



London Health Sciences Centre

Safe Handling of Hazardous Drugs

Staff Education
May 1, 2015

Safe Handling of Hazardous Drugs

Most hospitals have policies & procedures for the handling of cytotoxic drugs (chemotherapy)...

But what about those other drugs....

Other medications that have been acknowledged as potentially hazardous



Goals

1. Understand what information is in the new Safe Handling of Hazardous Medications Policy.
2. Define what a Hazardous Medication is and what some of the risks of occupational exposure are.
3. Use the policy to determine:
 - ✓ the classification of the Hazardous Medication
 - ✓ the dosage form of the Hazardous Medication
 - ✓ how that impacts the handling precautions
 - ✓ required to minimize occupational exposure.

Goal of Policy

- ✓ To establish processes and requirements to support the safe handling of hazardous drugs, including procurement, transport, preparation, dispensing, administration, clean-up (spills) and disposal.

WHO does this policy apply to?

- **ALL** employees providing direct care to patients receiving Hazardous Medications (nursing assistants, nurses, physicians, physiotherapy, etc.).
- **ALL** employees handling or transporting medication, waste or soiled equipment (e.g. housekeeping, laundry, transport, pharmacy, shipping and receiving, etc.).

WHEN Does this Policy Apply

Greatest risk activities: preparation and administration of medication.

Lesser risk activities: handling human waste of patients known to have received a hazardous medication in the last 48 hours.

Staff should ensure they are wearing appropriate personal protective equipment (PPE) for each of these levels of exposure.



Hazardous Drugs

Medications that are known or suspected to cause adverse health effects from exposures in the workplace.

They include:

- ✓ Antineoplastic and chemotherapy medications used for cancer and other diseases
- ✓ Medications to treat auto immune diseases like arthritis
- ✓ Some antiviral medications, hormones, some bioengineered medication & other miscellaneous medications.



Cytotoxic and Non-Cytotoxic Hazardous Drugs

Cytotoxic Hazardous Drug	NON-Cytotoxic Hazardous Drug
<ul style="list-style-type: none">• Drugs that are detrimental or destructive to cells within the body (e.g. cytotoxic, mutagenic, genotoxic or carcinogenic). These agents are commonly used in cancer treatment but may also be used for other disorders.• Deemed to pose maximal risk in the event of occupational exposure.	<ul style="list-style-type: none">• Medications (other than cytotoxic hazardous medications) that adversely affect the reproductive system (e.g. teratogenicity, impaired fertility), endocrine system, immune system, respiratory system or have potential to transmit infection.• Deemed to pose a potential risk in the event of occupational exposure and require special handling precautions



What are the POTENTIAL Risks to Health Care Workers?

Working with or near hazardous medications in health care settings can **potentially** cause:

- ✓ Skin rashes
- ✓ Infertility
- ✓ Miscarriage
- ✓ Birth defects
- ✓ Organ toxicities
- ✓ Leukemia or other cancers

How Would I Come into Contact with a Hazardous Drug?

Direct contact

- Primary physical contact with a hazardous medication during preparation or administration or when managing a hazardous medication spill.
- Touching measurable concentrations of medications present on drug vial exteriors, work surfaces, floors, and final medication products?

Indirect Contact

- Secondary contact with a hazardous medication from body fluids, bed linens, medical equipment, etc.
- Changing the diaper of a baby receiving cytotoxic medication for leukemia



There are 3 Key Steps to Consider When Handling Hazardous Drugs

- Step 1 – Determine if the drug is on the Hazardous Drugs List and if it is Cytotoxic or Non-Cytotoxic (Appendix A)
- Step 2 - Determine the dose form of the drug that you are going to handle.
- Step 3 – Refer to the Handling Precautions for Hazardous Drug Chart (Appendix B) and follow directions for the process you are about to complete.

Step 1 - Is the medication that I'm handling Hazardous?

There are **4** ways that you can learn if the drug you are handling is Hazardous...

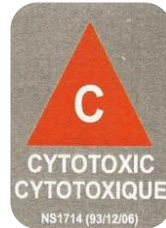
1 – Refer to the Cytotoxic and NON-Cytotoxic Hazardous Drug List (Appendix A)

CYTOTOXIC and NON-CYTOTOXIC HAZARDOUS MEDICATIONS

CYTOTOXIC HAZARDOUS MEDICATIONS		NON-CYTOTOXIC HAZARDOUS MEDICATIONS	
altretamine	gemtuzumab ozogamicin	abiraterone	iloprost
amsacrine	hydroxyurea	acitretin	imatinib
arsenic	IDArubicin	alitretinoin	ISOTretinoin
azaCITIDine	Ifosfamide ipilimumab	ambrisentan	lapatinib
azathioprine	irinotecan	anastrozole	leflunomide
bacillus calmette guerin (bladder instillation only)	lenalidomide	bexarotene	letrozole
• biohazardous agent	lomustine	bicalutamide	leuprolide
• requires cytotoxic handling and precautions	mechlorethamine	bosentan	megestrol
bendamustine	melphalan	buserelin	methyITESTOSTERone
bleomycin	mercaptopurine	cetorelix	mifepristone
brastomib	methotrexate	choriogonadotropin alfa	misoprostol
	mitoMYcin		

Step 1 - Is the medication that I'm handling Hazardous?


2. Look for a symbol:



or



3. Refer to the orders tab:

Medications			
	fluorouracil	Ordered	800 mg, IV direct, ONCE, infuse over 1 min, Requested Start Date/Time 2015/03/11 10:30, stop date 2015/03/1... 2015/03/11 09:57 CYTOTOXIC Hazardous Target Dose: fluorouracil 400 mg/m2 2015/03/11 09:57

4. Refer to the eMAR:

	tacrolimus (tacrolimus extended release) 6 mg, ER cap, ORAL, daily, Requested Start Date/Time 2015/03/11 10:21 non-CYTOTOXIC Hazardous tacrolimus	6 mg	
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Step 1

- You will also know that the patient you are caring for has received a hazardous drug and that you need to take precautions, by the Precaution sign outside of the patients room



STOP **H**

Non-Cytotoxic Hazardous Precautions

Double Gloves (one pair may be vinyl exam gloves and the other pair must be nitrile) required for contact with hazardous agent or agent waste.

Single Glove (nitrile or vinyl) required for contact with bodily fluids

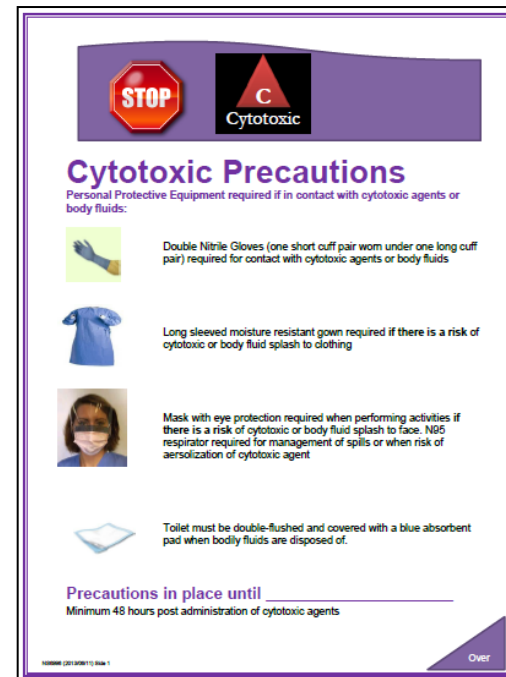
Long sleeved moisture resistant gown required if there is a risk of hazardous agent or body fluid splash to clothing

Mask with eye protection required when performing activities if there is a risk of hazardous agent or body fluid splash to face

Precautions in place until _____
Minimum 48 hours post administration of hazardous agents

Over

NONTOX (2015)0002 Rev 1



STOP **C**
Cytotoxic

Cytotoxic Precautions

Personal Protective Equipment required if in contact with cytotoxic agents or body fluids:

Double Nitrile Gloves (one short cuff pair worn under one long cuff pair) required for contact with cytotoxic agents or body fluids

Long sleeved moisture resistant gown required if there is a risk of cytotoxic or body fluid splash to clothing

Mask with eye protection required when performing activities if there is a risk of cytotoxic or body fluid splash to face. N95 respirator required for management of spills or when risk of aerosolization of cytotoxic agent

Toilet must be double-flushed and covered with a blue absorbent pad when bodily fluids are disposed of.

Precautions in place until _____
Minimum 48 hours post administration of cytotoxic agents


Over

NONTOX (2015)0002 Rev 1

Step 2 – Determine Dosage Form

Is this drug an **Injectable** dosage form? (e.g. IV, IM, SQ, IT, bladder instillation etc.)

Refer to the **Injections** section of the handling precautions chart:




CYTOTOXIC HAZARDOUS DRUGS		
Injections	Compromised Dosage Forms ^a	Intact Oral Dosage Forms ^b (tablets and capsules)
Precautions for Nursing staff; direct contact of hazardous drugs with skin or mucous membranes Nursing staff should <u>not</u> alter (i.e. crush/split) any cytotoxic or non-cytotoxic hazardous medication		
		• No auxiliary label required

Step 2 – Determine Dosage Form

Is it a **Compromised dosage** form? (e.g. oral liquids, splitting, crushing a tablet, opening a capsule, compounding, dissolve-and administer and topical products).

Refer to the **Compromised Dosage Form** section of the chart:



CYTOTOXIC HAZARDOUS DRUGS		
Injections	Compromised Dosage Forms ^a	Intact Oral Dosage Forms ^b (tablets and capsules)
Precautions for Nursing staff; direct contact of hazardous drugs with skin or mucous membranes Nursing staff should <u>not</u> alter (i.e. crush/split) any cytotoxic or non-cytotoxic hazardous medication		
		• No auxiliary label required

Step 2 - Compromised Dose Forms

- Pharmacy will purchase or prepare a liquid dosage form if required for your patient.
- If this is not available, they may suggest the *Dissolve-and-Administer* (refer to Appendix C)
- Contact pharmacy for full instructions on using this method and to ensure that the medication can be administered in this manner.

Dissolve-and-Administer

Dissolve-and-administer to be prepared by nurse on floor when:

- Tablet(s)/capsule(s) easily dissolve in water AND
- Total resultant volume is to be administered

(See Section 1)

Dissolve-and-administer is to be prepared by pharmacy when:

- Tablet(s)/capsule(s) must be crushed/opened OR
- Partial resultant volume is to be administered

(See Sections 2-4)

Procedure for Nursing:

Don PPE and arrange materials on plastic-backed pad at the patient's bedside

Remove plunger from oral syringe

Place tablets/capsule in syringe without crushing/opening

Insert plunger into syringe barrel

Draw water into syringe as directed then draw additional 1mL of air.

Place cap on tip of syringe

Shake syringe and let sit for 2-5 minutes, then shake again to dissolve

Administer dose directly from syringe

Draw up additional water into syringe, shake and administer to ensure entire dose given

Discard syringe into appropriate disposal

Step 2 – Determine Dosage Form

Is the drug in an oral solid, intact dosage form? (e.g. tablet or capsule) and supplied as a “Unit Dose” package, no further manipulation of drug is required

Refer to the **Intact Oral Dosage Forms** section of the handling precautions chart (appendix B)

CYTOTOXIC HAZARDOUS DRUGS		
Injections	Compromised Dosage Forms ^a	Intact Oral Dosage Forms ^b (tablets and capsules)
Precautions for Nursing staff; direct contact of hazardous drugs with skin or mucous membrane Nursing staff should <u>not</u> alter (i.e. crush/split) any cytotoxic or non-cytotoxic hazardous medication		
		• No auxiliary label required

NOTE: If a solid oral intact dosage form is not appropriate for administration to your patient (cannot swallow tablet, medication is administered through a feeding tube, etc.)

DO NOT CRUSH TABLET or OPEN CAPSULE


and

Contact pharmacy for assistance

Step 3 – Follow the Handling Precautions

Referring to the Handling Precautions for Hazardous Drugs Chart (Appendix) find the process you are about to complete for the specified category of drug and follow the instructions.

e.g. For cyclophosphamide injection the nurse would follow the instructions circled here:

CYTOTOXIC HAZARDOUS DRUGS			
	Injections	Compromised Dosage Forms ^a	Intact Oral Dosage Forms ^b (tablets and capsules)
ADMINISTRATION & DISPOSAL	Precautions for Nursing staff; direct contact of hazardous drugs with skin or mucous membranes Nursing staff should <u>not</u> alter (i.e. crush/split) any cytotoxic or non-cytotoxic hazardous medication		
Identification labeling as supplied by Pharmacy and as identified on the Medication Administration Record			<ul style="list-style-type: none"> No auxiliary label required As shown on MAR Cytotoxic Precautions – Handle and Dispose of as per policy
Handling precautions	<ul style="list-style-type: none"> Double gloves^c Approved chemotherapy gown Safety goggles or face shield in “High Risk” situation^e Fluid resistant mask in “High Risk” situation^e 		<ul style="list-style-type: none"> Double gloves^c
Drug Packaging Disposal and Drug Waste	<ul style="list-style-type: none"> Approved Cytotoxic Waste container 		
Waste Drug Handling (protective wear)	<ul style="list-style-type: none"> Double gloves^c Approved chemotherapy gown Safety goggles or face shield in “High Risk” situation^e Fluid Resistant mask for in “High Risk” situation^e 		<ul style="list-style-type: none"> Double gloves^c
Patient Blood and Body Fluids Handling	<ul style="list-style-type: none"> Double gloves^c Approved chemotherapy gown Safety goggles or face shield in “High Risk” situation^e Fluid Resistant mask in “High Risk” situation^e 		
Patient Blood and Body Fluids Handling and Contaminated Supplies Disposal	<ul style="list-style-type: none"> Toilet for urine, feces, emesis - double flush Approved Cytotoxic Waste Container contaminated supplies (e.g. IV tubing, used PPE, incontinence pads, saturated linen, disposable patient care items - e.g. urinals, bedpans) All other supplies, apply routine practices for cleaning, and disposal 		

Summary – Key Points

- Hazardous medications can potentially cause harm to workers.
- Hazardous medications can be classified as cytotoxic and non-cytotoxic.
- There are 3 steps staff members need to be aware of when handling these agents.

Other Key Points

- Be familiar with the policy.
- Report any exposure (direct and indirect contact / skin puncture) with hazardous medication to immediate supervisor and complete AEMS
- Discuss concerns about pregnancy, breast-feeding or planned pregnancy with your supervisor - may lead to temporary reassignment.

CYTOTOXIC and NON-CYTOTOXIC HAZARDOUS MEDICATIONS

THE LIST



Appendix A

CYTOTOXIC HAZARDOUS MEDICATIONS		NON-CYTOTOXIC HAZARDOUS MEDICATIONS	
altretamine	gemtuzumab ozogamicin	abiraterone	iloprost
amsacrine	hydroxyurea	acitretin	imatinib
arsenic	IDArubicin	alitretinoin	ISOTretinoin
azaCITIDine	Ifosfamide ipilimumab	ambrisentan	lapatinib
azathioprine	irinotecan	anastrozole	leflunomide
bacillus calmette guerin (bladder instillation only)	lenalidomide	bexarotene	letrozole
• biohazardous agent	lomustine	bicalutamide	leuprolide
• requires cytotoxic handling and precautions	mechlorethamine	bosentan	megestrol
bendamustine	melphalan	buserelin	methylTESTOSTERone
bleomycin	mercaptapurine	cetorelix	mifepristone
bortezomib	methotrexate	choriogonadotropin alfa	misoprostol
brentuximab vedotin	mitoMYcin	cidofovir	mycophenolate
busulfan	mitotane	colchicine	nafarelin
capecitabine	mitoXANtrone	cycloSPORINE	nilotinib
carbaxetaxel	nab-paclitaxel	cyproterone	nilutamide
CARBOplatin	nelarabine	dasatinib	oxandrolone
Carmustine	oxaliplatin	degarelix	pentamidine (aerosol only)
chlorambucil	PACLitaxel	dinoprostone	plerixafor
CISplatin	PEMEtrexed	dutasteride	raloxifene
cladribine	pentostatin	enzalutamide	ribavirin
clofarabine	procarbazine	erlotinib	ruxolitinib
crizotinib	raltitrexed	everolimus	sirolimus
cyclophosphamide	SORAfenib	exemestane	tacrolimus
cytarabine	streptozocin	finasteride	tamoxifen
dacarbazine	SUNItinib	fingolimod	testosterone
DACTINomycin	temozolomide	fluoxyimesterone	tofacitinib
DAUNORubicin	temsirolimus	flutamide	trastuzumab
decitabine	teniposide	foscarnet	tretinoin
dexrazoxane	thalidomide	fulvestrant	triptorelin
DOCEtaxel	thioguanine	ganirelix	ulipristal
DOXORubicin	thiotepa	gefitinib	zidovudine
DOXORubicin liposomal	topotecan	goserelin	
Epirubicin	trastuzumab emtansine		
eribulin	uracil mustard		
estramustine	valGANciclovir		
etoposide	valrubicin		
floxuridine	vandetanib		
flucytosine	vemurafenib		
fludarabine	vinBLAStine		
fluorouracil	vinCRIStine		
ganciclovir	vindesine		
gemcitabine	vinorelbine		

HANDLING



Appendix B

Appendix B - Handling Precautions for Hazardous Drugs

		CYTOTOXIC HAZARDOUS DRUGS			NON-CYTOTOXIC HAZARDOUS DRUGS		
DEFINITIONS							
Refer to Appendix A: Cytotoxic and Non-Cytotoxic Hazardous Drugs List.							
	Cytotoxic Hazardous Drugs (CHDs) - drugs that are detrimental or destructive to cells within the body. These agents are commonly used in cancer treatment but may also be used for other disorders. CHDs may be cytotoxic mutagenic, genotoxic or carcinogenic.			Non-Cytotoxic Hazardous Drugs - drugs which are hazardous, but not cytotoxic, pose a different risk in general than cytotoxic drugs and require specific handling precautions. Non-cytotoxic hazardous drugs may affect the reproductive system (e.g. teratogenicity, impaired fertility), endocrine system, immune system, respiratory system or have potential to transmit infection.			
	Injections	Compromised Dosage Forms ^a	Intact Oral Dosage Forms ^b (tablets and capsules)	Injections	Compromised Dosage Forms ^a	Intact Oral Dosage Forms ^b (tablets and capsules)	
RECEIVING PRECAUTIONS							
Precautions for personnel receiving shipments at loading dock and delivering to pharmacy; containers identified with a hazardous/cytotoxic warning label.							
Original packing and packaging intact	• No special precautions (gloves available)			• No special precautions			
Visibly damaged shipment	• Initiate Universal Spill Procedure, notify Pharmacy Coordinator of damaged package			• Notify Pharmacy Coordinator			
UNPACKING PRECAUTIONS							
Precautions for pharmacy personnel unpacking shipping containers; packing slip information should be reviewed for contents prior to unpacking.							
Original packing and packaging intact	• Gloves and approved chemotherapy gown			• No special requirements			
Visibly damaged shipment	• Initiate Universal Spill Procedure, if possible take picture of damaged product then discard, notify pharmacy coordinator			• Initiate Universal Spill Procedure, if possible take picture of damaged product then discard, notify Pharmacy Coordinator			
Drug Packaging Disposal	• Approved Cytotoxic waste container			• Approved Cytotoxic waste container			
PREPARATION PRECAUTIONS							
Precautions for Pharmacy personnel; Nursing staff should <u>not</u> alter (i.e. crush/split tablets, open capsules) any cytotoxic or non-cytotoxic hazardous medication - please contact Pharmacy.							
Preparation by	Pharmacy ONLY (except dissolve and administer – See Appendix C ³)			Pharmacy ONLY (except dissolve and administer – See Appendix C ³)			
Preparation area	• Class II Biological Safety Cabinet and Closed System Device ^d where available	• Designated cytotoxic packaging area ^a (VH Manufacturing only) • Class II Biological Safety Cabinet	• Designated cytotoxic packaging area ^a	• Regular clean room procedures	• Designated Hazardous packaging area ^a (VH Manufacturing only) • Class II Biological Safety Cabinet	• Designated Hazardous packaging area ^a (VH manufacturing only)	
Protective wear for preparing drug	• Double gloves ^e , approved chemotherapy gown, bonnet and surgical mask	• Double gloves ^e , approved chemotherapy gown, bonnet and surgical mask	• Single nitrile gloves, approved chemotherapy gown in designated packaging area ^a	• Proper PPE for IV Prep (isolation gown, gloves and surgical mask)	• Double gloves ^e , approved chemotherapy gown, bonnet and surgical mask	• Single nitrile gloves	
Protective wear for cleanup of preparation area	• Full PPE (gloves, approved chemotherapy gown, bonnet, N95 mask, eye shield) required for cleaning Biological Safety Cabinet		• Single nitrile gloves, approved chemotherapy gown in designated packaging area ^a	• Proper PPE for IV Prep (isolation gown, gloves and surgical mask)	• Full PPE (gloves, approved chemotherapy gown, bonnet, N95 mask, eye shield) required for cleaning Biological Safety Cabinet	• Single nitrile gloves	
Packaging format	Ready to Administer ⁶ (except dissolve and administer – See Appendix C ³)			Ready to Administer ⁶ (except dissolve and administer – See Appendix C ³)			
Labeling requirements (for drugs to be used in patient care area)	 <ul style="list-style-type: none"> • No auxiliary label required • As shown on MAR • Cytotoxic – Handle and Dispose of as per policy 			 <ul style="list-style-type: none"> • No auxiliary label required • As shown on MAR • Hazardous Drug – Handle and Dispose of as per policy 			
Packaging for transport to patient care area	• Closed leak-proof plastic bags (Ziploc [®]) and identified with Cytotoxic Drug Symbol			• Closed leak-proof plastic bags (Ziploc [®]) and identified with Hazardous Drug Symbol			
Packaging for transport to other pharmacy area or external pharmacy)	• Closed leak-proof plastic bags (Ziploc [®]) and identified with Cytotoxic Drug Symbol • Separate from other drugs • Transport should be in a rigid container, labeled with Cytotoxic Symbol (for specified areas)			• Closed leak-proof plastic bags (Ziploc [®]) and identified with Hazardous Drug Symbol • Separate from other drugs • Transport should be in a rigid container, labeled with Hazardous Symbol (for specified areas)			

HANDLING page 2

Appendix B

	CYTOTOXIC HAZARDOUS DRUGS			NON-CYTOTOXIC HAZARDOUS DRUGS		
	Injections	Compromised Dosage Forms ^a	Intact Oral Dosage Forms ^b (tablets and capsules)	Injections	Compromised Dosage Forms ^a	Intact Oral Dosage Forms ^b (tablets and capsules)
ADMINISTRATION & DISPOSAL	Precautions for Nursing staff; direct contact of hazardous drugs with skin or mucous membranes must be avoided at all times (refer to Accidental Spill Policy). Nursing staff should <u>not</u> alter (i.e. crush/split) any cytotoxic or non-cytotoxic hazardous medication (please contact Pharmacy if special requirements are needed).					
Identification labeling as supplied by Pharmacy and as identified on the Medication Administration Record			<ul style="list-style-type: none"> No auxiliary label required As shown on MAR Cytotoxic Precautions – Handle and Dispose of as per policy 			<ul style="list-style-type: none"> No auxiliary label required As shown on MAR Hazardous Drug – Handle and Dispose of as per policy
Handling precautions	<ul style="list-style-type: none"> Double gloves^c Approved chemotherapy gown Safety goggles or face shield in "High Risk" situation^e Fluid resistant mask in "High Risk" situation^e 		<ul style="list-style-type: none"> Double gloves^c 	<ul style="list-style-type: none"> Double gloves^c Approved chemotherapy gown Safety goggles or face shield in "High Risk" situation^e Fluid resistant mask "High Risk" situation^e 		<ul style="list-style-type: none"> Single gloves
	Supplied as Ready to administer ^f from pharmacy (except dissolve and administer – See Appendix C ^h)			Supplied as Ready to administer ^f from pharmacy (except dissolve and administer – See Appendix C ^h)		
Drug Packaging Disposal and Drug Waste	<ul style="list-style-type: none"> Approved Cytotoxic Waste container 			<ul style="list-style-type: none"> Approved Biohazard Waste container 		<ul style="list-style-type: none"> Approved Pharmaceutical Waste container
Waste Drug Handling (protective wear)	<ul style="list-style-type: none"> Double gloves^c Approved chemotherapy gown Safety goggles or face shield in "High Risk" situation^e Fluid Resistant mask for in "High Risk" situation^e 		<ul style="list-style-type: none"> Double gloves^c 	<ul style="list-style-type: none"> Double gloves^c Approved chemotherapy gown, Safety goggles or face shield in "High Risk" situation^e Fluid Resistant mask in "High Risk" situation^e 		<ul style="list-style-type: none"> Single gloves
Patient Blood and Body Fluids Handling	<ul style="list-style-type: none"> Double gloves^c Approved chemotherapy gown Safety goggles or face shield in "High Risk" situation^e Fluid Resistant mask in "High Risk" situation^e 			<ul style="list-style-type: none"> Routine practice (single glove-nitrile/vinyl) Approved chemotherapy gown Safety goggles or face shield in "High Risk" situation^e Fluid resistant mask in "High Risk" situation^e 		
Patient Blood and Body Fluids Handling and Contaminated Supplies Disposal	<ul style="list-style-type: none"> Toilet for urine, feces, emesis - double flush Approved Cytotoxic Waste Container contaminated supplies (e.g. IV tubing, used PPE, incontinence pads, saturated linen, disposable patient care items - e.g. urinals, bedpans) All other supplies, apply routine practices for cleaning, and disposal 			<ul style="list-style-type: none"> Routine practices for blood and body fluids (e.g. Urine, feces emesis in toilet) Approved Pharmaceutical Waste Container for contaminated supplies (e.g. IV tubing, used PPE, drug packaging) All other supplies, apply routine practices for cleaning or disposal 		

SPILL MANAGEMENT

Spill management Requirements

All spills must be handled by trained staff. If beyond your control call Code Brown.

All spills must be handled by trained staff. If beyond your control call Code Brown.

*Refer to: Management of Cytotoxic Spills

GLOSSARY OF TERMS

- a. Compromised Dosage Form – includes drug products under the following conditions: counting (anything not unit dose packaging from manufacturer), oral liquids, splitting, crushing a tablet, opening a capsule, compounding, dissolve and administer (Appendix C), and topical products
- b. Intact Oral Dosage Forms (tablets and capsules) – supplied as a "Unit Dose" package, no further manipulation of drug is required
- c. Double Gloves - When two pairs of gloves are recommended, gloves can be of different materials but should both be chemo approved material such as nitrile, polyurethane or neoprene.
- d. Closed System - commercial system that allows reconstitution and withdrawal of a liquid medication from a vial without risk of aerosolization or contamination of the worker or surroundings.
- e. "High-risk" situation - e.g. agitated patient or if there is a chance of splash or spray
- f. Designated Cytotoxic Packaging area (VH Manufacturing area by trained personnel only)
- g. Ready to administer – no further manipulation of the drug is required
- h. See Appendix C for dissolve and administer instructions.

Resources

- Link for policy: https://apps.lhsc.on.ca/lhsc-policy/search_res.php?polid=PCC091&live=1
- Contact a member of our team if you have questions

<i>Sandy Jansen</i>	<i>Cathy Stark</i>	<i>Jill Craven</i>
<i>Ally Dhalla</i>	<i>Jennifer Newman</i>	<i>Nadia Facca</i>
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<i>Gail Judd</i>	<i>Krista Biederman</i>	<i>Monica Kaszycki</i>
<i>Michelle Gratton</i>		
- Policy Go-live May 1, 2015



Questions?

