Grain Direction: 10.00" Final Fold Down: 2.0" x 1.0" To reduce the development of drug-resistant bacteria and maintain the effectiveness of E.E.S. and other antibacterial drugs, E.E.S. should be used only to treat or prevent infections that are proven or strongly suspected to be caused by bacteria.

Suspected to the caused by pactoria.

DESCRIPTION
Exptromyeria is produced by a stain of
Exptromyeria is produced by a stain of
Sacchaepolypoora egiptraes (lometry Stephanyess
erythroxed and belongs to the macrolide group of
antibiotics. It is basic and readily forms saits with
acids. The base, the slearner sait, and the esters are
poorly soluble in waste. Faythromyeria erlysuscinate is
an ester of erythromycin erlysuscinate of
administration. Exptrymorycin erlysuscinate, the
molecular formula is CythyNov, and the molecular
weight is 862.06. The structural formula is:

BGA: 15/5054 ETHYLSUCCINATE) ERYTHROMYCIN E.E.S.®



E.E.S.® (ERYTHROMYCIN ETHYLSUCCINATE) Rx only Rev. 12/2024

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E.E.S. Granules are intended for reconstitution with water, Each 5-mL teaspoonful of reconstituted cherry-flavored suspension contains erythromycin ethylsuccinate equivalent to 200 mg of erythromycin

The pleasant tasting, fruit-flavored liquids are supplied ready for oral administration.

E.E.S. 200 Liquid: Each 5-mL teaspoonful of fruit-flavored suspension contains erythromycin ethylsuccinate equivalent to 200 mg of erythromycin

E.E.S. 400 Liquid: Each 5-mL teaspoonful of orange-flavored suspension contains erythromycin ethylsuccinate equivalent to 400 mg of erythromycin.

E.E.S. 400 film-coated tablets: Each tablet contains erythromycin ethylsuccinate equivalent to 400 mg of erythromycin.

The film-coated tablets are intended primarily for adults or older children.

Inactive Ingredients: E.E.S. Granules: Citric acid, FD&C Red No. 3, magnesium aluminum silicate, sodium carboxymethylcellulose, sodium citrato, sucroso and artificial flavor.

sodium orbeth, sucrose and entricial tievor. E.E.S. 400 Birn. coacha blables. Confecilioner's sugar (contains corn starch), corn starch, PD&C Red No. 40, magnesium steadae, polarriin polassium, sodium citrate and Opadry* Pink 327.4 4/90055 (concists of the following ingredients D&C Red 420, B&C Vellow #10, glycard monocaprylocarprist. Macrogal (PEG) Polyvinyl. Alcohal Graft Copolymer, polyvinyl alcohal partially hydrolyzod, idea and bitanium dioodie).

E.E.S. 200 Liquid: ED&C Red No. 40, methylographen polysorbate 60, propylparaben, sodium citrate, sucrose water, xanthan gum and natural and artificial flavors.

E.E.S. 400 Liquid: D&C Yellow No. 10, FD&C Yellow No. 6, methylparaben, polysorbate 60, propylparaben sodium citrate, sucrose, water, xanthan gum and natural and artificial flavors.

CLINICAL PHARMACOLOGY

Carly administered crythromycin ethylsuccinate suspensions and film-coated tablets are readily and reliably absorbed. Comparable serum levels of crythromycin are achieved in the fasting and nonfasting states.

Erythromycin diffuses readily into most body fluids. Only low concentrations are normally achieved in the spinal fluid, but passage of the drug across the blood brain barrier increases in meningills. In the presence normal hepatic function, erythromych is concentrate in the liver and excreted in the bile; the effect of in the liver and excreted in the bile; the effect of hepatic dysfunction on excretion of erythromycin by the liver into the bile is not known. Less than 5 percent of the orally administered dose of erythromycin is excreted in active form in the urine.

Erythromycin crosses the placental barrier, but fetal plasma levels are low. The drug is excreted in human milk.

Microbiology
Mechanism of Action
Erythromycin acts by Inhibition of protein synthesis
by binding 905 ribosomal suburits of susceptible
organisms. It does not affect nucleic acid synthesis.

Resistance Resistance
The major route of resistance is modification of the
235 fNNA in the 50S ribosomal subunit to insensitivity
while efflux can also be significant.

Interactions With Other Antimicrobials
Antagonism exists in vitro between ery fromycin and clindamycin, lincomycin, and chlorampaenicol.

Antimicrobial Activity
Erythromycin has been shown to be active against most isolates of the following microorganisms both *in vitro* and in clinical infections *(see Indications ard Usage (1))*.

in clinical infections fee bindealtons and Usage (1)).

beneble bacteria.

Gram-positive bacteria.

Conyrebacterium minulissimum

Listeria monotogenes

Staphylococcus urusu fresistant organisms may
emaga during treatment

Streptococcus preumaniae

Streptococcus preumaniae

Streptococcus progenies

Gram-negative bacteria: Bordetella pertussis Haemophilus Influenzae Legionella pneumophila Neisseria gonorrhoeae

Other microorganisms: Chlamydia trachomatis Entamoeba histolytica Mycoplasma pneumoniae Treponema paliidum Ureaplasma urealyticum

ureapsama ureapticam. The following in Wroodsta are available, but their clinical significance is unknown, At least 90 po cent of the significance is unknown, At least 90 po cent of the following bacteria exhibit in vitro minimum inhibitory concentration (MIO) less than or equal to the susceptible breakpoint for epitymorpic napisaris located of similar genus or organism group, thousever, the efficacy or enthromycin in the tening clinical infections caused by these bacteria has not been establishes in adequate and well-controlled clinical trials.

Aerobic bacteria Gram-positive bacteria: Viridans group streptod

Gram-negative bacteria: Moraxella catarrhalis

Susceptibility Testing
For specific information regarding susceptibility test
interpretive criteria and associated testunethods and
quality control standards recognized by FDA for this drug,
please see: https://www.fda.gow/STIC.

INDICATIONS AND USAGE
To reduce the development of drug-resistant bacteria INDICATIONS AND USAGE. To reduce the development of drug-resistant bacteria, and maristain the effectiveness of E.E.S. and other antibacterial drugs, E.E.S. should be used only be treat or prevent infections that are proven or sturryly suspected to be caused by susceptible bacteria. When cauther and susceptibility information are available, they should be considered an election or modifying critificaterial to the considered in subsection or modifying critificaterial content of the considered in succeptibility information are available, they should be considered in subsection or modifying critificaterial contents of the considered in succeptibility and the content of the co

E.E.S. is indicated in the treatment of infections caused by susceptible strains of the designatec organisms in the diseases listed below:

diseases listed below: Upper respiratory tract infections of mixt to moderate degree caused by Stepheocous progrens: Stepheocous presumania, or thereshpilian influenzae (when used concorritantly with adequate disease of sudnomindes, since many strains of thefilibenzae are not susceptible to the enythromyclin con centralisms ordinarily achieved, (See appronish e. She progrands e. silonamide labeling for prescribing information.)

Lower-respiratory tract infections of mid to moderate seventy caused by Streptococcus pneumoniae or Streptococcus pyogenes.

Listeriosis caused by Listeria monocytogenes.

Pertussis (whooping cough) caused by genreletals pertussis. Enythromycin is effective in etiminating the organism from the necophagynx of infected individuals rendering them nonintection s. Some clinical studies suggest that erythromycin may be helpful in the prophyloxis of pertussis in exposent susceptible individuals.

Respiratory tract infections due to My=oplasma pneumoniae.

Skin and skin structure infections of mid to moderate severity caused by Streptococcus pyogenes or Staphylococcus aureus (resistant staphylococci may emerge during treatment).

Diphtheria: Infections due to Corynebac.erium diphtheriae, as an adjunct to antitoxin, to prevent establishment of carriers and to eradicate the organism in carriers.

Erythrasma: In the treatment of infections due to

Intestinal amebiasis caused by Entamoeba histolytica (oral erythromycins only). Extraenteric amebiasis requires treatment with other agents.

Treatment with order agents. Acute polivic inflammatory disease caused by Neisseria gonorhieae: As an alternative drug in treatment of acute polivic inflammatory disease caused by N. gonorhieae: in ternale palients with a history of sessibility to perfulial. Palients should have a serologic test for synthis before receiving arythromycin ser-treatment of gonomica and a follow-up serologic test for treatment of gonomica and a follow-up serologic test for syphilis after 3 months.

Syphilis caused by *Treponema pallidum*: Enythromycin is an alternate choice of treatment for primary syphilis in an alternate choice of treatment for primary syphilis in patients altergic to the penicillins. In treatment of primary syphilis, spinal fluid examinations should be done before treatment and as part of follow-up after therapy.

Erythromycins are indicated for the treatment of the following infections caused by Chlamydia trachomas following infections caused by *Othamydia trachomatis*: conjunctivities of the newtorn, preumonal at infancy, and uropenital infections during pregnancy. When tetracytines are contraindicated or not tolerated, enythromycin is indicated for the treatment of uncomplicated urethral, endocentical, or rectal infections in adults due to *Chlemydia trachomatis*.

treagneem. Legionnaires' Disease caused by Legionella pneumophila Although no controlled clinical efficacy studies have been conducted, in vitro and limited preliminary clinical data suggest that erythromycin may be effective in treating Legionnaires' Disease.

Legionnaires uncerson.

Prophyladis:
Prevariilor of initial Attacks of Rheumatic Fever
Pericilla is considered by the American Heart Association
to be the drug of choice in the prevention of initial attacks
of rheumatic fever (treatment of Streptocaccus progenis
infections of the upper respiratory tract, cg., consillus or
pharyngilis). Erythromycin is indicated for the treatment
of pericillam-letting patients:

Anne should be administered for 10 days.

The threspeutic dose should be administered for 10 days. Prevention of Becument Attacks of Hammatic Fever Pencillation or sulfonamides are considered by the American Heart Association to be the drugs of choice in the prevention of recurrent attacks of rhoumatic fever. In patients who are allegric to pencifical and sulfonamides, or all erythromychis is recommended by the American Heart Ascociation in the long-term prophysics of streptococcup phasyngits for the prevention of recurrent attacks of thenumatic fever.)

CONTRAINDICATIONS

Erythromycin is contraindicated in patients with known hypersensitivity to this antibiotic.

Erythromycin is contraindicated in patients taking terfenadine, astemizole, pimozide, or cisapride (see PRECAUTIONS – Drug Interactions).

Do not use erythromycin concomitantly with HMG CoA reductase inhibitors (statins) that are extensivel metabolized by CYP 3A4 (lovastatin or simvastatin), due to the increased risk of myopathy, including rhabdomyolysis

WARNINGS

WARNINGS
Hepatotaxical Hepatotaxical The Hepatotaxical The Hepatotaxical Three have been reports of hepatic dysfunction, including increased liver enzymes, and hepatocellular and/or cholestatic hepatitis, with or without journal co, occurring in patients receiving onal enythromycin products.

in patients receiving oral erythromycin products.

If Prolongytion
Erythromycin has been associated with prolongation of
the OT Toleray and infrequent cases of arrhythmia. Cases
of lorsostes de pointes have been spontaneusly reported
during postimatelying surveillance in patients receiving
erythromycin. Fatallities have been reported. Erythromycin
should be avoided in patients with known prolongation
of the OT interval, patients with engoing posarrhythmic
conditions such as unconveed hypodelman or
hypomagnosomia, clinically significant bradyscrafia, and
in patients receiving Class Nej fusificant, procedamatic or
Class III (defellide, amiodarons, solable) antientythmic
agents. Eldory patients may be more ausceptible to
drug-associated effects on the OT interval.

Syphilis in Preparacy
There have been reports suggesting that erythronycin
does not reach the fatus in adequate concentration
to prevent congenital syphilis. Infants born to women
treated during pregrampy with oral erythromycin for
early syphilis should be treated with an appropriate
penicillin regimen.

Cleatridium difficile Associated Diarrhea
Cleatridium difficile associated diarrhea (CDAD) has
been reported with use of nearly all antibacterial
agents, including E.E.S., and may range in severity
from mild diarrhea to fatal collitis. Treatment with antibacterial agents alters the normal flora of the colon leading to overgrowth of *C. difficile*.

codon leading to overgrowth of *C. difficile*. *C. difficile* produces towns A and 8 which contribute to the development of CDAD. Hyperfloxin producing strains of *C. difficile* acuss increased morbifolity and mortality, as these infections can be refractory to antimicrobial therapy and many require colectomy. CDAD must be considered in all patients who present with diarrhea following antiblotic use. Careful medical history is necessary since CDAD has been reported to occur over two months after the administration of antiblacterial agents.

If CDAD is suspected or confirmed, ongoing antibiotic use not directed against C. difficilo may need to be discontinued. Appropriate fluid and electrolyte management, protein supplementation, antibiotic treatment of C. difficile, and surgical evaluation should be instituted as clinically indicated.

Should be fine-mean a common monatorial programment of Drug Interactions
Serious adverse reactions have been reported in patients taking erythromyoin conconitantly with cocholine; that obtaines, that on monatorial programment of the common calcium channel blockers metabolized by CYP3A4 (e.g., verapamil, amlodipine, diltiazem) (see PRECAUTIONS – Drug Interactions).

There have been post-marketing reports of colchicing There have been post-marketing reports of coloricine toxicity with concomilant use of erythromycin and colchicine. This interaction is potentially life-threatening, and may occur while using both drugs at their recommended doses (see PRECAUTIONS — Drug Interactions).

urung imeracuonas, Rhabdomyolysis with or without renal impairment has been reported in soricusty ill patients receiving erythromycin concomitantly with lovastatin. Therefore, patients receiving concomitant lovastatin and erythromycin should be carefully monitored for creative kinase (OK) and Serum transaminase lovels. (See package insert for lovastatin.)

PRECAUTIONS

General Prescribing E.E.S. in the absence of a proven Prescribing 2.2.5. In the absence of a proven or strongly suspected bacterial infection or a prophylactic indication is unlikely to provide benefit to the patient and increases the risk of the development of drug-resistant bacteria.

Since erythromycin is principally excreted by the liver, caution should be exercised when erythromycin is administered to patients with impaired hepatic function (see CLINICAL PHARMACOLOGY and WARNINGS sections).

Exacerbation of symptoms of myasthenia gravis and new onset of symptoms of myasthenic syndrome have been reported in patients receiving erythromycin therapy.

enythromycin therapy.

There have been reports of infantile hypertrophic pyloric stenosis (IHPS) cocurring in infants to infollowing enythromycin therapy, in one cohort of 157 newborns who were given enythromycin for pertussis prophysics, seven neonates (5%) developed symptoms of non-billious vomitling or irritability with feeding and were subsequently diagnosed as having IHPS requiring surgical pyloromycomycy, possible dose-response effect was described with an absolute risk of IHPS of 5.1% for infants who look erythromycin for \$1 a 14 days and 10% for infants who look erythromycin for \$15 to 14 days. to 21 days.

to 21 days.²
Since erythromycin may be used in the treatment of conditions in infants which are associated with significant mortality or morbidity (such as perfusais or neonatal Chianyvia trachomatis infections) the benefit of erythromycin threapy needs to be weighed against the potential risk of developing HPS-. Parents should be informed to confact their physician if vemiting or irritability with feeding occurs.

Prolonged or repeated use of erythromycin may result in an overgrowth of nonsusceptible bacteria or fungi. If superinfection occurs, erythromycin should be discontinued and appropriate therapy instituted.

When indicated, incision and drainage or other surgical procedures should be performed in conjunction with antibiotic therapy.

Information for Patients

Information for Faulents
Patients should be counseled that antibaclerial
drugs, including E.E.S., should only be used to treat
bacterial infections. They do not treat viral infections
(e.g., the common cold), When E.E.S. is prescribed
to treat a bacterial infection, patients should be told 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) docrease the effectiveness of the immediate textament and (2) increase the likelihood that bacteria will develop resistance and will not be frealable by E.E.S. or other antibiacterial drugs in the future.

ambacterial drugs in the future. Diamete is a common problem caused by antibiotics which usually ends when the antibiotic is discontinued. Sometimes after sturing invatiment with antibiotics, patients can develop watery and bloody stools (with or without stomach eramps and fever) even as lafe as two or more months after having blacen the last dose of the antibiotic. If this occurs, patients should combact their phasicians econo as proceible. their physician as soon as possible

Drug Interactions

Theophylinine use in patients who are receiving high closes of theophylline may be associated with an increase in serum theophylline levels and potential theophylline toolid; In case of theophylline toolid; and/or elevated somum theophylline levels, the dose of theophylline stool do reduced with the patient is receiving concomitant erythromycin therapy.

There have been published reports suggesting that when oral erythromycin is given concurrently with theophylline there is a decrease in erythromycin when oral erythromycin is given concurrently with theophylline there is a decrease in erythromycin serum concentrations of approximately 35%. The mechanism by which this interaction occurs is unknown. The decrease in erythromycin concentrations due to co-administration of theophylline could result in subtherapeutic near extractions of path consent. concentrations of erythromycin

Hypotension, bradyarrhythmias, and lactic acidosis

rypudension, bladyarnypumas, and lactic actions have been observed in patients receiving concurrent verapamil, belonging to the calcium channel blockers drug class.

Digoxin
Concomitant administration of erythromycin and digoxin has been reported to result in elevated digoxin serum levels.

Anticoagulants
There have been reports of increased anticoagulant
effects when erythromycin and oral anticoagulants
were used concomitantly, increased anticoagulants
and the concomitant increased anticoagulants may be more pronounced
in the activity. in the elderly.

in the elderly.

Eythromych is a substrate and inhibitor of the 34 isoform subdamily of the cytochrome p450 enzyme system (CP34). Coadministration of eythromych and drug primarily metablacted by CP34 may be associated with elevations in drug concentrations that could increase or protroly both the thrapeutic and adverse effects of the concentrations. Disasperation of the conditions of the

Collaminary tearning of yarannyam. The following see examples of some clinically significant CYF3A based drug interactions interactions with other drugs metabolized by the CYF3A Isoform are also possible. The following CYF3A based drug interactions have been observed with erythromycin products in post-marketing experience:

enythromycin products in post-markelling experience: Egoplaminicathyraregotamine Post-markelling reports indicate that coadministration of enythromycin with enytherine or dihydrocepolamine has been associated with acute ergot toxicity characterized by vascopsam and isohernia of the extremities and other itssues induting the central nervous system. Concomitant administration of enythromycin with engolamine or dihydrocytoximie is contralandated (see CONTRAINDICATIONS).

Triazolobenzodiazepines (such as triazolam and algrazolam) and related benzodiazepines Erythromycin has been reported to decrease the clearance of triazolam and midazolam, and thus, may increase the pharmacologic effect of these

HMG-CoA Reductase Inhibitors Erythromycin has been reported to increase concentrations of HMG-CoA reductase inhibitors (e.g., lovastatin and simvastatin). Rare reports of rhabdomyolysis have been reported in patients taking these drugs concomitantly

Sildenafil (Viagra)

Sildentiff (Magna) Enthromycin has been reported to increase the systemic exposure (AUC) of alidentiff. Reduction of alidentiff decage should be considered. (See Wagn package insert.) There have been spontaneous or published reports of CPFA based interactions of enythromycin with cyclosporine, contaminazagine, shouthers, alidentani, discipyramide, intaktini, paridiation, and bytyperofisiolone, clostaco, visitoriane, and bramocraphine.

cilostazol, vinblastine, and promocripune.

Concomitant administration of erythromycin with

concide pimozide astemizole, or terfenadine is cisapride, pimozide, astemizole, or tertenado contraindicated (see CONTRAINDICATIONS)

In addition, there have been reports of interactions of enthromycin with drugs not thought to be metabolized by CYP3A, including hexobarbital, phenytoin, and valproate.

CITYSA, Including nexobabilist, phenylofin, and valgreate. Etythromych has been reported to significantly after the metabolism of the nonsectating antilistentines terferandine and asternized when taken concomitantly. Rare cases of serious cardiovascular adverse events, including electroardiographic OTIGY, interval prolongation, cardiac arrest, torsades de pointes, and other ventricular arrhythmists have been observed (see CONTRAINDICATIONS). In addition, deaths have been reported rarely with concomitant administration of terfenadine and enythromycist.

There have been post-markeling reports of drug internctions when erythromycin is co-administered with cisapide, resulting in OT protongation, cardiac arrhythmas, ventricular stachycardia, ventricular schiyacardia, ventricular schiyacardia, ventricular schiyacardia, ventricular schiyacardia, ventricular schiyacardia, ventricular schiyacardia, most likely due to inibilition of hepatic metabolism of cisapidis by erythromycin. Fabilities have been reported (see CONTRAINDICATIONS).

Colchicine
Colchicine is a substrate for both CYP3A4 and the concurring is a support after fur bour C7Y3A4 and the efflux transporter P-glycoprotein (P-gp), Erythromycin is considered a moderate inhibitor of CYP3A4. A significan increase in colchicine plasma concentration is anticipate when co-administered with moderate CYP3A4 inhibitors such as anticomorph. We applied interest of Archibitors such as anticomorph. when co-administered with moderate CYP344 inhibitors such as erythroxyni. It en-administration of colerbine and erythromycin is necessary, the starting dose of colciticine may need to be reduced, and the maximum colciticine dose should be lowered, Patients should be monitored for clinical symptoms of colciticine toxicity (see WARNINGS).

Drug/Laboratory Test Interactions: Erythromycin interferes with the fluorometric determination of urinary catecholamines.

determination of urinary catecholamines. Carcinogenesis, Nutlagenesis, Impairment of Fertility. Long-lenn and distary studies conducted with epithomysis claserate in rate up to 400 migkofety and in mice up to about 500 mig/optiary (approximately 1 to 2 field of the maximum human doce on a body surface area basis) did not provide evidence of tumorigenicity. Englir composit secretal citi did not show generated providential in the Armes, and mouse lymphoma. sensitive political in lexines, and noise symphosis seasys or induce chromosomal aberrations in CHO cells. There was no apparent effect on male or female fertility in rats treated with erythromycin base by oral gavage at 700 mg/kg/day (approximately 3 times the maximum human dose on a body surface area basis).

human dose on a body surface area basis). Penganacy .
Tendagonic Effects .
There is no evidence of tendagenicity or any other adverse effect on reproduction in female rats fed sylthomych base by one (gasage at 354 mg/kg/day approximately whice the madimum in commanded human dose on a body saffice area plyfor to and during matting, during gestation, and through wearing. No evidence of tendagenicity or embryotoxicity was disserted when enythromych base was given by oral gavage to pregnant rats and mice at 700 mg/kg/day and to pregnant rats and mice at 700 mg/kg/day and to 3 mg/ms the maximum recommended human dose).

Labor and Delivery: The effect of erythromycin on labor and delivery is

Nursing Mothers: Erythromycin is excreted in human milk. Caution should be exercised when erythromycin is administered to a nursing woman.

Pediatric Use: See INDICATIONS AND USAGE and DOSAGE AND ADMINISTRATION sections.

Geriatric Use:
Elderly patients, particularly those with reduced renal or hepatic function, may be at increased risk for developing cythromycin-induced hearing loss (see ADVERSE REACTIONS and DOSAGE AND ADMINISTRATION).

Elderly patients may be more susceptible to the development of torsades de pointes arrhythmias than younger patients (see WARNINGS).

Elderly patients may experience increased effects of oral anticoagulant therapy while undergoing treatment with erythromycin (see PRECAUTIONS - Drug Interactions).

E.E.S.* Granules contains 25.9 mg (1.* mEq) of sodium per individual dose. The geriatric population may respond with a blunted natifuresis to salt loading. This may be clinically important with regard to such diseases as congestive heart failure.

E.E.S. 400 film-coated contains 47 mg (2 mEq) of sodium per tablet and 10.0 mg (0.3 mEq) of potassium per tablet.

ADVENSE REACTIONS
The most frequent side effects of oral arythromycin preparations are pastronitestinal and are dose-related. They include nause, vorniting, abord maj pain, diserbea and anorexis. Symptoms of Irepatilis, hepatic dysfunction and/or abnormal liver function test results may occur (see WARNINGS section).

Onset of pseudomembranous colitis symptoms may occur during or after antibacterial treatment (see WARNINGS section).

Erythromycin has been associated with QT prolongation and ventricular arrhythmias, including wentricular tachycardia and torsades de pointes (see WARNINGS).

Allergic reactions ranging from urticara to anaphylaxis have occurred. Skin reactions ranging from mild eruptions to erythema multiforme, Stevens-Johnson syndrome, and toxic epidermal necrol sis have been syndrome, and t reported rarely.

There have been reports of interstitial nephritis coincident with erythromycin use.

There have been rare reports of pancreatitis and

There have been isolated reports of reversible hearing loss occurring chiefly in patients with renal insufficienc and in patients receiving high doses or erythromycin.

OVERDOSAGE

OVERDOSAGE
In case of overdosage, erythromycin saould be
discontinued. Overdosage should be handled with the
prompt elimination of unabsorbed drug and all other
appropriate measures should be instituted.

Erythromycin is not removed by peritoneal dialysis or hemodialysis.

DOSAGE AND ADMINISTRATION
Erythromycin ethylsuccinate suspensions and film-coated tablets may be administered without ragard to meals.

Children
Ago, weight, and severity of the infection are important.
factors in determining the proper doscipe. In mild to
modutate infections, the usual disasped entythomycin
ethylsuscinate for children is 30 to 50 mg/kg/dray in
equally divided doses every flows. The more severe
infections, this dosage may be doubted. If twice-a-clay
dosage is desired, one-half of the lots, dily dose may
be given every 12 hours. Doses may also be given
three times daily by administering one-third of the total
daily dose enery 8 hours. Children

The following dosage schedule is suggested for mild to moderate infections:

Body Weight	Total Dail Dose	
Under 10 lbs	30 to 50 m g/kg/day 15 to 25 m g/lb/day	
10 to 15 lbs	200 mg	
16 to 25 lbs	400 mg	
26 to 50 lbs	800 mg	
51 to 100 lbs	1200 mg	
over 100 lbs	1600 mg	

Adults
400 mg crythromycin ethylsuccinate e-ery 6 hours is the usual dose. Dosage may be increased up to 4 g per day according to the severity of the infection. It livide-early dosage is desired, one-half of the total clay dose may be given every 12 hours. Doses may also be given the times daily by administering one-third -if the total daily dose every 8 hours.

For adult dosage calculation, use a ratio of 400 mg of erythromycin activity as the ethylsuccinate to 250 mg erythromycin activity as the stearate, base or estolate.

erymonyon actively as the stearate, base or estoate. In the treatment of stepleococcil infections, a therapeutic dosage of erythromyoin ethylsuccinate should be administered for a iteast 10 days, in crofitnious prophyladis against recurrences of streptococcal infections in persons with a history of recumatic heart disease, the usual dosage is 400 mg brice a day.

For Treatment of Urethritis Due to C. trachomatis or U. urealyticum 800 mg three times a day for 7 days.

For Treatment of Primary Syphilis Adults. 48 to 64 g given in divided doses over a period of 10 to 15 days. For Intest Inal Amehiasis Adults. 400 mg four Ilmes daily for 10 to 14 days. Children: 30 to 50 mg/kg/day in divided doses for 10 to 14 days.

Although optimal dosage and duration have not been established, doses of erythromycin utilized in reported clinical studies were 40 to 50 mg/kg/day, given in divided doses for 5 to 14 days.

For Treatment of Legionnaires' Disease Although optimal doses have not been established, doses utilized in reported clinical data were those recommended above (1.6 to 4 g daily in divided doses).

Directions for Mixing E.E.S. Granules

Add 77 mL water and shake vigorously. This makes 100 mL of suspension.

200 mL Add 154 mL water and shake vigorously. This makes 200 mL of suspension

HOW SUPPLIED

HOW SUPPLIED
E.E.S. Granules 200 mg per 5 mL (erythromycinethylsuccinate for onal suspension, USP) are pink
granules with a cherry aroma and are supplied in
100-mL (ND 60005-152-18) and 200-mL (NDC
80005-153-34) size bettles. Following reconstitu
E.E.S. Granules become a pink opaque suspensix
a cherry aroma. a cherry aroma.

E.E.S. 400 film-coated tablets (erythromycin ethylsuccinate tablets, USP) 400 mg, are supplied as pink oval tablets imprinted with the two letter designation, EE, in:

Bottles of 30 (NDC 80005-161-08) Bottles of 100 (NDC 80005-162-11)

Recommended Storage Store at 20° to 25°C (68° to 77°F) [See USP Controlled Room Temperature].

Store granules, prior to mixing, at 20° to 25°C (68° to 77°F) [See USP Controlled Room Temperature]. After mixing, refrigerate and use within 10 days.

mittadil, demogratise and use minute or support of the REFERENCE Committee on Rheumatic Fever, Endocarditis, and Kawasaki Disease of the Council on Cardiovascial Disease in the Young, the American Heart Association: Prevention of Rheumatic Fever. Circulation, 74(4): 1022-1086, october 1988.

2. Honein, M.A., et al.: Infantille hypertrophic pyloric stenois safler perfussis prophysics with erythromycin: a case review and cohort study. The Lancet 1999;354 et 1999;254 et 1999;254 et 1999;254 et 1999;254 et 1999;254 et 1999;255 et 19

(9196): 2101-5.



TEMPLATE: #11 Width: 10.00" Length: 10.00" Grain Direction: 10.00"

Final Fold Down: 2.0" x 1.0"



JOB SPECIFICATION FORM

Customer Name: Carnegie Pharmaceuticals LLC

Artwork #: 13586

Customer Rep: Bhagyesh Pendse

Date Submitted: 12/9/24

JOB INFO

Job Name: E.E.S.® (ERYTHROMYCIN ETHYLSUCCINATE) Rx only

Type: New Design (✓)

Reprint ()

File Name: 13586 PIL EES PI 04 (Carnegie)

JOB TYPE: (/) Insert

() Med Guide

() Patient Guide

Rev: 12/2024

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Grain direction: 10.000"

Manufacture by: Carnegie Pharmaceuticals LLC

Manufacture for: NA

Fold Type: RTA

Flat Size: 10.000" x 10.000"

Final Folded size: 1.000" x 2.000"

Finishing For Padding: NA

Customer Item #: EES-PI-04

Barcode Reader: NA Barcode Type:

Paper Stock: 27# Pharmaopaque

Ink: Black 1/1

Notes

Fonts: Helvetiva Neue LT Std Condensed, Condensed Oblique, Bold Condensed, Bold Condensed Oblique Minimum font size: 6.25 points

APPROVED: OK to Print \ DATE:

DATE OF APPROVAL: 12/16/24

Approved By:

Amil

MedLit Solutions Inc. is not responsible for errors on printed product that appear on this proof.

^{*} Please review in detail for Layout, Content, Spelling, Spacing, Grammar, Structures, Colors, Barcode and all Specs related to this Artwork.