



Continuing Education, Inc
UNIVERSITY AT SEA™

Presents

**Updates in Clinical Care:
Family Medicine and Pharmacogenomics,
Medication Optimization, and Collaborative Care**

16 AMA PRA Category 1 Credits™

16 ACPE Credits

Up to 16 (part II) MOC points in medical knowledge in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program

6 Hours of Pharmacology for Nurse Practitioners

16.0 Contact Hours

Vancouver, British Columbia. Canada

June 18 - 25, 2023

With

Paul Lewis, MD, FAAFP, CPE, CPHIMSS, ABPM- CI,

George E. MacKinnon III, PhD, MS, RPh, FASHP

And

Karen J. MacKinnon, BS, RPh

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Agenda

June 18, 2023	6:30pm – 7:30pm	Informal Meet and Greet – Cellar Masters, 4 th Floor Family and Friends Invited
June 19, 2023 Educational Sessions Conference Center 14 th Floor	Time	Topic
	8:30am – 9:30am	COPD Update - Dr. Lewis
	9:30am – 10:30am	Update in Preventive Cardiology - Dr. Lewis
	10:30am – 12:30pm	Optimizing Immunization Delivery
June 20, 2023 Educational Sessions Conference Center 14 th Floor	Time	Topic
	8:30am – 10:30am	Optimizing Medication Adherence and Outcomes
	10:30am – 11:30am	Current Evidence in Obesity Management - Dr. Lewis
	11:30am – 12:30pm	Don't Break a Leg – Bone Health and Osteoporosis - Dr. Lewis
June 21, 2023	5:30pm – 6:30pm	Networking and Case Discussions – Cellar Masters, 4 th Floor
June 22, 2023	No Events Today	
June 23, 2023 Educational Sessions Conference Center 14 th Floor	Time	Topic
	8:30am – 9:30am	Optimizing our Standards of Care in Heart Failure - Dr. Lewis
	9:30am – 10:30am	Hypertension Guidelines and Controversies - Dr. Lewis
	10:30am – 12:30pm	Comprehensive Medication Management Services
June 24, 2023 Educational Sessions Conference Center 14 th Floor	Time	Topic
	8:30am – 10:30am	From Pharmacogenomics to Personalized Medicine/Care
	10:30am – 11:30am	Atrial Fibrillation Management: Impacting Quality of Life and Stroke Risk - Dr. Lewis
	11:30am – 12:30pm	Dermatologic Diseases of Aging Skin for Non-dermatologic Practitioners- Dr. Lewis
June 25, 2023	Have a Safe Trip Home	

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Faculty

Paul Lewis, MD, FAAFP, CPE, CPHIMSS, ABPM- CI

Director of Evidenced Based Medicine

BayCare Health System, Clearwater, Florida;

Chairperson, BayCare Health System Continuing Medical Education Clearwater, Florida;

Past Program Director USF Family Medicine Residency; Assistant Professor

Department of Family Medicine, University of South Florida College of Medicine

Tampa, Florida

After medical school Dr. Lewis joined the U.S. Air Force, completed a transitional internship and spent the next four years at Offutt Air Force Base in Omaha, Nebraska, where he worked in Aviation Medicine as a Flight Surgeon. He had many positive experiences, ranging from medical care of the pilots and their families to traveling the globe in support of military operations to flying in F-16 fighters.

He then returned to his native Florida as one of six members of the inaugural class of the USF-MPM Family Medicine Residency program in 1998, serving as Chief Resident from 2000-2001. Dr. Lewis joined the faculty after graduation and held the position of Medical Director from 2007 until 2012. During his tenure as Medical Director he led the Turley Family Health Center team in achieving NCQA certification as a Level 3 Patient Centered Medical Home. This recognition in 2011 was the 1st Residency Practice Site in the State of Florida to achieve certification. He was also one of the lead Physician Informaticists in the Baycare Health System during the implementation of its inpatient electronic medical record and chaired the Internal Medicine and Critical Care Committees. Additionally, he received the Certified Physician Executive designation in 2013 from the American College of Physician Executives

He has a passion for clinical medicine and has for several years in a row been listed in the Best Doctors in America database as elected by his peers. His clinical interests include informatics, inpatient medicine, geriatrics and dermatology.

In his spare time, he enjoys camping and spending time with his wife and two young daughters. He loves water sports, scuba diving and the local beaches.

George E. MacKinnon III, PhD, MS, RPh, FASHP

Founding Dean and Professor of Pharmacy

School of Pharmacy

Medical College of Wisconsin

Dr. George E. MacKinnon III began responsibilities as Founding Dean of the School of Pharmacy at the Medical College of Wisconsin October 1, 2015. His primary academic appointment is as Professor of Pharmacy Administration with secondary appointments within the School of Medicine in the Institute for Health and Equity (Division of Population Health Improvement), Department of Family and Community Medicine and the Genomic Sciences and Precision Medicine Center.

Dr. MacKinnon received both his BS (Pharmacy) and MS (Hospital Pharmacy) from University of Wisconsin-Madison School of Pharmacy. He completed two-years of post-graduate clinical pharmacy residency training at the University of Wisconsin Hospital and Clinics, earning his PhD in Educational Leadership and Policy Studies from Loyola University Chicago.

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Over the past 30 years he has held academic appointments in medicine and pharmacy engaging in clinical practice, research, teaching, and academic administration. His previous appointments include Founding Dean of Pharmacy & Vice Provost for Health Sciences at Roosevelt University Chicago, Vice President of Academic Affairs with the American Association of Colleges of Pharmacy, and Director of Global Health Economics & Outcomes Research of Abbott Laboratories, in Chicago.

Dr. MacKinnon has engaged in significant curricular pharmacy innovation (e.g., accelerated graduation and non-traditional pathways, integrated curricula, and interprofessional education) and post-graduate training development. He taught one of the first required courses in health economics and outcomes assessment and is Editor of the textbook, *Understanding Health Outcomes and Pharmacoeconomic*. His research interests align in expanding pharmacist care models (e.g., primary care, pharmacogenomics, immunizations).

Karen J. MacKinnon, BS, RPh
Assistant Professor and Director of Outreach
Department of Clinical Sciences
Medical College of Wisconsin

In her role at MCW, Professor MacKinnon is responsible for developing corporate partnerships, activities and services that support the creation of new pharmacy practice models. Professor MacKinnon has over 25 years of experience in teaching and has assisted in the establishment of three previous academic pharmacy programs, having served in the roles of Director of Experiential Education and Director of Professional Laboratories.

Professor MacKinnon has practiced in institutional and community pharmacy practice settings throughout her career. Professor MacKinnon is currently engaged with local and state immunization grants to support pharmacists' role in optimizing and expanding immunization access in Wisconsin.

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Faculty members further affirm (1) that all recommendations involving clinical medicine given during presentations are based upon evidence that is accepted within the profession of medicine for the care of patients, (2) that any scientific research referred to in support or justification for a patient care recommendation conforms to the generally accepted standards of experimental design, data collection and analysis, and (3) that they will not present recommendations, treatments or manners of practicing medicine that are not within the definition of CME, or are known to have risks or dangers that outweigh the benefits, or are known to be ineffective in the treatment of patients.

Paul Lewis, MD, FAAFP, CPE, CPHIMSS, ABPM- CI

Dr. Lewis has reported no relationships with ineligible companies and has agreed to identify any off-label or investigational uses of pharmaceuticals or equipment referenced during all presentations.

George E. MacKinnon III, PhD, MS, RPh, FASHP

Dr. George MacKinnon has reported no relationships with ineligible companies and has agreed to identify any off-label or investigational uses of pharmaceuticals or equipment referenced during all presentations.

Karen J. MacKinnon, BS, RPh

Ms.. Karen MacKinnon has reported no relationships with ineligible companies and has agreed to identify any off-label or investigational uses of pharmaceuticals or equipment referenced during all presentations.

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Accreditation Statements

Joint Accreditation

In support of improving patient care, Continuing Education, Inc./University at Sea™ is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physicians

Designation: Continuing Education, Inc. designates this live activity for a maximum of 16 *AMA PRA Category 1 Credit(s)*™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Pharmacists

Designation: Continuing Education, Inc. designates this live activity for a maximum of 16 ACPE Credits.

Nurses

Designation: Nurses completing this educational activity will receive a maximum of 16 contact hours.

ABIM MOC

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 16 (part II) MOC points in medical knowledge in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

DISABILITIES AMONG PARTICIPANTS

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Topics and Objectives

- **Current Management of Type 2 Diabetes**
 - Identify patients at risk of developing Type 2 Diabetes and strategies for delaying the progression of disease
 - Describe the latest pharmacologic management options & their indications
 - Define several of the common quality indicators for Diabetes and strategies for improvement
- **Neurocognitive Disorders of the older adult**
 - Identify risk factors for & potential ways to slow cognitive decline
 - Describe methods to assess cognitive performance
 - Identify currently available treatment options for patients with MCI and Dementia
- **Updates in Hyperlipidemia Management**
 - Apply the most recent management guidelines for primary and secondary ASCVD Prevention
- **Prevention and Management of Osteoporosis: The Impact on the Individual**
 - Recognize risk factors for osteoporosis and apply evidence-based screening.
 - Describe the importance of aggressive treatment of Osteoporosis.
- **Current Evidence in Obesity Management**
 - Define how the latest guidelines apply to the practical evaluation and treatment of patients who are obese; including weight management pharmacotherapy
- **Atrial Fibrillation Management: Impacting Quality of Life and Stroke Risk**
 - Interpret practice guidelines for atrial fibrillation and identify appropriate anticoagulation strategies for atrial fibrillation
- **Dermatologic diseases of aging skin for nondermatologic practitioners**
 - Identify and apply treatment principles for common non-cancerous skin and nail disorders in the older patient
- **Hypertension Guidelines and Controversies**
 - Recognize the principles of and the evidence for pharmacologic and non-pharmacologic management of the hypertensive patient
- **From Pharmacogenomics to Personalized Medicine**
 - Identify new personal health care technologies and the impact they may have on patient outcomes.
 - Distinguish benefits and limitations of genetic testing and use in managing medications in specific patients.
 - Evaluate various gene-drug (biomarker-drug) pairs with pharmacogenomic applications.
 - Critique the various resources (e.g., CPIC, PharmGKB, FDA) for pharmacogenomics drug-gene pairs.
 - Understand the difference between preemptive and reactive testing of drug-gene pairs.
 - Discuss the economic cost or impact considerations related to pharmacogenomic testing.
 - Understand practical approaches to counseling/patient education related to pharmacogenomics.

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Topics and Objectives continued

- **Optimizing Medication Adherence and Outcomes**
 - Create strategies to promote medications adherence among all healthcare providers
 - Describe the impact of poor adherence on clinical and economic outcomes for patient and stakeholders
 - Associate the necessary points within the medication use system in which technologies can be employed to reduce medical errors and enhance patient outcomes
- **Comprehensive Medication Management Services**
 - Outline the value of leveraging the prescription benefit to reduce downstream healthcare costs and outcomes
 - Critique the rationale for collaborative models of care that deliver enhanced clinical, patient and economic outcomes that involves pharmaceutical benefits
 - Recognize the importance of aligning incentives in a “ pay for performance” model that includes all providers