

2010 Annual Conference Learning Objectives

ACPE #0129-0000-10-023-L01-P

Antidepressants: A New Decade

Randy A. Sansone, M.D., Professor, Psychiatry & Internal Medicine, Wright State University School of Medicine

At the completion of this activity, the participant will be able to:

1. Identify the latest monoamine oxidase inhibitor (MAOI) technology;
2. Identify the two tricyclic antidepressants with the most anticholinergic effects;
3. Describe the neurotransmitter actions of bupropion and how these relate to its clinical indications; and
4. Compare and contrast the selective serotonin reuptake inhibitors (SSRIs) in terms of psychomotor effects, half-life, risk for discontinuation syndrome, P-450 effects, and weight-gain risks.

ACPE #0129-0000-10-024-L01-P

Chemical Dependency: Recognition, Drug Therapy and Recovery Assistance

Nick Kallis, R.Ph. and Michael Quigley, R.Ph.

Pharmacists Rehabilitation Organization

At the completion of this activity, the participant will be able to:

1. List risk factors for chemical dependency;
2. Recognize the signs and symptoms of an individual experiencing chemical dependency, and warning signs of impairment in a pharmacist or pharmacy intern;
3. Identify prescription, OTC, and herbal medications that may be safely used, and those to avoid, in recovering addicts;
4. Describe the consequences of addiction for pharmacy professionals; and
5. Recommend referral resources for pharmacists or pharmacy interns experiencing chemical dependency.

ACPE #0129-0000-10-025-L04-P

International Medical Mission Trips

Jeffery C. Allison, R.Ph., BSPH, PharmD, BCPS and Kristen N. Finley, R.Ph., PharmD, BCPS; Raabe College of Pharmacy, Ohio Northern University

At the completion of this activity, the participant will be able to:

1. Discuss the potential barriers to international travel and how to overcome or manage those potential barriers;
2. Compare and contrast Ohio Northern University's history and involvement with international medical mission trips with their own experiences;
3. Explain how to research and find opportunities for international mission trips;
4. Discuss preparation guidelines to insure participant health and safety;
5. Describe the experiences of physicians, pharmacists, and students who have made medical mission trips in the past;
6. Recognize these health professional speakers as resources for future mission trips.

ACPE #0129-0000-10-026-L01-P

Clinical Use of Antiarrhythmic Medications

Vincent F. Mauro, R.Ph., PharmD, FCCP, Professor of Clinical Pharmacy, University of Toledo College of Pharmacy

At the completion of this activity, the participant will be able to:

1. Describe the electrophysiological properties of antiarrhythmic medications according to their Vaughan-Williams classification;
2. Categorize antiarrhythmic medications using the Vaughan-Williams classification system;
3. Summarize important pharmacotherapeutic issues related to using each of the antiarrhythmic medications with emphasis on important dosing concerns, unique pharmacokinetic properties, common and/or significant adverse effects, clinically relevant drug interactions, and other practical issues;
4. Outline the pharmacotherapy of commonly occurring dysrhythmias; and
5. Identify causes of and describe the treatment of torsades de pointes.

ACPE #0129-0000-10-027-L01-P

2010 OTC and Self-Care Challenge

Andrea Wall, R.Ph., Assistant Dean for Student Affairs, University of Cincinnati College of Pharmacy and Kristin Casper, R.Ph., PharmD, Associate Professor of Clinical Pharmacy, The Ohio State University

At the completion of this activity, the participant will be able to:

1. Discuss current topics related to nonprescription medications;
2. Describe appropriate nonprescription treatment options for common self-care conditions; and
3. Identify the rationale for the selection of a particular product for a described self-care condition.

ACPE #0129-0000-10-028-L01-P

Wound Care Basics

Denice R. Taylor, APRN, BC, CWOCN, Assistant Professor, Mount Carmel College of Nursing, Columbus, OH

At the completion of this activity, the participant will be able to:

1. Describe the normal pathophysiology of the skin and supportive structures as a basis for understanding tissue trauma and the healing process;
2. Identify the different wound classification systems according to the type of injury;
3. Explain the treatment of skin/wounds in relationship to the phases of healing, principles of healing, and wound characteristics; and
4. Describe the different types of wound care products and provide examples of how the products are used.

ACPE #0129-0000-10-029-L04-P

Pharmacists as Integral Partners in Health Care

Thomas E. Menighan, Pharmacist, MBA, FAPhA

Executive Vice President & CEO, American Pharmacists Association; and

Curtis Black, R.Ph., Ph.D., Professor of Clinical Pharmacy, University of Toledo College of Pharmacy

At the completion of this activity, the participant will be able to:

1. Describe the challenges and opportunities within the current economic and political environment for the profession of pharmacy to implement a new model of care and assume an expanded patient care role;
2. Identify the necessary steps by each stakeholder group to obtain recognition for pharmacists' expanded patient care roles on the health care team;
3. Describe initiatives undertaken by APhA and the profession to advance the pharmacist's patient care role within a reformed health care system;
4. Discuss the latest activities related to health care reform and the role of the pharmacist;
5. Explain the results of the recent survey profiling the “who, what and where” of MTM practices in the State of Ohio
6. Identify the components of OPA’s Strategic Plan to Advance Pharmacist-led MTM services throughout Ohio; and
7. Describe the initiatives emanating from OPA’s Task Force on DSM/MTM and Wellness pursuant to the strategic plan to advance MTM services throughout Ohio.

ACPE #0129-0000-10-030-L04-P

Three Pillars of Preventative Health & Wellness: Food, Fitness, and Fun Management

Christine Bilheimer, M.S.

Regional Health Management Director, Health Fitness Corporation

At the completion of this activity, the participant will be able to:

1. Explain the three pillars of preventative health & wellness: healthy eating, exercise, and stress management, and identify the foundation of good health;
2. Identify strategies to improve health behaviors including medication compliance by applying the Stages of Change; and
3. Demonstrate both short term and long term stress management techniques that can be used by pharmacists, as well as patients, to manage stress and improve overall well-being.

ACPE #0129-0000-10-031-L01-P

Easier to Breathe: Managing Pediatric Asthma

Cheryl A. Laubacher, PharmD,

Ambulatory Clinical Pharmacist, Nationwide Children’s Hospital

At the completion of this activity, the participant will be able to:

1. Discuss the economic burden of asthma and the role medications play in this;
2. Use and interpret the Medicaid formulary website for asthma patients that were on a managed care plan prior to February 1, 2010;
3. List common barriers to proper and timely asthma management;
4. Advise patients on using Patient Assistance Programs (PAPs) to obtain asthma medications; and
5. Determine a patient’s asthma severity and the proper medication management.

ACPE #0129-0000-10-032-L04-P

Ohio Research Forum

Moderator: Curtis Black, R.Ph., Ph.D.

Professor of Clinical Pharmacy, University of Toledo College of Pharmacy

At the completion of this program, the participant will be able to:

1. Identify research projects being conducted by pharmacists, pharmacy students and faculty at the colleges of pharmacy in Ohio;
2. Explain the results of these research projects in terms of the effects of drugs;
3. Describe the impact these research projects may have on medication therapy management and the contemporary practice of pharmacy; and
4. Explain the pharmacoeconomic issues associated with this research.

ACPE #0129-0000-10-033-L03-P

E-prescribing in Ohio: Then and Now

Joann Predina, R.Ph., MBA

Compliance Specialist, Ohio State Board of Pharmacy

At the completion of this activity, the participant will be able to:

1. Define types of e-prescribing;
2. Compare and contrast e-prescribing methods;
3. Identify potential prescriber driven problems in e-prescriptions;
4. Solve e-prescribing problems found in the dispensing process; and
5. Explain Ohio regulations regarding the transmission and receipt of e-prescriptions.

ACPE #0129-0000-10-034-L01-P

Taking the Bite Out of Rabies

Mary Beth Shirk, R.Ph., PharmD, Specialty Practice Pharmacist, Emergency Medicine and Clinical Associate Professor, Ohio State University Medical Center and Kay Gupte, BS

At the completion of this activity, the participant will be able to:

1. Describe the transmission, diagnosis, and progression of rabies;
2. Summarize local, national, and international statistics regarding rabies;
3. Explain current strategies for treatment and prevention of rabies, including the use of immune globulin and vaccines; and
4. Identify future treatment alternatives that are in development for rabies prophylaxis.

ACPE #0129-0000-10-035-L01-P

Medication Use in Pregnant and Breastfeeding Patients

Patricia R. Wigle, PharmD, BCPS

Associate Professor of Pharmacy Practice & Administrative Sciences

University of Cincinnati College of Pharmacy

At the completion of this activity, the participant will be able to:

1. Provide general considerations for the management of pregnant and breastfeeding patients;
2. Discuss nonpharmacologic recommendations for analgesia, common cold, constipation, heartburn, nausea, smoking cessation and vaginal candidiasis; and

3. Discuss nonprescription medication recommendations for analgesia, common cold, constipation, heartburn, nausea, and vaginal candidiasis.

ACPE #0129-0000-10-036-L03-P

Ohio Law Update 2010

William T. Winsley, R.Ph.

Executive Director, Ohio State Board of Pharmacy

At the completion of this activity, the participant will be able to:

1. Identify recent changes in state and federal laws and regulations which impact the practice of pharmacy;
2. Explain the recent changes in Ohio law and rules that define qualified pharmacy technicians, as well as the board-approved examinations and criminal records checks required to become qualified;
3. Apply these recent changes in state and federal laws and regulations to a particular practice of pharmacy.

ACPE #0129-0000-10-037-L04-P

How to Open a Pharmacy

Bob Gaul, R.Ph., MBA

Ownership Consultant, McKesson Corp.

At the completion of this activity, the participant will be able to:

1. Recognize key factors in opening a pharmacy including business relationships, how much money is required and ways to secure financing;
2. Explain how to design a footprint for the pharmacy and the importance of location selection; and
3. Discuss licensing requirements for a new pharmacy and whether or not a corporation is needed.

ACPE #0129-0000-10-038-L04-P

Prescription Drug Abuse Prevention: How the Pharmacy Community is Making a Difference in Ohio

Generation Rx Initiative Faculty

OSU College of Pharmacy

At the completion of this activity, the participant will be able to:

1. Articulate key data relating to the urgency to deliver educational prevention efforts relating to prescription drug abuse;
2. Describe successful pilot programs utilizing pharmacists, pharmacy students and others to raise awareness of this important public health issue; and
3. Utilize a toolkit to be provided for the pharmacy community to provide outreach efforts in their community.

ACPE #0129-0000-10-039-L02-P

HIV/AIDS: How Are We Doing in 2010?

Bradley W. Shinn, PharmD

Associate Professor of Pharmacy Practice

University of Findlay College of Pharmacy

At the completion of this activity, the participant will be able to:

1. Summarize current epidemiologic data associated with HIV infection and compare/contrast risk factors for infection from both a U.S. and worldwide perspective;
2. Outline the pathophysiology of HIV infection with special attention to where each class of drug acts to disrupt the normal virus life cycle;
3. Define ten general principles associated with the treatment of HIV infection;
4. Given a specific clinical case: a) State whether treatment with antiretroviral therapy (ART) is indicated; b) Design a rational, initial, patient-specific ART regimen using current evidence-based guidelines; c) Evaluate the patient's response to therapy; and d) Devise an alternative ART regimen;
5. Describe clinically important adverse drug effects and potential drug interactions associated with each class of anti-HIV agents; and
6. Given a specific clinical case: a) Evaluate anti-HIV drug regimens for potential serious adverse drug events and/or significant drug interactions; b) Develop a rational alternative therapeutic plan to avoid or resolve clinical problems secondary to adverse drug events or significant drug interactions.

ACPE #0129-0000-10-040-L04-P

Diabetes Education: Accreditation for the Community Pharmacy

*Leslie E. Kolb RN, BSN, MBA, Director, Diabetes Education Accreditation Program
American Association of Diabetes Educators*

At the completion of this activity, the participant will be able to:

1. List the benefits of having an accredited program;
2. Identify the CMS-approved national accredited Outpatient Diabetes Self-Management Training organizations;
3. Explain the requirements and process for applying to the AADE's Diabetes Education Accreditation Program (DEAP);
4. Recognize whether AADE's Diabetes Education Accreditation Program (DEAP) is the right fit for your program;
5. Identify what is needed to apply for accreditation; and
6. List resources and locate contact information for AADE DEAP program requirements and staff.

ACPE #0129-0000-10-041-L01-P

MDMA and Methamphetamine Mediated Hyperthermia:

Anecdote to Antidote

Jon E. Sprague, RPh, PhD

Professor of Pharmacology & Dean

Raabe College of Pharmacy, Ohio Northern University

At the completion of this activity, the participant will be able to:

1. Apply the pharmacology of MDMA and Methamphetamine to the neurobiology of addiction;
2. Compare the pharmacological similarities and differences between MDMA and Methamphetamine;
3. Compare the chemical similarities and differences between MDMA and

- Methamphetamine;
4. Apply the pharmacological and toxicological concepts discussed to developing treatment strategies for MDMA- and Meth-induced hyperthermia;
 5. Identify drug screening methods for MDMA and Methamphetamine; and
 6. Identify some of the street terminology associated with these agents.

ACPE #0129-0000-10-042-L04-P

Improving Health Communication through Health Literacy Interventions

Marty Giannamore, PharmD, BCPS

Medical Outcomes Specialist, Pfizer, Inc.

At the completion of this activity, the participant will be able to:

1. Define health literacy;
2. Demonstrate how improved literacy and understanding, and clear health communication, enhances health care delivery and improves patient outcomes;
3. Discuss strategies for more effective health communication; and
4. Discuss available resources to improve health communication.

ACPE #0129-0000-10-043-L04-P

Conversations with the Experts: MTM Roundtable Discussions with Community Practitioners

Moderator: Jennifer L. Rodis, PharmD, BCPS, Director, Partner for Promotion Program

The Ohio State University College of Pharmacy

At the completion of this activity, the participant will be able to:

1. Describe the business aspects of patient-centered pharmacy services such as billing and marketing Medication Therapy Management Services;
2. Discuss strategies for enhancing the provision of patient care for special populations, including pediatrics and those with limited financial resources; and
3. Identify methods for utilizing pharmacy students and residents to enhance community pharmacy practice.

ACPE #0129-0000-10-044-L04-P

Unintentional Drug Poisonings in Ohio: A Call to Action for Pharmacists!

Generations Rx Initiative Faculty, OSU College of Pharmacy and

Alvin D. Jackson, M.D., Director of the Ohio Department of Health

At the completion of this activity, the participant will be able to:

1. Articulate the staggering state and national data relating to unintentional drug poisonings;
2. Outline the Ohio Department of Health's plan for addressing this problem;
3. Describe a community-based model in Ohio for reducing opiate addictions and deaths; and
4. Discuss legal, medical and pharmacy perspectives on factors contributing to unintentional drug poisonings.

ACPE #0129-0000-10-045-L04-P

Medicare 2010: Impact on Pharmacy Practice

Todd Stankewicz, R.Ph., MPH, MBA

Pharmacy Officer, CMS Region V, Chicago

At the completion of this activity, the participant will be able to:

1. Define the enhancements occurring in 2010 with the Medicare Prescription Drug Benefit;
2. Perform the proper submission of Limited Income NET claims;
3. Use the information from the presentation to assist beneficiaries with working through the Part D appeals and grievance process;
4. Identify the requirements needed for a pharmacy to become a DMEPOS supplier; and
5. Recognize the resources available to pharmacists to facilitate understanding of the Medicare Part D drug benefit.

ACPE #0129-0000-10-046-L01-P

To Screen or Not to Screen: The Current Controversy over Routine Cancer Screening

Jessica Shimman, PharmD, BCPS

Clinical Assistant Professor, The University of Toledo College of Pharmacy

At the completion of this activity, the participant will be able to:

1. Describe the principles of effective cancer screening tests;
2. Discuss the potential risks and benefits of cancer screening;
3. Identify currently available cancer screening methods; and
4. Explain the role of currently available cancer screening methods in practice.

ACPE #0129-0000-10-047-L04-P

Pharmacy Compounding: Emerging Legislative, Regulatory and Practice Trends

Rod Shafer, R.Ph., CEO

International Academy of Compounding Pharmacists

At the completion of this activity, the participant will be able to:

1. Discuss how health care reform impacts pharmacy compounding;
2. Identify state versus federal regulations for pharmacy compounding;
3. Distinguish continuous quality improvement versus error reporting and batch testing versus process verification;
4. List resources that can provide standards for compounding practice; and
5. Explain *Dos* and *Don'ts* for marketing a compounding practice.

ACPE #0129-0000-10-048-L01-P

Pain Management in the Addict

Phyllis Grauer, PharmD, CGP, Palliative Care Specialty Practice Pharmacist,

Ohio State University Medical Center

At the completion of this activity, the participant will be able to:

1. List characteristics of addiction/chemical dependency;
2. Describe essential components of a pain management agreement; and
3. Discuss factors that affect drug therapy decisions when managing pain in a patient who is chemically dependent.

ACPE #0129-0000-10-049-L04-P

Medication Use in Older Adults: Identifying and Preventing Medication-Related Problems

Albert Barber PharmD, CGP, FASCP, Director of Pharmacy

Golden Living Nursing Centers and Consulting Pharmacist, Clinical Rx Consulting

At the completion of this activity, the participant will be able to:

1. Explain why aging increases the risk for medication-related problems (MRPs);
2. Describe the extent and cost of MRPs;
3. List the risk factors for MRPs in the elderly; and
4. Describe at least two strategies the pharmacist can use to identify and reduce MRPs in their patients.

ACPE #0129-0000-10-050-L01-P

Update on New Drugs 2010

Karen L. Kier, Ph.D., M.Sc., R.Ph., Professor of Clinical Pharmacy, Director of

Nontraditional PharmD Activity, Ohio Northern University College of Pharmacy

At the completion of this activity, the participant will be able to:

1. Describe the pharmacology and therapeutics of the drugs presented that were released to market in the past year;
2. Explain the indications, mechanisms of action, benefits and limitations of the drugs presented;
3. Recognize the most common adverse effects, toxicities, and drug interactions reported with these medications; and
4. Identify key points that should be discussed as part of patient counseling on these medications.

ACPE #0129-0000-10-051-L01-P

Emergency Contraceptives and Pharmacy Practice: Responding to the Challenges

Jeffrey D Lewis, R.Ph., MACM, PharmD

Assistant Dean and Associate Professor of Pharmacy Practice

Cedarville University School of Pharmacy

At the completion of this activity, the participant will be able to:

1. Describe the validated and purported mechanisms of action of emergency contraceptives;
2. Describe the challenges related to identifying an abortifacient effect of emergency contraceptives;
3. Identify the ethical and legal challenges related to the dispensing of emergency contraceptives;
4. Define “conscience clause” as it pertains to pharmacy practice; and
5. Create a personal response to the ethical and legal challenges posed by emergency contraceptives.

ACPE #0129-0000-10-052-L04-P

The Store Report Card: Bringing Profit Back to the Front End!

Gabe Trahan, Independent Consultant & Director of Retail Services

Burlington Drug Co.

At the completion of this activity, the participant will be able to:

1. Describe how to take a detailed and objective look at your pharmacy front retail services;
2. Create a marketing advantage by utilizing OTC pricing strategies;
3. Identify merchandising opportunities that will fill customer needs and encourage impulse, companion and planned sales;
4. Arrange OTC categories in a manner that will increase turns and profit; and
5. Recognize possible out-front layout flaws that may be causing poor customer traffic flow.

ACPE #0129-0000-10-053-L01-P

Diabetes Self-Care

*Timothy Ulbrich, R.Ph., PharmD, Assistant Professor of Pharmacy Practice
Northeastern Ohio Universities College of Pharmacy*

At the completion of this activity, the participant will be able to:

1. List the ADA treatment goals for non-pregnant adults with diabetes;
2. Define the symptoms of hypo- and hyperglycemia and appropriate treatment options for hypoglycemia;
3. List the time frames for routine care (e.g. eye care);
4. Explain factors that can influence blood glucose levels;
5. Identify the basic components of Medical Nutrition Therapy (MNT);
6. Counsel a patient on proper sick day management of diabetes; and
7. Analyze the literature to support or refute recommending an herbal supplement for a diabetic patient.

ACPE #0129-0000-10-054-L04-P

Federal and State Legislative Update

Ernest E. Boyd and Kelly Vyzral, Lobbyists, Ohio Pharmacists Association

At the completion of this activity, the participant will be able to:

1. Identify key elements of federal and state health care reform legislation and DEA regulations that impact the practice of pharmacy;
2. Explain the status of proposed legislation for mandatory reporting of errors, and the potential impact on pharmacy practice; and
3. Describe proposed legislation to require the use of tamper-resistant paper for all Ohio prescriptions.