

metronidazole clinical pharmacology

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Its spectrum contains anaerobic bacteria Bacteroides fragilis , clostridia, fusobacteria, peptococci, peptostreptococci , certain other bacteria e. Bactericidal tissue concentrations are achieved in the central nervous system, in the liver and the bile ducts, in the bones, in vaginal secretions, and in the pelvic organs. Pharmacology Metronidazole, a synthetic 5-nitroimidazole, has an antibiotic action that is based on the modification of the genetic substance of microorganisms. Gardnerella vaginalis and protozoas Giardia lamblia, Entameba histolytica, Trichomonas vaginalis.have been observed in animals or clinical studies.) 2. In the presence of active organic disease of the central nervous system. 3. In patients who are hypersensitive to metronidazole or other nitroimidazoles. PRECAUTIONS. Metronidazole has been shown to be carcinogenic in mice and rats. Its use, therefore, should be. Metronidazole: Pharmacology. Metronidazole, a synthetic 5-nitroimidazole, has an antibiotic action that is based on the modification of the genetic substance of microorganisms. Its spectrum contains anaerobic bacteria (Bacteroides fragilis, clostridia, fusobacteria, peptococci, peptostreptococci), certain other bacteria (e.g. For patients with severe hepatic impairment (ChildPugh C), a reduced dose of FLAGYL is recommended. For patients with mild to moderate hepatic impairment, no dosage adjustment is needed but these patients should be monitored for metronidazole associated adverse events (see CLINICAL PHARMACOLOGY and. Metronidazole (MNZ), marketed under the brand name Flagyl among others, is an antibiotic and antiprotozoal medication. It is used either alone or with other antibiotics to treat pelvic inflammatory disease, endocarditis, and bacterial vaginosis. It is effective for dracunculiasis, giardiasis, trichomoniasis, and amebiasis. Flagyl - Clinical Pharmacology. Absorption. Disposition of metronidazole in the body is similar for both oral and intravenous dosage forms. Following oral administration, metronidazole is well absorbed, with peak plasma concentrations occurring between one and two hours after administration. Plasma concentrations of. Clinical pharmacokinetics of metronidazole and other nitroimidazole anti-infectives. Lau AH(1), Lam NP, Piscitelli SC, Wilkes L, Danziger LH. Author information: (1)Department of Pharmacy Practice, College of Pharmacy, University of Illinois, Chicago. Metronidazole was first introduced for the treatment of trichomoniasis. Elizabeth D. Hermsen Department of Pharmaceutical and Nutrition Care, The Nebraska Medical Center, Omaha, Nebraska, U.S.A. John C. Rotschafer Department of Experimental and Clinical Pharmacology, University of Minnesota College of Pharmacy, Minneapolis, Minnesota, U.S.A. METRONIDAZOLE Pharmacology. Clinical Pharmacology. Metronidazole is active against a wide range of anaerobic micro-organisms, including Bacteroides species, Fusobacteria, Clostridia, Eubacteria and anaerobic cocci. Also active against Gardnerella vaginalis, Trichomonas, Entamoeba histolytica, Giardia lamblia and Balantidium coli. The precise. Antibacterial spectrum for metronidazole. Clinical applications 0 Gastrointestinal infections with Balantidium coli, Entamoeba histolytica, Giardia, Trichomonas or anaerobic bacteria. 0 Mouth infections, periodontal disease, ulcerative gingivitis sometimes used in combination with spiramycin for these. 0 Bacterial. A comparison of the pharmacokinetics of metronidazole in man after oral administration of single doses of benzoylmetronidazole and metronidazole. Authors. GW Houghton,. HK Hundt,. FO Muller,. R Templeton. First published: August Full publication history; DOI: /jtbx View/save.