

# hydroxyurea clinical pharmacology

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Indian J Dermatol Venereol Leprol. There has been a longstanding concern that hydroxycarbamide itself carries a leukemia risk, but large studies have shown that the risk is either absent or very small. S4 Prescription only CA: Hydroxycarbamide has been used primarily for the treatment of myeloproliferative diseases, which has an inherent risk of transforming to acute myeloid leukemia. Hydroxyurea is a monohydroxyl-substituted urea hydroxycarbamate antimetabolite. D Evidence of risk. Retrieved from " [https: International Drug Price Indicator Guide](https://International Drug Price Indicator Guide). Hydroxyurea lay dormant for more than fifty years until it was studied as part of an investigation into the toxicity of protein metabolites. Journal of Allergy and Clinical Immunology. A long-term study of the Spanish Network on Mastocytosis in a series of patients". Biochemical research has explored its role as a DNA replication inhibitor [23] which causes deoxyribonucleotide depletion and results in DNA double strand breaks near replication forks see DNA repair. Archived from the original on 20 December Health technology assessment Winchester, England. This page was last edited on 29 January , at Acta Haematol Pol. ;26(1) [Clinical pharmacology of hydroxyurea]. [Article in Polish]. Gora-Tybor J(1), Robak T. Author information: (1)Zakladu Farmakologii, II Kliniki Chorob Wewnetrznych AM w Lodzi. Hydroxyurea, an antineoplastic drug evaluated clinically more than 30 years ago, is still the principal drug in. DESCRIPTION. Hydroxyurea Capsules USP, is an antineoplastic agent available for oral use as capsules providing mg hydroxyurea. Inactive ingredients: colloidal silicon dioxide, colorants (D&C Yellow No. 10, FD&C Blue No. 1 and FD&C Red No. 40), gelatin, magnesium stearate and titanium dioxide. Imprinting ink. DESCRIPTION. DROXIA (hydroxyurea capsules, USP) is available for oral use as capsules providing mg, mg, and mg hydroxyurea. Inactive ingredients: citric acid, gelatin, lactose, magnesium stearate, sodium phosphate, titanium dioxide, and capsule colorants; FD&C Blue No. 1 and FD&C Green No. 3 ( Hydroxycarbamide, also known as hydroxyurea, is a medication used in sickle-cell disease, chronic myelogenous leukemia, cervical cancer, and polycythemia vera. In sickle-cell disease it decreases the number of attacks. It is taken by mouth. Common side effects include bone marrow suppression, fevers, loss of appetite. ?Medical uses ?Side effects ?Mechanism of action. Clinical Pharmacology. Hydroxyurea is dosed orally and distributes rapidly to all tissues. Elimination is through hepatic metabolism, as well as urinary elimination of the parent compound. Toxicities associated with hydroxyurea treatment include GI effects, myelosuppression, onycholysis, and pulmonary fibrosis; cats are. HYDREA can cause fetal harm based on findings from animal studies and the drugas mechanism of action [see CLINICAL PHARMACOLOGY]. There are no data with HYDREA use in pregnant women to inform a drug-associated risk. In animal reproduction studies, administration of hydroxyurea to pregnant rats and. Clinical Pharmacology and Biopharmaceutics Review. 1. Project Identifcation. NDA number/serial rumber /SE Submission date February 19, Drug name Droxia. Generic name Hydroxyurea. Dosage form mg, mg, mg capsules. Applicant BristolMyers Squibb Co. Pharmaceutical Research. Dose Modifications for Renal Impairment. Reduce the dose of Hydroxyurea capsules by 50% in patients with measured creatinine clearance of less than 60 mL/min or with end-stage renal disease (ESRD) [see Use in Specific Populations () and Clinical Pharmacology ()]. Identification. Name: Hydroxyurea; Accession Number: DB (APRD); Type: Small Molecule; Groups: Approved; Description . Pharmacology. Indication. For management of melanoma, resistant chronic myelocytic leukemia, and recurrent, metastatic, or inoperable carcinoma of the ovary and Sickle-cell anemia. American Society for Clinical Pharmacology and Therapeutics. Close Clinical Pharmacology & Therapeutics. Explore this journal >. Clinical Pharmacology & Therapeutics. Previous article in issue: Azathioprine (Imuran) 50 mg. scored tablets: An adjunct for the prevention of rejection in Squibb Hydroxyurea (Hydra).