CMS Hospital Database to Drive Accountability

Asthenia
Allergic Reaction

Vascular Disorders Hypertension

Influenza
Nasopharyngitis
Bronchitis
Urinary Tract Infection
Upper Respiratory Tract Infection
Nervous System Disorders
Headache
Estitione

Psychiatric Disorders Insomnia

Influenza-like Illness^b 0.8

Skin and Subcutaneous Tissue Disorders
Rash^c 1.3

*Combination of abdominal pain and abdominal pain upper

*Combination of influenza-like illness and acute phase reaction

erythematous, dermatitis, dermatitis allergic, dermatitis medicamentosa, erythema and exanthem
Patients with a previous history of gastrointestinal disease, including patients with peptic ulcer without recent bleeding or hospitalization and patients with dyspepsia or reflux controlled by medication, were included in the once-morthily treatment study. For these patients, there was no difference in upper gastrointestinal adverse events with the 150 mg once-monthly regimen companed to the 2.5 mg once-daily regimen.

Coular Adverse Events: Reports in the medical literature indicate that bisphosphonates may be associated with ocular inflammation such as uveitis and scleritis. In some cases, these events did not resolve until the bisphosphonate was discontinued. There were no reports of ocular inflammation is used to the solvent of the continued inflammation, one was a case of uveitis and the other scientis.

Laboratory Test Findings: the 3-year treatment study with BONIVA 2.5 mg daily, there were no clinically significant changes from baseline values or shifts in any laboratory variable for each of the treatment groups. As expected with bisphosphonate treatment, a decrease in total alkaline phosphatase levels was seen in the active treatment groups compared to placebo. There was no difference compared with placebo for laboratory administration in the 1-year study.

OVERDOSAGE: No specific information is available on the treatment of overdosage

BY JOYCE FRIEDEN

Associate Editor, Practice Trends

WASHINGTON — The new database on hospital quality from the Centers for Medicare and Medicaid Services may herald a new era in patient assertiveness in terms of health care preferences, several experts said at a briefing sponsored by the Alliance for Health Reform.

"We're beginning a change in how doctor-patient relations are established and [considering] how paternalistic they have been, I think we'll see major changes in the future where they become less that way," said Elliot Sussman, M.D., president and CEO of Lehigh Valley Hospital and Health Network in Allentown, Pa. When people come into a community, they'll look at measures like this and say, 'Which are the kinds of places I want to be cared for at, and who are doctors on staff at those places?' "

In fact, such changes as these have al-

ready begun to occur, Dr. Sussman pointed out.

"We've seen experiences where people change their doctor relationship because 'I really like Dr. Jones, but he's not on the staff of what seems to be the best hospital. Either he does that or I'm going to find myself a new physician," Dr. Suss-

CMS launched its "Hospital Compare" database earlier this year at www.hospital compare.hhs.gov. The database looks at

5.8 2.6 2.5 1.9

4.2

Urinary Tract Infection 4.2 5.5

Once-Monthly Dosing: In a 1-year, double-blind, multicenter study comparing BONIVA 2.5 mg once daily and BONIVA 150 mg once monthly in women with postmenopausal osteoporosis, the overall safety and tolerability profiles of the two oral dosing regimens were similar. The incidence of serious adverse events was 4.8% in the BONIVA 2.5 mg daily group and 7.1% in the BONIVA 150 mg once-monthly group. The percentage of patients who withdrew from treatment due to adverse events was approximately 8.9% in the BONIVA 2.5 mg daily group and 7.8% in the BONIVA 150 mg once-monthly group. Table 2. lists the adverse events reported in × 2% of patients without attribution of causality.

Table 2: Adverse Events with an Incidence of at Least 2% in Patients Treated with BONIVA 150 mg once Monthly or 2.5 mg Daily

Body System/Adverse Event

BONIVA 150 mg daily 150 mg daily 150 mg monthly

2.5 mg daily

7.3

6.5 3.7 3.0 2.2

150 mg r

(n=396)

6.3

4.0 3.5 2.5 2.3

2.3

2.0

hospital performance on 17 different measures related to the treatment of three conditions: heart attacks, heart failure, and pneumonia.

Users are able to search the hospital comparison database by hospital name or geographic location.

Gerald M. Shea, assistant to the president for government affairs at the AFL-CIO, said that the feeling of partnership that comes from empowering consumers should spill over onto the physician side of the equation.

"I could make the argument that there are very serious limits to how much consumers can drive change in the health decision making process," he said.

"An equally fruitful strategy would be trying to change the preparation and education of physicians, so they come to this suggesting that a partnership would be a good idea," Mr. Shea added.

In fact, physicians also have much to gain from being able to access hospital

In the end. databases like this 'are more about using accountability to improve care than they are about consumers making more decisions.'

quality said Margaret O'Kane, president of the National Committee Quality Assurance.

"Physicians have been working in an information vacuum well—both doctors volved in per-

forming particular procedures in the hospital, and the primary care physicians who are making referrals to specialists," Ms. O'Kane said.

We can't underestimate the impact that transparency has on changing everything. I feel very optimistic this will lead to a lot of positive changes," she said.

One panelist warned that empowerment does have its limits. Charles N. "Chip" Kahn, president of the Federation of American Hospitals, said that as databases such as Hospital Compare begin adding more measures, "it will be more and more difficult for the average consumer ... to figure things out other than, 'This is either an okay place or a dreadful place' and you obviously want to stay away from dreadful places."

In the end, Mr. Kahn said that, databases such as this one "are more about using accountability to improve care than they are about consumers making more

Ms. O'Kane said she was confident that "intermediaries" would rise up to help consumers interpret the database information. And she also had a prediction.

What we've seen so far is not hospitals that are excellent at everything or terrible at everything, but hospitals that are excellent at one thing and maybe not so great at others," she said.

"As process engineering becomes more core to the hospitals, you'll see hospitals that will break out and be excellent across the board," she added.

BONIVA®
(ibandronate sodium) TABLETS
BRIEF SUMMARY
CONSULT PACKAGE INSERT FOR FULL PRESCRIBING INFORMATION

- ITHAINDICATIONS

 Known hypersensitivity to BONIVA or to any of its excipients
 Uncorrected hypocalcemia (see PRECAUTIONS: General)
 Inability to stand or sit upright for at least 60 minutes
 (see DOSAGE AND ADMINISTRATION)

WARNINGS
BONIVA, like other bisphosphonates administered orally may cause upper
gastrointestinal disorders such as dysphagia, esophagitis, and esophageal or
gastric ulcer (see PRECAUTIONS).

PRECAUTIONS: General

Mineral Metabolism: Hypocalcemia and other disturbances of bone and mineral

mineral Metabolism Hypocalcemia and other disturbances of bone and mineral

metabolism should be effectively treated before starting BONIVA therapy. Adequate

intake of calcium and vitamin D is important in all patients.

Upper Gastroinestania Effects: Bisphosphonates administered orally have been

associated with dysphagia, esophagitis, and esophageal or gastric ulcers. This

association has been reported for bisphosphonates in postmarketing experience but

mas not been found in most preapproval clinical trials, including those conducted

with BONIVA. Therefore, patients should be advised to pay particular attention to and

be able to comply with the dosing instructions to minimize the risk of these effects

(see DOSAGE AND ADMINISTRATION).

severe renal impairment (creatinine clearance <30 mL/min).

Jaw Osteonecrosis: Osteonecrosis, primarily in the jaw, has been reported in patients treated with bisphosphonates. Most cases have been in cancer patients undergoing dental procedures, but some have occurred in patients with postmenopausal osteoporosis or other diagnoses. Known risk factors for osteonecrosis include a diagnosis of cancer, concomitant therapies (ep. chemotherapy, radiotherapy, corticosteroids), and co-morbid disorders (ep, anemia, coagulopathy, infection, pre-existing dental disease). Most reported cases have been in patients treated with bisphosphonates intravenously but some have been in patients treated varily. For patients who develop osteonecrosis of the jaw (ONJ) while on bisphosphonate therapy, dental surgery may exacerbate the condition. For patients requiring dental procedures, there are no data available to suggest whether discontinuation of bisphosphonate treatment reduces the risk of ONJ. Clinical judgment of the treating physician should guide the management plan of each patient based on individual benefitrisk assessment.

**Musculoskeletal Pain: In postmarketing experience, severe and occasionally

pugginent of the treating physician should guide the management pain of each patient based on individual benefit/fisk assessment.

Musculoskeletal Pain: In postmarketing experience, severe and occasionally incapacitating bone, joint, and/or muscle pain has been reported in patients taking bisphosphonates that are approved for the prevention and treatment of osteoporosis (see ADVERSE REACTIONS). However, such reports have been infrequent. This category of drugs include BONIVA (ibandronate sodium) Tablets. Most of the patients were postmenopausal women. The time to onset of symptoms varied from one day to several months after starting the drug. Most patients had relief of symptoms each reclailenged with the earne drug or another bisphosphonate. In placebo-controlled studies with BONIVA, the percentages of patients with these symptoms were similar in the BONIVA and placebo groups.

Information for Patients: Patients should be instructed to read the Patient Information Leaflet carefully before taking BONIVA, to re-read it each time the prescription is renewed and to pay particular attention to the dosing instructions in order to maximize absorption and clinical benefit.

order to maximize absorption and clinical benefit.

BONIVA should be taken at least 60 minutes before the first food or drink (other than water) of the day and before taking any oral medications containing multivalent cations (including antacids, supplements or vitamins).

To facilitate delivery to the stomach, and thus reduce the potential for esophageal irritation, BONIVA tablets should be swallowed whole with a full glass of plain water (6 to 8 cz) while the patient is standing or sitting in an upright position. Patients should not lie down for 60 minutes after taking BONIVA.

Plain water is the noth drink that should be taken with BONIVA. Please note that Plain water is the only drink that should be taken with BONIVA. Please note that some mineral waters may have a higher concentration of calcium and therefore should not be used.

snould not be used.

-Patients should not chew or suck the tablet because of a potential for oropharyngeal ulceration.

-The BONIVA 150-mg tablet should be taken on the same date each month (ie, the patients BONIVA day).

In the Sound's 190-118 gabet should be taken for the Saine date each moint lie, the patient's BONINA day).

If the once-monthly dose is missed, and the patient's next scheduled BONINA day is more than 7 days away, the patient should be instructed to take one BONINA 150-mg tablet in the morning following the date that it is remembered (see DOSAGE AND ADMINISTRATION). The patient should then return to taking one BONINA 150-mg tablet every month in the morning of their chosen day, according to their original schedule.

The patient must not take two 150-mg tablets within the same week. If the patient's next scheduled BONINA day is only 1 to 7 days away, the patient must wait until their next scheduled BONINA day to take their tablet. The patient should then return to taking one BONINA 150-mg tablet every month in the morning of their chosen day, according to their original schedule.

Patients should receive supplemental calcium and vitamin, D if dietary intake is

containing multivalent cations (including antacids, supplements or vitamins) (see PRECAUTIONS: Information for Patients).

12 Blockers and Protop Pump Inhibitors (PIPS): Of over 3500 patients enrolled in the BONIVA osteoporosis Treatment and Prevention Studies, 15% used anti-peptic agents (primarily 112 blockers and Pris). Among these patients, the incidence of upper gastrointestinal adverse experiences in the patients treated with BONIVA was similar to that in placebo-treated patients. Similarly, of over 1600 patients enrolled in a study companing once-monthly with daily dosing regimens of bibandronate, 14% of patients used anti-peptic agents. Among these patients, the incidence of upper gastrointestinal adverse experiences in the patients treated with BONIVA 150 mg once monthly was similar to that in patients treated with BONIVA 2.5 mg once daily. Aspirin/Dansteroidal Artifinflammatory Drugs (MSALD): In the large placebo-controlled osteoporosis Treatment Study, aspirin and nonsteroidal antilinflammatory drugs were taken by 62% of the 2946 patients. Among aspirin or NSAID users, the incidence of upper gastrointestinal adverse events in patients treated with Indiandronate 2.5 mg daily (26.9%) was similar to that in placebo-treated patients (30.7%). Similarly, in the 1-year monthly comparison study, aspirin and nonsteroidal antilinflammatory drugs were taken by 39% of the 1602 patients. The incidence of upper gastrointestinal events in patients concomitantity taking aspirin or NSAIDs was similar in patients taking bibandronate 2.5 mg daily (27.9%) and 150 mg once monthly (22.0%). However, since aspirin, NSAIDs, and bisphosphonates are all associated with gastrointestinal irritation, caution should be exercised in the concomitant use of aspirin or NSAIDs with BONIVA.

Turg/Laboratory Test Interactions: Bisphosphonates are known to interfere with the use of bone-imaging agents. Specific studies with ibandronate have not been performed.

times, respectively, human exposure at the recommended daily oral dose of 2.5 mg, and cumulative exposures up to 3.5 and 2 times, respectively, human exposure at the recommended once-monthly oral dose of 150 mg, based on AUC comparison). There were no significant drug-related tumor findings in male or female rats. In a 78-week carcinogenicity study, doses of 5, 20, or 40 mg/kg/day were administered by oral gavage to male and female NMRI mice (exposures up to 475 and 70 times, respectively, human exposure at the recommended daily oral dose of 2.5 mg and cumulative exposures up to 135 and 20 times, respectively, human exposure at the recommended one-monthly oral dose of 15.0 mg, based on AUC comparison). There were no significant drug-related tumor findings in male or female mice. In a 90-week carcinogenicity study, doses of 5, 20, or 80 mg/kg/day were administered in the drinking water to NMRI mice (cumulative monthly exposures in males and females up to 70 and 115 times, respectively, human exposure at the recommended dose of 150 mg, based on AUC comparison). A dose-related increased incidence of adrenal subcapsular adenoma/carcinoma was observed in female mice, which was statistically significant at 80 mg/kg/day (220 to 400 times human exposure at the recommended daily oral dose of 2.5 mg and 115 times human exposure at the recommended daily oral dose of 2.5 mg and 115 times human exposure at the recommended of commental variations. There was no evidence for a mutagenic or clastogenic potential of ibandronate in the following assays: in vitro bacterial mutagenesis assay in Chinese hamster V79 cells, and chromosomal demage.

Salmonella hyphimurium and Escherichia coli (Ames test), mammallan celi mutagenesis assay in Chinese hamster V79 cells, and chromosomal aberation test in human peripheral lymphocytes, each with and without metabolic activation. Ibandronate was not genotoxic in the in vivo mouse micronucleus tests for chromosomal damage.

Impairment of Fertility: In female rats treated from 14 days prior to mating through gestation, decreases in fertility, corpora lutea, and implantation sites were observed at an oral dose of 150 mg ham 13 times human exposure at the recommended once-monthly oral dose of 150 mg, based on AUC comparison).

Pregnancy: Pregnancy Category C: In female rats given oral doses of 1, 4, or 16 mg/kg/day legbinning 14 days before mating and continuing through lactation, maternal deaths were observed at the time of delivery in all dose groups (x3 times human exposure at the recommended once-monthly oral dose of 150 mg osa of 150 mg, based on AUC comparison). Perinatal pulp loss in dams given 15 mg/kg/day (45 times human exposure at the recommended daily oral dose of 2.5 mg or x1 times human exposure at the recommended daily oral dose of 2.5 mg or x1 times human exposure at the recommended daily oral dose of 2.5 mg or x1 times human exposure at the recommended daily oral dose of 2.5 mg and 13 times human exposure at the recommended daily oral dose of 2.5 mg and 13 times human exposure at the recommended daily oral dose of 2.5 mg and 13 times human exposure at the recommended once-monthly oral dose of 150 mg, based on AUC comparison) was likely related to maternal dystocia. In pregnant rats given oral doses of 16, 20, or 60 mg/kg/day during gestation, only at doses causing maternal dystocia. All pregnant rats dosed or AUC comparison) and the prediction of AUC comparison) and the prediction of AUC comparison). Allow incidence of postimplantation loss was observed in rats treated from 14 days before mating throughout lactation or during pestation only at doses causing maternal dystocia and propartitient horali

Nursing Mothers: In lactating rats treated with intravenous doses of 0.08 mg/kg, ibandronate was present in breast milk at concentrations of 8.1 to 0.4 ng/ml. from 2 to 24 hours after dose administration. Concentrations in milk averaged 1.5 times plasma concentrations. It is not known whether BONWA is excreted in human milk, because many drugs are excreted in human milk, caution should be exercised when BONWA is administered to a nursing woman.

established.

Gerlatric Use: Of the patients receiving BONIVA 2.5 mg daily in postmenopausal osteoporosis studies, 52% were over 65 years of age, and 10% were over 75 years of age. Of the patients receiving BONIVA 150 mg once monthly in the postmenopausal osteoporosis 1-year study, 52% were over 65 years of age, and 9% were over 75 years of age. No overall differences in effectiveness or safety were observed between these patients and younger patients but greater sensitivity in some older individuals cannot be ruled out.

ADVERSE REACTIONS

Daily Dosing: Daily treatment with oral BONIVA was studied in over 3900 patients in postmenopausal osteoporosis trials of up to 3 years duration. The overall adverse event profile of BONIVA 2.5 mg once daily in these studies was similar to that of placebo.

reather profile or bolivity 2.5 ing office daily in these studies was similiar to that of placebo.

Treatment and Prevention of Postmenopausal Osteoporosis: Most adverse events were mild or moderate and did not lead to discontinuation. The incidence of serious adverse events was 20% in the placebo group and 23% in the BONIVA 2.5 mg daily group. The percentage of patients who withdrew from treatment due to adverse events was approximately 17% in both the BONIVA 2.5 mg daily group and the placebo group. Overall, and according to body system, there was no difference between BONIVA and placebo, with adverse events of the digestive system being the most common reason for withdrawal.

Table 1 lists adverse events from the Treatment and Prevention Studies reported in ×2% of patients and in more patients treated daily with BONIVA than patients treated with placebo. Adverse events are shown without attribution of causality.

Table 1: Roteverse Events Occurring at a Frequency ×2% and in More Patients

Table 1: Adverse Events Occurring at a Frequency ×2% and in More Patier Treated with BONIVA than in Patients Treated with Placebo Daily in the

.5 mg	GlaxoSmithKline
40)	Five Moore Drive Research Triangle Park, NC 27709 www.gsk.com
	Issued: March 2005 Copyright © 2005 by Roche Laboratories Inc. All rights reserved.

OVERDOSAGE: No specific information is available on the treatment of overdosage with BONIVA. However, based on knowledge of this class of compounds, oral overdosage may result in hypocalcemia, hypophosphatemia, and upper gastrointestinal adverse events, such as upset stomach, dyspepsia, esophagitis, gastrifis, or ulcer. Milk or antacids should be given to bind BONIVA. Due to the risk of esophageal irritation, overifing should not be induced, and the patient should remain fully upright. Dialysis would not be beneficial. Distributed by: Pharmaceuticals

Roche Laboratories Inc. 340 Kingsland Street Nutley, New Jersey 07110-1199

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