



BC Cancer Agency

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Pharmacy Education

Looking Ahead to Year 2012

Sally Man BScPharm, ACPR, PharmD

Provincial Pharmacy Education Coordinator

December 3, 2011



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Pharmacy Education Team

CORE-Rx (Clinical Oncology Resource Educators of Pharmacy):

- ❖ **Dr. Shirin Abadi** – Education Coordinator, BCCA-VC
- ❖ **Lynne Ferrier** – Pharmacy CON Educator, BCCA-FVC
- ❖ **Rhonda Kalyn** – Pharmacy CON Educator, BCCA-CSI
- ❖ **Dr. Sally Man** – Provincial Pharmacy Education Coordinator
- ❖ **Dr. Lynne Nakashima** – Professional Practice Leader, BCCA-VC
- ❖ **Dr. Enny Oetomo** – Pharmacy CON Educator, BCCA-VIC



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Conflicts of Interest

None to disclose



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Outline



**WHERE ARE WE HEADING
IN 2012?**

WHERE HAVE WE GONE IN 2011?

WHERE WERE WE 1 YEAR AGO?

Outline



WHERE WERE WE 1 YEAR AGO?

Where Were We 1 Year Ago?

Goals: To collaborate with other pharmacy educators and individuals involved in education to...

1. Identify learning needs of BC Oncology pharmacists.

2. Organize & coordinate educational efforts to enhance Oncology foundational knowledge, to keep abreast of new & emerging therapies, and to meet ongoing learning needs.

3. Build network to bridge learning between centres.

Review 2009
CAPHO Needs
Assessment



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Highlights from 2009 CAPhO Needs Assessment 2009 – BC

Confidence in Oncology Practice:

- 63% No oncology background/Trained on-the-job
- 10% Adequately prepared to start oncology practice
- 85% “Feeling comfortable in the area” is important to keeping me in oncology pharmacy practice
- 65% “Quality education readily available/accessibile” is important to keeping me in oncology pharmacy practice



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Highlights from 2009 CAPhO Needs Assessment 2009 – BC

Top 5 Topics of Interest:

- (1) New & emerging therapies (75.6%)
- (2) Treatment of cancer by disease site (70.7%)
- (3) Side effect management (65.9%)
- (4) Oncology disease/drug interactions (63.4%)
- (5) Pharmacology of cancer drugs (56.1%)



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Highlights from 2009 CAPhO Needs Assessment 2009 – BC

Preferred Educational Efforts:

- (1) CE for pharmacists with little/no exposure to oncology practice
- (2) CE for pharmacists with oncology experience
- (3) Standardized training/certification for new oncology pharmacists
- (4) Establishing regional pharmacy networks to share knowledge, resources, training, etc.

Outline



**WHERE HAVE WE GONE
IN 2011?**

Where Have We Gone In 2011?

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Review 2009 CAPhO Needs Assessment

- o Pharmacy Education Rounds (Monthly)
- o BCCA Education Program for Oncology Pharmacists



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I. Monthly Pharmacy Rounds

- Started February 2011
- 4th Thursday of every month @ 12:30-13:30 H
- Video-/tele-conferenced to BCCA & CON centres
- Video-recorded (BCCA website, H:Drive)
- Range of topics:
 - ❖ Therapeutic review
 - ❖ Newly approved cancer treatment
 - ❖ Practical drug distribution topics



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II. BCCA Education Program for Oncology Pharmacists

Goals:

- 1) To ensure adequate foundation knowledge to provide safe and effective cancer patient care.
- 2) To facilitate pharmacists in feeling confident in their Oncology knowledge and the care they provide.
- 3) To facilitate application of knowledge into Oncology clinical practice.



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II. BCCA Education Program for Oncology Pharmacists

Scope:

This Program Is:

- Available to BCCA & CON pharmacists
- Optional
- Self-directed
- Beneficial to all levels of learners

This Program Is NOT:

- Orientation training
- Preceptor-guided internship
- Non-Oncology related education
- Education program for Pharmacy technicians and assistants



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II. BCCA Education Program for Oncology Pharmacists

How It This Different From Other Programs?

Examples:

- Pharmacotherapy Self-Assessment Program (PSAP)
- Board Certified Oncology Pharmacists (BCOP)
- Oncology Basics (CAPHO)



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II. BCCA Education Program for Oncology Pharmacists

Program Framework:

TOPICS	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
Chemotherapy Process	Order Review Navigating Website Prep/Safe Handling Patient Assistance Programs Frequent Protocols/Pt. Info Patient Counselling Routes of Administration (M1) <ul style="list-style-type: none"> ● Extravasation 	Routes of Administration (M2) <ul style="list-style-type: none"> ● Catheter Occlusion ● Thrombosis ● Venous Sclerosis 		
Oncology Basics	Epidemiology Etiology Tumor Classification Modalities of Treatment Goals of Therapy Medication Compliance	Secondary Malignancy	Screening and Prevention	

II. BCCA Education Program for Oncology Pharmacists

Revised Program Structure:

Level I: Core Clinical Foundation

- Provides foundation of knowledge in broad spectrum of Oncology topics to enable pharmacist to demonstrate competence in Oncology practice

Level II: Advanced Clinical Practice

- To facilitate the pharmacist to progress to an advanced level of clinical Oncology practice



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II. BCCA Education Program for Oncology Pharmacists

Level I:

Unit	# of Topics
I. Chemotherapy Process	8
II. Oncology Basics	1
III. Pharmacology	2
IV. Adverse Effects of Chemotherapy and Management	4
V. Laboratory Monitoring	2
VI. Cancer Management	4
VII. Oncologic Emergencies	1
VIII. Complementary and Alternative Medicine (CAM)	1
IX. Other	3
Total	26

II. BCCA Education Program for Oncology Pharmacists

Level II:

Unit	# of Topics
I. Chemotherapy Process	1
II. Oncology Basics	2
III. Pharmacology	2
IV. Adverse Effects of Chemotherapy and Management	1
V. Laboratory Monitoring	2
VI. Diagnostic Tests	1
VII. Cancer Management	13
VIII. Symptom Management	1
IX. Oncologic Emergencies	1
X. Other	1
Total	25

II. BCCA Education Program for Oncology Pharmacists

Program Planning:

- Identified existing references & resources
- Identified “completed” topics
- Submitted business proposal



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II. BCCA Education Program for Oncology Pharmacists

Program Development Plan:

Phase	Development	Implementation	Evaluation	Timeline
A	Select topics in Level I	—	—	Jan 2012 to Jun 2013
B	Remaining topics in Level I; Select topics in Level II	Topics developed in Phase A	Topics developed in Phase A	Jul 2013 to Jul 2014
C	Remaining topics in Level II	Topics developed in Phase B	Topics developed in Phase A & B	Jul 2014 to Jul 2015
D	—	Topics developed in Phase C	Comprehensive program evaluation	Jul 2014 to Jul 2015

II. BCCA Education Program for Oncology Pharmacists

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II. BCCA Education Program for Oncology Pharmacists

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D	—	Topics developed in Phase C	Comprehensive program evaluation	Jul 2015 to Jul 2016

Outline



**WHERE ARE WE
HEADING IN 2012?**

Where Are We Heading in 2012?

Phase A of Program Development: (Jan 2012-Jun 2013)

- Select:
 - ❖ Program Editor
 - ❖ Authors
 - ❖ Expert Reviewers

- Finalize topic development guidelines for authors

- Explore program accreditation potential

- Plan for program delivery



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Ongoing

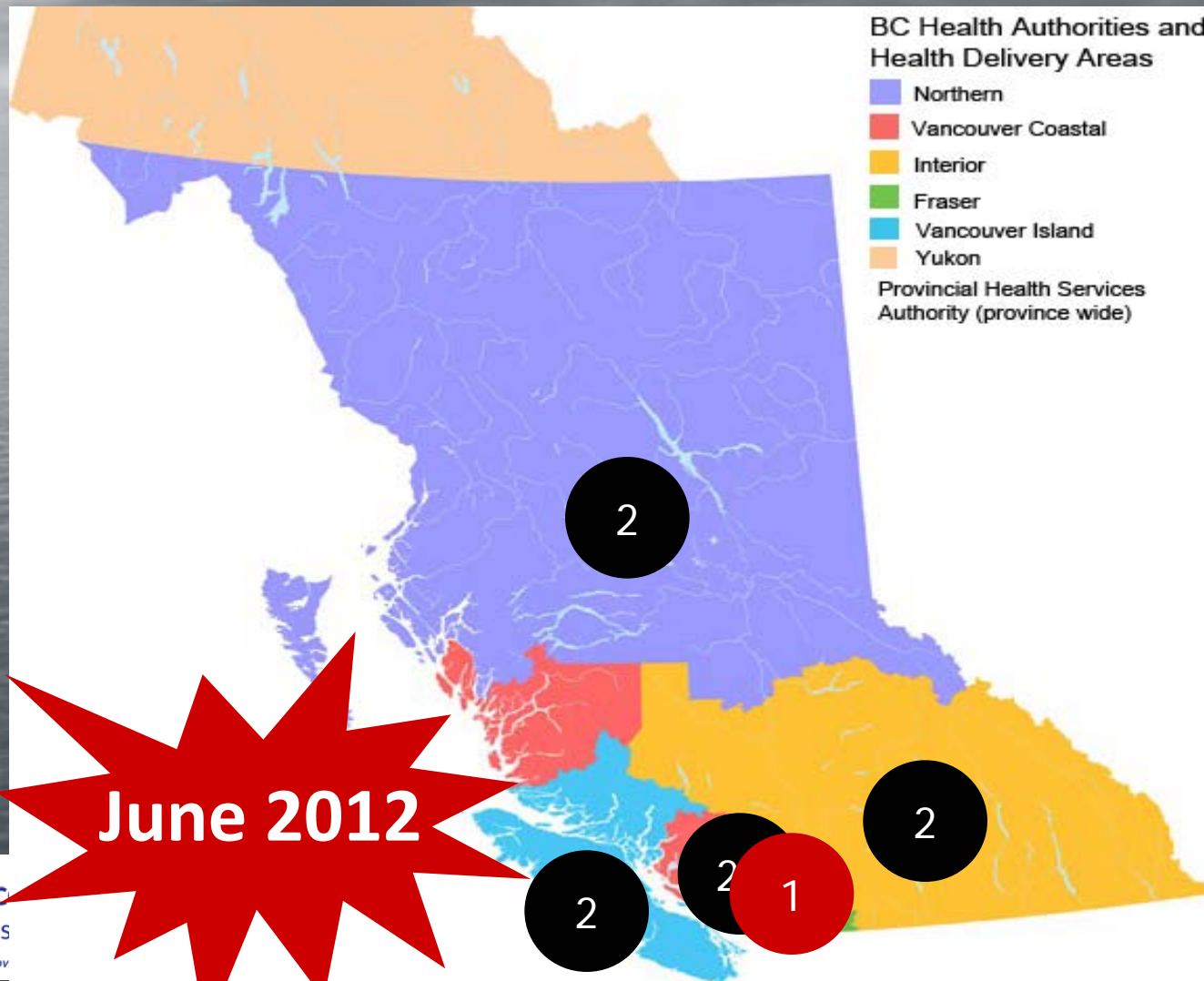


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BCCA Pharmacy Practice Residency Program



BCCA Pharmacy Practice Residency Program

- 1-year experiential learning program with focus in Oncology
- Applicants – BSc(Pharm)
- Accreditation application submitted (ACPR)

CONTACTS:

- Program Director
 - ❖ Susan Walisser (SWalisse@bccancer.bc.ca)
- Program Coordinator
 - ❖ Sally Man (SMan3@bccancer.bc.ca)



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Residency Rotations	Weeks	Preceptors
Drug Distribution	4	Dennis Jang Shawn Cassidy Linda Hamata
Pharmacokinetics/Evidence Based Medicine	2	External
Drug Information	3	Victoria Kletas Dr. Mario de Lemos
Medication Safety	1	Crystal Amos
Practice Management	2	Susan Walisser
Clinical Orientation	1	Dr. Sally Man
Inpatient Oncology Care	4	Dr. Shirin Abadi
Internal Medicine	4	External
Ambulatory Oncology Care	4	Judith Nyrose Randy Goncalves
Pain and Symptom Management	1	Stephanie Soon Reid Glover
Breast Cancer	4	Dr. Sally Man
Gastrointestinal Cancer	4	Dr. Shirin Abadi
Lymphoma	4	Louisa Pang

QUESTIONS?

