## CLINICAL

## **Esophageal Manometry Found Useful**

Esophageal manometry provided new information leading to a change in patient management in up to 60% of cases in a prospective study, Dr. Brian E. Lacy said at the annual meeting of the American College of Gastroenterology.

The clinical utility of esophageal manometry (EM) had never been formally examined, even though the test is ordered 100,000 times yearly in the United States, said Dr. Lacy of Dartmouth-Hitchcock Medical Center, Lebanon, N.H. During a recent 6-month period when 303 CAPSULES

EMs were performed there, he and his colleagues sent pre- and postprocedure questionnaires to all ordering physicians and received 152 complete responses. The mean duration of symptoms prior to EM was 64 months. One-third of EMs were ordered for evaluation of dysphagia, 29% for assistance in placing a pH probe or Bravo monitoring capsule, 13% for reflux symptoms, and 10% for evaluation of chest pain.

Physicians reported that EM yielded new information in 100% of patients with reflux symptoms and in 86% of those with chest pain or dysphagia. The test results led to a change in diagnosis in 48% of patients with dysphagia, 21% of those with chest pain, and 20% of those with gastroesophageal reflux disease (GERD).

More importantly, the EM results led to a change in management for 60% of patients evaluated for dysphagia, 45% of those with GERD, and 43% of those evaluated primarily for chest pain, Dr. Lacy said. Most often this management change involved stopping medications that were not useful or adding a new drug.

## **Lanreotide Curbs Pancreatitis Pain**

A single dose of the somatostatin analog lanreotide cut the incidence of pain relapse after an episode of acute, necrotizing pancreatitis in a randomized, controlled study with 77 patients.

Patients treated with lanreotide had a 3% rate of relapsing pain, compared with 15% in the placebo group, during the period from 8 to 28 days after treatment, reported Dr. Philippe Levy and his associates in a poster at the 13th United European Gastroenterology Week.

The study enrolled patients at several centers in France; patients had an average age of 53 years and were recovering from an episode of pancreatitis that had not required surgery or radiologic drainage. When oral feeding was judged possible, 38 patients received a 30-mg injection of lanreotide and 39 control patients received a placebo injection.

During the first 7 days after the injection, one lanreotide patient and no placebo patients reported a pain relapse. From day 8 to 28, one additional patient in the lanreotide group (3%) and six placebo patients (15%) had pain relapses, a statistically significant difference, reported Dr. Levy, chief of the gastroenterology service at Beaujon Hospital in Clichy, France.

The drug was well tolerated, with no treatment-related adverse effects reported. In the United States, lanreotide is not yet approved and is being tested in patients with acromegaly or neuroendocrine tumors in phase III studies.

# **Gum Boosts Motility After Colectomy**

Chewing gum soon after open partial resection of the sigmoid colon stimulates bowel motility, markedly reducing the delay before full bowel function returns, reported Dr. Rob Schuster and his associates at Santa Barbara (Calif.) Cottage Hospital.

Previous studies showed that starting an oral diet soon after colon surgery can hasten recovery. In one study, bowel function returned sooner in patients who chewed gum after laparoscopic colectomy.

Based on these results, Dr. Schuster and his associates conducted a prospective, case-control study in 34 patients undergoing open sigmoid colon resection for recurrent diverticular disease or cancer. Half of the patients were randomly assigned to chew gum three times daily, starting the morning after surgery and continuing until bowel function returned. The other 17 patients served as controls.

Patients in the treatment group reported that their first hunger sensations, passage of flatus, and bowel movement occurred 63.5 hours, 65.4 hours, and 63.2 hours, respectively, after surgery. Those intervals were 72.8 hours, 80.2 hours, and 89.4 hours in the control group. Hospital stays were 4.3 days in the gum-chewing group and 6.8 days in controls. The researchers calculated that gum chewing after colectomy could conceivably save the nation \$118,828,000 yearly, based on estimates of 79,219 colectomies performed annually and a mean daily hospital room fee of \$1,500 (Arch. Surg. 2006;141:174-6).

It's not clear how gum chewing works in this situation. It most likely reverses postoperative ileus via "direct stimulation of the cephalic-vagal system and resultant increased levels of neural and humoral hormones that stimulate bowel motility in the stomach, small bowel, and colon," the researchers said.

-From staff reports

Brief Summary of Prescribing Information Rev. October 2005

To reduce the development of drug-resistant bacteria and maintain the effectiveness of KETEK and other antibacterial drugs, KETEK should be used only to treat infections that are proven or strongly suspected to be caused by bacteria.

INDICATIONS AND USAGE
KETEK tablets are indicated for the treatment of infections caused by susceptible
strains of the designated microorganisms in the conditions listed below for
patients 18 years old and above.

Acute bacterial exacerbation of chronic bronchitis due to Streptococcus pneu-

Acute bacterial sinustits due to Streptococcus pneumoniae, Haemophilus influenzae, Moraxella catarrhalis, or Staphylococcus aureus.

Community-acquired pneumonia (of mild to moderate severity) due to Streptococcus pneumoniae, (including multi-drug resistant isolates [MDRSP\*]), Haemophilus influenzae, Moraxella catarrhalis, Chlamydophila pneumoniae, or Macondorma quantiponia.

wycoplasma pneumoniae.

"MDRSP, Multi-drug resistant Streptococcus pneumoniae includes isolates nown as PRSP (penicillin-resistant Streptococcus pneumoniae), and are isolates resistant to two or more of the following antibiotics: penicillin, 2nd generation epahalosporins, e.g., cefuroxime, macrolides, tetracyclines and trimethoprim/vulfamethoxarole.

surametnoxazole. To reduce the development of drug-resistant bacteria and maintain the effectiveness of KETEK and other antibacterial drugs, KETEK should be used only to treat infections that are proven or strongly suspected to be caused by susceptible bacteria. When culture and susceptibility information are available, they should be considered in selecting or modifying antibacterial therapy. In the absence of such data, local epidemiology and susceptibility patterns may contribute to the empiric selection of therapy.

contraindicated in patients with a history of hypersensitivity to cin and/or any components of KETEK tablets, or any macrolide antibiotic. Concomitant administration of KETEK with cisapride or pimozide is contraindicat (See CLINICAL PHARMACOLOGY, Drug-drug Interactions and PRECAUTIONS.)

ranous colitis has been reported with nearly all antibacterial agents

reseudomemoranous colums has been reported with nearly all antioacterial agents, including tellithromycin, and may range in severity from mild to life-threatening. Therefore, it is important to consider this diagnosis in patients who present with diarrhea subsequent to the administration of any antibacterial agents. Treatment with antibacterial agents afters the flora of the colon and may permit overgrowth of clostridia. Studies indicate that toxin-producing strains of Clostridium difficile are the 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 drug discontinuation alone. In moderate to severe cases, consideration should be given to management with fluids and electrolytes, protein supplementawe given to management with fluids and electrolytes, protein supplementation, and treatment with an antibacterial drug clinically effective against *C. difficile* colibs. (See **ADVERSE REACTIONS**.)

Telithromeries have the end of the second of the second

colitis. (See **ADVERSE REACTIONS**.)
Telithromycin has the potential to prolong the QTc interval of the electrocardiogram in some patients. OTc prolongation may lead to an increased risk for ventricular arrhythmias, including torsades de pointes. Thus, telithromycin should be avoided in patients with congenital prolongation of the QTc interval, and in patients with ongoing proarrhythmic conditions such as uncorrected hypokalemia or hypomagnesemia, clinically significant bradycardia, and in patients receiving Class IA (e.g., quinidine and procainamide) or Class III (e.g., dofetilide) antiarrhythmic agents.

No cardiovascular morbidity or mortality attributable to OTo prolongation occurred with telithromycin treatment in 4780 patients in clinical efficacy trials, including 204 patients having a prolonged QTc at baseline.

204 patients having a prolonged OTc at baseline.

Exacerbations of myasthenia gravis have been reported in patients with myasthenia gravis treated with felithromycin. This has sometimes occurred within a few hours after intake of the first does of telithromycin. Reports have included life-threatening acute respiratory failure with a rapid onset in patients with myasthenia gravis treated for respiratory tract infections with telithromycin. Telithromycin is not recommended in patients with myasthenia gravis unless no other therapeutic alternatives are not available, patients with myasthenia gravis taking telithromycin must be closely monitored. Patients must be advised that if they experience exacerbation of their symptoms, they should discontinue treatment of KETEK and immediately seek medical attention. Supportive measures should be instituted as medically necessary.

PRECAUTIONS

## PRECAUTIONS

General
Prescribing KETEK in the absence of a proven or strongly suspected bacterial infection or a prophylactic indication is unlikely to provide benefit to the patient and

n or a prophylactic indication is unlikely to provide benefit to the patient and es the risk of the development of drug-resistant bacteria. may cause visual disturbances particularly in slowing the ability to accom and the ability to release accommodation. Visual disturbances include modate and the ability to release accommodation. Visual disturbances included blurred vision, difficulty focusing, and diplopia. Most events were mild to moderate; however, severe cases have been reported.

There have been post-marketing adverse event reports of syncope usually associated with varial syndrome.

uld be cautioned about the potential effects of these visual disturbances and syncope on driving a vehicle, operating machinery or engaging in other tially hazardous activities. (See ADVERSE REACTIONS, CLINICAL STUDIES.)

Hepatic dysfunction, including increased liver enzymes and hepatitis, with or without jaundice, has been reported with the use of KETEK. These events were

generally reversible.

Caution should be used in patients with a previous history of hepatitis/jaundice associated with the use of KETEK. (See ADVERSE REACTIONS, Liver and billiary system.) romycin is principally excreted via the liver and kidney. Telithromy sistered without dosage adjustment in the presence of hepatic imp the presence of severe renal impairment ( $Cl_{\rm CR}$   $\times$  30 mL/min), a reduced dosage of KETEK is recommended. (See **DOSAGE AND ADMINISTRATION**.)

Information for patients
The following information and instructions should be communicated to the patient. The following information and instructions should be communicated to the patients. KETEK may cause problems with vision particularly when looking quickly between objects close by and objects far away. These events include blurred vision, difficulty focusing, and objects looking doubled. Most events were mild to moderate, however, severe cases have been reported. Problems with vision were reported as having occurred after any dose during treatment, but most occurred following the having occurred after any dose during treatment, but most occurred following the first or second dose. These problems lasted several hours and in some patients came back with the next dose. (See **PRECAUTIONS**, **General** and **ADVERSE REACTIONS**.)

- Dack with the next dose, (See PRECAUTIONS, General and ADVENSE REACTIONS.)
   If visual difficulties occur:
   patients should avoid driving a motor vehicle, operating heavy machinery, or engaging in otherwise hazardous activities.
   avoiding quick changes in viewing between objects in the distance and objects nearby may help to decrease the effects of these visual difficulties.
   patients should contact their physician if these visual difficulties interfere with their daily activities.

  Patients should be aware of the possibility of experiencing syncopic (fainting), and

their daily activities.

Patients should be aware of the possibility of experiencing syncope (fainting), and its impact on the ability to drive, especially if they are experiencing vagal symptoms (severe nausea, vomiting, and/or lightheadedness).

If patients experience these symptoms, they should avoid driving a motor vehicle, operating heavy machinery, or engaging in otherwise hazardous activities.

Patients should also be advised:

- atients should also be advised:
  that antibacterial drugs including KETEK should only be used to treat bacterial
  infections. They do not treat viral infections (e.g., the common cold). When KETEK
  is prescribed to treat a bacterial infection, patients should be told that although it
  is common to feel better early in the course of therapy, the medication should be
  taken exactly as directed. Skipping doses or not completing the full course of
  therapy may (1) decrease the effectiveness of the immediate treatment and (2)
  increase the likelihood that bacteria will develop resistance and will not be treatable by KETEK or other antibacterial drugs in the future.

  HAT KETEK has the potential to produce changes in the electrocardiogram (OTc
  interval prolongation) and that they should report any fainting occurring during
  drug treatment.

- Interval protonguous manufacture de drug treatment. That KETEK should be avoided in patients receiving Class 1A (e.g., quinidine, procainamide) or Class III (e.g., dofetilide) antiarrhythmic agents. to inform their physician of any personal or family history of QTc prolongation or proarrhythmic conditions such as uncorrected hypokalemia, or clinically insufficial hypokalemia.
- to inform their physician of any personal or family history of UIc prolongation or proarrhythmic conditions such as uncorrected hypokalemia, or clinically significant bradycardia. It is not recommended in patients with myasthenia gravis. Tatients should inform their physician if they have myasthenia gravis. that simvastatin, lovastatin, or atorvastatin should be avoided in patients receiving KETEK. If KETEK is prescribed, therapy with simvastatin, lovastatin, or atorvastatin should be stopped during the course of treatment. That KETEK tablets can be taken with or without food.
- inform their physician of any other medications taken concurrently with TEK, including over-the-counter medications and dietary supplements.

Drug interactions

Telithromycin is a strong inhibitor of the cytochrome P450 3A4 system. Coadministration of KETEK tablets and a drug primarily metabolized by the
cytochrome P450 3A4 enzyme system may result in increased plasma concentration of the drug co-administered with telithromycin that could increase or prolong
both the therapeutic and adverse effects. Therefore, appropriate dosage adjustments may be necessary for the drug co-administered with telithromycin.

The use of KETEK is contraindicated with cisapride. (See CONTRAINDICATIONS and CLINICAL PHARMACOLOGY, Drug-drug interactions.)

The use of KETEK is contraindicated with pimozide. Although there are no studies looking at the interaction between KETEK and pimozide, there is a potential risk of increased pimozide plasma levels by inhibition of CYP 3A4 pathways by KETEK as with macrolides. (See CONTRAINDICATIONS)

pharmacokinetic study, simvastatin levels were increased due to CYP 3A4 inhin by telithromycin. (See CLINICAL PHARMACOLOGY, Other drug interactions.) Similarly, an interaction may occur with lovastatin or atorvastatin, but not w pravastatin or fluvastatin. High levels of HMG-CoA reductase inhibitors increase risk of myopathy. Use of simvastatin, lovastatin, or atorvastatin concomitantly w risk of myopathy. Use of sim/asiatin, lovastatin, or attivastatin concombantly with KETEK should be avoided. If KETEK is prescribed, therapy with simvastatin, lova-statin, or atorvastatin should be suspended during the course of treatment.

statin, or atorvastatin should be suspended during the course of treatment. Monitoring of digoxin side effects or serum levels should be considered during concomitant administration of digoxin and KETEK. (See CLINICAL PHARMACOLOGY, Drug-drug interactions.)

Patients should be monitored with concomitant administration of midazolam and dosage adjustment of midazolam should be considered if necessary. Precaution should be used with other henzodiazepines, which are metabolized by CVP 3A4 and undergo a high first-pass effect (e.g., triazolam). (See CLINICAL PHARMA-COLOGY, Drug-drug interactions.)

Concomitant treatment of KETEK with rifampin, a CVP 3A4 inducer, should be avoided. Concomitant administration of other CVP 3A4 inducers such as phenylorin, carbarazenine, or benenotarbital is likely to result in subtheraceutic levels of letithromycin.

ed. Concomitant administration of other CYP 3A4 inducers such as phenytoin, carba-macipine, or phenobarbital is likely to result in subtherapeutic levels of leithfromycin and loss of effect (See CLINICAL PHARMACOLORY, Other drug interactions.) In patients treated with metoprolol for heart failure, the increased exposure to metoprolol, a CYP 2D6 substrate, may be of clinical importance. Therefore, oo-administration of KETEK and metoprolol in patients with heart failure should be con-sidered with caution. (See CLINICAL PHARMACOLOGY, Drug-drug interactions.) Spontaneous post-marketing reports suggest that administration of KETEK and oral anticoaquiants concomitantly may potentiate the effects of the oral anticoaq-ulants. Consideration should be given to monitoring porthorom

patients are receiving KETEK and oral anticoagulants simultaneously.

No specific drug interaction studies have been performed to evaluate the following potential drug-drug interactions with KETEK. However, these drug interactions have been observed with macrolide products.

Drugs metabolized by the cytochrome P450 system such as carbamazepine, cyclosporine, tacrolimus, sirolimus, hexobarbital, and phenytoin: elevation of serum levels of these drugs may be observed when co-administered with telithromycin. As a result, increases or prolongation of the therapeutic and/or adverse effects of the concomitant drug may be observed.

Ergot alkaloid derivatives (such as ergotamine or dihydroergotamine): acute ergot toxicity characterized by severe peripheral vasospasm and dysesthesia has been reported when macrolide antibiotics were co-administered. Without further data, the co-administration of KETEK and these drugs is not recommended.

Laboratory test interactions

# **Laboratory test interactions** There are no reported laboratory test interactions

Carcinogenesis, mutagenesis, impairment of fertility
Long-term studies in animals to determine the carcinogenic potential of KETEK have not been conducted.

have not been conducted. Telithromycin showed no evidence of genotoxicity in four tests: gene mutation in bacterial cells, gene mutation in mammalian cells, chromosome aberration in human lymphocytes, and the micronucleus test in the mouse. No evidence of impaired fertility in the rat was observed at doses estimated to be 0.61 times the human daily dose on a mg/m² bais. At doses of 1.8-3.6 times the human daily dose, at which signs of parental toxicity were observed, moderate reductions in fertility indices were noted in male and female animals treated with telithromycin.

Pregnancy

Teratogenic effects: Pregnancy Category C. Telithromycin was not teratogenic in the rat or rabbit. Reproduction studies have been performed in rats and rabbits, with effect on pre-post natal development studied in the rat. At doses estimated to be 1.8 times (900 mg/m²) and 0.49 times (240 mg/m²) the daily hinman dose of 800 mg (492 mg/m²) in the rat and rabbit; respectively, no evidence of fetal terata was found. At doses higher than the 900 mg/m² and 240 mg/m² in rats and rabbits, respectively, maternal toxicity may have resulted in delayed fetal maturation. No adverse effects on prenatal and postnatal development of rat pups were observed at 1.5 times (750 mg/m²/d) the daily human dose.

There are no adequate and well-controlled studies in pregnant women. Telithromycin should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

\*\*Nursing mothers\*\*

Mussing molitors

Telithromycin is excreted in breast milk of rats. Telithromycin may also be excreted in human milk. Because many drugs are excreted in human milk, caution should be exercised when KETEK is administered to a nursing mother. Pediatric use The safety and effectiveness of KETEK in pediatric patients has not been established.

iatric use
II Phase III clinical trials (n=4,780), KETEK was administered to 694 patients
II clinical trials (n=4,780), Tatients who were 75 years and older. in all Phase III clinical trails (n=4,780), KE LEK was administered to 644 patients who were 65 years and older, including 231 patients who were 75 years and older. Efficacy and safety in elderly patients ≥ 65 years were generally similar to that observed in younger patients; however, greater sensitivity of some older individuals cannot be ruled out. No dosage adjustment is required based on age alone. (See CLINICAL PHARIMACOLOGY, Special populations, Geriatric and DOSAGE AND ADMINISTRATION.) ADVERSE REACTIONS

Table 5

ADVERSE REACTIONS
In Phase III clinical trials, 4,780 patients (n=2702 in controlled trials) received daily oral doses of KETEK 800 mg once daily for 5 days or 7 to 10 days. Most adverse events were mild to moderate in severify. In the combined Phase III studies, discontinuation due to treatment-emergent adverse events occurred in 4,4% of KETEK-treated patients and 4,3% of combined comparator-treated patients. Most discontinuations in the KETEK group were due to treatment-emergent adverse events in the gastrointestinal body system, primarily diarrhea (0.9% for KETEK vs. 0.7% for comparators), nausea (0.7% for KETEK vs. 0.5% for comparators). All and possibly related treatment-emergent adverse events (TEAEs) occurring in controlled clinical studies in  $\geq 2.0\%$  of all patients are included below:

All and Possibly Related Treatment-Emergent Adverse Events Reported in Controlled Phase III Clinical Studies (Percent Incidence)						
Adverse Event*	All TEAEs		Possibly-Related TEAEs			
	KETEK n= 2702	Comparator† n= 2139	KETEK n= 2702	Comparator† n= 2139		
Diarrhea	10.8%	8.6%	10.0%	8.0%		
Nausea	7.9%	4.6%	7.0%	4.1%		
Headache	5.5%	5.8%	2.0%	2.5%		
Dizziness (excl. vertigo)	3.7%	2.7%	2.8%	1.5%		
Vomiting	2.9%	2.2%	2.4%	1.4%		
Loose Stools	2.3%	1.5%	2.1%	1.4%		
Dysgeusia	1.6%	3.6%	1.5%	3.6%		

Based on a frequency of all and possibly related treatment-emergent adverse events of 2 2% in KETEK or comparator groups.

† Includes comparators from all controlled Phase III studies.

The following events judged by investigators to be at least possibly drug related were observed infrequently ( $\geq$  0.2% and < 2%), in KETEK-treated patients in the controlled Phase III studies.

controlled Phase III studies.

Gastrointestinal system: abdominal distension, dyspepsia, gastrointestinal upset, fatulence, constipation, gastroenteritis, gastritis, anorexia, oral candidiasis, glossitis, stomatitis, watery stools.

Liver and biliary system: abnormal liver function tests: increased transaminases, increased liver enzymes (e.g., ALT, AST) were usually asymptomatic and reversible. ALT elevations above 3 times the upper limit of normal were observed in 1.6%, and 1.7% of patients treated with KETEK and comparators, respectively.

KETEK, and was reversible. (See PRECAUTIONS, General.)

KETEK, and was reversible. (See PRECAUTIONS, General.)

Nervous system: dry mouth, somnolence, insormia, vertigo, increased sweating Body as a whole: abdominal pain, upper abdominal pain, fatigue Special senses: Visual adverse events most often included blurred vision, diplopia, or difficulty focusing. Most events were mild to moderate; however, severe cases have been reported. Some patients discontinued therapy due to these adverse events. Visual adverse events described the described between the state of the described between the state of the

Females and patients under 40 years old experienced a higher incidence of telithromycin-associated visual adverse events. (See CLINICAL STUDIES.) Urogenital system: vaginal candidiasis, vaginitis, vaginosis fungal

Hematologic: increased platelet count

Other possibly related clinically-relevant events occurring in <0.2% of patients treated with KETEK from the controlled Phase III studies included: anxiety, bradycardia, eczema, elevated blood bilirubin, erythema multiforme, flushing, hypotension, increased blood alkaline phosphatase, increased eosinophil count;

OVERDOSAGE

IVVEHUUSAGE
In the event of acute overdosage, the stomach should be emptied by gastric lavage. 
The patient should be carefully monitored (e.g., EGG, electrolytes) and given symptomatic and supportive treatment. Adequate hydration should be maintained. The
effectiveness of hemodialysis in an overdose situation with KETEK is unknown.

DOSAGE AND ADMINISTRATION
The dose of KETEK tablets is 800 mg taken orally once every 24 hours. The duration of therapy depends on the infection type and is described below. KETEK tablets can be administered with or without food.

Infection	Daily dose and route of administration	Frequency of administration	Duration of treatment
Acute bacterial exacerbation of chronic bronchitis	800 mg oral (2 tablets of 400 mg)	once daily	5 days
Acute bacterial sinusitis	800 mg oral (2 tablets of 400 mg)	once daily	5 days
Community-acquired	800 mg oral		

hepatic impairment.

In the presence of severe renal impairment (CL<sub>CR</sub> < 30 mL/min), including patier who need dialysis, the dose should be reduced to KETEK 600 mg once daily, patients undergoing hemodialysis, KETEK should be given after the dialysis session dialysis days. (See CLINICAL PHARMACOLOGY, Renal insufficiency.)

In the processor of source and impairment (CL<sub>CR</sub> < 30 ml/min), with coexisti

In the presence of severe renal impairment (CL $_{\rm CR}$  < 30 mL/min), with coexisting hepatic impairment, the dose should be reduced to KETEK 400 mg once daily. (See CLINICAL PHARMACOLOGY, Multiple insufficiency.)

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# Post-Marketing Adverse Event Reports: In addition to adverse events reported from clinical trials, the following events have been reported from worldwide post-marketing experience with KETEK. Allergic: face edema, rare reports of severe allergic reactions, including angioedema and anaphylaxis. Gardiovascular; atrial arrhythmias, palpitations Gastrointestinal system: pancreatitis Liver and biliary system: Plepatic dysfunction, including increased liver enzymes, and hepatocellular and/or cholestatic hepatitis, with or without jaundice, has been infrequently reported with telithromycin. This hepatic dysfunction may be severe and is usually reversible. Musculoskeletal: muscle cramps, rare reports of exacerbation of myasthenia gravis. (See WARNINGS.) Nervous system: syncope usually associated with vagal syndrome. s system: syncope usually associated with vagal syndrome.

Infection	Daily dose and route of administration	Frequency of administration	Duration of treatment			
Acute bacterial exacerbation of chronic bronchitis	800 mg oral (2 tablets of 400 mg)	once daily	5 days			
Acute bacterial sinusitis	800 mg oral (2 tablets of 400 mg)	once daily	5 days			
Community-acquired pneumonia	800 mg oral (2 tablets of 400 mg)	once daily	7-10 days			
ETEN be administered without decree adjustment in the assessment						

KETEK may be administered without dosage adjustment in the presence hepatic impairment.

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