Infectious Diseases

CLINICAL

MRSA and Thrombosis in Osteomyelitis

Although venous thrombosis is rare in osteomyelitis patients, the community-acquired methicillin-resistant Staphylococcus aureus that predominates in Texas may have a unique ability to cause VT in these patients, reported Dr. Blanca E. Gonzalez of Baylor College of Medicine in Houston.

Venous thrombosis occurred near the sites of infection in 9 children with osteomyelitis and pyomyositis attributed to community-acquired S. aureus. All 9 patients were male, with a mean age of 10.6 years (range 2.5-12 years). About half of the patients experienced thrombosis in the femoral veins, and most of the VTs were identified while evaluating the patients' infections.

CAPSULES

Community-acquired methicillin-resistant S. aureus (MRSA) was the cause of infections in 7 patients, who were treated with vancomycin for at least 42 days. Infections in the other 2 patients were caused by community-acquired methicillin-susceptible S. aureus; these patients were treated with nafcillin for 2 weeks, followed by intravenous cefazolin for a total of 42 days of therapy (Pediatrics 2006;117:1673-9).

Risk factors were not easily identified; 6 of the 9 patients had no family history of VT or predisposing conditions. Septic emboli were detected in 3 patients based on chest imaging at the time of hospital admission. Two of these patients were intubated and one was placed on bilevel positive airway pressure; these 3 patients had intravascular filters. Ultimately, the thromboses resolved in 7 patients after about 10 weeks on average (range 2.5-32 weeks).

One of 3 patients with emboli had radiologic resolution of VT by 12 weeks, a second patient continued to use a filter with anticoagulation therapy that was discontinued after 10 months, and a third patient continued to use a filter with ongoing anticoagulation.

Vancomycin Linked to Hearing Loss

A significant increase in hearing loss occurred among children with pneumococcal meningitis who received vancomycin less than 2 hours after a first dose of cefotaxime or ceftriaxone, reported Dr. Steven C. Buckingham of the University of Tennessee Health Science Center in Memphis and his associates.

The retrospective study included 114 children with an average age of 10 months. Of these, 109 received vancomycin and either cefotaxime or ceftriaxone given previously or concomitantly (Pediatrics 2006;117:1688-94).

Audiometric tests were conducted on 67 of the children who were discharged from the hospital, and 37 (55%) demonstrated moderate to profound sensorineural hearing loss in at least one ear.

Data on vancomycin start times were available for 98 children. The vancomycin start time after receiving a cephalosporin was less than 1 hour in 38 children, 1-2 hours in 16 children, 2-5 hours in 16 children, and more than 5 hours in 28 children.

Overall, the median vancomycin start time was less than 1 hour after receiving a cephalosporin among the children with hearing loss, compared with a median start time of 4 hours among children without hearing loss. The proportion of children with hearing loss decreased as the vancomycin start time from the administration of a cephalosporin increased: 18 of 23 (78%) at less than 1 hour, 6 of 9 (67%) at 1-2 hours, 3 of 9 (33%) at 2-5 hours, and 5 of 18 (28%) at greater than 5 hours.

Although combination therapy has been recommended for children with pneumococcal meningitis, the data showed no clinical benefit from early vancomycin dosing. Physicians might consider delaying the first dose of vancomycin until at least 2 hours after the first dose of cephalosporins, the investigators wrote.

Hispanic Neonates and Pertussis

Low concentrations of pertussis toxinspecific immunoglobulin G (PT-specific IgG) might explain the increased risk of pertussis that has been consistently reported in Hispanic infants, reported Dr. C. Mary Healy of Baylor College of Medicine, Houston, and her colleagues.

The investigators evaluated data from singleton infants born in the same hospital during July and August of 2004. The geometric mean concentration of PT-specific IgG in umbilical cord serum samples taken from 220 Hispanic neonates was 8.45 EU/mL. This level dropped significantly, to 4.63 EU/mL, if the mothers were 19 years old or younger (CID 2006;42:1439-42). Both of these mean concentrations of antibodies were too low to be associated with protection from pertussis antigens, the investigators noted.

The finding that PT-specific IgG levels were especially low among neonates of adolescent mothers supports data from previous studies, but the levels were low enough among neonates of women aged 30 years and older (8.55 EU/mL) to suggest that babies born to older mothers are vulnerable to pertussis as well.

Brief Summary of Prescribing Information (Nos. 1541, 1543, 1544, 3046, 7309, 7311) 03-5366-R24-Brf. Rev. July. 2004

PREVACID® (lansoprazole) Delayed-Release Capsules

PREVACID® (lansoprazole) For Delayed-Release Oral Suspension

PREVACID® SoluTabTM (lansoprazole) Delayed-Release Orally

tegrating Tablets

Delayed-Release Capsules, PREVACID SoluTab Delayed-Release Orally ing Tablets and PREVACID For Delayed-Release Oral Suspension are indicated

for:

Short-Term Treatment (4 weeks) of Active Duodenal Ulcer

H. pylori Eradication to Reduce the Risk of Duodenal Ulcer Recurrence
Triple Therapy: PREVACIO/amoxicillin/clarithromycin
Dual Therapy: PREVACIO/amoxicillin
Who are either allergic or intolerant to clarithromycin or in whom resistance to
clarithromycin is known or suspected.

Maintenance of Healed Duodenal Ulcers
Controlled studies do not extend beyond 12 months.

Controlled studies do not extend beyond 12 months.

Short-Term Treatment (up to 8 weeks) of Active Benign Gastric Ulcer
Healing of NSAID-Associated Gastric Ulcer
In patients who continue NSAID use. Controlled studies did not extend beyond 8 weeks.
Risk Reduction of NSAID-Associated Gastric Ulcer
In patients with a history of a documented gastric ulcer who require the use of an NSAID.

Controlled studies did not extend beyond 12 weeks. Controlled studies did not exterio beyond 12 Gastroesophageal Reflux Disease (GERD) Short-Term Treatment of Symptomatic GERD

Short-Irem Treatment of Symptomatic GERD Short-Irem Treatment (up to 8 weeks) of Erosive Esophagitis For patients who do not heal with PREVACID for 8 weeks (5-10%), it may be helpful to give an additional 8 weeks of treatment. If there is a recurrence of erosive esophagitis an additional 8-week course of PREVACID may be considered.

Maintenance of Healing of Erosive Esophagitis Controlled studies did not extend beyond 12 months

Pathological Hypersecretory Conditions Including Zollinger-Ellison Syndrome

CONTRAINDICATIONS

VACID is contraindicated in patients with known hypersensitivity to any component of ormulation of PREVACID.

he formulation of PREVACID
Amovicillin is contraindicated in patients with a known hypersensitivity to any penicillin.
Clarithromycin is contraindicated in patients with a known hypersensitivity to arrithromycin eythornycin, and any of the macrolide artibiotics.
Concomilant administration of clarithromycin with cisapride, pimozide, astemizole, or riferiaddine is contraindicated. There have been post-marketing reports of drug interactions then clarithromycin and/or eythromycin are co-administered with cisapride, pimozide, stemizole, or terfenadine resulting in cardiac arrhythmias (OT prolongation, ventricular chycardia, ventricular fibrillation, and torsades de pointes) most likely due to inhibition of letabolism of these drugs by erythromycin and clarithromycin. Fatalities have been poprted.

(Please refer to full prescribing information for amoxicillin and clarithromycin before prescribing.)

WARNINGS
CLARITHROMYCIN SHOULD NOT BE USED IN PREGNANT WOMEN EXCEPT IN CLINICAL CIRCUMSTANCES WHERE NO ALTERNATIVE THERAPY IS APPROPRIATE. IF PREGNANCY OCCURS WHILE TAKING GLARITHROMYCIN, THE PATIENT SHOULD BE APPRISED OF THE POTENTIAL HAZARD TO THE FUTUS. (SEE WARNINGS IN PRESCRIBING INFORMATION FOR CLARITHROMYCIN).

PSEUdomembranous colitis has been reported with nearly all antibacterial agents, including clarithromycin and amoxicillin, and may range in severity from mild to life treatening. Therefore, it is important to consider this diagnosis in patients who present with diarrhea subsequent to the administration of antibacterial agents. Treatment with antibacterial agents alters the normal flora of the colon and may permit overgrowth of clostridia. Studies indicate that a toxin produced by Clostridium difficile is a primary cause of "antibiotic-associated colitis."

After the diagnosis of pseudomembranous colitis has been established, therapeutic measures should be initiated. Mild cases of pseudomembranous colitis usually respond to discontinuation of the drug alone. In moderate to severe cases, consideration should be inventiced, in an electrolyte, protein supplementation, and treatment with an antibacterial drug clinically effective against Clostridium difficile colitis. Serious and occasionally fatal hypersensitivity (and/or a history of sensitivity multiple allergens. In the have been reported in patients on penicillin hypersensitivity and/or a history of sensitivity multiple allergens.

There have been well-documented reports of individuals with a history of penicillin, careful inquiry reactions who have experienced severe hypersensitivity reactions who penicillins, exphalosporins, and other allergens. If an allergic reaction occurs, amoxi

PRECAUTIONS General

gastric malignancy.

Information for Patients

PREVACID is available as a capsule, orally disintegrating tablet and oral suspension, and is available in 15 mg and 30 mg strengths. Directions for use specific to the route and available methods of administration for each of these dosage forms is presented below. PREVACID should be taken before eating. PREVACID products SHOULD NOT BE CRUSHED OR CHEWED.

Phenylketonurics: Contains Phenylalanine 2.5 mg per 15 mg Tablet and 5.1 mg per 30 mg Tablet.

30 mg Tablet.

Administration Options

1. PREVACID Delayed-Release Capsules

PREVACID Delayed-Release Capsules should be swallowed whole.

Alternatively, for patients who have difficulty swallowing capsules, PREVACID Delayed-Release Capsules can be opened and administered as follows: Sprinkle intact granules on one tablespoon of either applesauce, ENSURE[®] pudding, cottage cheese, vogurt or strained pears.
Swallow immediately.

PREVACID Delayed-Release Capsules may also be emptied into a small volume of either apple juice, orange juice or tomato juice and administered as follows:

• Open capsule.

apple juice, orange juice or tomato juice and administration of Open capasile.

Sprinkle intact granules into a small volume of either apple juice, orange juice or tomato juice (60 mL – approximately 2 ounces).

nmediately.

complete delivery of the dose, the glass should be rinsed with two or more if juice and the contents swallowed immediately.

• to ensure complete delivery of the dose, the glass should be rinsed with two or more volumes of juice and the contents swallowed immediately.

USE IN OTHER FODDS AND LOUIDIS HAS NOT BEEN STUDIED CLINICALLY AND IS THEREFORE NOT RECOMMENDED.

2. PREVACID SoluTab Delayed-Release Orally Disintegrating Tablets

PREVACID SoluTab should not be chewed. Place the tablet on the tongue and allow it to disintegrate, with or without water, until the particles can be swallowed. The tablet typically disintegrates in less than 1 minute.

Alternatively, for children or other patients who have difficulty swallowing tablets, PREVACID SoluTab can be delivered in two different ways.

PREVACID Sultrab—Oral Syringe.

PREVACID SoluTab—Oral Syrin

PREVACID SoluTab – Nasogastric Tube Administration (≥ 8 French) or administration via a nasogastric tube, PREVACID SoluTab can be administered as

llows:

Place a 15 mg tablet in a syringe and draw up 4 mL of water, or place a 30 mg tablet in a syringe and draw up 10 mL of water.

Shake gently to allow for a quick dispersal.

After the tablet has dispersed, inject through the nasogastric tube into the stomach within 15 microtes.

15 minutes.
Refill the syringe with approximately 5 mL of water, shake gently, and flush the nasogastric

tube.

3. PREVACID for Delayed-Release Oral Suspension
PREVACID for Delayed-Release Oral Suspension should be administered as follows:

Open packet.
To prepare a dose, empty the packet contents into a container containing 2 tablespoons of WATER. DO NOT USE OTHER LIQUIDS OR FOODS.
Stir well, and drink immediately.

WATER. DO NOT USE OTHER LOUDIS ON POODS.

Stir well, and drink immediately.

If any material remains after drinking, add more water, stir, and drink immediately.

This product should not be given through enteral administration tubes.

• This product should not be given through enteral administration wives. Drug Interactions Lansoprazole is metabolized through the cytochrome P₂₆₀ system, specifically through the CYP3A and CYP2C18 isozymes. Studies have shown that lansoprazole does not have clinically significant interactions with other drugs metabolized by the cytochrome P₂₆₀ system, such as wardarin, antipyrine, indometation, ibuprofen, phenyloir, propraduol, prednisone, diazepam, or clarithromychi in healthy subjects. These compounds are metabolized thingth various cytochrome P₂₆₀ isozymes including CYP1A2, CYP2C0, PC2C19, and CYP3A, When lansoprazole was administened concomitantly with theophylline (CYP1A2, CYP2C), and CYP3A, which concerns (10%) in the clearance of theophylline was seen. Because of the small magnitude and the direction of the effect on theophylline distance, this interaction is unlikely to be of clinical concern. Montheless, individual patients may require additional tration or their theophylline dosage when lansoprazole is started or stopped to ensure clinically effective blood levels.

clearance, this interaction is unlikely to be of clinical concern. Nonetheless, individual patients may require additional tritation of their theophylline dosage when lansoprazole is started or stopped to ensure clinically effective blood levels.

In a study of healthy subjects neither the planarmacokinetics of warfarin enantitioners nor prothrombin time were affected following single or multiple 60 mg doses of lansoprazole; however, there have been reports of increased international Normalized Ratio (IRR) and prothrombin time were affected following single or multiple 60 mg doses of lansoprazole, and warfarin concomitantly. Increases in IRR and prothrombin time may lead to abnormal bleeding and even death. Patients treated with proton jump inhibitors and warfarin concomitantly. Increases in IRR and prothrombin time may lead to abnormal bleeding and even death. Patients treated with proton jump inhibitors and warfarin concomitantly may need to be monitored for increases in IRR and prothrombin time. Lansoprazole has also been shown to have no clinically significant interaction with amoscillin. In a single-dose crossover study examining lansoprazole 30 mg and omergrazole 20 mg exident and administered alone and concomitantly with sucraflate. Therefore, proton pump inhibitors should be taken at least 30 minutes prior to sucraflate. In clinical trials, antacids were administered concomitantly with sucraflate. Therefore, proton pump inhibitors should be taken at least 30 minutes prior to sucraflate. In clinical trials, antacids were administered consens and the sucraflate of the sucraflate in clinical trials, antacids were administered consens and the sucraflate in clinical trials, antacids were administered consens and the sucraflate in clinical trials; and to the sucraflate in clinical trials and the sucraflate in clinical trials, and to the sucraflate in clinical trials with doses of 510 50 mg/kg/day. Support to the control trial trials and the sucraflate in clinical trials with doses of 55 to 50 mg/kg/day (4 to

mg/kg/qay (13 times the recommended human dose based on body surface area) in a ear toxicity study, a 24-month carcinogenicity study, CD-1 mice were treated orally with doses of 15 to mg/kg/day, 2 to 80 times the recommended human dose based on body surface area, soprazole produced a dose-related increased incidence of sastric ECL cell hyperplasia, It by produced an increased incidence of liver tumors (hepatocellular adenoma businoma). The tumor incidences in male mice treated with 300 and 600 mg/kg/day (40 to times the recommended human dose based on body surface area) and female mice ted with 150 to 600 mg/kg/day (20 to 80 times the recommended human dose based on y surface area) exceeded the ranges of background incidences in historical controls for strain of infice. Lansoprazole treatment produced adenoma of rete tests in male mice alving 75 to 600 mg/kg/day (10 to 80 times the recommended human dose based on y surface area).

evelving 75 to 600 mg/kg/day (10 to but times the recommendation of the particular area).

Jody surface area).

Lansoprazole was not genotoxic in the Ames test, the ex vivo rat hepatocyte unscheduled DNA synthesis (UDS) test, the in vivo mouse micronucleus test or the rat bone marrow collaboration mountain the particular area of the ration of the proposed and proposed commendation test. It was positive in in vitro human lymphocyte chromosomal aboration assauce.

htromosomal aberration test. It was pusitive in it vitue in the state of the berration assays.

Lansoprazole at oral doses up to 150 mg/kg/day (40 times the recommended huma based on body surface area) was found to have no effect on fertility and reproperformance of male and female rats.

Pregnancy: Teratogenic Effects.

Pregnancy Category B

opprazole tology studies have been performed in pregnant rats at oral doses up to 150 mg/kg/day imms the recommended human dose based on body surface area) and pregnant rabbits all doses up to 30 mg/kg/day (16 times the recommended human dose based on body sce area) and have revealed no evidence of impaired fertility or harm to the fetus due to

introprazole. There are, however, no adequate or well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed.

Pregnancy Category C
Canthromycin

WARNINGS (above) and full prescribing information for clarithromycin before using in

ing Mothers opprazole or its metabolites are excreted in the milk of rats. It is not known whether oprazole is excreted in human milk. Because many drugs are excreted in human milk, use of the potential for serious adverse reactions in nursing infants From lansoprazole, because of the potential for tumorigenicity shown for lansoprazole in rat carcinogenicity is, a decision should be made whether to discontinue nursing or to discontinue the taking into account the importance of the drug to the mother.

aking into account to a super-life Use
flety and effectiveness of PREVACID have been established in pediatric patients 1 to
a first short-term treatment of symptomatic GERD and erosive esophagitis. Use The Salety and electroness of International CERD and erosive esophagitis if PREVACID in this population is supported by evidence from adequate and well-cont tudies of PREVACID in adults with additional clinical, pharmacokinetic, harmacodynamic studies performed in pediatric patients. The adverse events pro-relativity patients is similar to that of adults. There were no adverse events reported in clinical studies that were not previously observed in adults. The safety and effectiven PREVACID in patients < 1 year of age have not been established.

PREVACID in patients <1 year of age nave not oeen estationismou.

1 to 11 years of age
The pediatric safety of PREVACID Delayed-Release Capsules has been assessed in 66 pediatric patients aged 1 to 11 years of age. Of the 66 patients with GERD 85% (56/66) took PREVACID for 8 weeks and 15% (10/66) took for 12 weeks.

The most frequently reported (2 or more patients) treatment-related adverse events in patients 1 to 11 years of age (N=66) were constipation (5%) and headache (3%).

patients 1 to 11 years or age (N=00) were consuperor (xxx) and non-mineral patients of the patients of the patients of the patients of the patients. Of the 87 adolescent patients with GERD, 6% (5/87) took PREVACID for c5 weeks, 39% (81/87) for 6-10 weeks, and 1% (1/87) for 1-0 weeks. The most frequently reported (at least 3%) terminent-related adverse events in these patients were headache (7%), abdominal pain (5%), nausea (3%) and dizziness (3%). Treatment-related dizziness, reported in this suborty by 3 adolescent patients were non-moreove GERD of who had dizziness concurrently with other events (such as migraine, dyspnea, and vomitting).

1 Wolfield 4,000 women were treated with lansoprazole. Ulcer healing rates in females were Ir to those in males. The incidence rates of adverse events were also similar to those

ri<mark>atric Patients</mark> ling rates in elderly patients are similar to those in a younger age group. The

ung-term trials.
Indiowing adverse events were reported by the treating physician to have a possible or ble relationship to drug in 1% or more of PREVACID-treated patients and occurred at ter rate in PREVACID-treated patients than placebo-treated patients:
Incidence of Possibly or Probably

Treatment-Related Adverse Events in Short-Term, Placebo-Controlled Studies		
	PREVACID	Placebo
	(N= 2768)	(N= 1023)
Body System/Adverse Event	%	%
Body as a Whole		
Abdominal Pain	2.1	1.2
Digestive System		
Constipation	1.0	0.4
Diarrhea	3.8	2.3
Nausea	1.3	1.2
	1.3	1.2

idence of diarrhe was similar between patients who received placebo and patients ceived lansoprazole 15 mg and 30 mg, but higher in the patients who received placebo and patients ceived lansoprazole 15 mg and 30 mg, but higher in the patients who received reazole 60 mg (29%, 14%, 42%, and 7.4%, respectively). vost commonly reported possibly or probably treatment-related adverse event during nance therapy was discribea.

he most commonly reported possibly or probably treatment-related adverse event during intenance therapy was diarrhea. the risk reduction study of PREVACID for INSAID-associated gastric ulcers, the incidence itairhea for patients treated with PREVACID was 5%, misoprostol 22%, and placebo 3% diditional adverse experiences occurring in <1% of patients or subjects in domestic trials shown below. Refer to Postmarketing for adverse reactions occurring since the drug marketed.

are snown below. Reter to **Postmarketling** for adverse reactions occurring since the orugines may as markete. Body as a Whole – abdomen enlarged, allergic reaction, asthenia, back pain, candidiasis, carcinoma, chest pain (not otherwise specified), chills, edema, fever, flu syndrome, halitosis, infection (not otherwise specified) malaise, neck pain, neck rigidity, pain, pelvic pain; Cardiovascular System – angina, arrhythmia, bradyacrdia, cerebrovascular acidemiCreebral infarction, hypertension/hypotension, migraine, myocardial infarction, palpitations, shock (circulatory failure), syncope, tachycardia, vasodidiation; Digeethie System – ahnormal stools, anorexia, bezoar, cardiospasm, choleithiasis, colitis, dry mouth, dyspepsia, dysphagia, enteritis, eructation, esophageal stenosis, esophageal uleer, esophagitis, fecal discoloration, flatulence, gastric nodules/fundic gland polyps, gastriits, gastroenteritis, gustrointestinal anomaly, gastrointestinal anomaly, gastrointestinal anomaly, gastrointestinal sorter, gastrointestinal hemorrhage, glossitis, gum hemorrhage, hematemesis, increased appetite, increased salivation, melena, mouth ucleration, nauses and vomiting, nauses and vomiting and diarrhea, card moniliasis; rectal disorder, rectal hemorrhage, stomatitis, tenesmus, thirst, tongue disorder, ulcerative collitis, referred and Lymphatic System – somatis, tenesmus, thirst, tongue disorder, ulcerative collitis, referred and Lymphatic System – antenia, hemolysis, lymphadenopathy; Metabolic and Nutritional Disorders – gout, dehydration, hyperphycemia/hypodycemia, peripheral edema, weglian/loss; Musculoskeletal pain, myalgia, myasthenia, synovitis, Mervous System – abnormal final gradient, and propensional patribus, bord become and cymphatic system – anthralgia, arthritis, bord bisorder, joint disorder, joint disorder, peripheral edema, agilation, amesia, anaively, pathy, contribion, convulsion, depersoin-disorder, proprintis, peripheral edema, agilation, amesia, anaively, pathy, contribion, convulsion, depersoinas a Whole – abdomen enlarged, allergic reaction, asthenia, back pain, candidiasis noma, chest pain (not otherwise specified), chills, edema, fever, flu syndrome, halitosis

Postmarketing
On-going Sately Surveillance: Additional adverse experiences have been reported sinc lansoprazole has been marketed. The majority of these cases are foreign-sourced and relationship to lansoprazole has not been established. Because these events were reported voluntarily from a population of unknown size, estimates of frequency cannot be made These events are listed below by COSTART body system.

voluntarily from a population of unknown size, estimates of frequency cannot be made. These events are itselved below by COSTART body system - hepatotoxicity, pancreatitis, vomiting: Almole - anaphylactoid-like reaction; Digestive System - hepatotoxicity, pancreatitis, vomiting; Hennic and Lymphatic System - agranuloxyfosis, aplastic anemia, hemolytic anemia, leukopenia, pancryopenia, pancryopenia, thrombocytopenia, and thrombotic thrombocytopenic purpura; Skin and Appendages - severe dermatologic reactions including erythema multiforme, Stevens-Johnson syndrome, toxic epidermal necrolysis (some Ital); Special Senses - speech disorder; Urogenital System - urinary retention. Combination Therapy with Amoxicillia and Clarithromycin. In clinical trials using combination therapy with PREVACID plus amoxicillin and clarithromycin, and PREVACID plus amoxicillin, no adverse reactions peculiar to these drug combinations were observed. Adverse reactions that have occurred have been limited to those that had been previously reported with PREVACID. Amoxicillin, or clarithromycin. Triple Therapy. PREVACID/amoxicillin/clarithromycin. Triple Therapy. PREVACID/amoxicillin/clarithromycin. Triple Therapy. PREVACID/amoxicillin/clarithromycin. Triple Therapy. PREVACID/amoxicillin clarithromycin. Triple Therapy. PREVACID/amoxicillin clarithromycin. Triple Therapy. PREVACID/amoxicillin therapy regimens. No treatment-emergent adverse events were observed at significantly higher rates with thriple therapy than with PREVACID Lid. plus amoxicillin Lid. dual therapy were diarrhea (8%) and headache (7%). No treatment-emergent adverse events were observed at significantly higher rates with PREVACID Lid. plus amoxicillin cl.d. dual therapy were diarrhea (8%) and headache (7%). No treatment-emergent adverse events were observed at significantly higher rates with PREVACID Lid. plus amoxicillin cl.d. dual therapy were diarrhea (8%) and headache (7%). No treatment-emergent adverse events were observed at significantly higher rates with PREVACID

recents. Abnormal iver function tests, increased SGOT (AST), increased SGPT (ALT), increased SGPT (ALT), increased SGPT (ALT), increased GGTP, increased/decreased/abnormal WBC, abnormal AG ratio, abnormal RBC, billirubinemia, eosinophilla, hyperlipemia, increased/decreased electrolytes, increased/decreased cholesterol, increased glucocorticodis, increased LDH, increased/decreased/abnormal platelets, and increased glacering easely. University and increased glucocorticodis, increased LDH, abnormalities such as abuminuria, glycosuria, and henaturia were also reported. Additional isolated laboratory abnormalities were

in the heavest of the controlled studies, when SGOT (AST) and SGPT (ALT) were evaluated, 0.4% (41/267) placebo controlled studies, when SGOT (AST) and SGPT (ALT) were evaluated, 0.4% (41/267) placebo patients and 0.4% (11/2677) lansoprazole patients had enzyme elevations greater than three times the upper limit of normal range at the final treatment visit. None of these lansoprazole patients reported jaundice at any time during the study. In clinical trials using combination therapy with PREVACID plus amoxicillin, and clarithromycin, and PREVACID plus amoxicillin, no increased laboratory abnormalities particular to these drug combinations were observed.

cular to these drug combinations were observed; more information on laboratory value changes with amoxicillin or clarithromycin, refer eir package inserts, **ADVERSE REACTIONS** section.

to their package inserts, nutrinos inserts in the package inserts, nutrinos in the package inserts, nutrinos in the package area) and mice (about 675.7 times the recommended human dose based on body surface area) and mice (about 675.7 times the recommended human dose based on body surface area) did not produce deaths or any clinical signs. Lansoprazole is not removed from the circulation by hemodialysis. In one reported case of overdose, the patient consumed 600 mg of lansoprazole with no adverse reaction.

overdose, the patient consumed 600 mg of lansoprazole with no adverse reaction.

Distributed by TAP Pharmaceuticals Inc.
Lake Forest, IL 60045, U.S.A.

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For more detailed information, see full prescribing information or contact TAP Medical Information at 1-800-622-2011.

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—Heidi Splete