# MRSA Infection Seen in Kids With Labial Abcesses

### BY SHARON WORCESTER Tallahassee Bureau

NEW ORLEANS — A recent series of "curious" cases of large vulvar or labial abscesses in previously healthy children were associated with methicillin-resistant Staphylococcus aureus and represent the first reported cases of such abscesses in the pediatric and adolescent population, S. Paige Hertweck, M.D., reported at the annual meeting of the North

American Society for Pediatric and Adolescent Gynecology.

Six patients, aged 2, 16, and 17 months and 3, 12, and 16 years, presented during 2004 with vulvar or labial abscesses requiring debridement and drainage. All had confirmed S. aureus infection, and five of the patients had MRSA.

The MRSA cases presented initially with a red papule that progressed rapidly, and by day 2 a fulminant abscess extended significantly beyond the labia. The abscesses had an area greater than 5 cm. After debridement and 48-72 hours of

continuous drainage, all patients were treated with antibiotics. The use of small incisions at each end of the abscess cavities allowed digital manipulation, and the use of a small Penrose drain threaded through each incision and tied to itself allowed continuous drainage that negated the need for extensive packing, which can be difficult in children.

None of the children had typical risk

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	orders	
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

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)
lascular Disorders		
Hypertension	7.3	6.3
Sastrointestinal Disorders		
Dyspepsia	7.1	5.6
Nausea	4.8	5.1
Diarrhea	4.1	5.1
Constipation	2.5	4.0
Abdominal Pain <sup>a</sup>	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
Músčle Cramp	2.0	1.8
nfections 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
Vervous System Disorders		
Headache	4.1	3.3
Dizziness	1.0	2.3
General Disorders and Administra	tion Site Condition	IS
Influenza-like Illness <sup>b</sup>	0.8	3.3
Skin and Subcutaneous Tissue Di		
Rash <sup>e</sup>	1.3	2.3
Psychiatric Disorders		2.0
Insomnia	0.8	2.0
moornina	0.0	2.0

INSUMINA
U.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 allergic, dermatitis medicamentosa, erythema
and examinem
Delicete with a preview bitter of existing of the second se

ery infinatuos, derinatuos, terinatus anegur, terinatus incordamientosa, ery tierinat and exanither Patients with a previous history of gastrointestinal disease, including patients with peptic ulear without recarch bleeding or hospitalization and patients with dyspessia or refux 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 regimenr 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 in studies with SONMA 2.5 mg daily. There were no reports of ocular inflammation in studies with SONMA 2.5 mg daily. Wo patients who received SONMA once monthly experienced ocular inflammation, one was a case of uveits and the other scleritis.

2.5 ing daily. Wo patients with received bolivity dice finding experiated octain inflammation, one was a case of overlis and the other scientiz. Laboratory Test Findings: In 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 groups compared to placebo. There was no difference compared with placebo for laboratory abnormalities indicative of hepatic or read vystunction, hypocalcemia, or hypophosphatemia. Similarly, no changes were noted for the 150 mg once-normalities indicative of hepatic or verdosage with BONIVA. However, based on knowledge of this class of compounds, or al overdosage with BONIVA. However, based on knowledge of this class of compounds, or gastritis, or ucer. Milk or antacids should be given to bind BONIVA. Due the risk of esophageal irritation, vomiting should not be induced, and the patient should remain fully upright. Dialysis would not be beneficial.

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> es Inc. treet sey 07110-1199 Laboratories Inc. and

factors for MRSA, although three did have household contacts with lesions that might have been associated with MRSA. All the infections were sensitive to clindamycin, Bactrim (trimethoprim-sulfamethoxazole), and vancomycin, Dr. Hertweck not-

The MRSA cases ed. M R S A presented initially should be conwith a red papule that progressed rapidly, and by day 2 a fulminant abscess extended sion significantly beyond the labia.

sidered in all patients presenting with rapidly progressing vulvar or labial erythema. Aggressive treatment with inciand drainage in such cases is warranted, she

said, noting that a limited incision site and the use of a Penrose drain are recommended in children.

Appropriate antibiotic therapy should also be initiated.

While our sensitivities may not translate to your community, it might be appropriate to start with something like clindamycin," she said.

## Obstructed Hemivagina: **Conservative** Tx

NEW ORLEANS — Most young patients with obstructed hemivagina and ipsilateral renal anomalies can be managed conservatively with single stage vaginoplasty, Nicole A. Smith, M.D., reported in a poster at the annual meeting of the North American Society for Pediatric and Adolescent Gynecology.

This is true even in the setting of infection, wrote Dr. Smith, who also noted that routine laparoscopy is not essential in the management of this condition, which is fairly common but often misdiagnosed.

Misdiagnosis can lead to inappropriate treatment or can delay appropriate treatment (forcing some girls to live unnecessarily with debilitating pain from a condition that could be easily treated), according to Dr. Smith of Children's Hospital Boston.

A series of 27 cases at that hospital over a 12-year period underscores the need for a high level of clinical suspicion for the syndrome in the presence of a suggestive ultrasound.

In the 27 cases, initial ultrasound was 50% sensitive in suggesting a diagnosis; MRI after referral led to correct diagnosis in 85% of patients.

A total of 26 patients underwent vaginal resection, but only 7 underwent laparoscopy. Only seven required a staged vaginoplasty; the reasons for staged vaginoplasty included incomplete previous resection, infection, anatomic distortion, and restenosis, Dr. Smith noted.

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 disorder's such 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 associated with dysphagia, esophagitis, and esophageal or gastric ulcers. This associated with dysphagia, esophagitis, and esophageal or gastric ulcers. This associated with dysphagia, esophagitis, and esophageal or gastric ulcers. This associated with dysphagia, esophagitis, and esophageal or gastric ulcers. This associated with dysphagia, esophagitis, and esophageal or gastric ulcers. This associated with dysphagia, esophagitis, and esophageal or gastric ulcers. This associated with dysphagia, esophagitis, and esophageal or gastric ulcers. Severe Renal Impairment: BONIVA is not recommended for use in patients with severe renal impairment: BONIVA is not recommended for use in patients with severe renal impairment: BONIVA is not cases have been in cancer patients undergoing dental procedures, but some have occurred in patients with postmenopausal osteoprorisis or discusservids), and convon risk factors for osteoneorosis include a diagnosis of cancer, concomitant therapies (eg, chemotherapy, radiotherapy, corticostervids), most everopied cases have been in patients with severe renal upatients treated with bisphosphonates. Most evolve osteonecrosis of egan barber barber or obtained disorders (egan end or osteoneorosis include a diagnosis of cancer, concomitant therapies (eg. chemotherapy, radiotherapy, carticostervids), wold evolve osteonecrosis of the jaw (NNJ) while on bisphosphonate therapy, dental surgery may exacerbate the condition. For patients treated orally. For patients with o

patient based on individual benefit/risk assessment. *Musculoskeletal Pairi*. In postmarkeling experience, severe and occasionally incapacitating bone, joint, and/ or muscle pairi has been reported in patients taking bisphosphonates that are approved for the prevention and treatment of osteoporosis (see **ADVERSE REACTONS**). However, such reports have been infrequent. This category of drugs include BONNA (floandnonte sodium) Tablets. Most of the patients were postmenopausal women. The time to onset of symptoms varied from one day to several months after stating the drug. Most patients had reichallenged with the same drug or another bisphosphonate. In placebo-controlled studies with BONNA, the percentages of patients with these symptoms were similar in the BONNA and placebo groups.

studies with BONVA and placebus or patients with tiese symptoms were similar in the BONVA and placebus groups. Information Leaflet carefully before taking BONVA, 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. -BONVA 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 multivaleri cations (including antacids, supplements or vitamins). -To facilitate delivery to the stomach, and thus reduce the potential for esophageal firtation, BONVA tables should be swallowed whole with a full glass of plain water (6 to 8 co) while the patient is standing or sitting in an upright position. Patients should not leaven for 60 minutes after taking BONVA. -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 used.

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

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

patient's BONIVA day. If the once-monthly dose is missed, and the patient's next scheduled BONIVA day is more than 7 days away, the patient should be instructed to take one BONIVA 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 BONIVA 150-mg tablet every month in the morning of their chosen day, according to their original schedule.

The patient should their chosen day, according to below 500HiXA rooming 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 patients next scheduled BONIVA day is only 1 to 7 days away, the patient must wait until their next scheduled BONIVA day to their original schedule. The patient should their return to taking one BONIVA 150-mg tablets within the same week. If the patients should be BONIVA 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 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 einstructed to discontinue BONIVA and seve medical attention if they develop symptoms of esophageal irritation such as new or worsening dysphagia, pain on swallowing, retrosternal pain, or heartburn.
 Dighteractions
 Calcium Supplements/Antacids: Products containing calcium and other multivalent calciums (such as aluminum, mannesium, feature in the set on the delayed of the patients (such as aluminum, mannesium, feature in the set or the delayed of the develop is the set on the set or the set of the develop is the set of the set of the develop is the set of the set of the set of the develop is the set

new or worsening dysptagia, pain on swallowing, retrosternal pain, or hearburn. **Drug Interactions** Calcium Supplements/Antackis: Products containing calcium and other multivalent cations (such as aluminum, magnesium, iron) are likely to interfere with absorption of BONIVA. BONIVA should be taken at least 60 minutes before any oral medications containing multivalent cations (including antacids, supplements or vitamins) (see **PRECUTIONS: Information for Patients**). *12 Blockers and Proton Pump Inhibitors (PPIs)*: Of over 3500 patients enrolled in the BONIVA osteoporosis Treatment and Prevention Studies, 15% used arti-peptic agents (primarily H2 blockers and PPIs). Arong these patients, the incidence of upper gastrointestinal adverse experiences in the patients the incidence of upper gastrointestinal adverse experiences in the patients the incidence of of patients used anti-peptic agents. Arong these patients, the incidence of upper gastrointestinal adverse experiences in the patients the incidence of dipatient used anti-peptic agents. Arong these patients, the incidence of upper gastrointestinal adverse experiences in the patients treated with BONIVA 150 mg once monthy was similar to that in patients treated with BONIVA 150 mg once monthy was similar to that in patients treated with BONIVA 150 mg vapinin/Nonsteroidal Antiinflammatory Drugs (NSAIDs): In the large, placebo-controlled osteoporosis Treatment Study, aspirin and nonsteroidal antiinflammatory drugs were taken by 26% of the 2946 patients. Arong aspirin or NSAID users, the incidence of upper gastrointestinal adverse events in patients reated with indantonate 2.5 mg daily (28.9%) was similar to that in placebo-treated patients (30.7%). Similari, in the 1-year monthy comparison and bisphonates are all associated with gastrointestinal events in patients and bisphonates are all associated with gastrointestinal events in patients and bisphonates are all associated with theatronate taken by 18% of the 1602 patients. The incidence of Drug/Laboratory Test Interactions: Bisphosphonates are known to interfere with the use of bone-imaging agents. Specific studies with ibandronate have no

inogenesis, Mutagenesis, Impairment of Fertility: *Carcinogenesis*: In a 104-carcinogenicity 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

gestation, decreases in fertility, corpora lutea, and implantation sites were "observed at an oral dose of 16 mg/kg/day (45 times human exposure at the recommended daily oral dose of 150 mg/kg/day (45 times human exposure at the recommended once-monthly oral dose of 150 mg, based on AUC comparison). **Pergnancy:** *Pregnancy Category C:* In female rats given oral doses groups (-3 times human exposure at the recommended daily oral dose of 2.5 mg or ~1 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 daily oral dose of 2.5 mg or ~1 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 daily oral dose of 2.5 mg and doses of 6.2 or 66 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 perjarturiten trontality in any of the treated groups (×16 times human exposure at the recommended one-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 perjarturient mortality. In pregnant rats dosed oraly with 1.5 or 20 mg/kg/day form gestation day 17 through lactation day 21 (following closure of the hard palate through weaning), maternal toxicity, including dystocia and mortality, fetal perinatal and posthatina mortality, were commended dialy oral dose of 2.5 mg and ×4 times human exposure at the recommended dialy oral dose of 2.5 mg and ×4 times human exposure at the recommended dialy oral dose of 150 mg, based on AUC comparison). Peripaturient mortality has also been observed with other bis

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

established. **Certairtic 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 betwene These patients and younger patients but greater sensitivity in some older individuals cannot be ruled out. **AVVERSE REACTIONS** 

ADVERSE REACTIONS Daily Dosing: Daily treatment with oral BONIVA was studied in over 3900 patients in postmenopausal osteoprocess 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

event profile to BOWWA 2.5 ing once daily in these studies was similar to that of placebo.
Treatment and Prevention of Postmenopausal Osteoporosis: Most adverse events ware mild or modaret and did not lead to discontinuation. The incidence of serious adverse events was and did not lead to discontinuation. The incidence of adverse events was approximately 17% in both the BOWWA 2.5 mg daily group. The approximately 17% in both the BOWWA 2.5 mg daily group and the placebo group overths was approximately 17% in both the BOWWA 2.5 mg daily group and the placebo group. Overall, and according to body system, there was no difference between BOWMA and placebo, with adverse events of the digestive system being the most common reason for withdrawal.
Table 1 ides adverse events from the Treatment and Prevention Studies reported in x-2% of patients and in more patients treated daily with BONVA than patients treated with placebo. Adverse events are shown without attribution of causality.

lable 1: Adverse Events Occurring at a Frequency <2% 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)	
Body as a Whole			-
		13.5	
Body System	Placebo %	BONIVA 2.5 mg % (n=1140)	

DONIVA 2 E ma		
2% and in More Patients h Placebo Daily in the on Studies	gsk	GlaxoSmithKlir
t attribution of causality.		Co-promoted by Roche L
evention Studies reported in with BONIVA than patients		Nutley, New Jerse www.rocheusa.co
the digestive system being		Roche Laboratori 340 Kingsland Str

GlaxoSmithKline Five Moore Drive Research Triangle Park, NC 27709 www.gsk.com
March 2005

-Sharon Worcester

infrartisoria, joien oral doses of 1, 4, or 16 continuing through lactation, try in all dose groups (>3 times of 2.5 mg or >1 times human mg/kg/day (45 times human 2.5 mg or >1 times human 3.5	UNIVA 2.5 mg once daily and BO/INVA 150 mg once mo softmenopausal osteoporosis, the overall safety and tolerability sing regimens were similar. The incidence of serious adverss te BONIVA 2.5 mg daily group and 7.1% in the BONIVA 1 orup. The percentage of patients who withdrew from treat vents was approximately 8.9% in the BONIVA 2.5 mg daily ( ONIVA 150 mg once-monthy group. Table 2 lists the advei 2% of patients without attribution of causality. Table 2: Adverse Events with an Incidence of at Least 2% with BONIVA 150 mg Once Monthy or 2.5 m
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Urogen Urin

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 MMRI 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 150 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, 00, 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 in the drinking water to NMRI mice (cumulative 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 done-monthly oral dose of 150 mg, based on AUC comparison). The relevance of these findings to human sis tumknown. MuC comparison). The relevance of these findings to human sis tumknown. Hy Mus Jo Ar Nery AUC comparison). The relevance of these findings to humans is unknown. Mutagenesis: 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 hamsfer 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 Ferlility: In female rats treated from 14 days prior to mating through gestation, decreases in ferlility, corpora lutea, and implantation sites were observed at an ad dose of 150 mg/kg/day (45 times human exposure at the recommended once-monthly oral dose of 150 mg, based on AUC comparison). **Prenancy:** Centrangy Calmentary Cals fingues rats inven ong indexes of 1.4 or 16.

Intection 4.2 Dosing: In a 1-year, double-blind, multicenter study comparing g once daily and BONNA 150 mg once monthly in women with I osteoporosis, the overall safety and tolerability profiles of the two oral were similar. The incidence of serious adverse events was 4.8% in 5 mg daily group and 7.1% in the BONNA 150 mg once-monthly centage of patients who withdrew from treatment due to adverse wriminate A.9% in the BONNA 2.5 mg daily group and 7.8% in the