Technicians Checking Chemotherapy
How Do We Get There?

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Disclosure

This project received an unrestricted grant from the Alberta Cancer Foundation for improving chemotherapy safety.

Learning Objectives

Authorized Chemotherapy Checker

- CCA Pharmacy’s Policies and Procedures
- Tools including worksheet audits, e-learning modules, & demonstration of chemotherapy checking
- CCA Pharmacy’s embedded worksheets & checking process
- How to develop a chemotherapy checking program

In the beginning...

Pharmacy Technician Regulation
January 1, 2016
AHS Workforce Optimization = Full Scope of Practice
Pharmacists
Pharmacy Technicians
Pharmacy Assistants

Authorized Chemotherapy Checkers

2 Tertiary Cancer Centres
4 Regional Cancer Centres
11 Community Cancer Centres
4 Urban Sites

How to create a certification program that can be uniformly administered in all sites, all settings?

Best Practices Variety of Learning Methods

What did we want?
Pre-reading
Hands-on training
Mock simulations
Demonstration of skill (peer evaluation & testing)
Policies

What did we have?
Pre-reading
Hands-on training
Embedded worksheets
Embedded worksheet audits
Experienced pharmacists
Gaps...

- Mock Simulations (actual good catches)
- Demonstration of Skill (peer evaluation & testing)
- Policy

Embedded Worksheets

- IV chemotherapy checking tool developed in 2009
- Medication incident in 2008 (topotecan/raltitrexed)
- Used at TCCs for ~2 years
- Tested and updated
- Rolled out to all sites in 2012

Embedded Worksheets

Standardize IV chemotherapy checks

- 4 critical check points
- Specific steps at each check – human factors/mock simulations
- Accountability at each check

Embedded Worksheets

<table>
<thead>
<tr>
<th>DOSE CHECK</th>
<th>(ACC* &amp; Technician)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Tech - bring drug syringes &amp; vials to window</td>
<td>2. ACC* - verbalize drug name &amp; conc. if applicable from vial at window &amp; vials in syringe(s)</td>
</tr>
<tr>
<td>3. ACC* - match drug names &amp; vials to final product label &amp; record each volume of syringe on worksheet</td>
<td>4. Tech - verbalize DIN from drug vial &amp; ACC* match DIN to worksheet</td>
</tr>
<tr>
<td>5. Tech - verbalize USP expiry from drug vial &amp; ACC* match USP expiry to worksheet</td>
<td>6. Tech - bring solution bag to window (if applicable)</td>
</tr>
<tr>
<td>7. ACC* - verbalize solution bag type &amp; volume, match to final product label &amp; verify expiry of solution bag</td>
<td>8. ACC* - give final product label to tech</td>
</tr>
<tr>
<td>9. ACC* - give final product label to tech</td>
<td>10. ACC* - initial worksheet for dose check &amp; confirm preparation. Tech is signed off</td>
</tr>
</tbody>
</table>

Wouldn’t it be nice if...

- we could develop an e-learning module that combines the embedded worksheets & mock simulations to be available through AHS online learning platform MyLearningLink?

MyLearningLink

- Standardize training
- Available to all staff, all sites
- Testing component
- Feedback component
- Interactive learning environment
Opportunity Knocks... Patient Focus, System Focus

Chemotherapy Checking e-Learning Module

Interactive e-learning
- Hidden patients
- Match games
- Videos
- Show me, try me, testing
- All patients are to be kept safe to access final tests

Chemotherapy Checking e-Learning Module

- Embedded worksheets basis of module – checklists
- Human factors informed live mock simulations
- Use of actual good catches from sites across province

Chemotherapy Checking e-Learning Module

Personal Audits on Embedded Worksheets
- Techs and pharmacists
- 5 audits/check stop
- Annual Q&A

Policies
Authorized Chemotherapy Checker Policy

Successful completion of:
1. AHS Pharmacy Services - Checking Orientation & Training Manual e-Learning Module
2. Chemotherapy Checking e-Learning Module
3. Chemotherapy checking training with a trainer
4. Personal audit tools for chemotherapy checklists (embedded worksheets)
5. Demonstration of AHS Chemotherapy Checking (100 checks)

Policy Checks & Balances

Chemotherapy Checking Module
3 month pause
Remedial exam

Demonstration of AHS Chemotherapy Checking
3 attempts allowed
Must start from beginning
1 year pause
Begin entire program from beginning

Authorized Chemotherapy Checker Policy

Launch – January 1, 2016
Policy & Chemotherapy Checking e-Learning Module

Current Status
75% of techs from RCCs
50% of techs at CCI
78% of techs from TBCC
All existing & new pharmacists
All CancerControl Alberta technicians to be authorized by January 1, 2018

Great Team

Carole Chambers, Director
Roxanne Dobish, Pharmacy Manager – Cancer Network
Annette Kempson, Pharmacy Educator
Robin Burns, Pharmacy Operations Manager – Cancer Network
Dave Garay, Pharmacy Technician – TBCC
Sukhraj Gill, Pharmacy Technician - CCI
The necessary skills to safely complete chemotherapy checking can be enhanced by the use of this e-Learning Module available ($40.00 Canadian) at http://www.chemochecking.com

Questions?