BMD at Month 6 |
| Measure Description | Lumbar spine BMD was measured at Baseline and Month 6 using DXA. Percent change from Baseline to Month 6 was calculated using analysis of covariance. |
| Time Frame | Baseline and Month 6 |
| Safety Issue? | No |

Analysis Population Description ITT Population

Reporting Groups

| | Description |
|-------------|---|
| Ibandronate | Participants received 150 mg ibandronate tablet orally once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |
| Placebo | Participants received oral placebo tablet once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |

Measured Values

| | Ibandronate | Placebo |
|---|-------------|-----------|
| Number of Participants Analyzed | 62 | 66 |
| Percent Change From Baseline in Mean Lumbar Spine BMD at Month 6 [units: percent change in BMD] Mean (Standard Deviation) | 2.6 (3.1) | 0.3 (2.8) |

Statistical Analysis 1 for Percent Change From Baseline in Mean Lumbar Spine BMD at Month 6

| | | |
|--------------------------------|--|--------------------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | [Not specified] |
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |
| Statistical Test of Hypothesis | P-Value | <0.001 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |
| Method of Estimation | Estimation Parameter | Mean Difference (Final Values) |
| | Estimated Value | 2.22 |
| | Confidence Interval | (2-Sided) 95% 1.22 to 3.23 |
| | Estimation Comments | [Not specified] |

3. Secondary Outcome Measure:

| | |
|---------------------|--|
| Measure Title | Percent Change From Baseline in Mean Total Hip BMD at Month 6 and Month 12 |
| Measure Description | Left total hip BMD was measured by DXA at Baseline, and Months 6 and 12. If there was prosthesis of left hip, the measurement of right total hip BMD was done by DXA. Percent change from Baseline to Months 6 and 12 was calculated using analysis of (co)variance for repeated measurements. |
| Time Frame | Baseline and Months 6 and 12 |
| Safety Issue? | No |

Analysis Population Description

ITT population; number (n) equals (=) number of participants analyzed at the specified visit.

Reporting Groups

| | Description |
|-------------|---|
| Ibandronate | Participants received 150 mg ibandronate tablet orally once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |
| Placebo | Participants received oral placebo tablet once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |

Measured Values

| | Ibandronate | Placebo |
|---|-------------|------------|
| Number of Participants Analyzed | 66 | 66 |
| Percent Change From Baseline in Mean Total Hip BMD at Month 6 and Month 12 [units: percent change in BMD] Mean (Standard Deviation) | | |
| Month 6 (n=62,66) | 0.7 (1.9) | 0.0 (2.1) |
| Month 12 (n=66,65) | 1.2 (2.2) | -0.7 (2.5) |

Statistical Analysis 1 for Percent Change From Baseline in Mean Total Hip BMD at Month 6 and Month 12

| | | |
|-------------------------------|--|----------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | Month 6 |
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |

| | | |
|--------------------------------|----------------------|--------------------------------|
| Statistical Test of Hypothesis | P-Value | 0.122 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |
| Method of Estimation | Estimation Parameter | Mean Difference (Final Values) |
| | Estimated Value | 0.55 |
| | Confidence Interval | (2-Sided) 95% -0.15 to 1.25 |
| | Estimation Comments | [Not specified] |

Statistical Analysis 2 for Percent Change From Baseline in Mean Total Hip BMD at Month 6 and Month 12

| | | |
|--------------------------------|--|--------------------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | Month 12 |
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |
| Statistical Test of Hypothesis | P-Value | <0.001 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |
| Method of Estimation | Estimation Parameter | Mean Difference (Final Values) |
| | Estimated Value | 1.81 |
| | Confidence Interval | (2-Sided) 95% 0.96 to 2.66 |
| | Estimation Comments | [Not specified] |

4. Secondary Outcome Measure:

| | |
|---------------|--|
| Measure Title | Percent Change From Baseline in Bone Turnover Markers at Month 1, Month 6 and Month 12 |
|---------------|--|

| | |
|---------------------|---|
| Measure Description | Serum C-terminal Telopeptide of Type 1 Collagen (sCTX), Serum Procollagen Type 1 N-terminal Propeptide (P1NP) and Serum Bone Tartrate-resistant Acid Phosphatase Isoform 5b (TRACP) are measures of bone resorption and are measured as nanograms per milliliter (ng/mL). Percent change from Baseline to Months 1, 6 and 12 was calculated using analysis of covariance for repeated measurements. |
| Time Frame | Baseline and Months 1, 6 and 12 |
| Safety Issue? | No |

Analysis Population Description

ITT population; n=number of participants analyzed at the specified visit for the given parameter.

Reporting Groups

| | Description |
|-------------|---|
| Ibandronate | Participants received 150 mg ibandronate tablet orally once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |
| Placebo | Participants received oral placebo tablet once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |

Measured Values

| | Ibandronate | Placebo |
|---|--------------|-------------|
| Number of Participants Analyzed | 68 | 68 |
| Percent Change From Baseline in Bone Turnover Markers at Month 1, Month 6 and Month 12 [units: percent change in bone turnover markers] Mean (Standard Deviation) | | |
| sCTX Month 1 (n=68,68) | -44.7 (36.5) | -3.8 (33.3) |
| sCTX Month 6 (n=62,66) | -53.3 (24.3) | -3.5 (48.0) |
| sCTX Month 12 (n=65,65) | -42.0 (27.9) | 11.6 (82.4) |
| P1NP Month 1 (n=68,68) | -23.8 (17.2) | -2.3 (22.5) |
| P1NP Month 6 (n=60,66) | -62.5 (16.3) | -3.7 (44.5) |
| P1NP Month 12 (n=64,67) | -48.8 (37.2) | 12.5 (54.6) |
| TRACP Month 1 (n=68,68) | -31.3 (12.0) | -7.3 (11.9) |
| TRACP Month 6 (n=62,66) | -32.9 (14.8) | -7.1 (17.0) |
| TRACP Month 12 (n=65,67) | -27.4 (16.5) | -6.3 (18.0) |

Statistical Analysis 1 for Percent Change From Baseline in Bone Turnover Markers at Month 1, Month 6 and Month 12

| | | |
|--------------------------------|--|----------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | sCTX at Month 1 |
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |
| Statistical Test of Hypothesis | P-Value | <0.001 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |

Statistical Analysis 2 for Percent Change From Baseline in Bone Turnover Markers at Month 1, Month 6 and Month 12

| | | |
|--------------------------------|--|----------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | sCTX at Month 6 |
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |
| Statistical Test of Hypothesis | P-Value | <0.001 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |

Statistical Analysis 3 for Percent Change From Baseline in Bone Turnover Markers at Month 1, Month 6 and Month 12

| | | |
|-------------------------------|--|----------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | sCTX at Month 12 |
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |

| | | |
|--------------------------------|----------|-----------------|
| Statistical Test of Hypothesis | P-Value | <0.001 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |

Statistical Analysis 4 for Percent Change From Baseline in Bone Turnover Markers at Month 1, Month 6 and Month 12

| | | |
|-------------------------------|--|----------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | P1NP at Month 1 |
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |

| | | |
|--------------------------------|----------|-----------------|
| Statistical Test of Hypothesis | P-Value | <0.001 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |

Statistical Analysis 5 for Percent Change From Baseline in Bone Turnover Markers at Month 1, Month 6 and Month 12

| | | |
|-------------------------------|--|----------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | P1NP at Month 6 |
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |

| | | |
|--------------------------------|----------|-----------------|
| Statistical Test of Hypothesis | P-Value | <0.001 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |

Statistical Analysis 6 for Percent Change From Baseline in Bone Turnover Markers at Month 1, Month 6 and Month 12

| | | |
|-------------------------------|-------------------|----------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | P1NP at Month 12 |

| | | |
|--------------------------------|--|-----------------|
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |
| Statistical Test of Hypothesis | P-Value | <0.001 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |

Statistical Analysis 7 for Percent Change From Baseline in Bone Turnover Markers at Month 1, Month 6 and Month 12

| | | |
|--------------------------------|--|----------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | TRACP at Month 1 |
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |
| Statistical Test of Hypothesis | P-Value | <0.001 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |

Statistical Analysis 8 for Percent Change From Baseline in Bone Turnover Markers at Month 1, Month 6 and Month 12

| | | |
|--------------------------------|--|----------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | TRACP at Month 6 |
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |
| Statistical Test of Hypothesis | P-Value | <0.001 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |

Statistical Analysis 9 for Percent Change From Baseline in Bone Turnover Markers at Month 1, Month 6 and Month 12

| | | |
|--------------------------------|--|----------------------|
| Statistical Analysis Overview | Comparison Groups | Ibandronate, Placebo |
| | Comments | TRACP at Month 12 |
| | Non-Inferiority or Equivalence Analysis? | No |
| | Comments | [Not specified] |
| Statistical Test of Hypothesis | P-Value | <0.001 |
| | Comments | [Not specified] |
| | Method | ANCOVA |
| | Comments | [Not specified] |

5. Secondary Outcome Measure:

| | |
|---------------------|--|
| Measure Title | Percentage of Participants Withdrawn Due to Worsening in BMD at 6 Months and/or Worsening in BMD at Least 7 Percent (%) at Any Site at 6 Months |
| Measure Description | Worsening in BMD was defined as BMD T-score at any site less than or equal to (\leq) - 2.5 standard deviations and/or worsening in BMD of at least 7% at any site. |
| Time Frame | Month 6 |
| Safety Issue? | No |

Analysis Population Description
ITT population

Reporting Groups

| | Description |
|-------------|---|
| Ibandronate | Participants received 150 mg ibandronate tablet orally once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |
| Placebo | Participants received oral placebo tablet once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |

Measured Values

| | Ibandronate | Placebo |
|---------------------------------|-------------|---------|
| Number of Participants Analyzed | 62 | 66 |

| | Ibandronate | Placebo |
|--|-------------|---------|
| Percentage of Participants Withdrawn Due to Worsening in BMD at 6 Months and/or Worsening in BMD at Least 7 Percent (%) at Any Site at 6 Months [units: percentage of participants] | 0.0 | 0.0 |

Reported Adverse Events

| | |
|------------------------|--|
| Time Frame | Adverse events were collected from the date of randomization until 15 days after the end of study at 12 months. |
| Additional Description | The safety population included all participants who had at least one dose of the trial medication, whether withdrawn prematurely or not, and at least one follow-up data point. Two participants received both treatments and were allocated to the ibandronate group for all assessments of safety. |

Reporting Groups

| | Description |
|-------------|---|
| Ibandronate | Participants received 150 mg ibandronate tablet orally once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |
| Placebo | Participants received oral placebo tablet once a month for 12 months. Participants also received 1000 mg calcium and 800 IU Vitamin D per day. |

Serious Adverse Events

| | Ibandronate | Placebo |
|---|----------------------|----------------------|
| | Affected/At Risk (%) | Affected/At Risk (%) |
| Total | 10/70 (14.29%) | 6/70 (8.57%) |
| Blood and lymphatic system disorders | | |
| Agranulocytosis ^{A *} | 1/70 (1.43%) | 0/70 (0%) |
| Anaemia due to gastrointestinal bleeding ^{A *} | 1/70 (1.43%) | 0/70 (0%) |
| Deep vein thrombosis ^{A *} | 2/70 (2.86%) | 0/70 (0%) |
| General disorders | | |
| Concussion ^{A *} | 1/70 (1.43%) | 0/70 (0%) |

| | Ibandronate | Placebo |
|---|----------------------|----------------------|
| | Affected/At Risk (%) | Affected/At Risk (%) |
| Infections and infestations | | |
| Acute pancreatitis ^{A *} | 1/70 (1.43%) | 0/70 (0%) |
| Acute pyelonephritis ^{A *} | 1/70 (1.43%) | 0/70 (0%) |
| Erysipelas ^{A *} | 0/70 (0%) | 1/70 (1.43%) |
| Pneumonia ^{A *} | 0/70 (0%) | 1/70 (1.43%) |
| Sepsis ^{A *} | 1/70 (1.43%) | 0/70 (0%) |
| Injury, poisoning and procedural complications | | |
| Hip fracture ^{A *} | 0/70 (0%) | 1/70 (1.43%) |
| Radius fracture ^{A *} | 0/70 (0%) | 1/70 (1.43%) |
| Investigations | | |
| Poisoning ^{A *} | 1/70 (1.43%) | 0/70 (0%) |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | |
| Follicle centre lymphoma ^{A *} | 1/70 (1.43%) | 0/70 (0%) |
| Malignant tongue neoplasm ^{A *} | 1/70 (1.43%) | 0/70 (0%) |
| Nervous system disorders | | |
| Headache ^{A *} | 0/70 (0%) | 2/70 (2.86%) |
| Transient ischaemic attack ^{A *} | 1/70 (1.43%) | 0/70 (0%) |
| Respiratory, thoracic and mediastinal disorders | | |
| Pulmonary embolism ^{A *} | 1/70 (1.43%) | 0/70 (0%) |

* Indicates events were collected by non-systematic methods.

A Term from vocabulary, MedDRA

Other Adverse Events

Frequency Threshold Above Which Other Adverse Events are Reported: 5%

| | Ibandronate | Placebo |
|---|----------------------|----------------------|
| | Affected/At Risk (%) | Affected/At Risk (%) |
| Total | 19/70 (27.14%) | 26/70 (37.14%) |
| Gastrointestinal disorders | | |
| Diarrhoea ^{A *} | 3/70 (4.29%) | 5/70 (7.14%) |
| Dyspepsia ^{A *} | 0/70 (0%) | 5/70 (7.14%) |
| Nausea ^{A *} | 2/70 (2.86%) | 4/70 (5.71%) |
| Infections and infestations | | |
| Influenza ^{A *} | 4/70 (5.71%) | 2/70 (2.86%) |
| Musculoskeletal and connective tissue disorders | | |
| Arthralgia ^{A *} | 8/70 (11.43%) | 4/70 (5.71%) |
| Back pain ^{A *} | 4/70 (5.71%) | 4/70 (5.71%) |
| Rheumatoid arthritis ^{A *} | 4/70 (5.71%) | 3/70 (4.29%) |
| Nervous system disorders | | |
| Headache ^{A *} | 2/70 (2.86%) | 7/70 (10%) |

* Indicates events were collected by non-systematic methods.

A Term from vocabulary, MedDRA

Limitations and Caveats

[Not specified]

More Information

Certain Agreements:

Principal Investigators are NOT employed by the organization sponsoring the study.

There IS an agreement between the Principal Investigator and the Sponsor (or its agents) that restricts the PI's rights to discuss or publish trial results after the trial is completed.

The study being conducted under this agreement is part of the overall study. Investigator is free to publish in reputable journals or to present at professional conferences the results of the study, but after the first publication or presentation that involves the overall study. Sponsor may request that confidential information be deleted and/or the publication be postponed in order to protect the Sponsor's intellectual property rights.

Results Point of Contact:

Name/Official Title: Medical Communications

Organization: Hoffmannb-LaRoche

Phone: 800-821-8590

Email: genentech@druginfo.com

U.S. National Library of Medicine | U.S. National Institutes of Health | U.S. Department of Health & Human Services