

# ORCIPYX<sup>®</sup>

## Ciprofloxacin 500 mg & Ordinazole 500 mg Tablets

### Compositin:

#### Composition :

Each film coated tablet contains:

Ciprofloxacin Hydrochloride BP

eq. to Ciprofloxacin 500 mg

Ordinazole 500mg

Excipients Q.S.

Colour: Titanium Dioxide BP & Ferric oxide yellow USP NF

### About Ornidazole & Ciprofloxacin

**Ornidazole** :A nitro imidazole derivative, Antiprotozoal antibiotic,Antimicrobial.

**Ciprofloxacin**:It is a broad spectrum fluoroquinolone with activity against Pseudomonas aeruginosa.

### Mechanism of Action of Ornidazole & Ciprofloxacin

#### Ornidazole:

Ornidazole is a nitro imidazole which has broad spectrum cidal activity against Protozoa and some anaerobic bacteria. Its selective toxicity to anaerobic microbes involves 1. Drug enters the cell by diffusion, 2. Nitro group of drug is reduced by redox proteins present only in anaerobic organisms to reactive nitro radical which exerts cytotoxic action by damaging DNA and other critical biomolecules. 3. DNA helix destabilization & strand breakage has been observed.

#### Ciprofloxacin

Ciprofloxacin is a bacteriostatic at low concentration and bactericidal at high concentration. It act by inhibiting the enzyme DNA gyrase (Topoisomerase 2) and Topoisomerase 4.DNA gyrase helps in the formation of a highly condensed three dimensional structure of the DNA by its nicking and closing activity and also by introducing negative supercoil in to the DNA double helix. Ciprofloxacin inhibits DNA gyrase which results in abnormal linkage between opened DNA and gyrase and negative supercoiling is also impaired. This will inhibits transcription of DNA in to RNA and subsequent protein synthesis.

### Pharmacokinets of Ornidazole & Ciprofloxacin

#### Ornidazole:

Absorption: Well absorbed orally, Distribution: Widely distributed,

Metabolism: Metabolized in liver by conjugation, Excretion: Excreted in urine and small portion is excreted in bile

#### Ciprofloxacin:

Absorption: They are adequately absorbed after oral administration. Distribution: It is distributed widely in the body. Metabolism: It undergoes hepatic metabolism. Excretion: Drug is excreted mainly through urine.

### Side Effects of Ornidazole & Ciprofloxacin

1.Abdominal pain 2.Vertigo 3.Nausea 4.Vomiting 5.Fatigue 6.Dry mouth 7.Headache 8.Rash  
9.Urticaria 10.Abdominal distress 11.Dizziness 12.Vertigo13.Diarrhoea 14.Restlessness  
15.Drowsiness 16.Arthralgia 17.Confusion 18.Insomnia 19.Anorexia 20.Bad taste  
21.Photosensitivity

### Contra-indications of Ornidazole & Ciprofloxacin

.Hypersensitivity to the drug or other imidazoles & Hypersensitivity to Ciprofloxacin and other Fluoroquinolones

### Special Precautions while taking Ornidazole & Ciprofloxacin

1.Vertigo 2.Mental confusion 3.Ataxia 4. Hepatic impairment 5. Renal impairment 6. Epilepsy 7.  
8.Dehydration

### Pregnancy Related Information

Use with caution

### Indications for Ornidazole & Ciprofloxacin

1.Amoebiasis 2.Giardiasis 3.Trichomonas vaginitis 4.Anaerobic bacterial infections  
5.Bacterial vaginosis 6.Respiratory tract infection 7.Bone and joint infections,  
8.Infectious diarrhoea 9.Gonorrhoea 10.ENT infections 11.Skin and soft tissue infections  
12.Typhoid fever 13.Intra-abdominal infections 14.Prostatitis 15. Sinusitis 16.Chancroid  
13.Gynaecological infections 14.Tularemia

Antacids (aluminium/magnesium hydroxide), Iron salts, Zinc salts.: Absorption of ciprofloxacin is decreased.

Antineoplastic drugs: Decrease serum levels of ciprofloxacin.

Caffeine: Enhanced efficacy of caffeine.

Oral anti-coagulants: Enhanced efficacy of anti-coagulants.

Cyclosporine: Nephrotoxicity increased by ciprofloxacin.

Theophylline: Increased plasma levels of theophylline resulting in toxicity.

NSAIDs: CNS excitation may occur.

Rifampicin: Decreases serum concentration of ciprofloxacin.

Chloramphenicol: Antagonises effects of ciprofloxacin.

### Typical Dosage for Ornidazole

Amoebiasis: Adults: 1gm daily in 2 divided doses for 7 to 10 days Children: 10 to 25mg/kg once daily for 3days

Amoebic dysentery: Adults: 1.5gm once daily for 3 days Children: 40mg/kg once daily for 3 days

Trichomoniasis

Adults: 1.5gm single daily dose or 0.5gm 12 hourly for 5 days,

Male partner should be concurrently treated.

Children: 25mg/kg as a single dose

Giardiasis:

Adults: 1 to 1.5gm once daily for 2days

Children: 40mg/kg for 2days

Bacterial vaginosis: 1.5gm once or 500mg once daily for 5 to7 days

### Typical Dosage for Ciprofloxacin

Adults:

Dose is determined on the basis of severity of the infection, type of infecting organism, age, weight and renal function of the patient.

UTI: 0.5 - 1 g / day in 2 divided doses.

Respiratory tract infection, Bone and joint infections, Infectious diarrhoea, ENT infections, .Skin and soft tissue infections, Enteric fever: 1 - 1.5 g / day in 2 divided doses

Typhoid fever, Intra-abdominal infections, Gynaecological infection: 1 g / day in 2 divided doses

Uncomplicated gonorrhea: 250 mg / day

### Storage :

Store below 30°C. Protect from light and moisture.

**Keep the medicine out of reach of children.**

### Presentation :

10 Tablets

Marketed by:



**PYXUS PHARMACEUTICALS PVT. LTD.**

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