

پلوکس گویاں

(پیوفلکسین)

ا جائے ترمیٰ اور وضاحت:

پلوکس (250) اور 500 ملی گرام (پیوفلکسین) میں لیو، فاکس ان بیور ہائل جیسے ہیں۔

علامات:

پلوکس کی درمیانی اور شدید تر ہم کے بکھر میں ایک ٹکھن کے علاج میں بکھر ہے جس میں ٹھیک سائنس کی نالیں کی سوڑش (Inflammation of the lower airways) شدید ہائی (Acute exacerbation of chronic bronchitis) ہے۔

ہمیشہ سوڑش (Acute sinusitis) (جذبائی پیوفلکسین کے نالیں دیوبداہیں)۔

خوارک:

پلوکس 250 ملی گرام اور 500 ملی گرام کی خوارک 24 گھنٹیں ایک مرتبہ۔

خوارک کا احساس رانی کی شدت پر ہے۔

پلوکس گویاں چائے زیاد پانی (Liquid) کے ساتھ لے لیں۔

مانع پرائے علاج:

پیوفلکسین یا کسی دسرے کینولون (Quinolones) سے ہی جس

ہرگزی کے مرتباً جوئے زیاد پانی (Hypersensitivity) کے مرتباً استعمال کریں۔

مخفی مضرات:

جلدی بیٹھاتا، جنی، بوس، بیک، کاتلکنا، ای، سردوں پر چڑائے۔

میکنگ:

پلوکس 250 ملی گرام کی 10 گویوں پر مشتمل ہے۔

پلوکس 500 ملی گرام کی 10 گویوں پر مشتمل ہے۔

خوارک اکثر کی بہایت کے طبق استعمال کریں۔

صرف محدود اکثر کے نزدیک افراد کی جائے۔

تمام ادویات بچوں کی بھی سے دور بھیں۔

دو ایک کے درجہ حرارت ہے 20 اور 25 بیجی بیچ پر بھی۔

گریٹی اور ایکسپ سے بچائیں۔

Pulvlox Tablets

(Levofoxacin)

250 mg & 500 mg Tablets

Composition:

Pulvlox 250 mg Tablet: Each film coated tablet contains 256.23 mg of levofoxacin hemihydrate equivalent to 250 mg of levofoxacin.

Pulvlox 500 mg Tablet: Each film coated tablet contains 512.45 mg of levofoxacin hemihydrate equivalent to 500 mg of levofoxacin.

Description:

Pulvlox (Levofoxacin) is a synthetic broad-spectrum antibacterial agent. Chemically, levofoxacin, a chiral fluorinated carboxyquinolone, is the pure (-)-(S)-enantiomer of the racemic drug substance ofloxacin with a chemical name of (-)-(S)-9-fluoro-2,3-dihydro-3-methyl-10-(4-methyl-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-[1,4]benzoxazine-6-carboxylic acid hemihydrate.

Clinical Pharmacology:

Mechanism of Action:

Levofoxacin is the L-isomer of the racemate, ofloxacin, a quinolone antimicrobial agent. The antibacterial activity of ofloxacin resides primarily in the L-isomer. The main mechanism of action of levofoxacin involves the inhibition of bacterial topoisomerase IV and DNA gyrase (both of which are type II topoisomerases), enzymes required for DNA replication, transcription, repair and recombination. Levofoxacin has in-vitro activity against the following gram-negative and gram-positive micro-organisms. It is often bactericidal at concentrations equal to or slightly greater than inhibitory concentration. It is generally considered to be about twice as active as its isomer, ofloxacin.

Antibacterial Activity:

Pulvlox (levofoxacin) is a wide-spectrum antibacterial agent against gram-positive and gram-negative bacteria, including anaerobes. Pulvlox (Levofoxacin) has shown strong antibacterial activities against *Staphylococcus* spp., *Streptococcus* Pneumoniae, *Streptococcus* Pyogenes, *Streptococcus* hemolyticus, *Enterobacter* spp., *Escherichia coli*, *Klebsiella* spp., *Serratia* spp., *Enterococcus* spp., *Proteus* spp., and other glucose-6-phosphate dehydrogenase deficiency (a hereditary disease) may be prone to destruction of red blood cells (hemolysis) when treated with quinolone antibacterial agents, so Pulvlox (Levofoxacin) should be used with caution in these patients.

Some side-effects of Pulvlox (Levofoxacin) like vertigo, dizziness, drowsiness, visual disturbances may impair ability to concentrate and react. This may constitute a risk in situations where these abilities are of special importance (e.g., driving a car or operating machinery, working without secure hold). This especially applies to the combination with alcohol.

With rare administration of Pulvlox (Levofoxacin), it is recommended that patients should not expose themselves unnecessarily to strong sunlight or to artificial UV rays (e.g., Sunray lamp, solarium), in order to prevent photosensitisation.

The doctor has to be immediately informed, if severe, persistent and/or bloody diarrhoea occur during or after treatment with Pulvlox (Levofoxacin). These may be symptomatic of a severe inflammation of the intestine (enterocolitis), induced by the antibiotic treatment. If pseudomembranous colitis is suspected, the treatment with Pulvlox (Levofoxacin) must be stopped immediately and an appropriate therapy must be initiated without delay. Products inhibiting the peristalsis must not be administered in these cases. Tendonitis, rarely observed with quinolones, may occasionally lead to rupture, involving Achilles tendon in particular. Elderly patients are more prone to tendonitis. The risk of tendon rupture may be increased by co-administration of corticosteroids. If tendonitis is suspected, medical advice is to be asked for immediately, treatment with Pulvlox (Levofoxacin) must be halted, and the affected tendon must be treated appropriately, e.g., immobilization.

Patients with glucose-6-phosphate dehydrogenase deficiency (a hereditary disease) may be prone to destruction of red blood cells (hemolysis) when treated with quinolone antibacterial agents, and so Pulvlox (Levofoxacin) should be used with caution in these patients. Headache, vertigo/dizziness, drowsiness, sleeping problems, paraesthesia, e.g., like tingling in the hands, trembling, restlessness, anxiety, convulsions and confusions. Effects on cardiovascular system: Abnormally rapid beating of the heart, drop of blood pressure and circulatory (shock like) collapse. Effects on muscles, tendon and bones: Tendon pain including inflammation, joint pain or muscle pain. Tendon rupture (Achilles Tendon). This side effect may occur within 48 hours after starting treatment and may be bilateral. Muscular weakness, which may be of special importance in patients with myasthenia gravis (a rare disease of nervous system). Effects on liver and kidney: Increased levels of enzymes, (e.g., ALT, AST) increased levels of bilirubin and serum creatinin. Inflammation of the liver, disturbance of kidney function up to kidney failure. Effects on the blood: Increase of certain blood cells, (eosinophilia) decrease in the number of white blood cells (Leukopenia). Other Reactions: General weakness, fever, allergic inflammation of the lung (allergic pneumonitis) or of small blood vessels (vasculitis). Any antibacterial treatment may lead to a disturbance of the micro-organisms that are normally found in humans.

Drug Interactions:

If you take concomitantly other drugs, ask your doctor or pharmacist, whether they are one of the here mentioned drugs. This also applies to drugs, which were not prescribed by your doctor. There are indications of a pronounced lowering of the cerebral seizure threshold when quinolones are given concurrently with other agents which lower the seizure threshold (e.g., theophylline). This applies also to the concomitant administration of quinolones and ferulic or non-steroidal anti-phlogistics.

The effect of Pulvlox (Levofoxacin) is significantly reduced when administered together with sucralfate. This also applies to concomitant administration of magnesium or aluminium containing antacids or of iron salts. Pulvlox (Levofoxacin) tablets should be taken at least 2 hours before or after administering of these preparations.

The elimination (renal clearance) of Pulvlox (Levofoxacin) was slightly reduced by cimetidine and probenecid. However, these interactions are unlikely to be of clinical relevance. Pulvlox (Levofoxacin) should be given carefully when it is coadministered with drugs that affect a certain mode of elimination (tubular secretion) such as probenecid and cimetidine. This applies especially to patients with impaired renal function. The half-life of cyclosporin was slightly increased when coadministered with Pulvlox (Levofoxacin).

Dosage and Administration:

Pulvlox (Levofoxacin) 250 mg, 500 mg tablets are administered orally every 24 hours. The dosage depends on the type and severity of the infection and the sensitivity of the suspected causative pathogens.

The following dose recommendation can be given for Pulvlox (Levofoxacin) tablets:

Dosage in Patients with Impaired Hepatic Functions: No dose reduction is required, because Pulvlox (Levofoxacin) is not significantly metabolized by the liver.

Dose in Elderly: No adjustment of dosage is required in the elderly, other than imposed by consideration of renal function.

Contraindications:

Pulvlox (Levofoxacin) tablets must not be administered if any of the following conditions applies to any of the following patients group:

Hyper-sensitivity to Pulvlox (Levofoxacin), or other quinolone antibiotic, patients who suffer from epilepsy, patients with a history of tendon disorders related to treatment.

Dosage in patients with normal Renal function (Creatinine Clearance > 50 ml/min)		
Indications	Daily Dose (mg)	Duration (Days)
Adult bacterial sepsis	250 mg bid or 500 mg od	7-14
Acute bacterial exacerbation of Chronic bronchitis	250 mg bid or 500 mg od	7
Community-acquired Pneumonia	250 mg bid or 500 mg od	7-14
Noncavitated pneumonia	250 mg od	7-14
Typhoid and Paratyphoid fever	250 mg bid or 500 mg od	7-14
Uncomplicated skin and soft tissue infections	250 mg od	7-14
Complicated skin and soft tissue infections	250 mg od	5
Uncomplicated urinary tract infections	250 mg od	5
Complicated urinary tract infections	250 mg od	10
Adult Pneumonia	250 mg od	10

Dosage in patients with Impaired Renal function (Creatinine Clearance < 50 ml/min)		
	Dosage Regimens	
Creatinine Clearance	Initial Dose	Initial Dose
50-20 ml/min	250 mg/24 hour	500 mg/24 hour
No adjustment	250 mg/48 hour	500 mg/48 hour
10-10 ml/min	250 mg/48 hour	500 mg/48 hour
Hemodialysis & CAPD	250 mg/48 hour	250 mg/48 hour

NOTE: No additional doses are required after hemodialysis or continuous ambulatory peritoneal dialysis (CAPD).

Method of Administration

Pulvlox (Levofoxacin) tablets should be swallowed without crushing with sufficient amount of liquid. The tablets may be taken during meals or between meals.

Duration of Treatment

The duration of treatment is determined according to the course of the disease. As with antibiotic therapy in general, administration of Pulvlox (Levofoxacin) tablets should be continued for a minimum of 48 to 72 hours after the patient has become afebrile or evidence of bacterial eradication has been obtained.

Side Effects:

Skin reactions and general allergic reactions: Itching and rash. General allergic reactions (anaphylactic /anaphylactoid reaction) with symptoms such as urticaria, cramping of the bronchi and possibly severe breathing problems, as well as very rare cases swelling of the skin and mucous membranes.

Gastrointestinal Tract / Metabolism: Nausea and diarrhoea, which in very rare cases may be indicative of enterocolitis, including pseudomembranous colitis. **Effects on the nervous system:**

Headache, vertigo /dizziness, drowsiness, sleeping problems, paraesthesia, e.g., like tingling in the hands, trembling, restlessness, anxiety, convulsions and confusions.

Effects on cardiovascular system: Abnormally rapid beating of the heart, drop of blood pressure and circulatory (shock like) collapse. **Effects on muscles, tendon and bones:** Tendon pain including inflammation, joint pain or muscle pain. Tendon rupture (Achilles Tendon). This side effect may occur within 48 hours after starting treatment and may be bilateral. Muscular weakness, which may be of special importance in patients with myasthenia gravis (a rare disease of nervous system).

Effects on liver and kidney: Increased levels of enzymes, (e.g., ALT, AST) increased levels of bilirubin and serum creatinin. Inflammation of the liver, disturbance of kidney function up to kidney failure. **Effects on the blood:** Increase of certain blood cells, (eosinophilia) decrease in the number of white blood cells (Leukopenia). **Other Reactions:** General weakness, fever, allergic inflammation of the lung (allergic pneumonitis) or of small blood vessels (vasculitis). Any antibacterial treatment may lead to a disturbance of the micro-organisms that are normally found in humans.

Storage:

Store at room temperature (15-30 °C). Protect from heat, sunlight and moisture.

Do not use the drug after the expiry date indicated on the package. This date refers to the product correctly stored in its unopened package.

Packaging:

Pulvlox 250 mg film coated tablets available in Alu/Alu pack of 10 tablets.

Pulvlox 500 mg film coated tablets available in Alu/Alu pack of 10 tablets.

Keep out of the reach of children.

Manufactured by:
Hansel Pharmaceuticals (Pvt) Ltd.
Plot No. 2, Phoenix City, 30 Km Mianwali Road,
Sialkot, Lahore - Pakistan.

Marketed by:
CHIESI PHARMACEUTICALS (PVT) LTD.
501A - XX, Phase III, Commercial Zone, Khayaban-e-Iqbal,
D.H.A. Lahore - Pakistan.

