

Kingston Health Science Center Hazardous Drug List

This list includes medications that are on the Drug Formulary at Kingston General Hospital (KGH) and Hotel Dieu Hospital (HDH) as well as common non-Formulary drugs. Please contact Drug Information at KGH (extension 2302), for safe handling information for non-Formulary medications that do not appear on this list. This list is based on information available as of May, 2016 and will be updated as new information becomes available and as new medications are added to formulary.

Staff who are pregnant, breastfeeding or actively trying to conceive are not to handle **category 1** hazardous drugs or have direct patient care responsibilities for patients receiving a **category 1** hazardous drug. Accommodation timeframe is determined by the Occupational Health & Safety Services. Refer to the KGH Administrative Policy 02-095: Workplace Safety Management of Hazardous Drugs; or HDH Administrative Policy 10050 - Appendix C.

Definition of categories:

CATEGORY 1 MEDICATIONS (labeled as "Hazardous, Category 1" or "Chemotherapy")

Cytotoxic Hazardous Medications [mutagenic, genotoxic, carcinogenic]

- Handling precautions are required for drug preparation, administration and disposal ("Dissolve and dose" may be considered as a method of oral administration when a liquid preparation is required).
- Handling precautions are required for bodily fluids. Document the need for precautions when handling bodily fluids, and the expected duration in the interprofessional patient profile (Kardex).

CATEGORY 2 MEDICATIONS (labeled as "Hazardous, Category 2")

Non-cytotoxic hazardous medications [may affect the reproductive system (e.g. teratogenic, impaired fertility), endocrine system, immune system, respiratory system, and/or have the potential to transmit infection]

- Handling precautions are required for drug preparation, administration, and disposal. ("Dissolve and dose" may be considered as a method of oral administration when a liquid preparation is required).
- Special handling precautions for bodily fluids are NOT required for category 2 hazardous drugs.

REPRODUCTIVE RISK MEDICATIONS

Medications that are considered hazardous primarily due to adverse reproductive effects are designated as "Reproductive Risk" on the list below. This should not be considered to be an all-inclusive listing of drugs that may be of risk to staff who are pregnant, breastfeeding or actively trying to conceive.

- Since the teratogenic / fetal toxicity potential of many drugs is unknown, staff who are pregnant, breastfeeding or actively trying to conceive may wish to consider handling all drugs using the precautions outlined for **category 2** hazardous drugs.

Drug Name	Classification
Abiraterone (NF)	Reproductive Risk
Acitretin (NF)	Reproductive Risk
Ado-trastuzumab emtansine (NF)	Category 1
Afatinib (NF)	Category 1
Alitretinoin (NF)	Reproductive Risk
Ambrisentan (NF)	Reproductive Risk
Amsacrine	Category 1
Anastrozole	Reproductive Risk
Arsenic trioxide	Category 1
Axitinib (NF)	Category 1
Azacitidine	Category 1
Azathioprine	Category 1
Bacillus Calmette Guerin (BCG) for bladder instillation	Category 2 (see footnote*)
Bendamustine	Category 1
Bicalutimide	Reproductive Risk
Bleomycin	Category 1
Bortezomib	Category 1
Bosentan	Reproductive Risk
Bosutinib (NF)	Category 1
Brentuximab vedotin	Category 1
Buserelin (NF)	Reproductive Risk
Busulfan	Category 1
Carbamazepine	Reproductive Risk
Cabazitaxel	Category 1
Capecitabine (NF)	Category 1
Cabergoline (NF)	Reproductive Risk
Carbetocin	Reproductive Risk
Carboprost	Reproductive Risk
Carfilzomib (NF)	Category 1
Carboplatin	Category 1
Carmustine	Category 1
Cetrorelix (NF)	Reproductive Risk
Chlorambucil	Category 1
Chorionic gonadotropin (NF)	Reproductive Risk
Cisplatin	Category 1
Cladribine	Category 1
Clofarabine (NF)	Category 1
Clomiphene (NF)	Reproductive Risk
Clonazepam	Reproductive Risk
Colchicine	Reproductive Risk
Crizotinib (NF)	Category 1

Drug Name	Classification
Cyclophosphamide	Category 1
Cyclosporine	Category 2
Cyproterone	Reproductive Risk
Cytarabine	Category 1
Dabrafenib (NF)	Category 1
Dacarbazine	Category 1
Dactinomycin	Category 1
Dasatinib (NF)	Category 1
Daunorubicin	Category 1
Deferiprone (NF)	Category 1
Degarelix (NF)	Reproductive Risk
Dexrazoxane	Category 1
Dinoprost	Reproductive Risk
Dinoprostone	Reproductive Risk
Divalproex	Reproductive Risk
Docetaxel	Category 1
Doxorubicin	Category 1
Dronedarone	Reproductive Risk
Dutasteride	Reproductive Risk
Enzalutamide (NF)	Reproductive Risk
Epirubicin	Category 1
Ergonovine/methylergonovine	Reproductive Risk
Eribulin	Category 1
Erlotinib (NF)	Category 1
Eslicarbazepine	Reproductive Risk
Estramustine (NF)	Category 1
Estrogen (estradiol, conjugated estrogen, esterified estrogen)	Reproductive Risk
Estrogen/Progesterone combinations (oral contraceptives)	Reproductive Risk
Etoposide	Category 1
Everolimus (NF)	Category 1
Exemestane	Reproductive Risk
Finasteride	Reproductive Risk
Fingolimod (NF)	Category 2
Fluconazole	Reproductive Risk
Fludarabine	Category 1
Fluorouracil	Category 1 (Category 2 for topical fluorouracil)
Flutamide	Reproductive Risk
Fosphenytoin	Reproductive Risk
Fulvestrant (NF)	Reproductive Risk
Ganciclovir	Category 1

Drug Name	Classification
Ganirelix (NF)	Reproductive Risk
Gefitinib (NF)	Category 1
Gemcitabine	Category 1
Goserelin	Reproductive Risk
Histrelin (NF)	Reproductive Risk
Hydroxyurea	Category 1
Ibrutinib (NF)	Category 1
Icatibant (NF)	Reproductive Risk
Idarubicin	Category 1
Ifosfamide	Category 1
Imatinib	Category 1
Irinotecan	Category 1
Isotretinoin (NF)	Reproductive Risk
Itraconazole	Reproductive Risk
Ixazomib (NF)	Category 1
Ketoconazole	Reproductive Risk
Lapatinib (NF)	Category 1
Leflunomide (NF)	Category 1
Lenalidomide (NF)	Category 1
Letrozole	Reproductive Risk
Leuprolide (NF)	Reproductive Risk
Liraglutide (NF)	Category 2
Lomitapide (NF)	Reproductive Risk
Lomustine	Category 1
Macitentan (NF)	Reproductive Risk
Medroxyprogesterone acetate	Reproductive Risk
Megestrol	Reproductive Risk
Melphalan	Category 1
Mercaptopurine	Category 1
Methimazole	Category 2
Methotrexate	Category 1
Mifepristone (NF)	Reproductive Risk
Mitomycin	Category 1 <i>(Category 2 for intraocular or topical ophthalmic use)</i>
Mitotane (NF)	Category 1
Mitoxantrone	Category 1
Misoprostol	Reproductive Risk
Mycophenolate	Category 2
Nafarelin (NF)	Reproductive Risk
Nelarabine (NF)	Category 1
Nilotinib (NF)	Category 1
Oxaliplatin	Category 1

Drug Name	Classification
Oxcarbazepine (NF)	Reproductive Risk
Oxytocin	Reproductive Risk
Paclitaxel	Category 1
Paliperidone	Reproductive Risk
Pazopanib (NF)	Category 1
Palifermin (NF)	Category 2
Pamidronate	Reproductive Risk
Paroxetine	Reproductive Risk
Pasireotide (NF)	Reproductive Risk
Pemetrexed	Category 1
Pertuzumab (NF)	Reproductive Risk
Phenytoin	Reproductive Risk
Plerixafor	Reproductive Risk
Pomalidomide (NF)	Category 1
Ponatinib (NF)	Category 1
Posaconazole	Reproductive Risk
Procarbazine	Category 1
Progesterone (NF)	Reproductive Risk
Progestins (contraceptives) e.g. levonorgesterol	Reproductive Risk
Propylthiouracil	Category 2
Raloxifene (NF)	Reproductive Risk
Raltitrexed	Category 1
Rasagiline (NF)	Reproductive Risk
Regorafenib (NF)	Category 1
Ribavirin	Reproductive Risk
Riociguat (NF)	Reproductive Risk
Risperidone	Reproductive Risk
Romidepsin	Category 1
Ruxolitinib (NF)	Category 1
Sirolimus (NF)	Category 2
Sorafenib (NF)	Category 1
Spironolactone	Reproductive Risk
Sunitinib (NF)	Category 1
Tacrolimus	Category 2
Tamoxifen	Reproductive Risk
Temazepam (NF)	Reproductive Risk
Temozolomide (NF)	Category 1
Temsirolimus	Category 1
Teniposide (NF)	Category 1
Teriflunomide (NF)	Category 1
Testosterone	Reproductive Risk

Drug Name	Classification
Thalidomide (NF)	Category 1
Thioguanine	Category 1
Thiotepa	Category 1
Tofacitinib (NF)	Category 2
Topiramate	Reproductive Risk
Topotecan	Category 1
Trametinib (NF)	Category 1
Trastuzumab emtansine	Category 1
Tretinoin	Reproductive Risk
Triptorelin (NF)	Reproductive Risk
Ulipristal (NF)	Reproductive Risk
Valganciclovir	Category 2
Valrubicin (NF)	Category 1
Vandetanib (NF)	Category 1
Valproic acid	Reproductive Risk
Vemurafenib (NF)	Category 1
Vigabatrin	Reproductive Risk
Vinblastine	Category 1
Vincristine	Category 1
Vinorelbine	Category 1
Vismodegib (NF)	Category 1
Voriconazole	Reproductive Risk
Vorinostat (NF)	Category 1
Warfarin	Reproductive Risk
Ziprasidone (NF)	Reproductive Risk

NF= non-Formulary medications at KHSC

- * Bacillus Calmette Guerin (BCG), when used for bladder instillation, should be prepared following the instructions provided with the product-specific closed system reconstitution kit.

Revised 2019 Feb 14