



Presentation

Ipadox[®] Capsule: Each capsule contains Doxycycline Hyclate BP equivalent to Doxycycline 100 mg.

Description

Doxycycline is a semisynthetic derivative of oxytetracycline. Doxycycline is a broad spectrum antibiotic with the broadest spectrum of any known antibacterial agent. It is active against a wide range of gram-positive and gram-negative bacteria, spirochetes, mycoplasma, rickettsia etc. It can be used with success in place of penicillin in the treatment of gonorrhoea and syphilis.

Doxycycline has an excellent mode of absorption and is almost completely absorbed (95%) from the GIT. Food does not interfere with the absorption of doxycycline, 90% of the drug in circulation is bound to plasma protein. Biological half-life varies between 16- 23 hours on repeated doses. Due to its higher lipid solubility than any other tetracycline, doxycycline attains a wide distribution in body tissues and body fluids.

Indications

Doxycycline is indicated for the treatment of infections caused by susceptible microorganisms:

RTI infections: pneumonia, influenza, pharyngitis, tonsillitis, bronchitis, sinusitis and otitis media and other *Streptococcal* and *Staphylococcal* infections. *Genitourinary tract infections:* pyelonephritis, cystitis, urethritis, gonorrhoea epididymitis, syphilis, chancroid and granuloma inguinale. *Chlamydia:* Lymphogranuloma, venereum, psittacosis, trachoma. *Intestinal disease:* whipple's disease, tropical sprue, blind loop syndrome, amoebic dysentery. *Bacillary infections:* brucellosis, tularaemia, cholera, traveler's diarrhoea. Acne: acne vulgaris, acne conglobata etc. *Other infections:* typhus, actinomycosis, rickettsialpox and Q-fever and infections caused by *Mycobacterium marinum*, *Bordetella pertussis* and *Bacillus anthracis*.

Dosage and Administration

Adults: 2 capsules at a time or one capsule every 12 hour for the first day followed by 1 capsule per day. The dose may be doubled depending on the severity of the infection. *Gonococcal infection:* 1 capsule every 12 hours until complete recovery. *Syphilis:* 3 capsules in divided doses for 10 days.

Side effects

As with all other antibiotics, side effects liable to be encountered include: Gastrointestinal disturbances, eg. anorexia, vomiting, dysentery etc. overgrowth of resistant organisms may cause Glossitis, stomatitis, or Staphylococcal enterocolitis; Apart from these skin rashes, purpura may occur. Photosensitivity and dermatological reactions are rare.

Precautions

During development of teeth (last half of pregnancy and up to 8 years of age) the use of tetracyclines may lead to permanent discoloration of teeth. So tetracyclines should not be administered during these periods.

Contraindications

Ipadox is contraindicated in patients who have known hypersensitivity to Doxycycline.

Pregnancy & Lactation

Pregnancy category D.

There are no adequate and well controlled studies on the use of doxycycline in pregnant women. The vast majority of reported experience with doxycycline during human pregnancy is short-term, first trimester exposure.

Tetracyclines are excreted in human milk. However, the extent of absorption of tetracyclines including doxycycline, by the breastfed infant is not known. Short-term use by lactating women is not necessarily contraindicated; however, the effects of prolonged exposure to doxycycline in breast milk are unknown.

Pediatric Use

Doxycycline should not be used in children up to 8 years of age.

Overdose

Symptoms of Doxycycline include nausea, vomiting & diarrhea. In case of overdose, discontinue medication and treat symptomatically.

Drug Interaction

Alkali, antacids or irons should not be taken along with Doxycycline. Because these may reduce the absorption of the drug.

Storage

Do not store above 30 °C. Keep away from light and out of the reach of children.

Commercial pack

Ipadox[®] Capsule: Each box contains 10 blister strips of 10 capsules.