CLINICAL

Gonorrhea Screening

Physicians should perform routine screening of all sexually active women at increased risk for gonorrhea, because of the high risk for pelvic inflammatory disease, ectopic pregnancy, and chronic pelvic pain associated with asymptomatic gonorrhea infection, according to the U.S. Preventive Services Task Force.

Those at risk include sexually active women under age 25 years, those with previous gonorrhea or other sexually transmitted infections, those with new or multiple sex partners, those who don't consistently use condoms, sex workers,

CAPSULES

and drug users.

Pregnant women with these risk factors should be screened at the first prenatal visit, and those with ongoing or new risk factors should also be screened during the third trimester because gonorrhea increases the risk of preterm rupture of membranes, chorioamnionitis, preterm labor (Ann. Fam. Med. 2005;3:263-7).

The task force recommended against routine screening in women and men at low risk for gonorrhea, and it found insufficient evidence to recommend for or against routine screening in men at high

Soft Cheese Risks

Soft white cheeses made with raw milk present a health risk, the Food and Drug Administration has warned. Such cheeses can cause listeriosis, brucellosis, salmonellosis, and tuberculosis, and they pose a particular risk to pregnant women, newborns, older adults, and those with weakened immune systems.

Consumption of queso fresco-style cheeses imported from or eaten in Mexico were linked with recent cases of tuberculosis in New York City and found to be contaminated with Mycobacterium bovis, according to the FDA. The cheeses of greatest concern are those originating in Mexico and Central American countries and include queso panela, asadero, blanco, and ranchero. The FDA has warned against consumption of any unripened raw-milk soft cheeses, including those obtained at flea markets or from door-todoor sellers or vendors selling out of their trucks, cheeses made at home by individuals, and those shipped or carried in luggage from the areas of concern.

Vitamin B₆ Intake and Colorectal Ca

High intake of vitamin B6 is associated with a protective effect against colorectal cancer in women, especially those who drink alcohol, reported Susanna C. Larsson of the Karolinska Institutet, Stockholm, and her associates.

In a population-based cohort study of 61,433 women, those who were in the top 20% of vitamin B₆ intake had a 34% lower relative risk of colorectal cancer than did women who were in the bottom 20% of vitamin B₆ intake; this reduction was significant. Among women who drank at least 30 g of alcohol (about two drinks) per week, those with the highest intake of vitamin B₆ had a 72% lower relative risk of colorectal cancer than did women who had the lowest intake (Gastroenterology 2005;128:1830-7).

Intake of vitamin B₆ in the study of 61,433 women from the Swedish Mammography Cohort ranged from less than $1.53\ mg/day$ in the lowest 20% of women to 2.05 mg/day or more in the highest 20% of women. The recommended daily intake of vitamin B₆ for nonpregnant women in the United States is 1.3-1.5 mg. "Findings from our study suggest that women who consume alcohol may benefit from a vitamin B₆ intake above the recommendations," the researchers wrote.

Treating Antipsychotic-Linked Adiposity

Topiramate appears to help alleviate the weight gain associated with olanzapine use in women, reported Marius K. Nickel, M.D., of Inntalklinik in Simbach/Inn, Germany, and associates.

In a 10-week trial of women on olanzapine (Zyprexa) for 3 months or more who had gained at least 5 kg since beginning treatment, 25 women were randomized to topiramate (Topamax) and 18 to placebo. Every 2 weeks the women were interviewed and weighed.

Topiramate patients had a significant mean weight loss of 4.1 kg at the end of the study, compared with placebo users, though treatment was more likely to be effective if the patients initially gained a lot of weight (J. Clin. Psychopharmacol. 2005;25:211-7).

Health-related measures of functioning and well-being were also significantly better in topiramate patients than placebo patients, except for measures of emotional problems interfering with work and other daily activities. Along with weight loss, "one can also expect an increase in the patients' health-related quality of life, improvement in their current emotional state of health, and a reduction of their psychological impairments," Dr. Nickel and associates said.

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

- CONTRAINDICATIONS

 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).

gastrointestinal disorderis suich as dysphagia, esophagitis, and esophageal or gastric ulcer (see PRECAUTIONS):

PRECAUTIONS: General

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 Gastrointestinal 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 has 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 DDSAGE AND ADMINISTRATION).

Severe Renal Impairment: BONIVA is not recommended for use in patients with 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 (eg. chemotherapy, radiotherapy, corticosteroids), and co-morbid disorders (eg. anemia, coagulopathy, infection, pre-existing dental disease). Most reported cases have been in patients treated orally. For patients who develop osteonecrosis of the jaw (DNJ) while on bisphosphonate treatment reduces the risk of ONJ. Clinical judgment of the treating physician should guide the management plan of each patients based on individual benefitirsk assessment.

Musculoskeletal Pair: In postmarketing experience, severe and occasionally vicasaciation to one ioint and/or muscle pain has been reported in patients kaling

patient based on individual benefitirisk 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 osteoprosis (see ADVERSE REACTIONS). However, such reports have been infrequent. This category of drugs include BONIAV (flandronate 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 after stopping. A subset had recurrence of symptoms rechallenged with the same drug or another bisphosphonate. In placebo-contided studies with BONIVA, the percentages of patients with these symptoms were similar in the BONIVA and placebo groups.

studies with Douwly 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:

-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 intriation, 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 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.

should not be used.

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

had yigeal diceration.

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

patient's BONNA day).

If the once-monthly dose is missed, and the patient's next scheduled BONNA day.

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

The actient must not take two 150-mg tablets within the same week. If the

original schedule.

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

chosen day, according to their original schedule.

Patients should receive supplemental calcium and vitamin D if dietary intake is inadequate. Intake of supplemental calcium and vitamin D should be delayed for at least 60 minutes following oral administration of BONIVA in order to maximize absorption of BONIVA.

Physicians should be alert to signs or symptoms signaling a possible esophageal reaction during therapy, and patients should be instructed to discontinue BONIVA and seek medical attention if they develop symptoms of esophageal irritation such as new or worsening dysphagia, pain on swallowing, retrosternal pain, or hearthour.

Purg Interactions

Calcium Supplements/Antacids: Products containing calcium and other multivalent cations (surple as alluminum magnesium iron) estilials to interface with alluvalent and supplements/Antacids:

Drug Interactions

Calcium Supplements/Antacids: Products containing calcium and other multivalent cations (such as aluminum, magnesium, iron) are likely to interfere with absorption of BONINA BONIVA should be taken at least 60 minutes before any oral medications containing multivalent cations (including antacids, supplements or vitamins) (see PRECAUTIONS: Information for Patients).

of BONIVA BONIVA should be taken at least 60 minutes perore any oral medical processional program undivident cations (including antacids, supplements or vitamins) (see PRECAUTIONS: Information for Patients).

PRECAUTIONS: Information for Patients).

BONIVIA osteoproriss Treatment and Prevention Studies, 15% used anti-peptic agents (primarily #12 blockers and PPIs). Among these patients, the incidence of upper gastrointestinal adverse experiences in the patients treated with BONIVA assimilar to that in placebo-treated patients. Similarly, of over 1600 patients enrolled in a study comparing once-monthly with daily dosing regimens of ibandronate, 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 150 mg once monthly was similar to that in patients treated with BONIVA 150 mg once monthly was similar to that in patients treated with BONIVA 150 mg once monthly was similar to that in patients treated with BONIVA 2.5 mg once daily. Aspirin/Nonsteroidal Antiinflammatory Drugs (NSAIDs): In the large, placebo-controlled osteoporosis Treatment Study, aspirin and nonsteroidal antiinflammatory drugs were taken by 62% of the 2946 patients. Among aspirin or NSAID users, the incidence of upper gastrointestinal adverse events in patients study, aspirin and nonsteroidal antiinflammatory drugs were taken by 39% of the 1602 patients. The incidence of upper gastrointestinal events in patients concomitantly taking aspirin or NSAIDs was similar in patients taking ibandronate 2.5 mg daily (21.7%) and 150 mg once monthly (22.0%). However, since aspirin, NSAIDs, and bisphosphonates are all associated with gastrointestinal irritation, audion should be exercised in the concomitant use of aspirin or NSAIDs was stimilar in patients belong the approximation and the secretic studies with bonivor to interfere Cauuon snoulo de exerciseo in the concomitant use of aspirin or NSAIDs with BONIVA Drug/Laboratory Test Interactions: Bisphosphonates are known to interfere with the use of bone-imaging agents. Specific studies with ibandronate have no heen performed.

performed. inogenesis, Mutagenesis, Impairment of Fertility: Carcinogenesis: In a 104-c arcinogenicity study, doses of 3, 7, or 15 mg/kg/day were administered al gavage to male and female Wistar rats (systemic exposures up to 12 and 7

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 5.2 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 once-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 5.2 o, 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 150 mg, based on AUC comparison). The relevance of these findings to humans is unknown.

Mutagenesis: There was no evidence for a mutagenic or clastogenic potential of happrographs.

Autogenesis: There was no evidence for a mutagenic or clastogenic potential of ibandronate in the following assays: in vitro bacterial mutagenesis assay in Salmonella typhimurium and Escherichia coli (Ames test), mammalian cell mutagenesis assay in Chinese hamster V79 cells, and chromosomal aberration test in human peripheral lymphocytes, each with and without metabolic activation. Ibandronate was not genotoxic in the in vivo mouse micronucleus tests for chromosomal damane

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gestation, decreases in fertility, corpora lutea, and implantation sites were observed at an oral dose of 15 mg/kg/day (45 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).

Pregnancy: Pregnancy Category C: In female rats given oral doses of 1, 4, or 16 mg/kg/day beginning 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 daily oral dose of 2.5 mg or x1 times human exposure at the recommended once-monthly oral dose of 150 mg, based on AUC comparison). Perinatal pup loss in dams given 16 mg/kg/day (45 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 6, 20, or 60 mg/kg/day during gestation, calcium supplementation (32 mg/kg/day by subcutaneous injection from gestation day 18 to parturition) did not completely prevent dystocia and periparturient mortality in any of the treated groups (×16 times human exposure at the recommended once-monthly oral dose of 150 mg, based on AUC comparison). A low incidence of postimplantation loss was observed in rats treated from 14 days before mating throughout lactation or during gestation, only at doses causing maternal dystocia and periparturient mortality in a pregnant rats dosed orally with 1, 5, or 20 mg/kg/day from gestation ady 17 through lactation day 21 (following dosure of the hard palate through weaning), maternal toxicity, including dystocia and mortality, fetal perinatal and postnatial mortality, were observed at doses of 5 mg/kg/day (equivalent to human exposure at the recommended daily oral dose of 2.5 mg and ×4 times human exposure at the recommended daily oral dose of 2.5 mg and 5 mg/kg/day when dams were dosed from 14 days before mating through lactation (45 times human exposure at the recommended

Pediatric Use: Safety and effectiveness in pediatric patients have not been established.

established.

Geriatric 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.

Some older individuals cannot be runed 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.

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 BONWA 2.5 mg daily group. The percentage of patients who withdrew from treatment due to adverse events was approximately 17% in both the BONWA 2.5 mg daily group and the placebo group. Overall, and according to body system, there was no difference between BONWA and placebo, with adverse events of the digestive system being the most common reason for withdrawal.

the most common reason for withdrawal.

Table 1 lists adverse events from the Treatment and Prevention Studies reported in x2% 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: Adverse Events Occurring at a Frequency x2% and in More Patients Treated with BONIVA than in Patients Treated with Placebo Daily in the Osteoporosis Treatment and Prevention Studies

Body System Placebo BONIVA 2.5 mg

(n=1134) (n=1140)

Table 1 cont.		
Asthenia	2.3	3.5
Allergic Reaction	1.9	2.5
Digestive System		
Dyspepsia	9.8	11.9
Diarrhea	5.0	6.8
Tooth Disorder	2.3	3.5
Vomiting	2.1	2.7
Gastritis	1.9	2.2
Metabolic and Nutritional Dis		·
Hypercholesterolemia	4.2	4.8
Musculoskeletal System		
Myalgia	5.1	5.7
Joint Disorder	3.3	3.6
Arthritis	2.7	3.2
Nervous System		
Headache	5.8	6.5
Dizziness	2.6	3.7
Vertigo	2.5	3.0
Nerve Root Lesion	1.9	2.2
Respiratory System		
Upper Respiratory Infection	33.2	33.7
Bronchitis	6.8	10.0
Pneumonia	4.3	5.9
Pharyngitis	1.5	2.5
Urogenital System		
Urinary Tract Infection	4.2	5.5
Once-Monthly Dosing: In a	1-year, dou	ble-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 betapility 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 x-2% of patients without attribution of causality.

Table 2: Adverse Events with an Incidence of at Least 2% in Patients Treated

Table 2: Adverse Events with an Incidence of at Least 2% in Patients Treater with BONIVA 150 mg Once Monthly or 2.5 mg Daily				
Body System/Adverse Event	BONIVA	BONIVA		
	2.5 mg daily	150 mg monthly		
	% (n=395)	% (n=396)		
Vascular Disorders	, ,	, ,		
Hypertension	7.3	6.3		
Gastrointestinal Disorders				
Dyspepsia	7.1	5.6		
Nausea	4.8	5.1		
Diarrhea	4.1	5.1		
Constipation	2.5	4.0		
Abdominal Pain ^a	5.3	7.8		
Musculoskeletal and Connective	Tissue Disorders			
Arthralgia	3.5	5.6		
Back Pain	4.3	4.5		
Pain in Extremity	1.3	4.0		
Localized Osteoarthritis	1.3	3.0		
Myalgia	0.8	2.0		
Muscle Cramp	2.0	1.8		
Infections and Infestations				
Influenza	3.8	4.0		
Nasopharyngitis	4.3	3.5		
Bronchitis	3.5	2.5		
Urinary Tract Infection	1.8	2.3		
Upper Respiratory Tract Infection	2.0	2.0		
Nervous System Disorders				
Headache	4.1	3.3		
Dizziness	1.0	2.3		
General Disorders and Administra				
Influenza-like Illness ^b	0.8	3.3		
Skin and Subcutaneous Tissue Di				
Rash	1.3	2.3		
Psychiatric Disorders				
Insomnia	0.8	2.0		

**Combination of abdominal pain and abdominal pain upper

Combination of influenza-like illness and acute phase reaction

Combination of rash pruritic, rash macular, rash papular, rash generalized, rash
erythematous, dermatitis, dermatitis allergic, dermatitis medicamentosa, erythema
and exarther.**

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-monthly treatment study for these patients, there was no difference in upper gastrointestinal adverse events with the 150 mg once-monthly regimen compared to the 2.5 mg once-daily regimen. with the 150 mg once-monthly regimen compared to the 2.5 mg once-daily regimen.

Ocular Adverse Events: Reports in the medical literature indicate that bisphosphonates may be associated with ocular inflammation such as uveitis and sclerits. In some cases, these events did not resolve until the bisphosphonate was discontinued. There were no reports of ocular inflammation in studies with BONIVA 2.5 mg daily. Two patients who received BONIVA once monthly experienced ocular inflammation, one was a case of uveitis and the other scleritis.

2.3 ing daily, two patients who received bottwo direct floring yelpreinted octain inflammation, one was a case of uveitis and the other scientis.

Laboratory Test Findings: in the 3-year treatment study with BONIWA 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 bisphosphonathe 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 abnormalities indicative of hepatic or renal dysfunction, hypocatemia, or hypophosphatemia. Similarly, no changes were noted for the 150 mg once-monthly administration in the 1-year study.

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 hypocatemia, hypophosphatemia, and upper gastrointestinal adverse events, such as upset stomach, dyspepsia, esophagitis, gastritis, or uler-Milk or antacids should be given to bind BONIVA. Due to the risk of esophageal irritation, vomiting should not be induced, and the patient should remain fully upright. Dilaysis would not be beneficial.

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Pharmaceuticals

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-From staff reports