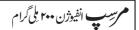


Mercip Infusion 200 mg (Ciprofloxacin) Injection USP



Broad-Spectrum Antibiotic

1. COMPOSITION

Ciprofloxacin Lactate, MS equivalent to Ciprofloxacin (USP) 200ma

Sodium Chloride content is 900 mg.

2 DESCRIPTION

Ciprofloxacin is a synthetic broad-spectrum antimicrobial agent for intravenous (LV) administration. Ciprofloxacin is a faint to light yellow crystalline powder. It is soluble in dilute (0.1N) hydrochloric acid and is practically insoluble in water

3. THERAPEUTIC INDICATIONS

Adults

- Lower respiratory tract infections due to Gram-negative bacteria: Exacerbations of chronic obstructive pulmonary disease, Broncho-pulmonary infections in cystic fibrosis or in bronchiectasis, Pneumonia.
- Chronic suppurative otitis media
- Acute exacerbation of chronic sinusitis especially if these are caused by Gram-negative bacteria.
- · Urinary tract infections.
- Epididymo-orchitis including cases due to Neisseria gonorrhoeae
- Pelvic inflammatory disease including cases due to Neisseria gonorrhoeae
- Infections of the gastro-intestinal tract (e.g. travelers' diarrhoea).
- Intra-abdominal infections.
- Infections of the skin and soft tissue caused by Gram-negative bacteria
- Malignant external otitis
- Infections of the bones and joints.
- · Treatment of infections in neutropenic patients
- · Prophylaxis of infections in neutropenic patients
- . Inhalation anthrax (post-exposure prophylaxis and curative treatment).

Children and adolescents

- Broncho-pulmonary infections in cystic fibrosis caused by Pseudomonas Aeruginosa
- . Complicated urinary tract infections and pyelonephritis.
- Inhalation anthrax (post-exposure prophylaxis and curative treatment)
- Ciprofloxacin may also be used to treat severe infections in children and adolescents when this is considered to be necessary

A DOSAGE AND ADMINISTRATION

· Geriatric: Should receive a dose selected according to the severity of the infection and the patient's

ADDITED DOLLARS COMPANIES

· Hepatic impairment: No dose adjustment required.

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RECOMMENDED STARTING AND MAINTENANCE DOSES FOR PATIENTS WITH IMPAIRED RENAL FUNCTION

Creatiates Clearance [mLinia/L79 m ²]	Seron Creatistus (prod-L)	Dew [mg]
> 40	< 124	See Usual Desegu.
30-60	124 to 168	200-400 mg every 12 h
< 34	>169	200-400 mg every 24 h
Patients on hacmodialysis	> (69	200-400 mg every 24 h (after dialysis)
Futients on peritoneal dialysis	> 169	200-400 mg every 24 h

PEDIATRIC DOSAGE GUIDELINES

Informe Dear (eng/kg)		Total Duration	
Complicated Urinary Tract and acute Pyelosephritis (Patients from 1 to 17 years of age)	6 to 10 mg/kg three times a day, manimum 400 mg per dose	10 – 21 dayu*	
Cystic fibrosis	10 mg/kg those times a day, maximum 400 mg per dose	10 to 14 days	
Inhalation Anthres (post exposure)** postexposure curtirs trustment for persons requiring parenteral trustment	10 mg/kg - 15 mg/kg/body weight twice daily, sextauren 400 mg/per dose	60 days*from the confirmation of Boriffus antistantis exposure	
Other severe infections	10 mg/kg, three times a day maximum of 400 mg per dose	According to the type of infertions	

Adults infusion duration is 30mins and for children it is 60 mins

5. CONTRAINDICATIONS

Hypersensitivity to the active substance, to other quinolones or to any of the excipients

6. SPECIAL WARNINGS AND PRECAUTIONS

- Tendinitis and tendon rupture (especially Achilles tendon), sometimes bilateral, may occur with ciprofloxacin, as soon as the first 48 hours of treatment. Avoid use with history of tendon disorder in patients
- Severe infections and mixed infections with Gram-positive and anaerobic pathogens, Infections of the bones and joints: Monotherapy not recommended.
- Not recommended for the treatment of strentococcal infections due to inadequate efficacy.
- Genital tract infections when known to be due to Neisseria gonorrhoeae it is important to obtain local information on the prevalence of resistance to ciprofloxacin and susceptibility based on laboratory testing.
- Travellers' diarrhoea: Resistance to ciprofloxacin should be taken into account.
- If vision becomes impaired, an eye specialist should be consulted immediately.
- Ciprofloxacin treatment should be initiated only by physicians who are experienced in the treatment of cystic fibrosis and/or severe infections in children and adolescents.
- Complicated urinary tract infections and pyelonephritis: Consider ciprofloxacin when other treatment have failed.
- Ciprofloxacin should be used with caution in patients with myasthenia gravis.
- . Ciprofloxacin has been shown to cause photosensitivity reactions.
- Ciprofloxacin like other quinolones are known to trigger seizures or lower the seizure threshold. Consider discontinuation if seizure occur.
- . Use caution in patients with known risk factors for prolongation of the QT interval.
- The occurrence of severe and persistent diarrhoea during or after treatment may indicate an antibiotic-associated colitis requiring immediate treatment
- Crystalluria has been reported. Patients receiving ciprofloxacin should be well hydrated and excessive alkalinity of the urine should be avoided.
- Cases of hepatic necrosis and life-threatening hepatic failure have been reported.
- Haemolytic reactions have been reported with G6PD deficiency.

7. DRUG INTERACTIONS

- Drugs known to prolong QT interval: Use with caution.
- Probenecid interferes with renal secretion of ciprofloxacin and increases ciprofloxacin serum concentrations.
- Tizanidine: Increased serum tizanidine concentration is associated with a potentiated hypotensive and sedative effect.
- Methotrexate: Avoid concomitant use due to inhibition of renal tubular transport of methotrexate
- Theophylline, Phenytoin, Cyclosporin, Clozapine, Sildenafil and Other xanthine derivatives; Concurrent administration can cause an undesirable alteration in serum concentration of these. Monitoring required.
- Vitamin K antagonists: Simultaneous administration of ciprofloxacin with a vitamin K antagonist may augment its anti-coagulant effects. Monitor INR.
- Glibenclamide: Coadministration intensifies hypoglycemia.
- Ropinirole, Duloxetine: Monitoring required as coadministration with these can result in increase in Cmax and AUC.
- Lidocaine. Agomelatine: Possible interaction may occur as they are CYP450 1A2 isoenzyme inhibitors.
- Zolpidem: Co-administration may increase blood levels of zolpidem, avoid use.

8 SPECIFIC POPULATION

- . Pregnancy: No malformation or toxicity reported. However, as a precaution, avoid use
- Nursing: It is excreted in breast milk. Due to the potential risk of articular damage. Avoid use
- Effects on ability to drive and use machines: Due to its neurological effects, ciprofloxacin may affect reaction time. Avoid use of machines

9. ADVERSE EFFECTS

- Common Vomiting, transient increase in transaminases, rash.
- Uncommon Thrombocytopenia, thrombocythemia, confusion and disorientation, hallucinations, par- and dysaesthesia, seizures, vertigo, visual disturbances, hearing loss, tachycardia, vasodilatation, hypotension, transient hepatic impairment, cholestatic icterus, renal failure, edema.
- Rare Pancytopenia, bone marrow depression, anaphylactic shock, psychotic reactions, migraine, olfactory nerve disorders, hearing impaired, vasculitis, pancreatitis, liver necrosis, petechiae, tendon rupture

10. CLINICAL PHARMACOLOGY

nism of action: As a fluoroquinolone antibacterial agent, the bactericidal action of ciprofloxacin results from the inhibition of both type II topoisomerase (DNA-gyrase) and topoisomerase IV, required for bacterial DNA replication, transcription, repair and recombination.

11 OVERDOSE

An overdose of 12 a has been reported to lead to mild symptoms of toxicity. An acute overdose of 16 a has been reported to cause acute renal failure. Symptoms in overdose consist of dizziness, tremor, headache, tiredness, seizures, hallucinations, confusion, abdominal discomfort, renal and hepatic impairment as well as crystalluria and hematuria. Reversible renal toxicity has been reported. In the event of overdose, symptomatic treatment should be implemented.

عموى خوراك: ب**دوں کے لئے: ۱۰۰** تا ۲۰۰ ملی گرام دن میں دومرتبہ یا ڈاکٹر کی ہدایت کے مطابق۔ پر گوں كے لئے: عموى طور بركم يے كم خوراك ان كى ييارى كى شقت اوركرينتن كليرينس كويدِنظرر كھے دى جائے۔ Mercip Infusion

1 vial of 100 ml Infusion solution containing Ciprofloxacin Lactate, MS equivalent to Ciprofloxacin (USP)

Sodium chloride content is 900 mg.

Presentation:

Storage: Store below 30 °C. Protect from light and heat. Keep all medicines out of the reach of children.

۳۰ ڈگری سینٹی گریڈ ہے کم درجہ حرارت پر رکھیں۔ روشنی اورگرمی ہے تحفوظ رکھیں۔ تمام دوائیں بچوں کی پہنچ سے دور رکھیں۔

Manufactured for: Martin Dow Marker Ltd