## EGNR Bacteremia Complicates Rotavirus Disease

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Contributing Writer

hildren with rotavirus gastroenteritis face a small but real risk of developing enteric gram-negative sepsis, investigators have reported.

Physicians "should be aware of the possibility of this complication, especially when a child is developing a high fever and lethargy several days after the beginning of gastroenteritis," said Amos Adler, M.D., and his colleagues at the Sapir Medical Center in Kfar Saba, Israel.

"In such cases, prompt initiation of wide-spectrum antibiotics is crucial, even in previously diagnosed rotavirus infection," they said (Clinical Pediatrics 2005:44;351-4).

The investigators described three previously healthy infants who developed enteric gram-negative rods (EGNR) bacteremia during rotavirus gastroenteritis. The children were hospitalized at the

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

o prepare a dose, empty the packet contents into a container containing 2 tablespoons of VATER. DO NOT USE OTHER LIQUIDS OR FOODS.

\*Stu wen, and unin-monatory.

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

This product should not be given through enteral administration tubes.

Drug Interactions

Lansoprazole is metabolized through the cytochrome P<sub>450</sub> system, specifically through the CYP3A and CYP2C19 isozymes. Studies have shown that lansoprazole does not have clinically significant interactions with other drugs metabolized by the cytochrome P<sub>450</sub> system, such as warfarin, antipyrine, indomethacin, buprofren, phenytoin, propranoiol, prodnisone, diazepam, or clarithromycin in healthy subjects. These compounds are metabolized through various cytochrome P<sub>260</sub> isozymes including CYP142, CYP2G3, CYP2C19, CYP2C19, CYP2OB, and CYP3A. When lansoprazole was administered concomitantly with heophylline (CYP142, CYP3A), a minor increase (10%) in the clearance of theophylline was seen. Because of the small magnitude and the direction of the effect on theophylline clearance, this interaction is unlikely to be of clinical concern. Nonetheless, individual patients may require additional thration of their theophylline dosage when lansoprazole is started or stopped to ensure clinically effective blood develos.

In a study of healthy subjects neither the pharmacokinetics of warfarin enantiomers nor prothrombin time were affected following single or multiple 60 mg doses of lansoprazole is clinically significant interaction (INR) and prothrombin time in patients receiving proton pump inhibitors, including lansoprazole, and warfarin concomitantly may need to be monitored for increases in INR and prothrombin time.

Lansoprazole has also been shown to have no clinically significant interaction with amoxicillin. In a single-dose crossover study examining lansprazole sund omerpazole 20 mg each administered alone and concomitantly with sucrafate 1 gram, absorption of the proton pump inhibitors and domerpazole 20 mg each administered alone and concomitantly with sucrafate 1 gram, absorption of the proton pump inhibitors wa

ununours snoulu de taxen at least 30 minutes prior to sucralfate. In clinical trials, antacids were administered concomitatiny with PREVACID Delayed-Release Capsules; this did not interfere with its effect.

Lansoprazole causes a profound and long-lasting inhibition of gastric acid secretion; therefore, it is theoretically possible that lansoprazole may interfere with the absorption of drugs where gastric pit is an important determinant of bioavailability (e.g., ketoconazole, ampicillin esters, iron salts, digoxin).

Carcinogenesis, Mutagenesis, Impairment of Fertility
In two 24-month carcinogenicity studies, Sprague-Dawley rats were treated orally with doses of 5 to 150 mg/kg/day, about 1 to 40 times the exposure on a body surface area) given the recommended human dose of 30 mg/day (22.2 mg/m²). Lansoprazole produced doser-related gastric enterochromaffin-like (ECL) cell Hyperplasia and ECL cell carcinolis in both male and female rats. It also increased the incidence of intestinal metaplasia of the gastric epithelium in both sexes. In male rats, lansoprazole produced a dose-related increase of testicular interstitial cell adenoma. The incidence of these adenomas in rats receiving doses of 15 to 150 mg/kg/day (40 to 40 times the recommended human dose based on body surface area) exceeded the low background incidence (range = 1.4 to 10%) for this strain of rat. Testicular interstitial cell adenoma also occurred in 1 of 30 rats treated with 50 mg/kg/day (13 times the recommended human dose based on body surface area) in a 1-year toxicity study.

In a 24-month carcinogenicity study, CD-1 mice were treated orally with doses of 15 to 600 mg/kg/day, 2 to 80 times the recommended human dose based on body surface area) exceeded the ranges of background incidences in historical controls for treated with 50 to 600 mg/kg/day (40 to 80 times the recommended human dose based on body surface area) exceeded the ranges of background incidences in historical controls for times the recommended human dose based on body surface ar

nody surrace area).

Lansoprazole was not genotoxic in the Ames test, the ex vivo rat hepatocyte unschedulet DMA synthesis (UDS) test, the in vivo mouse micronucleus test or the rat bone marrow cel chromosomal aberration test. It was positive in in vitro human lymphocyte chromosoma aberration assay.

aberration assays.

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

Pregnancy: Teratogenic Effects.

Pregnancy Category B

Pregnancy Category 8

Lansoprazole

Teratology studies have been performed in pregnant rats at oral doses up to 150 mg/kg/day

Relation of the recommended human dose based on body surface area) and pregnant rabbits

at oral doses up to 30 mg/kg/day (16 times the recommended human dose based on body

surface area) and have revealed no evidence of impaired fertility or harm to the fetus due to

lansoprazole.

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

Ratthomoroic

Programmy decognity of Clarithromycin See WARNINGS (above) and full prescribing information for clarithromycin before using in

pregnant women.

Mursing Mothers

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

drug, taking into account use misporance or prediatric Use.

The safety and effectiveness of PREVACID have been established in pediatric patients 1 to 17 years of age for short-term treatment of symptomatic GERD and erosive esophagitis. Use of PREVACID in adults with additional clinical, pharmacokinetic, and pharmacodynamic studies performed in pediatric patients. The adverse events profile in opediatric patients is similar to that of adults. There were no adverse events reported in epidatric patients is similar to that of adults. There were no adverse events reported in Scilinical studies that were not previously observed in adults. The safety and effectiveness of PREVACID in adultents < | variety | variet

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

medical center in 2000 and 2001.

The infants had the characteristic clinical course of rotavirus gastroenteritis at the beginning of their illness. Then, 3-5 days after the onset of disease, they presented with an abrupt onset of high fever, lethargy, and poor perfusion.

Laboratory results suggested bacterial sepsis, and in one case, there also was radiographic evidence of severe intestinal injury due to pneumatosis intestinalis.

In all of them, the EGNR isolated from

the blood cultures were sensitive to aminoglycosides and to second- or third-generation cephalosporins.

(Stool cultures in each patient tested negative for Shigella, Salmonella, enteropathogenic Escherichia coli, and Campylobacter.)

Differentiating between secondary EGHR infection and the deterioration of rotavirus gastroenteritis to a severe course "may be difficult," the investigators said.

It also is difficult to pinpoint the mechanism of bacterial breakthrough and spreading in these three cases, especially since rotavirus is not known to cause extensive inflammation and cell destruction, they said.

Still, the investigators said, they hypothesize that the pathogenesis of the bacteremia "was dissemination of normal intestinal flora through the damaged mucosa"— just as viral infection of the respiratory tract can antecede and predispose children to colonization and invasion of bacteria such as Streptococcus pneumoniae.

It is possible that bacteremia took hold through other sites—the urinary tract or the respiratory tract, for instance—but it's less likely since no clinical or laboratory findings support it, Dr. Adler and his colleagues said.

They said they could not find in the English literature a description of EGNR bacteremia as a complication of rotavirus

One of their patients, for example, was a healthy 9-month-old boy, admitted after 1 day of vomiting and diarrhea. On admission, he was afebrile and appeared lethargic and moderately dehydrated.

The child had normal blood count and electrolytes, urea 53 mg/dL, mild metabolic acidosis and normal urine analysis. His general condition improved after treatment with intravenous fluids. His diarrhea continued, but vomiting subsided. Stool bacterial cultures were negative, and rotavirus antigen was detected in his stool.

On the third day of hospitalization, his temperature rose to 39.5° C, and he became more lethargic.

A plain abdominal radiograph showed intraluminal air in the small bowel (pneumatosis intestinalis) without free air or intraportal gas. Abdominal ultrasound appeared normal. Laboratory analysis showed white blood cell counts of 14,400 cells/µL with 9% bands and 59% neutrophils, urea 15 mg/dL, pH 7.37, partial pressure of carbon dioxide 20.7 mm Hg, bicarbonate 11.8 mmol/L, and normal U/A.

The infant was treated with intravenous piperacillin-tazobactam, and oral feeding was discontinued. His fever resolved, and his general condition improved. Klebsiella pneumoniae was recovered from the blood culture and was sensitive to cephalosporins, aminoglycosides, trimethoprimsulfamethoxazole, and amoxicillin-clavu-

After 4 days of fasting, the infant began receiving semi-elemental nutrition. The infant completed 10 days of intravenous antibiotics and resumed a normal diet by the 13th day of hospitalization. He was discharged and appeared to be in excellent health at follow-up 1 month later.

PREVACID® (lansoprazole) Delayed-Release Capsules

PREVACID® (lansoprazole) For Delayed-Release Oral Suspension

PREVACID® SoluTab™ (lansoprazole) Delayed-Release Orally

VACID Delayed-Release Capsules, PREVACID SoluTab Delayed-Release Orally ntegrating 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
DEVACINIAmovicillin/clarithromycin

Triple Therapy: PREVACID/amoxicum/rusarumomysm.
Dual Therapy: PREVACID/amoxicilim
Who are either allergic or intolerant to clarithromycin or in whom resista
clarithromycin is known or suspected.

clarithromycin is known or suspected.

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

Short-Term Treatment (up to 8 weeks) of Active Benign 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 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.

Gastreesphageal Reliux Disseas (CERD)
Short-Term Treatment of Symptomatic GERD)
Short-Term 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 terrolment. If there is a recurrence of erosive esophagitis an additional 8-week course of PREVACID may be considered.

Maintenance of Healing of Erosive Esophagitis

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

Pathological Hypersecretory Conditions Including Zollinger-Ellison Syndrome

Pathological Hypersecretory Conditions Including Zollinger-Ellison Syndrome
CONTRAINDICATIONS
PREVACID is contraindicated in patients with known hypersensitivity to any component of the formulation of PREVACID.
Amoxicillin is contraindicated in patients with a known hypersensitivity to any penicillin.
Clarithromycin is contraindicated in patients with a known hypersensitivity to catthromycin is contraindicated in patients with a known hypersensitivity to catthromycin eyithromycin, and any of the macroidle antibiotics.
Concomitant administration of clarithromycin with cisapride, pimozide, astemizole, or terfenadine is contraindicated. There have been post-marketing reports of drug interactions when clarithromycin and/or eyithromycin and condaministeral with cisapride, pimozide, astemizole, or terfenadine resulting in cardiac arrhythmias (OT prolongation, ventricular idivilation, and torsades de pointes) most likely due to inhibition of metabolism of these drugs by erythromycin and clarithromycin. Fatalities have been reported.

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

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

\*\*\*INTERPRESCRIBING INFORMATION\*\*

\*\*\*INTERPR

DOUNTS WIILL I AMAN CLARITHROWTCIN, THE PATIENT SHOULD BE APPHISED OF THE POTENTIAL HAZARD TO THE FETUS. (SEE WARMINGS IN PRESCRIBING INFORMATION FOR CLARITHROMYCIN.)

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 threatening. Therefore, it is important to consider this diagnosis in patients who present with diarnhea 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 nab been established, therapeutic neasures should be initiated. Mild cases of pseudomembranous colitis usually respond to discontinuation of the drug alone. In moderate to severe cases, consideration should be given to management with fluid cases of pseudomembranous colitis usually respond to discontinuation of the drug alone. In moderate to severe cases, consideration should be given to management with fluids and electrolytes, prodein supplementation, and treatment with an antibacterial drug clinically effective against Clostridium difficile colitis.

Serious and occasionally flatal hypersensitivity gractions reported in judicinials with a history of peniciliin hypersensitivity and/or a history of sensitivity to multiple alergens. There have been well-documented reports of individuals with a history of peniciliin hypersensitivity and/or a history of sensitivity to multiple alergens. There have been well-documented reports of individuals with a history of peniciliin hypersensitivity reactions who have experienced severe hypersensitivity reactions been reported to individuals with a history of peniciliin hypersensitivity and/or a history of sensitivity to multiple alergens. There have been well-documented reports of individua

PRECAUTIONS
General
Symptomatic response to therapy with lansoprazole does not preclude the presence of

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

rics: Contains Phenylalanine 2.5 mg per 15 mg Tablet and 5.1 mg per

1. PREVACID Delayed-Release Capsules

PREVACID Delayed-Release Capsules should be swallowed whole.

Alternatively, for patients who have difficulty swallowing capsules, PREVACID DelayedRelease Capsules can be opened and administered as follows: Open capsule.

Sprinkle intact granules on one tablespoon of either applesauce, ENSURE® pudding, cottage cheese, yogurd 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 epoie, traingle face or wanted place an administrated as notions.

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

• Mix briefly.

• Swallow 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 FOODS AND LIQUIDS HAS NOT BEEN STUDIED CLINICALLY AND IS THEREFORE NOT RECOMMENDED.

PEPEVACID Solurab 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, PEPEVACID Solurab can be delivered in two different ways.

PREVACIO SoluTab can be delivered in two different ways.

PREVACIO SoluTab — Oral Syringe, PREVACIO SoluTab can be administered as follows:

Paleca 15 ng hablet in oral syringe and draw up approximately 4 nnL of water, or place a
30 ng tablet in oral syringe and draw up approximately 10 mL of water.

Shate genthy callow for a quick dispersal.

After the tablet has dispersed, administer the contents within 15 minutes.

Refill the syringe with approximately 2 mL (5 mL for the 30 mg tablet) of water, shake gently, and administer any remaining contents.

incidence rates of adverse events and laboratory test abnormalities are also similar to those seen in younger patients. For elderly patients, dosage and administration of lansoprazole need not be altered for a particular indication. EVACID SoluTab – Nasogastric Tube Administration (≥ 8 French)
administration via a nasogastric tube, PREVACID SoluTab can be administered as For administration via a inassignation of the follows:

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 minutes.

ADVERSE REACTIONS

Clinical
Worldwide, over 10,000 patients have been treated with lansoprazole in Phase 2-3 clinical
Worldwide, over 10,000 patients have been treated with lansoprazole in Phase 2-3 clinical
tribals involving various dosages and durations of treatment. The adverse reaction profiles for
PREVACID Delayed-Release Capsules and PREVACID for Delayed-Release Oral Suspension
are similar. In general, lansoprazole treatment has been well-tolerated in both short-term
and long-term trials.
The following adverse events were reported by the treating physician to have a possible or
probable relationship to drug in 1% or more of PREVACID-treated patients and occurred at
a greater rate in PREVACID-treated patients.

Incidence of Possibly or Probably

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
Headache was also seen at greater than 1% incidence but was more common on placebo.		

Headache was also seen at greater than 1% incidence but was more common on placebo. The incidence of diarrhea was similar between patients who received placebo and patients who received lansoprazole 6 mg and 30 mg, but higher in the patients who received lansoprazole 6 mg (2.9%, 1.4%, 4.2%, and 7.4%, respectively). The most commonly reported possibly or probably treatment-related adverse event during maintenance therapy was diarrhea in the risk reduction study of PREVACID for NSAID-associated gastric ulcers, the incidence of diarrhea for patients treated with PREVACID was 5%, misoprostol 22%, and placebo 3%. Additional adverse experiences occurring in <1.7% of patients or subjects in domestic trials are shown below. Refer to **Postmarketing** for adverse reactions occurring since the drug was marketed.

Additional adverse experiences occurring in <1% of patients or subjects in domestic trials are shown below. Refer to Postmarketing for adverse reactions occurring since the drug was marketed.

Body as a Whole – abdomen enlarged, altergic reaction, asthenia, back pain, candidiasis, carcinoma, chest pain (not otherwise specified), chillis, edema, fever, flu syndrome, halftosis, infection (not otherwise specified), chillis, edema, fever, flu syndrome, halftosis, infection (not otherwise specified), malaise, neck pain, neck rigidity, pain, pelvic pain; Cardiovascular System – angina, arrhythmia, bradycardia, cerebrovascular accident/cerebral infarction, happerension/hypotension, migraine, myocardial infarction, palpitations, shock (circulatory failure), syncope, tachycardia, vasodidition; Digestive System – abnormal stools, anorexia, bezoar cardiopsasm, choletihasis, colitis, dry mouth, dyspepsia, dysphagia, enteritis, erucutation, esophageal stenosis, esophageal ulcer, esophagitis, fecal discoloration, fatulence, gastrior noduels/mulic (pland polysy, gastritis, gastrointestinal anomaly, gastrointestinal disorder, gastrointestinal anomany, gastrointestinal disorder, gastrointestinal memorrhage, glossitis, gum hemorrhage, hematemesis, increased appetite, increased aplaintoin, melena, mouth ulceration, nausea and vomitting, nausea and vomitting and diarrhea, oral moniliasis; rectal and lymphatic (System - arbanis, hemolysis, himphatenopathy, Metabolic and Mutritional Disorders – goul, dehydration, hyperdycemia/hypogycemia, peripheral edema, weight painloss. Muccuscoketelad System – arbanis, hemolysis, hymphatenopathy, Metabolic and Mutritional Disorders—goul, dehydration, hyperdycemia/hypogycemia, peripheral edema, weight gainloss, shuccuscoketelad System – arbanis, arbanis, arbanis, arbanis, arbanis, arbanis

Postmarketing
On-going Satety Surveillance: Additional adverse experiences have been reported since
lansoprazole has been marketed. The majority of these cases are foreign-sourced and a
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 listed below by COSTART body system. Pepatotoxicity, pancreatifs, Body as a Whole- anaphylactoid-like reaction; Digestive System - hepatotoxicity, pancreatifs, wording; Harine and Lympaties System - agranulocytosis, aplastic anemia, hemolytic anemia, leukopenia, neutropenia, pancytopenia, thrombocytopenia, and thrombotic thrombocytopenio purpura; Skin and Appendages - severe dermatologic reactions including erythema multiforme, Stevens-Johnson syndrome, toxic epidermal necrolysis (some fatal); Special Senses - speech disorder, Urogenial System - urlnary retention. Combination Therapy with Amouticillia and Clarithromycin. In clinical trials using combination therapy with 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 Carithromycin. Triple Therapy: PREVACID/amoxicillin/clarithromycin 14 days were diarrhea (7%), headache (6%), and taste perversion (5%). There were no statistically significant differences in the frequency of reported adverse events between the 10- and 14-day triple therapy regimens. No treatment-emergent adverse events between the 10- and 14-day triple therapy regimens. No treatment-emergent adverse events between the 10- and 14-day triple therapy regimens. No treatment-emergent adverse events between the 10- and 14-day triple therapy regimens. No treatment-emergent adverse events between the 10- and 14-day triple therapy days than with any dual therapy regimen. Dual Therapy: PREVACID/amoxicillin.

observed at significantly inglier rates with triple therapy than with any dual therapy. PelPACID/Jamosciollinin
The most frequently reported adverse events for patients who received PREVACID t.i.d. plus amoxicillin t.i.d. dual therapy were diarrhea (8%) and headache (7%). No treathment emergent adverse events were observed at significantly higher rates with PREVACID t.i.d. plus amoxicillin t.i.d. dual therapy than with PREVACID alone.
For more information on adverse reactions with amoxicillin or clarithromycin, refer to their package inserts, ADVERSE REACTIONS sections.

nts: normal liver function tests, increased SGOT (AST), increased SGPT (ALT), increased attitine, increased alkaline phosphatase, increased globulins, increased GGTP, eased/decreased/abnormal MBC, abnormal AG ratio, abnormal ABC, billirobinemia, inophilia, hyperlipemia, increased/decreased/electrolytes, increased/decreased/abnormal electrolytes, increased/decreased/abnormal elests, and increased glucocorticoids, increased LDH, increased/decreased/abnormal elests, and increased gastrin levels. Unite abnormalities such as albumiumica, glycosuria, hematuria were also reported. Additional isolated laboratory abnormalities were noted.

reported.

In the placebo controlled studies, when SGOT (AST) and SGPT (ALT) were evaluated, 0.4% (4978) 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 jundice at any time during the study. In clinical trials using combination therapy with PREVACID plus amoxicillin, on increased ladoratory abnormalities particular to these drug combinations were observed.

For more information on laboratory value changes with amoxicillin or clarithromycin, refer to their package inserts, ADVERSE REACTIONS section.

to their package inserts, ADVERSE REACTIONS section.

OVERDOSAGE

O'Raid doses up to 5000 mg/kg in rats (approximately 1300 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 hemodalysis. In one reported case of 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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Ref. 03-5366-R24 Rev. July, 2004

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

Use in Geriatric Patients
Ulcer healing rates in elderly patients are similar to those in a younger age group. The

patients 1 to 11 years of age (N=66) were consupation of the 17 years of age and the second of PREVACID belayed-Release Capsules has been assessed in these 87 adolescent patients. Of the 87 adolescent patients with GERD, 8% (5/87) took PREVACID for c4 weeks, 39% (8/187) for 6-1 weeks, and 1% (1/87) for 5-10 weeks. The most frequently reported (at least 3%) treatment-related adverse events in these patients were headache (7%), adoptional pain (5%), nausea (3%), and dizziness (3%). Treatment-related dizziness, reported in this study by 3 adolescent patients with onerosive GERD, who had dizziness concurrently with other events (such as migraine, dyspnea, and vomitting).