

Final Container Label for Esomeprazole Magnesium Delayed-Release Capsules, USP  
20 mg - 30's Count (Label Size: 130 X 42)

NDC 55111-492-30

**DR. REDDY'S**

**30 Capsules**

**Esomeprazole Magnesium  
Delayed-Release  
Capsules USP, 20 mg \***

**PHARMACIST:**  
Dispense the  
accompanying  
Medication Guide  
to each patient

Rx only


\*Each delayed-release capsule contains 20 mg of esomeprazole (present as 22.3 mg of esomeprazole magnesium trihydrate USP).  
Keep container tightly closed.

**USUAL ADULT DOSAGE:** See package insert.

Store at 20°-25°C (68°-77°F); [See USP Controlled Room Temperature].

I 0614

Mfr. By: Dr. Reddy's Laboratories Limited  
Bachupally - 500 090 INDIA



LOT  
EXP



(b) (4)

Final Container Label for Esomeprazole Magnesium Delayed-Release Capsules, USP  
40 mg - 30's Count (Label Size: 130 X 42)

NDC 55111-493-30

**30 Capsules**

**Esomeprazole Magnesium  
Delayed-Release  
Capsules USP, 40 mg \***

Rx only

**DR. REDDY'S**

**PHARMACIST:**  
Dispense the  
accompanying  
Medication Guide  
to each patient

\* Each delayed-release capsule contains 40 mg of esomeprazole (present as 44.5 mg of esomeprazole magnesium trihydrate USP).  
Keep container tightly closed.

**USUAL ADULT DOSAGE:** See package insert.

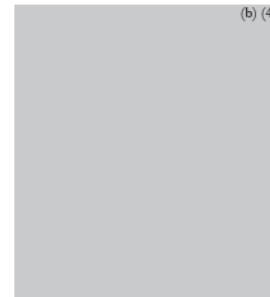
Store at 20°-25°C (68°-77°F); [See USP Controlled Room Temperature].

I 0614

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Bachupally - 500 090 INDIA



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Human gastric biopsy specimens have been obtained from more than 3,000 patients (both children and adults) treated with esomeprazole in long-term clinical trials. The incidence of ECL cell hyperplasia in these studies increased with time; however, no case of ECL cell carcinoma, dysplasia, or neoplasia has been found in these patients.

In over 1,000 patients treated with esomeprazole magnesium (10, 20 or 40 mg/day) up to 6 to 12 months, the prevalence of ECL cell hyperplasia increased with time and dose. No patient developed ECL cell carcinoma, dysplasia, or neoplasia in the gastric mucosa.

Endocrine Effects: Esomeprazole magnesium had no effect on thyroid function when given in oral doses of 20 or 40 mg. Other effects of esomeprazole magnesium on the endocrine system were assessed using esomeprazole sodium. Esomeprazole given in oral doses of 20 or 40 mg for 2 to 4 weeks had no effect on carbonyl metabolism, circulating levels of parathyroid hormone, cortisol, estradiol, testosterone, prolactin, cholestanol, or secretin.

12.3 Pharmacokinetics: Absorption: Esomeprazole magnesium delayed-release capsules contain a bioequivalent enteric-coated granule formulation of esomeprazole magnesium. Bioavailability is based on a single oral (40 mg) study in 14 healthy male and female volunteers under fasting conditions. After oral administration peak plasma levels (C<sub>max</sub>) occur at approximately 1.5 hours (T<sub>max</sub>). The C<sub>max</sub> increases proportionally when the dose is increased, and there is a three-fold increase in the area under the plasma concentration-time curve (AUC) from 20 to 40 mg. At repeated once-daily dosing with 40 mg, the systemic bioavailability is approximately 80% compared to 54% after a single dose of 40 mg. The mean exposure (AUC) to esomeprazole increases from 4.32 μmol·hr/L on Day 1 to 11.2 μmol·hr/L on Day 5 after 40 mg once daily dosing.

The AUC after administration of a single 40 mg dose of esomeprazole magnesium is decreased by 43% to 53% after food intake compared to fasting conditions. Esomeprazole magnesium should be taken at least one hour before meals.

The pharmacokinetic profile of esomeprazole magnesium was determined in 36 patients with symptomatic gastroesophageal reflux disease following repeated once-daily administration of 20 mg and 40 mg capsules of esomeprazole magnesium over a period of the days. The results are shown in the Table 4.

Table 4. Pharmacokinetic Parameters of Esomeprazole Magnesium on Day 5 Following Oral Dosing for 5 Days. Table with columns: Parameter (CV), Esomeprazole magnesium 40 mg, Esomeprazole magnesium 20 mg. Rows include AUC (μmol·h/L), Cmax (μmol/L), Tmax (h), and t1/2 (h).

\*Values represent the geometric mean, except the Tmax, which is the arithmetic mean; CV = Coefficient of variation

Distribution: Esomeprazole is 97% bound to plasma proteins. Plasma protein binding is constant over the concentration range of 2 to 20 μmol/L. The apparent volume of distribution at steady state in healthy volunteers is approximately 16 L.

Metabolism: Esomeprazole is extensively metabolized in the liver by the cytochrome P450 (CYP) enzyme system. The metabolites of esomeprazole lack antiserotonin activity. The major part of esomeprazole's metabolism is dependent upon the CYP 2C19 isoenzyme, which forms the hydroxy and desmethyl metabolites. The remaining amount is dependent on CYP 3A4 which forms the sulphone metabolite. CYP 2C19 isoenzyme exhibits polymorphism in the metabolism of esomeprazole, since some 3% of Caucasians and 15 to 20% of Asians lack CYP 2C19 and are termed Poor Metabolizers. At steady state, the ratio of AUC in Poor Metabolizers to AUC in the rest of the population (Extensive Metabolizers) is approximately 5.

Following administration of equimolar doses, the S- and R-isomers are metabolized differently by the liver, resulting in higher plasma levels of the S- than of the R-isomer.

Excretion: The plasma elimination half-life of esomeprazole is approximately 1 to 1.5 hours. Less than 1% of parent drug is excreted in the urine. Approximately 80% of an oral dose of esomeprazole is excreted as inactive metabolites in the urine, and the remainder is found as inactive metabolites in the feces.

Pharmacokinetics: Combination Therapy with Anticarbinals: Esomeprazole magnesium 40 mg once daily was given in combination with clarithromycin 500 mg twice daily and amoxicillin 1000 mg twice daily for 7 days to 17 healthy male and female subjects. The mean steady state AUC and Cmax of esomeprazole increased by 70% and 18%, respectively during triple combination therapy compared to treatment with esomeprazole alone. The observed increase in esomeprazole exposure during co-administration with clarithromycin and amoxicillin is not expected to produce significant safety concerns.

The pharmacokinetic parameters for clarithromycin and amoxicillin were similar during triple combination therapy and administration of each drug alone. However, the mean AUC and Cmax for 14-hydroxyclarithromycin increased by 19% and 22%, respectively, during triple combination therapy compared to treatment with clarithromycin alone. This increase is similar to 14-hydroxyclarithromycin is not expected to be clinically significant.

Concomitant Use with Clopidogrel: Results from a crossover study in healthy subjects have shown a pharmacokinetic interaction between clopidogrel (300 mg loading dose/75 mg daily maintenance dose) and esomeprazole (40 mg p.o. once daily) when co-administered for 30 days. Exposure to the active metabolite of clopidogrel was reduced by 35% to 44% over this time period. Pharmacodynamic parameters were also measured and demonstrated that the change in inhibition of platelet aggregation was related to the change in the exposure to clopidogrel active metabolite.

Concomitant Use with Mycophenolate Mofetil: Administration of esomeprazole 20 mg twice daily for 4 days and a single 1000 mg dose of MMF approximately one hour after the last dose of esomeprazole to 12 healthy subjects in a crossover study resulted in a 52% reduction in the Cmax and 23% reduction in the AUC of MMF.

Special Populations: Geriatric: The AUC and Cmax values were slightly higher (25% and 18%, respectively) in the elderly as compared to younger subjects at steady state. Dosage adjustment based on age is not necessary.

Pediatric (1 to 11 months of age): The pharmacokinetic parameters following repeated dose administration of 1 mg/kg esomeprazole in 1 to 11 month old infants are summarized in Table 5.

Table 5. Summary of PK parameters in 1 month to < 1 year Olds with GERD Following 7/8 Days of Once-Daily Oral Esomeprazole Treatment. Table with columns: Parameter, 1 mg/kg.

Table with columns: Parameter, 1 mg/kg. Rows include AUC (μmol·h/L), Cmax (μmol/L), Tmax (h), and t1/2 (h).

\*Geometric mean; \*\*Median

Subsequent pharmacokinetic simulation analysis showed that a dosage regimen of 2.5 mg once-daily for pediatric patients with body weight 3 to 5 kg, 5 mg once-daily for patients with body weight 5 to 12 kg would achieve comparable steady-state plasma exposures (AUC) to that observed after 10 mg in 1 to 11 year olds, and 20 mg once daily for 12 to 18 year olds as well as adults.

1 to 11 Years of Age: The pharmacokinetics of esomeprazole were studied in pediatric patients with GERD aged 1 to 11 years. Following once daily dosing for 5 days, the total exposure (AUC) for the 10 mg dose in patients aged 6 to 11 years was similar to that seen with the 20 mg dose in adults and adolescents aged 12 to 17 years. The total exposure for the 10 mg dose in patients aged 1 to 5 years was approximately 20% higher than the 10 mg dose in patients aged 6 to 11 years. The total exposure for the 20 mg dose in patients aged 6 to 11 years was higher than that observed with the 20 mg dose in 12 to 17 year-olds and adults, but lower than that observed with the 40 mg dose in 12 to 17 year-olds and adults. See Table 6.

Table 6. Summary of PK Parameters in 1 to 11 Year Olds with GERD Following 5 Days of Once-Daily Oral Esomeprazole Treatment. Table with columns: Parameter, 10 mg (N=4), 20 mg (N=7), 40 mg (N=6).

Table with columns: Parameter, 10 mg (N=4), 20 mg (N=7), 40 mg (N=6). Rows include AUC (μmol·h/L), Cmax (μmol/L), Tmax (h), and t1/2 (h).

\*Geometric mean; \*\*Arithmetic mean

12 to 17 Years of Age: The pharmacokinetics of esomeprazole were studied in 28 adolescent patients with GERD aged 12 to 17 years inclusive, in a single center study. Patients were randomized to receive esomeprazole magnesium 20 mg or 40 mg once daily for 8 days. Mean Cmax and AUC values were similar between the two groups in the untreated rat. In addition, ECL cell hyperplasia was present in all treated groups of both sexes. In one of these studies, female rats was treated with 13.8 mg esomeprazole/kg/day (about 3.4 times the human dose of 40 mg/day on a body surface area basis) for 1 year, then followed for an additional 1 year. No carcinomas were seen in these rats. An increased incidence of treatment-related ECL cell hyperplasia was observed at the end of 1 year (94% treated vs. 10% controls). By the second year the difference between treated and control rats was much smaller (46% vs. 26%) but still showed more hyperplasia in the treated group. Gastric adenocarcinoma was seen in one rat (2%). No similar tumor was seen in male or female rats treated for 2 years. For this strain of rat a similar tumor has been noted historically, but a finding involving only one tumor is difficult to interpret. A 78-week mouse carcinogenicity study of esomeprazole did not show increased tumor occurrence, but the study was not conclusive.

Esomeprazole was negative in the Ames mutation test, in the *in vivo* rat bone marrow cell chromosome aberration test, and the *in vivo* mouse micronucleus test. Esomeprazole, however, was positive in the *in vitro* human lymphocyte chromosome aberration test. Esomeprazole was positive in the *in vitro* human lymphocyte chromosome aberration test, in the *in vivo* mouse bone marrow cell chromosome aberration test, and the *in vivo* mouse micronucleus test.

The potential effects of esomeprazole on fertility and reproductive performance were assessed using esomeprazole sodium. Esomeprazole at oral doses up to 138 mg/kg/day in rats (about 34 times the human dose of 40 mg/day on a body surface area basis) was found to have no effect on reproductive performance of parental animals.

13.2 Animal Toxicology and/or Pharmacology

Reproduction Studies

Reproduction studies have been performed in rats at oral doses up to 280 mg/kg/day (about 68 times an oral human dose of 40 mg on a body surface area basis) and in rabbits at oral doses up to 86 mg/kg/day (about 42 times an oral human dose of 40 mg on a body surface area basis) and have revealed no evidence of impaired fertility or harm to the fetus due to esomeprazole [see Pregnancy, Animal Data (8.1)].

Juvenile Animal Study

A 28-day toxicity study with a 14-day recovery phase was conducted in juvenile rats with esomeprazole magnesium at doses of 70 to 280 mg/kg/day (about 17 to 68 times a daily oral human dose of 40 mg on a body surface area basis). An increase in the number of deaths at the high dose of 280 mg/kg/day was observed when juvenile rats were administered esomeprazole magnesium from postnatal day 7 through postnatal day 28. In addition, doses equal to or greater than 140 mg/kg/day (about 34 times a daily oral human dose of 40 mg on a body surface area basis), produced treatment-related decreases in body weight (approximately 14%) and body weight gain, decreases in femur weight and femur length, and affected overall growth. Comparable findings described above have also been observed in this study with another esomeprazole salt, esomeprazole sodium, at equimolar doses of esomeprazole.

14 CLINICAL STUDIES

14.1 Healing of Erosive Esophagitis

The healing rates of esomeprazole magnesium 40 mg, esomeprazole magnesium 20 mg, and omeprazole 20 mg (the approved dose for this indication) were evaluated in patients with endoscopically diagnosed erosive esophagitis in four multicenter, double-blind, randomized studies. The healing rates at Weeks 4 and 8 were evaluated and are shown in the Table 5.

Table 5: Erosive Esophagitis Healing Rate (Life-Table Analysis)

Table with columns: Study, No. of Patients, Treatment Groups, Week 4, Week 8, Significance Level. Rows include studies 1, 2, 3, and 4.

\*log-rank test vs. omeprazole 20 mg; N.S. = not significant (p > 0.05).

In these same studies of patients with erosive esophagitis, sustained heartburn resolution and time to sustained heartburn resolution were evaluated and are shown in the Table 6.

Table 6: Sustained Resolution of Heartburn (Erosive Esophagitis Patients)

Table with columns: Study, No. of Patients, Treatment Groups, Cumulative Percent\* with Sustained Resolution, Day 14, Day 28, Significance Level. Rows include studies 1, 2, 3, and 4.

\*Defined as consecutive days with no heartburn reported in daily patient diary.

\*\*Defined as the cumulative proportion of patients who have reached the start of sustained resolution.

\*log-rank test vs. omeprazole 20 mg; N.S. = not significant (p > 0.05).

In these four studies, the range of median days to the start of sustained resolution (defined as 7 consecutive days with no heartburn) was 5 days for esomeprazole magnesium 40 mg, 7 to 8 days for esomeprazole magnesium 20 mg and 7 to 9 days for omeprazole 20 mg.

There are no comparisons of 40 mg of esomeprazole magnesium with 40 mg of omeprazole in clinical trials assessing either healing or symptomatic relief of erosive esophagitis.

Long-Term Maintenance of Healing of Erosive Esophagitis

Two multicenter, randomized, double-blind, placebo-controlled 4-arm trials were conducted in patients with endoscopically confirmed, healed erosive esophagitis to evaluate esomeprazole magnesium 40 mg (n=174), 20 mg (n=180), 10 mg (n=168) or placebo (n=171) once daily over six months of treatment.

No additional clinical benefit was seen with esomeprazole magnesium 40 mg over esomeprazole magnesium 20 mg.

The percentages of patients that maintained healing of erosive esophagitis at the various time points are shown in the Figures 2 and 3:

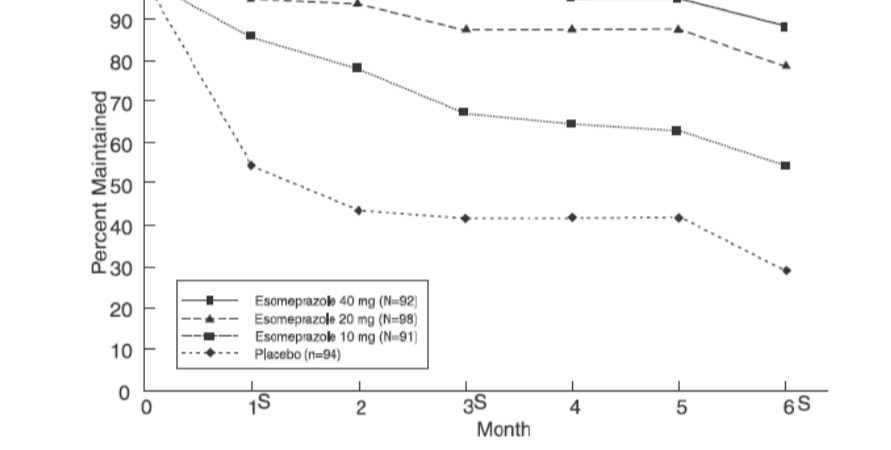


Figure 2: Maintenance of Healing Rates by Month (Study 17)

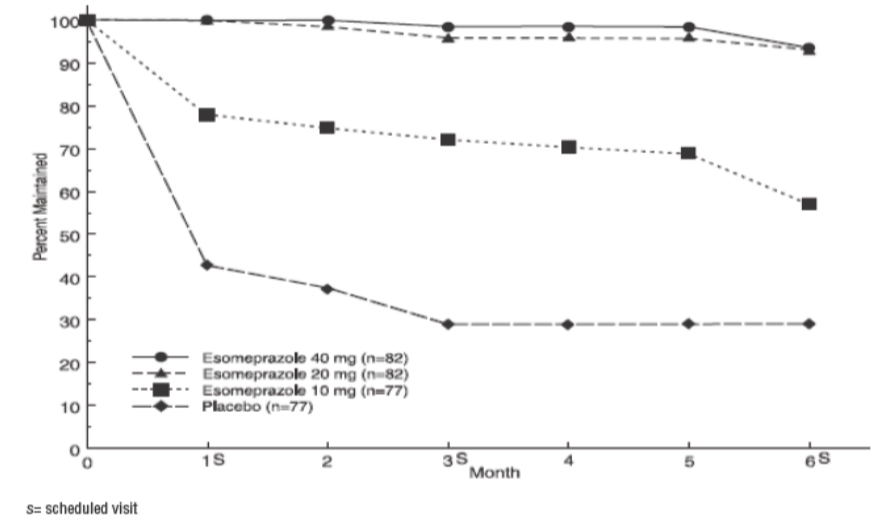


Figure 3: Maintenance of Healing Rates by Month (Study 17)

Patients remained in remission significantly longer and the number of recurrences of erosive esophagitis was significantly less in patients treated with esomeprazole magnesium compared to placebo.

In both studies, the proportion of patients on esomeprazole magnesium who remained in remission and were free of heartburn and other GERD symptoms was differentiated from placebo.

In a third multicenter open label study of 808 patients treated for 12 months with esomeprazole magnesium 40 mg, the percentage of patients that maintained healing of erosive esophagitis was 83.7% for six months and 89.4% for one year.

14.2 Symptomatic Gastroesophageal Reflux Disease (GERD)

Two multicenter, randomized, double-blind, placebo-controlled studies were conducted in a total of 717 patients comparing four weeks of treatment with esomeprazole magnesium 20 mg or 40 mg once daily versus placebo for resolution of GERD symptoms. Patients had 2-6-month history of heartburn episodes, no erosive esophagitis by endoscopy, and heartburn on at least four of the seven days immediately preceding randomization.

The percentage of patients that were symptom-free of heartburn was significantly higher in the esomeprazole magnesium groups compared to placebo at 4 weeks (Weeks 1, 2, and 4).

No additional clinical benefit was seen with esomeprazole magnesium 40 mg over esomeprazole magnesium 20 mg.

The percent of patients symptom-free of heartburn by day are shown in the Figures 4 and 5:

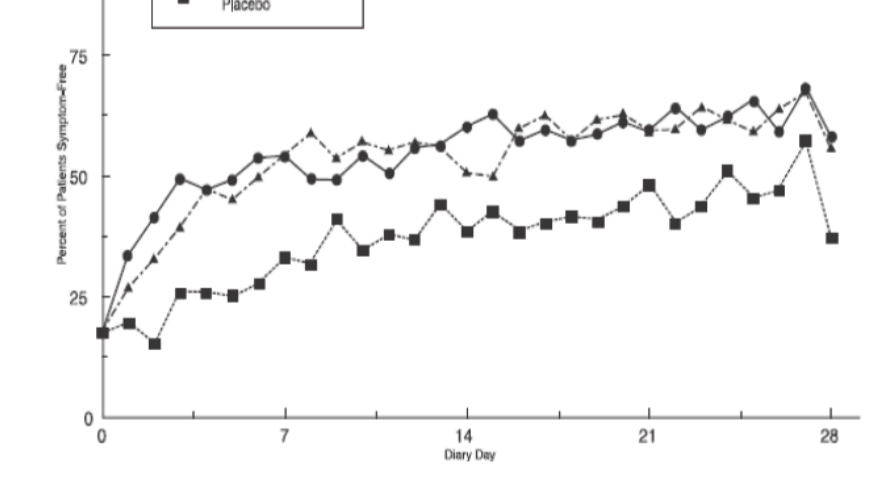
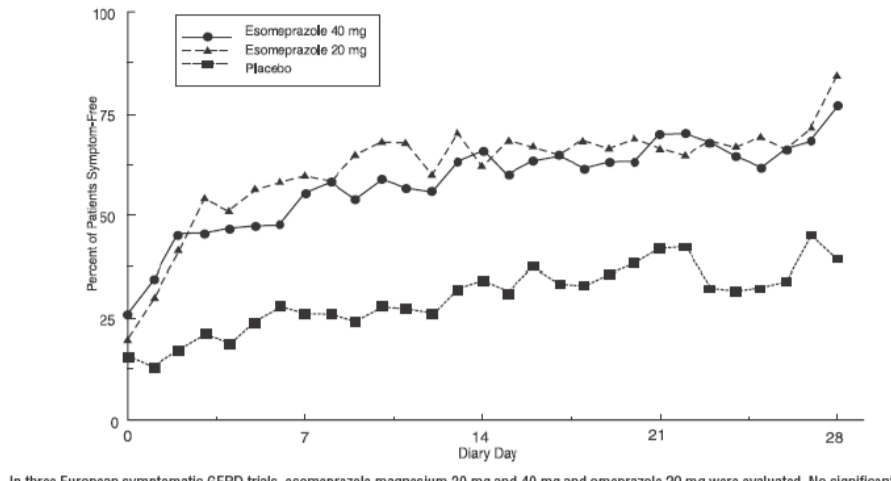


Figure 4: Percent of Patients Symptom-Free of Heartburn by Day (Study 225)

Figure 5: Percent of Patients Symptom-Free of Heartburn by Day (Study 225)



In three European symptomatic GERD trials, esomeprazole magnesium 20 mg and 40 mg and omeprazole 20 mg were evaluated. No significant treatment differences were seen.

14.3 Pediatric Gastroesophageal Reflux Disease (GERD)

1 to 11 Years of Age: In a multicenter, parallel-group study, 109 pediatric patients with a history of endoscopically-proven GERD (1 to 11 years of age; 53 female; 89 Caucasian; 19 Black; 1 Other) were treated with esomeprazole magnesium once daily for up to 8 weeks to evaluate safety and tolerability. Doubling by patient weight was as follows:

weight < 20 kg: once daily treatment with esomeprazole magnesium 5 mg or 10 mg

weight > 20 kg: once daily treatment with esomeprazole magnesium 10 mg or 20 mg

Patients were endoscopically characterized as the presence or absence of erosive esophagitis.

Of the 109 patients, 53 had erosive esophagitis at baseline (51 had mild, 1 moderate, and 1 severe esophagitis). Although most of the patients who had a follow up endoscopy at the end of 8 weeks of treatment healed, spontaneous healing cannot be ruled out because these patients had low grade erosive esophagitis prior to treatment, and the trial did not include a concomitant control.

12 to 17 Years of Age

In a multicenter, randomized, double-blind, parallel-group study, 140 adolescent patients (12 to 17 years of age; 89 female; 124 Caucasian; 15 Black; 10 Other) with clinically diagnosed GERD were treated with either esomeprazole magnesium 20 mg or esomeprazole magnesium 40 mg once daily for up to 8 weeks to evaluate safety and tolerability. Patients were not endoscopically characterized as to the presence or absence of erosive esophagitis.

14.4 Risk Reduction of NSAID-Associated Gastric Ulcer

Two multicenter, double-blind, placebo-controlled studies were conducted in patients at risk of developing gastric and/or duodenal ulcers associated with continuous use of non-selective and COX-2 selective NSAIDs. A total of 1429 patients were randomized across the 2 studies. Patients ranged in age from 18 to 89 (median age 66 years) with 70.7% female, 29.3% male, 82.9% Caucasian, 5.5% Black, 3.2% Asian, and 8% Other. At baseline, the patients in these studies were endoscopically confirmed not to have ulcers but were determined to be at risk for ulcer occurrence due to their age (>40 years) and/or history of a documented gastric or duodenal ulcer within the past 5 years. Patients receiving NSAIDs and treated with esomeprazole magnesium 20 mg or 40 mg once-daily experienced significant reduction in gastric ulcer occurrences relative to placebo treatment at 28 weeks. See Table 11. No additional benefit was seen with esomeprazole magnesium 40 mg over esomeprazole magnesium 20 mg. These studies did not demonstrate significant reduction in the development of NSAID-associated duodenal ulcer due to the low incidence.

Table 11: Cumulative percentage of patients without gastric ulcers at 28 weeks:

Table with columns: Study, No. of Patients, Treatment Group, % of Patients Remaining Gastric Ulcer Free. Rows include studies 1 and 2.

\* Life-Table Estimate. Significant difference from placebo (p<0.01).

14.6 Pathological Hypersecretory Conditions Including Zollinger-Ellison Syndrome

In a multicenter, open-label dose-escalation study of 21 patients (15 males and 6 females, 18 Caucasian and 3 Black, mean age of 55.5 years) with pathological hypersecretory conditions, such as Zollinger-Ellison Syndrome, esomeprazole magnesium significantly inhibited gastric acid secretion. Initial doses were 40 mg twice daily in 1621 patients and 80 mg twice daily in 221 patients. Total daily doses ranging from 80 mg to 240 mg for 12 months maintained gastric acid output below the target levels of 10 mEq/h in patients without prior gastric acid-reducing surgery and below 5 mEq/h in patients with prior gastric acid-reducing surgery. At the Month 12 final visit, 18/20 (90%) patients had Basal Acid Output (BAO) under satisfactory control (median BAO = 0.17 mmol/hr). Of the 18 patients evaluated with a starting dose of 40 mg twice daily, 13 (72%) had their BAO controlled with the original dosing regimen at the final visit. See Table 13.

Table 13: Adequate Acid Suppression at Final Visit by Dose Regimen

Table with columns: Esomeprazole magnesium doses at the Month 12 visit, BAO under adequate control at the Month 12 visit (N=20)\*. Rows include 40 mg twice daily, 80 mg twice daily, and 80 mg three times daily.

\*One patient was not evaluated.

16 HOW SUPPLIED, STORAGE AND HANDLING

Esomeprazole magnesium delayed-release capsules USP, 20 mg are pale yellow to yellow colored tablets filled in size "4" empty hard gelatin capsule shell with light opaque purple cap and dark opaque purple body imprinted with "RD" on cap and "482" on body with black ink and are supplied in bottles of 30's.

Esomeprazole magnesium delayed-release capsules USP, 40 mg are pale yellow to yellow colored tablets filled in size "5" empty hard gelatin capsule shell with light opaque purple cap and dark opaque purple body imprinted with "RD" on cap and "483" on body with black ink and are supplied in bottles of 30's.

Store at 20°-25°C (68°-77°F) [See USP Controlled Room Temperature]. Keep esomeprazole magnesium delayed-release capsules container tightly closed. Dispense in a light container if the esomeprazole magnesium delayed-release capsules product package is subdivided.

17 PATIENT COUNSELING INFORMATION

\*See FDA-Approved Medication Guide

Advise patients to let you know if they are taking, or begin taking, other medications, because esomeprazole magnesium can interfere with antiretroviral drugs and drugs that are affected by gastric pH changes [see Drug Interactions (7.1)].

Let patients know that antacids may be used while taking esomeprazole magnesium.

Advise patients to take esomeprazole magnesium at least one hour before a meal.

For patients who are prescribed esomeprazole magnesium delayed-release capsules, advise them not to chew or crush the capsules.

Advise patients that, if they open esomeprazole magnesium delayed-release capsules to mix the granules with food, the granules should only be mixed with applesauce. Use with other foods has not been evaluated and is not recommended.

For patients who are advised to open the esomeprazole magnesium delayed-release capsules before taking them, instruct them in the proper technique for administration [see Dosage and Administration (2)] and tell them to follow the dosing instructions in the PATIENT INFORMATION insert included in the package. Instruct patients to rise the syringe with water after each use.

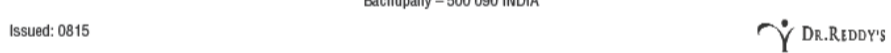
Advise patients to immediately report and seek care for diarrhea that does not improve. This may be a sign of Clostridium difficile associated diarrhea [see Warnings and Precautions (5.3)].

Advise patients to immediately report and seek care for any cardiovascular or neurological symptoms including palpitations, dizziness, seizures, and tetany as these may be signs of hypomagnesemia [see Warnings and Precautions (5.8)].

Rx only

Manufactured by: Dr. Reddy's Laboratories Limited, Bachupally - 500 090 INDIA

Issued: 0815



ESOMEPRAZOLE MAGNESIUM DELAYED-RELEASE CAPSULES, USP (or "eh ome p' razole mag see zee im")

Read the Medication Guide that comes with esomeprazole magnesium delayed-release capsules before you start taking esomeprazole magnesium delayed-release capsules and each time you get a refill. There may be new information. This information does not take the place of talking with your doctor about your medical condition or your treatment.

What is the most important information I should know about esomeprazole magnesium delayed-release capsules? Esomeprazole magnesium delayed-release capsules may help your acid-related symptoms, but you could still have serious stomach problems. Talk with your doctor.

Esomeprazole magnesium delayed-release capsules can cause serious side effects, including:

Diarrhea. Esomeprazole magnesium delayed-release capsules may increase your risk of getting severe diarrhea. This diarrhea may be caused by an infection (Clostridium difficile) in your intestines.

Your doctor might give you a yellow watery stool, stomach pain, and fever that does not go away.

Bone fractures. People who take multiple daily doses of Proton Pump Inhibitor medicines for a long period of time (a year or longer) may have an increased risk of fractures of the hip, wrist, or spine. You should take esomeprazole magnesium delayed-release capsules exactly as prescribed, at the lowest dose possible for your treatment and for the shortest time needed. Talk to your doctor about your risk of bone fracture if you take esomeprazole magnesium delayed-release capsules.

Esomeprazole magnesium delayed-release capsules can have other serious side effects. See "What are the possible side effects of esomeprazole magnesium delayed-release capsules?"

What are esomeprazole magnesium delayed-release capsules? Esomeprazole magnesium delayed-release capsules are prescription medicine called a proton pump inhibitor (PPI). Esomeprazole magnesium delayed-release capsules reduce the amount of acid in your stomach.

Esomeprazole magnesium delayed-release capsules are used in adults:

For 4 to 8 weeks to treat the symptoms of gastroesophageal reflux disease (GERD). Esomeprazole magnesium delayed-release capsules may also be prescribed to heal acid-related damage to the lining of the esophagus (erosive esophagitis), and to help continue this healing.

GERD happens when acid in your stomach backs up into the tube (esophagus) that connects your mouth to your stomach. This may cause a burning feeling in your chest or throat, sour taste, or burping.

For up to 6 months to reduce the risk of stomach ulcers in some people taking pain medicines called non-steroidal anti-inflammatory drugs (NSAIDs).

For the long-term treatment of conditions where your stomach makes too much acid, including Zollinger-Ellison Syndrome. Zollinger-Ellison Syndrome is a rare condition in which the stomach produces a more than normal amount of acid.

For children and adolescents 1 year to 7 years of age, esomeprazole magnesium delayed-release capsules may be prescribed for up to 8 weeks for short-term treatment of GERD.

In children ages 1 month to less than 1 year of age, esomeprazole magnesium is only used to treat GERD with acid-related damage to the esophagus (erosive esophagitis) for up to 8 weeks.

It is not known if esomeprazole magnesium delayed-release capsules are effective in children under 1 month of age.

Who should not take esomeprazole magnesium delayed-release capsules? Do not take esomeprazole magnesium delayed-release capsules if you:

- are allergic to esomeprazole magnesium or any of the ingredients in esomeprazole magnesium delayed-release capsules. See the end of this Medication Guide for a complete list of ingredients in esomeprazole magnesium delayed-release capsules.
- are allergic to any other Proton Pump Inhibitor (PPI) medicine.

PHARMACIST - DETACH FROM HERE

What are the possible side effects of esomeprazole magnesium delayed-release capsules? Esomeprazole magnesium delayed-release capsules can cause serious side effects, including: See "What is the most important information I should know about esomeprazole magnesium delayed-release capsules?" Chronic (lasting a long time) inflammation of the stomach lining (Atrophic Gastritis). Using esomeprazole magnesium delayed-release capsules for a long period of time may increase the risk of infection in your stomach lining, nausea, vomiting, or weight loss. Tell your doctor if you have stomach pain, nausea, vomiting, or weight loss. Vitamin B-12 deficiency. Esomeprazole magnesium reduces the amount of acid in your stomach. Stomach acid is needed to absorb vitamin B-12 properly. Talk with your doctor about the possibility of vitamin B-12 deficiency. If you have been on esomeprazole magnesium for a long time (more than 3 years), you may need to have your vitamin B-12 levels checked. If low magnesium levels in your body, low magnesium can happen in some people who take a proton pump inhibitor, like you, for at least 3 months. If low magnesium levels happen, it is usually after 3 years of treatment. You may or may not have symptoms of low magnesium. Tell your doctor right away if you have any of these symptoms: dizziness, abnormal or fast heart beat, feeling movements or shaking (tremors), muscle weakness, spasms of the hands and feet, spasms of the voice box, your doctor may check the level of magnesium in your body before you start taking esomeprazole magnesium delayed-release capsules or during treatment if you will be taking esomeprazole magnesium delayed-release capsules for a long period of time. The most common side effects with esomeprazole magnesium delayed-release capsules may include: headache, dizziness, abnormal or fast heart beat, feeling movements or shaking (tremors), muscle weakness, spasms of the hands and feet, spasms of the voice box, your doctor may check the level of magnesium in your body before you start taking esomeprazole magnesium delayed-release capsules or during treatment if you will be taking esomeprazole magnesium delayed-release capsules for a long period of time. 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**MEDICATION GUIDE**  
**Esomeprazole Magnesium Delayed-Release Capsules, USP**  
**(es" oh mep' ra zole mag nee' zee um)**

Read the Medication Guide that comes with esomeprazole magnesium delayed-release capsules before you start taking esomeprazole magnesium delayed-release capsules and each time you get a refill. There may be new information. This information does not take the place of talking with your doctor about your medical condition or your treatment.

**What is the most important information I should know about esomeprazole magnesium delayed-release capsules?**

**Esomeprazole magnesium delayed-release capsules may help your acid-related symptoms, but you could still have serious stomach problems. Talk with your doctor.**

**Esomeprazole magnesium delayed-release capsules can cause serious side effects, including:**

• **Diarrhea.** Esomeprazole magnesium delayed-release capsules may increase your risk of getting severe diarrhea. This diarrhea may be caused by an infection (*Clostridium difficile*) in your intestines.

Call your doctor right away if you have watery stool, stomach pain, and fever that does not go away.

• **Bone fractures.** People who take multiple daily doses of Proton Pump Inhibitor medicines for a long period of time (a year or longer) may have an increased risk of fractures of the hip, wrist, or spine. You should take esomeprazole magnesium delayed-release capsules exactly as prescribed, at the lowest dose possible for your treatment and for the shortest time needed. Talk to your doctor about your risk of bone fracture if you take esomeprazole magnesium delayed-release capsules.

Esomeprazole magnesium delayed-release capsules can have other serious side effects. See “**What are the possible side effects of esomeprazole magnesium delayed-release capsules?**”

**What are esomeprazole magnesium delayed-release capsules?**

Esomeprazole magnesium delayed-release capsules are prescription medicine called a proton pump inhibitor (PPI). Esomeprazole magnesium delayed-release capsules reduces the amount of acid in your stomach.

Esomeprazole magnesium delayed-release capsules are used in adults:

• for 4 to 8 weeks to treat the symptoms of gastroesophageal reflux disease (GERD). Esomeprazole magnesium delayed-release capsules may also be prescribed to heal acid-related damage to the lining of the esophagus (erosive esophagitis), and to help continue this healing.

GERD happens when acid in your stomach backs up into the tube (esophagus) that connects your mouth to your stomach. This may cause a burning feeling in your chest or throat, sour taste, or burping.

• for up to 6 months to reduce the risk of stomach ulcers in some people taking pain medicines called non-steroidal anti-inflammatory drugs (NSAIDs).

• for the long-term treatment of conditions where your stomach makes too much acid, including Zollinger-Ellison Syndrome. Zollinger-Ellison Syndrome is a rare condition in which the stomach produces a more than normal amount of acid.

For children and adolescents 1 year to 17 years of age, esomeprazole magnesium delayed-release capsules may be prescribed for up to 8 weeks for short-term treatment of GERD.

In children ages 1 month to less than 1 year of age, esomeprazole magnesium is only used to treat GERD with acid-related damage to the esophagus (erosive esophagitis) for up to 6 weeks.

It is not known if esomeprazole magnesium delayed-release capsules are effective in children under 1 month of age.

**Who should not take esomeprazole magnesium delayed-release capsules?**

Do not take esomeprazole magnesium delayed-release capsules if you:

- are allergic to esomeprazole magnesium or any of the ingredients in esomeprazole magnesium delayed-release capsules. See the end of this Medication Guide for a complete list of ingredients in esomeprazole magnesium delayed-release capsules.
- are allergic to any other Proton Pump Inhibitor (PPI) medicine.

**What should I tell my doctor before taking esomeprazole magnesium delayed-release capsules?**

**Before you take esomeprazole magnesium delayed-release capsules, tell your doctor if you:**

- have been told that you have low magnesium levels in your blood
- have liver problems
- are pregnant or plan to become pregnant. It is not known if esomeprazole magnesium delayed-release capsules can harm your unborn baby.
- are breastfeeding or planning to breastfeed. Esomeprazole magnesium may pass into your breast milk. Talk to your doctor about the best way to feed your baby if you take esomeprazole magnesium delayed-release capsules.

**Tell your doctor about all of the medicines you take**, including prescription and non-prescription drugs, vitamins and herbal supplements. Esomeprazole magnesium delayed-release capsules may affect how other medicines work, and other medicines may affect how esomeprazole magnesium delayed-release capsules works.

Especially tell your doctor if you take:

- warfarin (Coumadin, Jantoven)
- ketoconazole (Nizoral)
- voriconazole (Vfend)
- atazanavir (Reyataz)
- nelfinavir (Viracept)
- saquinavir (Fortovase)
- products that contain iron
- digoxin (Lanoxin)
- St. John's Wort (*Hypericum perforatum*)
- Rifampin (Rimactane, Rifater, Rifamate)
- cilostazol (Pletal)
- diazepam (Valium)
- tacrolimus (Prograf)
- erlotinib (Tarceva)
- methotrexate
- clopidogrel (Plavix)
- mycophenolate mofetil (Cellcept)

**How should I take esomeprazole magnesium delayed-release capsules?**

- Take esomeprazole magnesium delayed-release capsules exactly as prescribed by your doctor.
- Do not change your dose or stop esomeprazole magnesium delayed-release capsules without talking to your doctor.
- Take esomeprazole magnesium delayed-release capsules at least 1 hour before a meal.
- Swallow esomeprazole magnesium delayed-release capsules whole. **Never chew or crush esomeprazole magnesium delayed-release capsules.**
- If you have difficulty swallowing esomeprazole magnesium delayed-release capsules, you may open the capsule and empty the contents into a tablespoon of applesauce. Do not crush or chew the granules. Be sure to swallow the applesauce right away. Do not store it for later use.
- If you forget to take a dose of esomeprazole magnesium delayed-release capsules, take it as soon as you remember. If it is almost time for your next dose, do not take the missed dose. Take the next dose on time. Do not take a double dose to make up for a missed dose.
- If you take too much esomeprazole magnesium delayed-release capsules, call your doctor or local poison control center right away, or go to the nearest hospital emergency room.

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- See the “Instructions for Use” at the end of this Medication Guide for instructions how to mix and give esomeprazole magnesium delayed-release capsules, through a nasogastric tube or gastric tube.

**What are the possible side effects of esomeprazole magnesium delayed-release capsules?**

**Esomeprazole magnesium delayed-release capsules can cause serious side effects, including:**

- See “What is the most important information I should know about esomeprazole magnesium delayed-release capsules?”
- **Chronic (lasting a long time) inflammation of the stomach lining (Atrophic Gastritis).** Using esomeprazole magnesium delayed-release capsules for a long period of time may increase the risk of inflammation to your stomach lining. You may or may not have symptoms. Tell your doctor if you have stomach pain, nausea, vomiting, or weight loss.
- **Vitamin B-12 deficiency.** Esomeprazole magnesium reduces the amount of acid in your stomach. Stomach acid is needed to absorb vitamin B-12 properly. Talk with your doctor about the possibility of vitamin B-12 deficiency if you have been on esomeprazole magnesium for a long time (more than 3 years).
- **Low magnesium levels in your body.** Low magnesium can happen in some people who take a proton pump inhibitor medicine for at least 3 months. If low magnesium levels happen, it is usually after a year of treatment.

You may or may not have symptoms of low magnesium.

**Tell your doctor right away if you have any of these symptoms:**

- seizures
- dizziness
- abnormal or fast heart beat
- jitteriness
- jerking movements or shaking (tremors)
- muscle weakness
- spasms of the hands and feet
- cramps or muscle aches
- spasm of the voice box

Your doctor may check the level of magnesium in your body before you start taking esomeprazole magnesium delayed-release capsules or during treatment if you will be taking esomeprazole magnesium delayed-release capsules for a long period of time.

The most common side effects with esomeprazole magnesium delayed-release capsules may include:

- headache
- diarrhea
- nausea
- gas
- abdominal pain
- constipation
- dry mouth
- drowsiness

Other side effects:

**Serious allergic reactions.** Tell your doctor if you get any of the following symptoms with esomeprazole magnesium delayed-release capsules:

- rash
- face swelling
- throat tightness
- difficulty breathing

Your doctor may stop esomeprazole magnesium delayed-release capsules if these symptoms happen.

Tell your doctor if you have any side effects that bother you or that do not go away. These are not all the possible side effects with esomeprazole magnesium delayed-release capsules.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

**How should I store esomeprazole magnesium delayed-release capsules?**

- Store esomeprazole magnesium delayed-release capsules at 20°-25°C (68°-77°F).
- Keep the container of esomeprazole magnesium delayed-release capsules closed tightly.

**Keep esomeprazole magnesium delayed-release capsules and all medicines out of the reach of children.**

**General information about esomeprazole magnesium delayed-release capsules**

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use esomeprazole magnesium delayed-release capsules for a condition for which it was not prescribed. Do not give esomeprazole magnesium delayed-release capsules to other people, even if they have the same symptoms you have. It may harm them.

This Medication Guide summarizes the most important information about esomeprazole magnesium delayed-release capsules. If you would like more information, talk with your doctor. You can ask your pharmacist or doctor for information about esomeprazole magnesium delayed-release capsules that is written for health professionals.

For more information, call 1-888-375-3784.

**What are the ingredients in esomeprazole magnesium delayed-release capsules?**

**Active ingredient:** esomeprazole magnesium trihydrate

**Inactive ingredients in esomeprazole magnesium delayed-release capsules (including the capsule shells):** glyceryl monostearate, hydroxypropyl cellulose, hypromellose, magnesium stearate, methacrylic acid copolymer, polysorbate 80, simethicone, sugar spheres, talc and triethyl citrate. The capsule shells have the following inactive ingredients: gelatin, FD&C Blue #1, D&C Red #28, titanium dioxide, ammonia solution, black iron oxide, butyl alcohol, dehydrated alcohol, isopropyl alcohol, propylene glycol, potassium hydroxide and shellac.

**Instructions for Use**

For instructions on taking Delayed-Release Capsules, see the section of this leaflet called “**How should I take esomeprazole magnesium delayed-release capsules?**”

Esomeprazole magnesium delayed-release capsules may be given through a nasogastric tube (NG tube) or gastric tube, as prescribed by your doctor. Follow the instructions below:

Esomeprazole Magnesium Delayed-Release Capsules:

- Open the capsule and empty the granules into a 60 mL catheter tipped syringe. Mix with 50 mL of water. Use only a catheter tipped syringe to give esomeprazole magnesium delayed-release capsules through a NG tube.
- Replace the plunger and shake the syringe well for 15 seconds. Hold the syringe with the tip up and check for granules in the tip.
- Give the medicine right away.
- Do not give the granules if they have dissolved or have broken into pieces.
- Attach the syringe to the NG tube. Give the medicine in the syringe through the NG tube into the stomach.
- After giving the granules, flush the NG tube with more water.

This Medication Guide has been approved by the U.S. Food and Drug Administration.

To reorder additional Medication Guides, please contact Dr. Reddy's Customer Service at 1-866-733-3952.

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