SELECTED CONTINUING EDUCATION RESOURCES ON

CLINICAL KNOWLEDGE

This listing presents selected resources, which are related to improving skills relating to clinical knowledge management. The order in which they are listed does not reflect their relative merits or value. If you need assistance in finding resources to meet your specific needs, you may contact the College as indicated below and we will endeavour to direct you to relevant programs. Resources are being investigated on an ongoing basis in the areas of communication skills, the pharmaceutical care process, and clinical knowledge.

For further information contact:
Continuing Competency Programs
Ontario College of Pharmacists
483 Huron St.
Toronto, ON M5R 2R4
Tel: 416-847-8264
Fax: 416-847-8282
Email: ccompetency@ocpinfo.com

Last update: August 2015
SELECTED CONTINUING EDUCATION RESOURCES ON CLINICAL KNOWLEDGE

Table of Contents

<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Live Courses / Seminars / Workshops</td>
<td>3</td>
</tr>
<tr>
<td>Self-Study</td>
<td>5</td>
</tr>
<tr>
<td>Reference Texts</td>
<td>9</td>
</tr>
</tbody>
</table>

Remarks

US Resources:

The University of Toronto Book Store will order US resources upon request. If you are interested in purchasing a reference text or self-study CE from the US, you can contact the U of T Bookstore to place the order for you. This will avoid unnecessary inconveniences (e.g., customs, exchange rates, etc.).

Textbooks available at:

University of Toronto Book Store
Koffler Centre
(Downtown St. George Campus)
214 College St.
Toronto, ON
M5T 3A1
Web: http://www.uoftbookstore.com

General Inquiries:
Tel: 416-640-7900 or 1-800-677-0892
Email: info@uoftbookstore.com

Medical Books:
Tel: 416-640-5830 or 1-800-387-4420
Email: medical@uoftbookstore.com

Special Orders:
Tel: 416-640-5827
Email: specialorders@uoftbookstore.com
Live Courses / Seminars / Workshops
The following course offered by the International Pharmacy Graduate Program, Leslie Dan Faculty of Pharmacy, University of Toronto, requires classroom attendance. The course is offered both live and online.

### Canadian Pharmacy Skills (CPS) I Module 1
**Pharmaceutical Care - Applied Therapeutics Lecture Series**
[http://www.ipgcanada.ca/cps1-module1.html](http://www.ipgcanada.ca/cps1-module1.html)

Therapeutics is designed to enhance the pharmacists' basic knowledge of pharmacotherapy and integrate it with acquired problem solving skills. Didactic sessions, accompanied by discussion of patient scenarios, will give the learner the opportunity to gain an understanding of specific chronic disease states and the management of drug-related problems commonly encountered in pharmacy practice.

The course consists of interactive lectures that use a case-based approach to learning. Various pharmacists who have clinical experience in managing the disease state of interest are invited as guest lecturers. They teach and facilitate a discussion of the relevant issues and the management of drug related problems using patient cases. The therapeutic thought process (TTP) will be used as a problem-solving framework for the drug-related problems whenever possible.

For information on costs, dates, times, location, etc., of the above course, please contact:

Ghayas Shams, Program Assistant
International Pharmacy Graduate Program
Tel: 416-946-5779
Email: lpg.phm@utoronto.ca
Self-Study
rxPassport
http://www.rxpassport.ca/

Canadian Healthcare Network
http://www.canadianhealthcarenetwork.ca

rxBriefCase
http://www.rxbriefcase.com

rxPassport is a one-stop access to Canadian Healthcare Network
http://www.canadianhealthcarenetwork.ca/pharmacists/, and rxBriefCase
http://www.rxbriefcase.com websites, where pharmacists can participate in
Canadian Council on Continuing Education in Pharmacy (CCCEP) approved CE
lessons and keep abreast of health-related news and practice issues.

Advancing Practice
http://www.advancingpractice.com/

Online certificate courses co-developed with rxBriefCase.com and
AdvancingIn.com. Provides practical tools and resources to help build
knowledge, skills and advance practice.

Advancing In
http://www.advancingin.com/

Online continuing medical education programs and technology for healthcare
professionals across Canada.

Not Available
PSAP-VI is a series of continuing education activities for home study, designed to provide pharmacists with material on contemporary topics related to pharmacotherapy. The series presents the latest information on specific topics. The program is designed as a self-assessment tool to enhance pharmacists clinical skills at their own pace and keep them informed of current therapeutic opinions and updated standards of practice. PSAP VI allows pharmacists to develop and assess their knowledge in the science and application of pharmacotherapy and to enhance their educational competence in this specialty, with an emphasis on providing quality pharmaceutical care.

PSAP-VI covers 15 therapeutic areas in a series of 11 home-study books. Each book includes peer-reviewed chapters containing current, relevant information within a therapeutic area. Each chapter includes updates on critical pharmacotherapy, annotated references and additional resources for further study, and multiple choice self-assessment questions written in case-study format. Answers to and detailed rationale for the self-assessment questions are available online to PSAP-VI subscribers.
From the Publisher

Developed in cooperation with the American Society of Health-System Pharmacists, the *Concepts in Clinical Pharmacokinetics Online CE Course* is a 15-week, web-based distance-learning, continuing education course on the fundamental principles of absorption, distribution, metabolism, and the elimination of drugs by the human body as well as clinical application, including case studies of commonly dosed drugs.

Based on the best-selling textbook of the same title, *Concepts in Clinical Pharmacokinetics*, is rich in multimedia elements that expand on the text and stimulate learning. These elements provide the basis for an intense, instructor-facilitated course that brings to life the realities and nuances of clinical pharmacokinetics.

A time frame of 15 weeks is available to complete the 11-Lesson, self-paced self-study course, and, if choosing to register for the ACPE-Accredited Certificate Component, up to three months to complete the certificate assignments.
Reference Texts
A pocket-sized drug guide for Canada:
List of newly approved drugs
List of discontinued drugs
Clearly and concisely organized by organ system and drug class for quick and intuitive access
Emergency drugs lists
ACLS guidelines
List of Poison Control Centres in Canada
Glasgow Coma Scale, dermatomes
Important formulas
Thumb register for quick access

Comprehensive Pharmacy Review
8th Edition
Authors: Leon Shargel, Alan H Mutnick, Paul F Souney
Publisher: Lippincott Williams & Wilkins Publishers
Published: 2013

Comprehensive Pharmacy Review and Practice Exams, Case Studies, and Test Prep 8E Package 8th Edition
Authors: Leon Shargel, Alan H Mutnick, Paul F Souney, Larry N Swanson
Publisher: Lippincott Williams & Wilkins Publishers
Published: 2013

From the Publisher

Comprehensive Pharmacy Review
Reflects current progress in pharmacy education and practice and serve as a review guide for all pharmacy students, from the first year of professional courses to preparation for the NAPLEX® examination. Chapters by over 55 specialists provide comprehensive outlines and practice questions for all topics covered in the pharmacy curriculum, including chemistry, pharmaceutics, pharmacology, pharmacy practice, and drug therapy as well as medication errors and drug-drug and drug-nutrient interactions.
Comprehensive Pharmacy Review Practice Exams

Designed to assist pharmacy students with their preparation for the NAPLEX pharmacy board examination, this book contains two complete practice exams and accompanying answer sections with thorough explanations for each question. Questions in each practice examination cover every subject in today’s pharmacy curriculum, providing guidance and test practice that will strengthen students’ skills and confidence. All questions in this edition have been updated and revised to reflect the most recent progress in pharmacy education and practice. This text is a valuable test preparation tool, used by itself or in conjunction with Comprehensive Pharmacy Review.

Koda-Kimble and Young’s Applied Therapeutics: The Clinical Use of Drugs
10th Edition
Publisher: Lippincott Williams and Wilkins
Author: B.K. Alldredge, R.L. Corelli, M.E. Ernst et al
Published: February 2012

This widely used text uses a case-based approach to help students master the fundamentals of drug therapeutics. Students will learn the basics of common diseases and disorders and develop practical problem-solving skills for devising and implementing successful drug treatment regimens. Case studies integrated into each chapter illustrate key concepts and principles of therapeutics and give students practice in developing their own evidence-based therapeutic plans.

Compendium of Therapeutics for Minor Ailments
Publisher: Canadian Pharmacists Association
Editor: Carol Repchinsky, BSP
Published: August 2014

Therapeutic Choices for Minor Ailments provides the best available evidence to help the clinician deliver expanded services expertly and efficiently. It helps manage the continuum of care from non-pharmacologic to pharmacologic therapy and addresses patient assessment, goals of therapy and lifestyle management. It also includes outcomes monitoring, prevention, pregnancy and breastfeeding. Products for Minor Ailments, makes a great companion resource. Therapeutic Choices for Minor Ailments (formerly Patient Self-Care) provides the best available evidence to help manage the continuum of care from non-pharmacologic to pharmacologic therapy. Its companion, Products for Minor Ailments (formerly the Compendium of Self-Care Products) provides information on nonprescription products and comparative product tables for quick consultation in a practice setting.

Available Formats:
- Print (hard copy)
Products for Minor Ailments provides information on non-prescription products including drugs and natural health products, home tests, medical aids, and medical devices available in Canada. The comparative product tables are categorized by use to help select a product to meet specific consumer health needs, and to provide quick consultation in the practice setting. It is designed to be used with its companion resource, Therapeutic Choices for Minor Ailments.

Available Formats:
- Print (hard copy)
- Online: Web-based version is updated regularly for most current information

For more information:
1-800-917-9489 ext. 501
http://www.pharmacists.ca

The Compendium of Therapeutic Choices is a trusted source for evidence-based treatment information for all health care practitioners involved in therapeutic decision making. Practical bottom-line, clinical information is referenced and organized in a concise format by therapeutic condition. Each topic includes decision trees (algorithms) and drug tables that support decision making in a clinician’s everyday practice. Chapters are written by distinguished Canadian health care professionals and peer reviewed by experts. This book offers quick and easy access to therapeutic information to help deliver better patient care.

Highlights of the Seventh Edition
• Access to evidence-based information for more than 200 conditions with all updated content plus three new chapters: obsessive compulsive disorder, post-traumatic stress disorder and menorrhagia, as well as how to manage 72 conditions during pregnancy and breastfeeding
• New Canadian products added to the quick reference drug tables
• How to determine the best course of action with easy-to-use algorithms

Available Formats:
• Print (hard copy)
• Online: bilingual web-based version updated bi-weekly to ensure current information
• Mobile: Find recommended treatments for more than 200 hundred conditions with Drug Choices in the RxTx Mobile App. Check doses, adverse effects, drug interactions and relative cost over 2200 drugs. View all drugs/classes to treat a specific condition.

Note: RxTx is the new name for the e-Therapeutics subscription packages. It includes a redesigned, intuitive interface with a powerful search function.

For more information:
1-800-917-9489 ext.501
http://www.pharmacists.ca/

<table>
<thead>
<tr>
<th>e-Therapeutics Highlights CE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Publisher: Canadian Pharmacists Association</td>
</tr>
</tbody>
</table>

e-Therapeutics Highlights CE allows pharmacists to stay current with the latest evidence-based Canadian drug and therapeutic information. Each week an email highlight is sent from e-Therapeutics. Continuing Education Units (CEUs) can be earned by being part of the program.

Highlights:
• Enhance knowledge of evidence-based drug therapy
• Stay current with just-in-time learning
• Complete CEUs relevant to practice
• Save time – choose when and where to learn
• Track CCCEP-accredited CEUs
For more information:

e-Therapeutics Highlights CE Frequently Asked Questions
http://www.pharmacists.ca/index.cfm/education-practice-resources/professional-development/e-therapeutics-highlights-ce/e-therapeutics-highlights-ce-frequently-asked-questions/

**Compendium of Pharmaceutical and Specialties (CPS) 2015 Vol 1 and 2**
*Publisher: Canadian Pharmacists Association*
*Editor: Barbara Jovaisas*
*Published: February 2015*

The Compendium of Pharmaceuticals and Specialties (CPS) is the Canadian standard for drug monographs, developed by manufacturers, approved by Health Canada and optimized by CPhA editors.

It contains more than 2000 product monographs for drugs, vaccines and natural health products, including over 165 new products for the Canadian market. This definitive resource also has 161 monographs written by Canadian Pharmacists Association's editorial staff, based on the best available evidence and reviewed by expert physicians and pharmacists. Clinical tools, product images and directories of drug and health care information are included.

**Available Formats:**
- Print (hard copy)
- Online: bilingual web-based version updated bi-weekly to ensure current information
- Mobile: Gives quick access to key information on thousands of drugs and listings in the RxTx Mobile App.

For more information:
1-800-917-9489 ext.501
http://www.pharmacists.ca/

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**Principles of Medical Pharmacology**
*7th Edition*
*Authors: Harold Kalant, Denis Grant, Jane Mitchell*
*Publisher: Elsevier Science*
*Published: June 2006*

From the Publisher
Principles of Medical Pharmacology covers all aspects of medical pharmacology, making it the ideal text for students in pharmacology courses in medicine, biological sciences, pharmacy, and dentistry.

The book provides a solid foundation of the principles of pharmacology. Principles are explained through the use of practical examples and case studies. The text covers all aspects of medical pharmacology, including a comprehensive discussion of the clinically important features of pharmacokinetics.

The revised edition has been updated to reflect the latest research in the field. Most chapters have been extensively rewritten, with many new authors involved in the preparation of this edition.
From the Publisher

*Pharmacotherapy: A Pathophysiologic Approach* uses evidence-based approaches to the drug treatment of diseases. It is the most widely used and comprehensive pharmacotherapy textbook/reference available for pharmacists and prescribers.

From the Publisher

Pharmacotherapy Casebook provides the case studies you need to learn how to identify and resolve drug therapy problems you’re most likely to encounter in real-world practice.

This new edition is packed with 157 patient cases and makes the ideal study companion to the ninth edition of DiPiro’s *Pharmacotherapy: A Pathophysiologic Approach*. The case chapters in this book are organized into organ system sections that correspond to those of the DiPiro textbook. By reading the relevant chapters in *Pharmacotherapy: A Pathophysiologic Approach*, you will be able to familiarize yourself with the pathophysiology and pharmacology of each disease state included in this casebook.

From the Publisher

This convenient handbook is alphabetically organized by organ system and disease state. An ideal companion to the best-selling DiPiro's et al.'s
Pharmacotherapy: A Pathophysiologic Approach, or an excellent stand-alone item, this handbook combines an outline format with tables, charts, and algorithms. Each disease is presented in a consistent style, including definition, pathophysiology, clinical presentation, diagnosis, desired outcome, treatment, and evaluation of therapeutic outcomes.

Rx Files – Drug Comparison Charts Book
http://www.rxfiles.ca/rxfiles/modules/druginfoindex/druginfo.aspx

10th Edition
Published: October 2014

The book provides physicians, pharmacists and allied health professionals with a practical tool for evidence based, clinically relevant and comparative drug use information.

The rxfiles.ca website provides newsletter reviews, Q&As, Trial Summaries, and up-to-date drug comparison charts.