From: Managed Healthcare Executive, edited by Jolynn Tumolo
Sent: 2/1/2018
To:
Please 2 Practice Trial
Subject: Prolia
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Managed Healthcare EXECUTIVE

The following promotional message is sent to you by Amgen.

For the treatment of postmenopausal women with osteoporosis at high risk for fracture.

Prolia® (denosumab) significantly reduced the risk of new vertebral, hip, and nonvertebral fractures at 3 years.[1,2]

INDICATION

Prolia® is indicated for the treatment of postmenopausal women with osteoporosis at high risk for fracture, defined as:

- History of osteoporotic fracture, or
- Multiple risk factors for fracture, or
- Patient intolerance to other available osteoporosis therapy.

In postmenopausal women with osteoporosis, Prolia® significantly increases bone mass and reduces the risk of vertebral, hip, and nonvertebral fractures.

CONTRAINDICATIONS

Prolia® is contraindicated in patients with hypocalcemia, pregnancy, and hypersensitivity to any component of the product.

Please scroll below for additional important Safety Information.

Dear Dream Customer Name,

PIVOTAL PHASE 3 STUDY DESIGN:

PIVOTAL PHASE 3 STUDY DESIGN DETAILS:[1]

- Randomized, double-blind, placebo-controlled clinical trial that studied postmenopausal women with T-scores of −2.5 to −4.0 at the lumbar spine or total hip and 1 to 2 prevalent vertebral fractures
- Subjects received either Prolia® 60 mg every 6 months (n=3906) or placebo (n=3902) subcutaneously
- All subjects received daily calcium (≥1000 mg) and vitamin D (≥400 IU) supplementation

PRIMARY ENDPOINT:[1]

- Evaluate incidence of new vertebral fracture at 3 years

SECONDARY ENDPOINTS:[1]

- Evaluate time to nonvertebral fracture and time to the first hip fracture.

PIVOTAL STUDY DESIGN DETAILS:[1]

FRACTURE RELIEVE RISK REDUCTION VS PLACEBO[1]

Prolia® is proven to significantly reduce fracture risk at vertebral, hip, and nonvertebral sites in a large, pivotal, placebo-controlled osteoporosis clinical trial.[1]

PROLIA® SIGNIFICANTLY INCREASED BONE MINERAL DENSITY (BMD) AT SPINE AT 3 YEARS[1]

Adverse reactions occurring in ≥ 2% of patients receiving Prolia® and more frequently than in placebo-treated patients:[1]

Event	Prolia® (n = 3906) %	Placebo (n = 3902) %
Back pain	1347 (34.7)	1345 (34.5)
Musculoskeletal pain	1007 (25.8)	1000 (25.6)
Musculoskeletal pain	307 (7.9)	291 (7.5)
Hypercholesterolemia	258 (6.6)	225 (5.8)
Cystitis	228 (5.8)	205 (5.3)
Pain in extremity	221 (5.7)	208 (5.3)
Bronchitis	217 (5.6)	208 (5.3)
Pneumonia	192 (5.0)	155 (4.0)
Sciatica	189 (4.8)	167 (4.3)
Abdominal pain, upper	129 (3.3)	111 (2.8)
Arthritis	128 (3.3)	109 (2.8)
Insomnia	128 (3.3)	102 (2.6)
Myalgia	114 (2.9)	94 (2.4)
Pain in jaw	113 (2.9)	84 (2.2)
Rash	94 (2.5)	76 (2.0)
Dyspepsia	93 (2.4)	77 (2.0)
Asthenia	90 (2.3)	72 (1.8)
Gastritis	90 (2.3)	72 (1.8)
Flatulence	84 (2.2)	53 (1.4)
Constipation	83 (2.1)	69 (1.8)
Gastroesophageal reflux disease	80 (2.1)	66 (1.7)
Joint flexibility	78 (2.0)	71 (1.8)
Arthralgia	77 (2.0)	61 (1.6)

The most common adverse reactions in PMO were more common than those seen (diarrhea, back pain, pain in extremity, bronchitis, and cystitis.[1]

For the safety and safety of Prolia® in females who are breastfeeding, please see the full prescribing information and a recent peer-reviewed clinical study.[3]

REVIEW STUDY ONLINE

Help feed your members to stronger bones with access to Prolia®.[1,2]

Contact your Amgen representative at prolibeyondthescore@amgen.com for more information.

IMPORTANT SAFETY INFORMATION

Contraindications: Prolia® is contraindicated in patients with hypocalcemia. Pre-existing hypocalcemia must be corrected before Prolia® administration. Prolia® is contraindicated in pregnant and may cause fetal harm. In females of reproductive potential, pregnancy must be excluded before initiation of treatment with Prolia®. Prolia® is contraindicated in patients who have had hypersensitivity to any component of the product. Reactions have included anaphylaxis, angioedema, and rash.

Hypocalcemia: Hypocalcemia can occur with Prolia®. Severe and symptomatic hypocalcemia has been reported in patients predisposed to hypocalcemia and in patients receiving Prolia® for treatment of osteoporosis. Correct pre-existing hypocalcemia with adequate calcium and vitamin D and monitor calcium and clinical signs and symptoms of hypocalcemia during Prolia® treatment.

Hypersensitivity: Clinically significant hypersensitivity reactions, including anaphylaxis, have been observed in patients who received Prolia®. These reactions have included hypotension, dyspnea, throat tightness, urticaria, rash, and in some cases, loss of consciousness. If any of these or other clinically significant allergic reactions occur, discontinue administration of Prolia® and institute appropriate therapy.

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Multiple Vertebral Fractures (MVF): Patients with MVF who discontinue or delay subsequent Prolia® administration may be at increased risk for fracture.

Atypical Femoral Fractures: Atypical low-energy or low-trauma fractures of the femoral shaft have been reported in patients receiving Prolia®. Causality has not been established. Any patient with thigh or groin pain should be evaluated for incomplete femur fracture. Interruption of Prolia® therapy should be considered pending evaluation of patient.

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Osteonecrosis of the Jaw (ONJ): Cases of ONJ have been reported in patients treated with denosumab with both antiresorptive and/or antiangiogenic therapies, and in patients with cancer receiving Prolia®. Prior to treatment with Prolia®, a dental exam with preventive dentistry should be performed by the prescriber and dentist. Patients should maintain good oral hygiene and receive routine dental examinations. Avoid invasive dental procedures in patients with risk factors for ONJ such as cancer, concomitant medications, poor oral hygiene, periodontal disease, and smoking. For chemotherapy, corticosteroids, angiogenesis inhibitors, and oral hygiene, consider the patient's risk for ONJ. Patients who develop ONJ while on Prolia® therapy should receive care by an oral surgeon.

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Dermatological Adverse Reactions: Dermatological adverse reactions, such as dermatitis, eczema and cellulitis occurred at a significantly higher rate with Prolia® compared to placebo. Most cases of cellulitis were serious and required hospitalization. Consider discontinuing Prolia® if severe reactions occur.

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Adverse Reactions: The most common adverse reactions (≥ 5% and more frequently than placebo) are back pain, pain in extremity, and musculoskeletal pain.

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Use in Specific Populations: Prolia® is not indicated for use in premenopausal women. The overall incidence of new infections was similar in the Prolia® group and the placebo group. A causal relationship to Prolia® has not been established. Denosumab is not removed by hemodialysis. In animal toxicity studies, fetal skeletal changes, postnatal dental findings, and dystocia were observed.

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Please see Prolia® full Prescribing Information, including Medication Guide.

References: 1. Prolia® (denosumab) prescribing information. Thousand Oaks, CA: Amgen Inc; 2. Reid IR, et al. Denosumab treatment in postmenopausal women with osteoporosis does not interfere with fracture-healing: results from the FREEDOM and the FREEDOM extension trial. Osteoporos Int. 2014;25(1):333-340. doi: 10.1007/s00198-013-2484-6. 3. Miller PD, et al. Effect of denosumab on bone density and bone turnover markers in postmenopausal women with low bone mass after long-term continuous, discontinuous, and restarting therapy: a randomized blinded phase 2 clinical trial. J Bone Miner Res. 2016;31(12):2259-2265. doi: 10.1002/jbmr.2901.

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