3.62 kg) (Gut 2005;54:540-5).

vival occurred.

such patients.

2005;61:376-7).

added.

tween the 12 remaining thalidomide patients (mean loss of 0.06 kg) and 8 re-

maining placebo patients (mean loss of

Compared with placebo patients, those

who took thalidomide had lost signifi-

cantly less bone-free arm muscle area at

week 4 (average gain of 1 cm<sup>3</sup> vs. average

loss of 4.6 cm<sup>3</sup>) and week 8 (loss of 0.5

cm<sup>3</sup> vs. loss of 8.4 cm<sup>3</sup>). Global health

scores and physical functioning did not

differ significantly between the two

groups. No significant difference in sur-

**Colonic Biopsies in Chronic Diarrhea** 

About 80% of chronic diarrhea patients with no abnormalities on colonoscopy

undergo colonic biopsy, according to the

largest study to examine the biopsy rate in

Of 5,565 patients with no colonoscopic

abnormality, 4,410 had colonoscopic biop-

sy during 2000-2003; they were treated by

580 GI specialists in 24 states, reported

Gavin C. Harewood, M.D., of the Mayo

Clinic, Rochester, Minn., and his associates (Gastrointest. Endosc. 2005;61:371-5). Expert consensus says that all chronic diarrhea patients with normal endoscopic

findings should have the colon biopsied to

look for microscopic colitis. Sigmoidoscopy may be most appropriate for

young patients with chronic watery diar-

rhea without blood or pus in the stool who

do not have irritable bowel syndrome by

clinical criteria, suggested Lawrence R.

Schiller, M.D., of Baylor University, Dallas,

Tex., in an editorial (Gastrointest. Endosc.

Colonoscopy with biopsy of the left

and right colon would be appropriate for

older patients (because they have a high-

er risk of colonic or ileal pathology) or any

patient with alarming findings, Dr. Schiller

**Cetuximab in Metastatic Colorectal Ca** Cetuximab appears to yield the same response rate in metastatic colorectal tumors that test negative for epidermal

growth factor receptors as it does in its original target population-patients who

The review of 16 EGFR-negative patients with metastatic colorectal cancer

was conducted by Ki Young Chung, M.D.,

and colleagues at Memorial Sloan-Ket-

tering Cancer Center, New York. Cetux-

imab (Erbitux) was used alone in 2 pa-

tients and in combination with irinotecan

The findings suggest that "as currently

used, immunohistochemistry testing for

EGFR expression is a poor screening

method for identifying patients with colo-

rectal cancer who will not respond to ce-

tuximab therapy," wrote Neal J. Meropol,

M.D., of Fox Chase Cancer Center,

Philadelphia, in an editorial (J. Clin. Oncol. 2005;23:1791-3). Four patients experi-

enced a partial response of greater than 50% reduction in the size of measurable

lesions, whereas two patients had minor

responses, with 32% and 39% reductions.

nancial interests in the form of research

funding or consultant or advisory roles

with ImClone Systems, which markets

—Jeff Evans Pages 62a-62bt

Some of the investigators reported fi-

test positive for the receptor.

in 14 patients.

cetuximab.

# **C**LINICAL

### H. Pylori Infection, Esophageal Ca

Infection with Helicobacter pylori in individuals younger than 50 years is associated with a fivefold lower likelihood of developing esophageal adenocarcinoma than in those without the infection, according to a nested case-control study.

In addition to H. pylori negativity, overweight (body mass index of 25 kg/m2 or higher) and a history of ever smoking were found to be independent risk factors for development of the cancer in the study of 51 individuals who had esophageal adenocarcinoma and 149 control

## CAPSULES

patients (J. Infect. Dis. 2005;191:761-7).

Catherine de Martel, M.D., of Stanford (Calif.) University, and her associates selected the participants from a cohort of more than 128,000 patients in the Kaiser Permanente Health Care Program in northern California.

The inverse association between H. pylori positivity and esophageal adenocarcinoma-which was not significant in patients older than 50 years-remained significant after adjustment for body mass index, cigarette smoking, and education level.

### **Thalidomide Limits Cancer Cachexia**

Thalidomide therapy significantly reduced further loss of body weight and lean muscle mass in advanced pancreatic cancer patients with cachexia, reported John N. Gordon, M.B.B.S., and his colleagues at the Southampton General Hospital (England).

In a randomized double-blind trial, patients received either 200 mg thalidomide daily or placebo. After 4 weeks, weight had changed significantly less for 17 thalidomide patients than for 16 placebo patients (mean gain of 0.37 kg vs. mean loss of 2.21 kg). This difference was still significant after 8 weeks be-

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

**PREVACID**<sup>®</sup> (lansoprazole) Delayed-Release Capsules PREVACID® (lansoprazole) For Delayed-Release Oral Suspension PREVACID<sup>®</sup> SoluTab<sup>™</sup> (lansoprazole) Delayed-Release Orally Disintegrating Tablets

Rx only PREVACID Delayed-Release Capsules, PREVACID SoluTab Delayed-Release Orally Disintegrating Tablets and PREVACID For Delayed-Release Oral Suspension are indicated

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

Short-Term Treatment (4 weeks) of Active Duodenal Ulcer H. pylori Fradication to Reduce the Risk of Duodenal Ulcer Recurrence Triple Thrangy: PREVACID/amoxicillin/clarithromycin Dual Therapy: PREVACID/amoxicillin/clarithromycin or in whom resistance to 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 Healing of NSAD-Associated Gastric Ulcer In patients who continue NSAID use. Controlled studies did not extend beyond 8 weeks. In patients with common reserve use. Commone source out not extend beyond a 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.

Gastroesophageal Reflux Disease (GERD)

basicesponjegen inclus Josepse (LLID) Sinot-Term Treatment of Symptomatic GERD Sinot-Term Treatment (up to 8 weeks) of Erosive Esophagitis For patients who do nch havi with RFCVACID 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 4 weeks course of RFLVACID may be considered.

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

Pathological Hypersecretory Conditions Including Zollinger-Ellison Syndrome

Pattorugiual type-towards, the contraining of the c

The commutation of Preventue. A moxicillin is contraindicated in patients with a known hypersensitivity to any penicillin. Clariffromrycin explormorycin, and any of the macrofile antibiotics. Concomitant administration of clariffromrycin with cisapide, pimozide, astemizole, or terfenadine is contraindicated. There have been post-marketing reports of drug interactions when clarifytemycin and/or erythromycin are co-administered with clsapride, pimozide, astemizole, or terlenadine resulting in cardiac arrhythmias (OT prolongation, ventricular tachycardia, ventricular fibrillation, and torsadse 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

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

FOR CLARTHROMVCIN.) Pseudomembranous schlitis 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 diarrhes subsequent to the administration of antibacterial agents. Treatment with antibacterial agents alters the normal flora of the colon and may permit voergrowth of cloridina. Studies indicate that a toxin produced by *Clositiuum 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, to moderate to severe cases considerations should he

measures should be initiated. Mild cases of pseudomembranous colitis usually respond to discontinuation of the way alone. In moderate to severe cases, consideration should be given to maragement with fluids and electrolytes, protein supplementation, and treatment with an antibacterial drug clinically effective against *Clostribium difficile* colitis. Serious and occasionally fatal hypersensitivity (nanphylactic) reactions have been reported in patients on penicillin thypersensitivity (nanphylactic) reactions have been reported in patients on penicillin thypersensitivity (nanphylactic) reactions have been reported hypersensitivity reactions who wave experienced severe hypersensitivity (nations when threated with a cephalosporin. Before initiating therapy with any penicillin, careful inquiry should be made concerning previous hypersensitivity reactions to penicillins, cephalosporins, and other allergens. If an allergic reaction occurs, amoxicillin should be discontinued and the appropriate therapy instituted. SERIOUS AUAPHYLACTIC REACTIONS REQUIRE IMMEDIATE EMERGENCY TREATMENT WTIT F PINEPHNINE. OXYGEN, INTRAVENOUS STERDIOS, AND AIRWAY MANAGEMENT, INCLUDING INTRAVIDALISD BE ADMINISTERD AS INDICATED.

WITH EPINEPHRINE. OXYGEN, INTRAVENOUS STEROIDS, AND AIRWAY MA INCLUDING INTUBATION, SHOULD ALSO BE ADMINISTERED AS INDICATED.

### PRECAUTIONS General

Symptomatic response to therapy with lansoprazole does not preclude the presence of gastric malignancy.

Intormation for Patients PREVADID 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. DireveCu. 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:

Open capsule. • Sprinkle intact granules on one tablespoon of either applesauce, ENSURE<sup>®</sup> pudding, cottage cheese, yogurt or strained pears. Swallow immediately

ase Cansules may also be emotied into a small volume ) Delaved-Rel apple juice, orange juice or tomato juice and administered as follows: • Open capsule. • Sprinke intact granules into a small volume of either apple juice, orange juice or tomato juice (60 mL – approximately 2 ounces). • Nick briefly.

• Mix brefty. • 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. 2 PREVACID SoluTah Delaved-Release Orally Disintegrating Tablets

VACID SoluTab should not be chewed. Place the tablet on the tongue and allow it to ntegrate, 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 SoluTab – Oral Syringe

The problem of the pr

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

PREVACID SoluTab – Nasogastric Tube Administration (≥ 8 French) For administration via a nasogastric tube, PREVACID SoluTab can be administered as 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, nject through the nasogastric tube into the stomach within

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 REVACID for Delayed-Release Oral Suspension should be administered as follows Open packet.

Open packet.
 To prepare a dose, empty the packet contents into a container containing 2 tablespoons of
WATEN. DO NOT USE OTHER LIQUIDS OR FOODS.
 Stir well, and drink immediately.
 This product should not be given through enteral administration tubes.
 This product should not be given through enteral administration tubes.

• This product should not be given through enteral administration tubes. Drug Interactions Lansoprazole is metabolized through the cytochrome  $P_{450}$  system, specifically through the CYP3A and CYP2C19 isozymes. Studies have shown that lansoprazole does not have chically significant interactions with other drugs metabolized by the cytochrome  $P_{450}$ system, such as warfarin, antipyrine, indomethacin, iburyofen, phenytoin, propratoilo, predinsione, diazepan, or clarithromycin in healthy subjects. These compounds are metabolized through various cytochrome  $P_{450}$  Isozymes including CYP142, CYP220 (CYP2C19, CYP2C6, and CYP3A. Mhen lansoprazole was administered concomitantly with theophylline (CYP142, CYP2A), a minor increase (10%) in the clearance of theophylline clearance, this interaction is unlikely to be of clinical concern. Nonetheless, individual patients may require additional titration of their theophylline clearance, the adult with theophylline tors, increase in stand manchine is started or stopped to ensure clinically effective blood levels. In a study of healthy subjects come their the namescinetics of variani negativeness.

In a study of healthy subjects neither the pharmacokinetics of warfarin enantiomers no In a study of healthy subjects neither the pharmacokinetics of warfarin enantiomers nor porthormbin time were affected following single or multiple 60 mg doess of lansoprazole. However, there have been reports of increased international Normalized Ratio (INR) and porthormbin time in patients receiving proton pump inhibitors; suchding lansoprazole, and warfarin concomitantly. Increases in INR and prothormbin time may lead to abnormal bleeding and even death. Patients treated with proton pump inhibitors and warfarin concomitantly may need to be monitored for increases in INR and prothormbin time. Lansoprazole has also been shown to have no clinically significant interaction with amoxiditin a single-does crossover study examining lansoprazole 30 mg and omeprazole 20 mg each administered alone and concomitantly with sucrafate t gram, absorption of the proton pump inhibitors was delayed and their bioavailability was reduced by 17% and 16%, respectively, when administered concomitantly with sucrafate. Therefore, proton pump inhibitors such be taken al least 30 minutes prior to sucrafate. In clinical trias, antacids were administered concomitantly with PREVACID Delayed-Release Capsules; this did not interfere with its effect.

Were auministered concuminating with the region backgore indexed capacity, and 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 pH is an important determinant of bioavailability (e.g., ketoconazole, ampicilin esters; iron salts, digoxin).

Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogeness, mutageness, impaintent or reminy in two 24-montk carcinogenicity studies, Spraye-Davley rats were treated orally with doese of 5 to 150 mg/kg/day, about 1 to 40 times the exposure on a body surface (mg/m<sup>2</sup>) basis, of a 30-Kg person of a vergene height (14 6 m<sup>2</sup>, body surface area) given the recommended human dose of 30 mg/kg/(22,2 mg/m<sup>2</sup>), Lansoprazole produced doe-related gastrie entrochromafin-like (ECL) cell hyperplasia and ECL cell carcinoids in both male and female rats. It also increased the incidence of intestinal metaplasia of the gastrie phthelium in bosers. In main etas, lansopracele produced a dose-related increase of puteriumi in uom sexes, in mare rais, larisoprazor produced a dos-related microse o stocular interstitula cell adenomas. The incidence of these adenomas in rats receiving doses f 15 to 150 mg/kg/day (4 to 40 times the recommended human dose based on body urates areal exceeded the low background incidence (range = 1.4 to 10%) for this strain of t. Testicular interstitula cell adenoma also occurred in 1 of 30 rats treated with

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 l-year toxicity study. In a 24-month carcinogenicity study, CD-1 mice were treated orally with doses of 15 to 600 mg/kg/day, 21 to 80 times the recommended human dose based on body surface area. Lansoprazole produced a dose-related increased incidence of gastric ECL cell hyperplasia. It also produced an increased incidence of liver tumors (hepatocellular adenoma plus carcinoma). The tumor incidences in male mice treated with 300 and 600 mg/kg/day (40 to 80 times the recommended human dose based on body surface area) and female mice treated with 150 to 600 mg/kg/day (20 to 80 times the recommended human dose based on roby this strain of mice. Lansoprazole treatment produced adenoma of relate tiss in male mice receiving 75 to 600 mg/kg/day (10 to 80 times the recommended human dose based on ody surface area).

Joury survay 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 cell hromosomal aberration test. It was positive in *in vitro* human lymphocyte chromosomal horrorison sectors.

aberration assays. Lansoprazole at oral does 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 Cratogenic Effects. Pregnancy Category B

Lansoprazione Treatology studies have been performed in pregnant rats at oral doses up to 150 mg/kg/day (40 times the recommended human dose based on body surface area) and pregnant rabitis 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. iansoprazole. 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 Carithromvin

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

Nursing Mothers

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

and effectiveness of PREVACID have been established in pediatric patients 1 to 7 years of age for short-term treatment of symptomatic GERD and erosive esophagitis. Use of PREVACID in this population is supported by evidence from adequate and well-controlled studies of PREVACID in adults with additional clinical, pharmacokinetic, and pharmacodynamic studies performed in pediatric patients. The adverse events profile in

promote use the sense performed in performing the performance patients. The adverse events profile in pediatric patients is similar to that of adults. There were no adverse events reported in U.S. clinical studies that were not previously observed in adults. The safety and effectiveness of PREVACID in patients <1 year of age have not been established.

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 it for 12 weeks. institute of the second and to a close of town in the terms. most frequently reported (2 or more patients) treatment-related adverse events in ts 1 to 11 years of age (N=66) were constipation (5%) and headache (3%).

patients 1 to 11 years or age (re-us, re-us) **12 to 17 years of age** The safety of PREVACID Delayed-Release Capsules has been assessed in these 87 adolescent patients. Of the 87 adolescent patients with GERD, 6% (5/87) took PREVACID for 45 weeks, 53% (8/187) for 6-10 weeks, and 1% (1/87) for 5-10 weeks. The most frequently reported (at least 3%) freatment-related adverse events in these patients were headache (7%), adominal pain (5%), nause ad(3%) and dizziness (3%). Treatment-related diziness, reported in this package insert as occurring in c.1% of adult patients, was reported in this study by 3 adolescent patients with nonerosive GERD, who had dizziness concurrently with other events (such as migraine, dysprea, and vomitting). Here in Women

Use in Women Over 4,000 women were treated with lansoprazole. Ulcer healing rates in females were similar to those in males. The incidence rates of adverse events were also similar to those Use in Geriatric Patients healing rates in elderly patients are similar to those in a younger age group. The

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. ADVERSE REACTIONS

Cunical Worldwide, over 10,000 patients have been treated with lansoprazole in Phase 2-3 clinical trials involving various dosages and durations of treatment. The adverse reaction profiles for PRVADID Delyed-Release Cargouises and PRFVACID for Delyed-Release Oral Suspension are similar. In general, lansoprazole treatment has been well-tolerated in both short-term and long-term trials. 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 than placebo-treated patients:

Incidence of Possibly or Probably Treatment-Related Adverse Events in Short-Term, Placebo-Controlled Studies

(N= 2768)	(N= 1023) %
2.1	1.2
1.0	0.4
3.8	2.3
1.3	1.2
	(N= 2768) % 2.1 1.0

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 15 mg and 30 mg, but higher in the patients who received lansoprazole 60 mg (29%, 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 for NSAID-associated gastric ulcers, the incidence of diarrhea for patients treated with PREVACID for NSAID-associated gastric ulcers, the incidence of diarrhea for patients treated with PREVACID as 5%, misoprostol 22%, and placebo 3%. 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.

was marketed. Body as a Whole – abdornen enlarged, allergic reaction, asthenia, back pain, candidiasis, carcinoma, chest pain (not otherwise specified), chilis, edema, tever, flu syndrome, halitosis, infection (not otherwise specified), malaise, neck pain, neck rigidity, pain, pelvic pain; cardiovascular System - anjna, arriythmia, hazdyardia, cerebrovascular accident/crebral infarction, hypertension/hypotension, migraine, myocardial infarction, palpitations, shock (circulatory falurle), syncope, tachcyardia, vasobisis, esophagel ationsis, seophagel ationsis, seophagel ationsis, seophagel ationsis, seophagel ationsis, esophagel ationed interror esophagel ationsis, esophagel atione, orgationitestinal disorder, gastrinitestinal ationare, gastrinitestinal anomaly, gastrointestinal monary, gastrointestinal meorrage, elossitis, gum hemorrhage, hematemesis, increased appetite, increased salivation, melena, muthi ulceration, nause and vomitino, and idarithea, enalt moriliasis, rectal gum hemorrhage, hemädemesis, increased appette, increased salivation, melena, mouth uiceration, nausea and vomiting, nausea and vomiting, and diarrhae, oral moniliasis, rectal disorder, rectal hemorrhage, stomattils, tensemus, thirst, tongue disorder, uicerative solitis, uicerative solmattis; *Endocrine's* System - diabetes mellitus, goiter, hypothyroidism; *Hemic and Lymphatic System* - anemia, hemolysis, lymphadenopathy. *Metabolic and Nutrificoal Disorders - gout*, dehydration, hyperdybenathyhpogyloemia, peripheral edema, weight gain/oss; *Musculoskeletal System* - arthralgia, arthritis, bone disorder, joint disorder, leg eramps, musculoskeletal System - anthralgia, mystemis, synowitis, Revrous System - anhormal dreams, agitation, amnesia, anxiety, apathy, confusion, convulsion, depersonilazion, hostility dreams, agitation, annesia, anxiety, apathy, contrusion, convulsion, depresonilization, depression, dipola, dizzinese, ennotional lability, hallucinations, hemiplegia, hostility aggravated, hyperkinesia, hypertonia, hypesthesia, insomina, libido decreased/increased, nervousnese, neurosis, parsethesia, sleep disorder, somolence, tinking abnormality, tremor, vertigor, *Respiratory System* - asthma, bronchitis, cough increased, dyspnae, epistaxis, hemopolysis, hiccup, lanyogala neoplasia, harvngitis, pleural disorder, pneumonia, respiratory disorder, upper respiratory inflammation/infection, rhinitis, sinusitis, stridor, *Skin and Appendages* - acne, alorgeica, contard termatitis, dry skin, fixed entpion, hair disorder, maculopapular rash, nail disorder, prurtus, rash, skin carcinoma, skin disorder, sveatina, unicrai: *Specid Senses* - abnormal vision, blirrer disorder, maculopapular rash, nail disorder, puritus, rash, skin carcinoma, skin disorder, svæding, urticaris. Special Senses – abnormal vision, blurred vision, conjunctivitis, deafness, dry eyes, kar disorder, eye pain, ottis media, parosmia, photophola, retina degeneration, tasto loss, taste peurversion, linnitis, visual field diefect. Urogenial System abnormal menses, breast enlargement, breast pain, breast tenderness, dysmenorrhag, menstrual disorder, pensi disorder, polyura, testis disorder, urethrat pain, urinary frequency, urinary tract intection, urinary urgency, urination impaired, vaginitis. Postmarketing Desention States (unumilitiese Additional et al.)

Postmarketing On-going Sately 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 opolutation of nunknown size, estimates of frequency cannot be made. These events are listed below by COSTART body system.

Inese events are listed below by USUAH I body system. Body as a Whole-anaphylacid-like reaction; Digestie System - hepatotoxicity, pancreatilis, vomiting; Hemic and Lymphatic System - agranulocytosis, aplastic anemia, hemotytic anemia, leukopenia, neutropenia, apacytopenia, thrombocytopenia, and thrombotic thrombocytopenic purpura; Skin and Appendages - severe dematologic reactions including erythema multiforme; Sverens-Johnson syndrome, toxic epidermal necrolysis (some tata); Special Senses - speech disorder, Urogenial System - urinary retention.

Special Senses - speech disorder, Urogenial System - urinary retention. Combination Therapy with Amozicillin and Carithromycia 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. Tripe Therapy, PREVACID/amoxicillin/clarithromycin The most frequently reported adverse events for patients who received triple therapy for 4 days were darhea(herg), and tasks perversion (5%). There were no statistically significant differences in the frequency of reported adverse events between the 0-and 14-day triple therapy regimens. No treatment-emergent adverse events between the observed at significantly higher rates with triple therapy than with any dual therapy regimen. Nual Theraon-PEN/ACID/amoxicillin Dual Therapy: PREVACID/amoxicillin

Usal interapy: PHEVACID/amoxicum The most frequently reported adverse events for patients who received PREVACID Li.d. plus amoxicilin Li.d. dual therapy were diarrhea (8%) and headache (7%). No treatment-emergent adverse events were observed at significantly higher rates with PREVACID Li.d. plus amoxicilin Li.d. dual therapy than with PREVACID alone. For more information on adverse reactions with amoxicillin or clarithromycin, refer to their ackage inserts, ADVERSE REACTIONS sections.

Laboratory Values The following changes in laboratory parameters for lansoprazole were reported as adverse wents: Abnormal liver function tests, increased SGOT (AST), increased SGPT (ALT), increased for the second alphuling increased GGTP. Fantinia ilor tanada di alta desta de la conservación de la conserv

platelets, and increased gastrin levels. Urine abnormalities such as albuminuria, glycosuria, and hematuria were also reported. Additional isolated laboratory abnormalities were

and relinational verse also reported resonant isolation and SEPT (ALT) were evaluated, 0.4% (4/978) 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 earthfromycin, and PREVACID plus amoxicillin, no increased latoratory abomramilities 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.

OVERDOSAGE Oral doses up t to 5000 mg/kg in rats (approximately 1300 times the recommended human n body surface area) and mice (about 675.7 times the recommended human does 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.

For more detailed information, see full prescribing information or contact TAP Medical Information at 1-800-622-2011. MR030-0134

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Ref. 03-5366-R24 Rev. July, 2004 © 1995-2004 TAP Pharmaceutical Products Inc.

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