

Doxysina Doxycycline

Description:

Doxysina (Doxycycline) is a semisynthetic oxytetracycline derivative with bacteriostatic activities. It acts principally by interference with protein synthesis. **Doxysina** is a broad spectrum antibiotic and is active against a wide range of gram-positive and gram-negative bacteria, spirochetes, chlamydia, mycoplasma, rickettsiae etc. The drug is almost completely absorbed (96%) from gastro-intestinal tract. Food does not interfere with the absorption of Doxycycline. 90% of the drug in circulation is bound to plasma protein. The drug is excreted in the faeces, largely as an inactive conjugate or perhaps as a chelate.

Composition:

Doxysina capsule: Each capsule contains Doxycycline 100 mg as Doxycycline Hydrochloride BP.

Indication:

Doxysina has been used in the treatment of a large number of infections caused by susceptible organisms. Respiratory tract infection: Pneumonia, influenza, pharyngitis, tonsillitis, bronchitis, sinusitis, otitis media and other streptococcal and staphylococcal infections where tetracycline resistance is not a problem. Genitourinary tract infection: Pyelonephritis, cystitis, urethritis, gonorrhea, epididymitis, syphilis, chancroid and granuloma inguinale. Chlamydial infection: Lymphogranuloma venereum, psittacosis, trachoma. Intestinal diseases: Whipples disease, tropical sprue, blind loop syndrome. In acute intestinal amoebiasis **Doxysina** may be a useful adjunct to amoebicide. Bacillary infection : Brucellosis, tularaemia, cholera, traveller's diarrhoea. Acne: Acne vulgaris, acne conglobata and other forms of acne. Other infections: Actinomycosis, yaws relapsing fever, leptospirosis, typhus, rickettsial pox and Q fever, cellulitis, furunculosis, abscess and infections caused by Mycobacterium marinum, Bordetella pertussis and Bacillus anthracis. Also given for prophylaxis of malaria.

Dosage and administration:

Adult: 200 mg at a time or 100 mg every 12 hours for the first day followed by 100 mg per day. The dosage may be doubled depending on severity of the infection. **Children (Over 8 years of age):** Patients weighed 100 pounds or less (<45 kg) 2 mg/lb (4.4 mg/kg) divided into two doses on the first day of treatment; follow with 1 mg/lb (2.2 mg/kg) given as a single daily dose or divided into two doses on subsequent days. More severe infections: Up to 2 mg/lb (4.4 mg/kg) may be used. For children over 100 pounds (>45 kg) use the usual adult dose. Doxycycline may be taken anytime of the day and in case of gastric irritation, may be taken with food or milk.

Special Dosage Schedule:

Acute gonococcal infection: 200 mg immediately, then 100 mg at bed time on the first day, followed by 100 mg 2 times/day for 3 days. Primary and secondary syphilis: 300 mg per day in divided doses for at least 10 days. Uncomplicated urethral, endocervical or rectal infections in adult caused by Chlamydia trachomatis: 100 mg twice daily for at least 7 days. Acne: 50 mg daily for 6-12 weeks or longer. Travelers' Diarrhoea: Doxycycline is used to prevent Traveler's diarrhoea caused by enterotoxigenic in a

dose of 100 mg once a day for 3 weeks.

Precaution:

The use of drug of tetracycline group during tooth development (last half of pregnancy, infancy and childhood to the age of 12 years) may cause permanent discoloration of the teeth. Tetracyclines, therefore, should not be used in these age groups unless other drugs are not likely to be effective or are contraindicated.

Side effect:

Doxycycline may produce gastrointestinal irritation to a varying degree in some but not all individuals. Epigastric distress, abdominal discomfort, may occur. Long term therapy with doxycycline may produce hematological changes. Various skin reactions including rashes, urticaria, exfoliative dermatitis may follow the use of Doxycycline but they are rare.

Contraindication:

Hypersensitivity to any of the tetracyclines contraindicates the use of Doxycycline.

Presentation

Doxysina Capsule: Box contains 100 (10x10's) capsules in blister strip.

Manufactured by:



The IBN SINA Pharmaceutical Industry Ltd.
Shafipur, Gazipur, Bangladesh.