Thursday, February 28, 2013

7:30 am – 7:35 am  Welcome and Introductions
Stuart Haines, PharmD, BCPS, BCACP, BC-ADM

7:35 am – 8:05 am  Tips on Studying for the Exam
Stuart Haines, PharmD, BCPS, BCACP, BC-ADM

8:05 am – 9:05 am  Research Design, Evidence-Based Medicine and Statistical Analysis
Part 1
Linda Tyler, PharmD

At the conclusion of this session, the participant should be able to:
• Compare and contrast the following study designs: Descriptive; Case-control; Cross-sectional; Follow-up; Experimental—parallel and cross-over
• Identify common sources of bias in a study and assess how the bias could influence the study results.
• Determine the appropriate statistical tests given the type of data and study design.
• Interpret common statistical information presented in a study including: p values; confidence intervals; relative risk, odds ratio, and hazard ratio; standard deviation; sample size and power calculations; absolute risk reduction, number needed to treat and number needed to harm
• Given a meta-analysis, interpret the statistical data including: Test of heterogeneity; Funnel plots
• Compare and contrast non-inferiority and superiority trials.

9:05 am – 9:15 am  BREAK

9:15 am - 10:15 am  Research Design, Evidence-Based Medicine and Statistical Analysis
Part 2
Linda Tyler, PharmD

10:15 am - 10:25 am  BREAK

10:25 am - 12:25 pm  Complex Case: "I can't walk to the mailbox."
Art Schuna, MS, BS Pharm, BCACP

At the conclusion of this session, given a patient case, the participant should be able to:
• Correctly answer case-based questions about appropriate ambulatory treatment, including follow-up assessment and treatment, of a complex patient with multiple conditions and needs, including heart failure, electrolyte abnormalities, peripheral arterial disease, coronary artery disease, and gout.

APhA/ASHP Ambulatory Review and Recertification Course, February 28 - March 1, 2013

Los Angeles, California
Identify and explain how to interpret pertinent physical and diagnostic assessments of a given patient’s current condition and/or therapies.

Assess a patient’s self-management knowledge, understanding, skills and willingness and ability to actively participate in his/her own care.

Explain disease-related patient education/counseling needed by a specific patient.

Explain focused and integrated disease-state management for a specific patient.

12:25 pm - 1:45 pm  LUNCH BREAK

1:45 pm - 3:30 pm  Complex Case: "It's time for Plan B!"

At the conclusion of this session, given a patient case, the participant should be able to:

- Correctly answer case-based questions about appropriate ambulatory treatment of a complex patient with multiple conditions and needs, including contraception, emergency contraception, urinary tract infection, vulvovaginitis, sleep disorder, and pregnancy.
- Explain appropriate patient-specific wellness and prevention education and counseling.
- Identify appropriate patient-specific education and counseling about nonprescription (over-the-counter or OTC) products, including herbal supplements.
- Identify appropriate screening tests for a given patient.
- Identify resource groups, organizations, and agencies that may be helpful to a given patient.
- Identify an appropriate response to a drug information request.

3:30 pm - 3:45 pm  BREAK

3:45 pm - 5:45 pm  Complex Case: "There was blood on my pillow."

At the conclusion of this session, given a patient case, the participant should be able to:

- Correctly answer case-based questions about appropriate ambulatory treatment of a complex patient with multiple conditions and needs, including atrial fibrillation, DVT, allergic rhinitis, anticoagulation, stroke prevention, and a history of alcohol dependency.
- Correctly interpret literature on atrial fibrillation related to the specific patient case.
- Describe how to manage point-of-care testing in accordance with regulatory requirements.

Friday, March 1, 2013

7:30 am - 7:35 am  Welcome and Announcements

7:35 am - 8:35 am  Practice Management

At the conclusion of this session, given a patient case, the participant should be able to:

- Explain how to identify the need for, and to establish, ambulatory clinical pharmacy services in response to patient care needs and/or business potential.
- Apply skills needed to perform evaluations of quality, value, and need to justify, modify, disband, or expand ambulatory care pharmacy services.

APhA/ASHP Ambulatory Review and Recertification Course, February 28 - March 1, 2013

Los Angeles, California
• Explain how to organize a practice in a manner that supports efficient work flow, integration of care, and assures timely patient visits and follow-up as well as assuring time, space and resources necessary to provide patient care services.
• Explain how to manage a financially viable practice.
• Explain how to develop systems to obtain reimbursement for ambulatory clinical pharmacy services.
• Summarize key points pertaining to scope of practice and other guidelines.

8:35 am - 8:45 am | BREAK

8:45 am - 9:45 am | Practice Management Part 2
Kelly Epplen, PharmD, BCACP

9:45 am - 11:00 am | Complex case: "The pressure is getting to me."
Michelle Fritsch, PharmD, CGP, BCACP
At the conclusion of this session, given a patient case, the participant should be able to:
• Correctly answer case-based questions about appropriate ambulatory treatment of a complex patient with multiple conditions including chronic pain, constipation, chronic kidney disease, peptic ulcer, and sinusitis.
• Explain how to conduct symptom analysis using effective interviewing techniques.
• Identify and make appropriate referrals when a given patient’s needs are beyond the scope of the ambulatory care pharmacy specialist.
• Explain effective systems for tracking medication errors and determining possible interventions.

11:00 am - 12:00 pm | Complex Case: "Should I be washing the sheets?"
Jenny Van Amburgh, BS Pharm, PharmD, BCACP, CDE
At the conclusion of this session, given a patient case, the participant should be able to:
• Answer correctly case-based questions about appropriate ambulatory treatment of a complex pediatric patient with multiple conditions and needs, including lice, asthma, ADHD, skin infection, and poisoning.
• Recommend appropriate immunizations for a specific patient.
• Identify appropriate drug-related patient education and counseling.
• Identify and explain how to teach a patient to use self-care devices for monitoring chronic diseases.
• Identify appropriate resource groups, organizations, and agencies that would be helpful to a specific patient.
• Identify appropriate care for patients affected by public health threats and disasters.
• Explain effective disaster response preparation and planning.

12:00 pm - 12:15 pm | Examination Overview/Questions
William Ellis, Board of Pharmacy Specialties

12:15 pm - 1:30 pm | LUNCH BREAK
At the conclusion of this session, given a patient case, the participant should be able to:

- Correctly answer case-based questions about appropriate ambulatory treatment of a complex geriatric patient with multiple conditions, including osteoarthritis, osteoporosis, dementia, glaucoma, incontinence, and thyroid disorder.
- Identify patient-specific barriers to successful drug therapy.
- Determine a patient’s ability and willingness to pay for services (e.g., insurance coverage, out of pocket expenses).
- Explain and incorporate information from community screenings into patient assessment and care.
- Resolve formulary issues to ensure access to cost-effective drug therapy.

At the conclusion of this session, given a patient case, the participant should be able to:

- Correctly answer case-based questions about appropriate ambulatory treatment of a complex patient with multiple conditions and needs, including COPD, upper respiratory tract infection, BPH, anemia, and GERD.
- Identify methods for effectively managing transitions-of-care issues.
- Recognize and resolve medication reconciliation issues.
- Determine roles and responsibilities that members of an inter-professional team play in the care of a specific patient.
- Describe systems for ongoing quality improvement.

At the conclusion of this session, given a patient case, the participant should be able to:

- Correctly answer case-based questions about appropriate ambulatory treatment for a complex patient with multiple medical problems, including diabetes, hypertension, dyslipidemia, obesity, sexual dysfunction and who is a smoker.
- Identify effective methods of managing affordability and cost-effectiveness issues for an underserved patient.
- Identify and recommend appropriate resource organizations/groups to assist a specific patient.

APhA/ASHP Ambulatory Review and Recertification Course, February 28 - March 1, 2013

Los Angeles, California
Stuart T. Haines, PharmD., BCPS, BCACP, BC-ADM
Professor and Vice Chair for Clinical Services
Department of Pharmacy Practice and Science
University of Maryland School of Pharmacy
Baltimore, Maryland
Clinical Pharmacy Specialist—Primary Care
West Palm Beach VA Medical Center
West Palm Beach, Florida

Stuart T. Haines, PharmD., BCPS, BC-ADM, BCACP, is Professor and Vice Chair for Clinical Services in the Department of Pharmacy Practice and Science at the University of Maryland School of Pharmacy in Baltimore, Maryland, and Clinical Pharmacy Specialist—Primary Care at the West Palm Beach VA Medical Center in West Palm Beach, Florida. He is a Past-President of the American College of Clinical Pharmacy (ACCP). Haines also is the Editor-in-Chief of iForumRx, an online journal club for ambulatory care pharmacy specialists, and he has served on the editorial board for numerous periodicals, including Pharmacotherapy, Current Medical Research and Opinion, Pharmacist’s Letter, and Prescriber’s Letter.

Dr. Haines earned his Bachelor of Science in Pharmacy degree from the Massachusetts College of Pharmacy and Allied Health Sciences and his Doctor of Pharmacy degree from the University of Texas at Austin. He completed a Pharmacy Practice Residency at the Brigham and Women’s Hospital in Boston as well as an Ambulatory Care Residency at the Audie Murphy VA Medical Center in San Antonio. Dr. Haines is a Board Certified Pharmacotherapy Specialist (BCPS), a Board Certified Ambulatory Care Pharmacist (BCACP), and is Board Certified in Advanced Diabetes Management (BC-ADM). He is a fellow of ACCP, ASHP, and APhA. Dr. Haines was elected a Distinguished Practitioner in the National Academies of Practice (2006), received the Distinguished Achievement Award in Ambulatory and Community Practice from APhA (2010), and was the recipient of the ACCP Educator Award (2010). Dr. Haines’ scholarly interests include medication-use behavior, diabetes management, cardiovascular disease prevention, and the evaluation of instructional methods.

Linda Tyler, PharmD.
Administrative Director of Pharmacy Services
University of Utah Hospitals & Clinics
Associate Dean
University of Utah College of Pharmacy
Salt Lake City, Utah

Linda Tyler, PharmD., is Administrative Director of Pharmacy Services, University of Utah Hospitals & Clinics, and Associate Dean, University of Utah College of Pharmacy, Salt Lake City, Utah. She is responsible for comprehensive pharmacy services at four hospitals, three infusion services, and 14 retail pharmacies; ambulatory clinical services; and the University of Utah Drug Information Service (DIS). Dr. Tyler also serves as residency program director for the 2-year Health System Pharmacy Administration/Master of Science degree program.
Dr. Tyler is a graduate of the University of Utah, where she earned her Bachelor of Science and Doctor of Pharmacy degrees. She completed a pharmacy residency at the University of Nebraska Medical Center.

Dr. Tyler served as Director of the DIS at a time when it achieved national prominence. Her responsibilities included coordinating the services of the DIS and developing drug policy for the organization. The DIS currently provides contract services for many national organizations, including monitoring of drug shortages on a national basis and provision of content for the ASHP Drug Shortages Resource Center.

Dr. Tyler taught the drug information and literature evaluation course at the University of Utah and served as preceptor for pharmacy residents and students on rotation. She also served as program director for the Drug Information Specialty Residency.

Dr. Tyler’s areas of interest include new drugs, literature evaluation, medication safety, drug shortages, evidence-based decision making, and drug policy development. She is co-editor of the Chemotherapy Manual published by Facts and Comparisons. Dr. Tyler is recognized as a Fellow of ASHP.

Arthur Schuna, M.S., B.S. Pharm., RPh, BCACP
Clinical Pharmacy Coordinator and Residency Director
William S. Middleton VA Medical Center
Clinical Professor
University of Wisconsin School of Pharmacy
Madison, Wisconsin

Arthur Schuna, M.S., B.S. Pharm., is an ambulatory pharmacy practitioner currently practicing in hypertension, rheumatology, and diabetes clinics at the William S. Middleton VA Medical Center in Madison, Wisconsin. He also is the residency director for a postgraduate year (PGY) 1 residency with an ambulatory care focus and a PGY2 specialty residency in ambulatory care. The ambulatory care residency was one of the first to be accredited by ASHP in this specialty in 1984. To date, 130 residents have completed the program. Mr. Schuna is also a clinical professor with the University of Wisconsin School of Pharmacy.

Mr. Schuna has published numerous papers and wrote the rheumatoid arthritis chapter for all eight published editions of Pharmacotherapy: A Pathophysiologic Approach. In addition to his professional practice responsibilities, Mr. Schuna is co-host of the WORT-FM radio show, Two For The Blues, which broadcasts on Saturday nights from 8-10 p.m. central time and may be heard at www.wort-fm.org for those outside of the broadcast range.
Dana G. Carroll, PharmD., BCPS, CDE
Clinical Associate Professor
Auburn University Harrison School of Pharmacy
Auburn, Alabama

Dana G. Carroll, PharmD., BCPS, CDE, is a Clinical Associate Professor at Auburn University Harrison School of Pharmacy, Auburn, Alabama. She also holds a visiting scholar appointment with the University of Alabama College of Community Health Sciences and the Department of Family Medicine in the University of Alabama School of Medicine.

Dr. Carroll received both her Bachelor of Science in Pharmacy and Doctor of Pharmacy degrees from the Auburn University Harrison School of Pharmacy. She completed an ASHP-accredited Primary Care Residency at the University of Mississippi and has since become a Board Certified Pharmacotherapy Specialist and a Certified Diabetes Educator. Upon completion of her residency, Dr. Carroll worked as a clinical pharmacist in the Emergency Department at Duke University Medical Center. In 2001, she joined the faculty at the University of Oklahoma Tulsa College of Pharmacy and College of Medicine Family Medicine Department. Dr. Carroll maintained a clinical pharmacy practice with the University of Oklahoma Family Medicine Clinic in Tulsa, providing disease state management and patient education in diabetes, asthma, congestive heart failure, hypertension, and dyslipidemia. She joined the faculty at Auburn University Harrison School of Pharmacy in 2006. Her current clinical practice at University Medical Center focuses on providing patient education and drug therapy consultation in diabetes, women’s health, anticoagulation, asthma, and polypharmacy. Dr. Carroll teaches pharmacy students, pharmacy practice residents, and family medicine residents in her clinical practice in addition to her didactic teaching, service, and scholarship within the School of Pharmacy and Department of Family Medicine. She has a focused scholarly interest in women’s health issues.

Kelly Epplen, PharmD., BCACP
Assistant Professor of Clinical Pharmacy Practice
James L. Winkle College of Pharmacy
University of Cincinnati
Cincinnati, Ohio

Kelly Epplen, PharmD, BCACP is Assistant Professor of Clinical Pharmacy Practice at the University of Cincinnati, James L. Winkle College of Pharmacy. Dr. Epplen received her Doctor of Pharmacy degree from the University of Cincinnati in 1997. She began her career at the Health Alliance of Greater Cincinnati where her primary role was the development and implementation of ambulatory clinical pharmacy services. She has been instrumental in developing pharmacist-managed anticoagulation clinics and pharmacotherapy clinics at University Health, Cincinnati, as well as St. Elizabeth Healthcare of Northern Kentucky. Her responsibilities include teaching and
direct patient care. In addition, she is actively involved in residency training and has served as 
program director for both postgraduate year one and two pharmacy residency programs. She 
joined the University of Cincinnati faculty in 2009 and provides direct patient care at the Family 
Practice Center of St. Elizabeth Healthcare in Northern Kentucky. She is an advisory board 
member for the *ASHP/APhA Ambulatory Care Pharmacy Review Course* and has numerous 
publications in the area of ambulatory clinical pharmacy practice. She has co-authored the 
business plan development chapter in ASHP’s recent publication, *Building a Successful 
Ambulatory Practice*. Dr. Epplen obtained certification as an ambulatory practitioner in October, 
2011, and is a member of the Society for the Teachers of Family Medicine.

Michelle Fritsch, PharmD., CGP, BCACP
Professor and Chair, Department of Clinical and Administrative Sciences 
Notre Dame of Maryland University School of Pharmacy 
Baltimore, Maryland

Michelle Fritsch, PharmD., CGP, is Professor and Chair, Department of Clinical and 
Administrative Sciences at the Notre Dame of Maryland University School of Pharmacy in 
Baltimore, Maryland. Dr. Fritsch received her Bachelor of Science in Pharmacy and Doctor of 
Pharmacy degrees from Purdue University. She then completed a primary care residency at the 
William S. Middleton Veterans Affairs Medical Center in Madison, Wisconsin. Prior to her arrival 
at the Notre Dame of Maryland University, Dr. Fritsch founded and directed the Alamance 
Medication Assistance Program (AlaMAP) of Alamance Regional Medical Center (ARMC) in 
Burlington, North Carolina from 1997 to 2008. The AlaMAP clinic provides medication therapy 
management and medication access to a geriatric population in Alamance County, North 
Carolina.

Dr. Fritsch has held faculty appointments with Campbell University School of Pharmacy, the 
University of Missouri-Kansas City, Elon University Department of Physical Therapy, and Baylor 
University Department of Physical Therapy. Before arriving at ARMC, she practiced with an 
interdisciplinary team at the Dwight D. Eisenhower Veterans Affairs Medical Center in 
Leavenworth, Kansas. Dr. Fritsch worked with a team to develop a tool to document, 
communicate, and quantify pharmacist interventions in the primary care setting.

At Notre Dame of Maryland University, she is a founding partner in the development of the 
Advocaring program for pharmacy students who in small groups partner with local agencies 
serving specific populations (primarily the underserved) in Baltimore. Over a 4-year period 
students provide increasingly complex services to the clients as the students hone their skills. 
Dr. Fritsch has given many presentations, primarily on wellness and geriatric topics, on the local, 
state, regional, national, and international levels. She is published in the areas of collaborative 
practice, medication therapy management, and workplace wellness.
Jenny A. Van Amburgh, PharmD., BCACP, CDE  
Associate Clinical Professor and Assistant Dean for Academic Affairs  
Northeastern University School of Pharmacy  
Director of Clinical Pharmacy Services and Residency Program Director  
Harbor Health Services, Inc.  
Boston, Massachusetts

Jenny A. Van Amburgh, PharmD., BCACP, CDE, is Associate Clinical Professor and Assistant Dean for Academic Affairs at Northeastern University School of Pharmacy, Boston, Massachusetts. She also serves as Director of Clinical Pharmacy Services and Director of the ASHP-accredited postgraduate year 1 residency program at Harbor Health Services, Inc. (HHSI). Her didactic teaching focuses on self-care, medication adherence, medication therapy management (MTM), disease prevention, and health promotion. Dr. Van Amburgh also holds an administrative position at HHSI, a federally-funded, urban, community health center.

Dr. Van Amburgh earned both her Bachelor of Science in Pharmacy and Doctor of Pharmacy degrees at Albany College of Pharmacy in Albany, New York. After completing a dual residency in ambulatory care and adult teaching/learning at Albany College of Pharmacy, she accepted her clinical faculty position at Northeastern University School of Pharmacy.

Dr. Van Amburgh’s research interests include MTM, outcomes of patient-centered care in community health centers, and the scholarship of teaching. She has published articles in various peer-reviewed journals, including the *American Journal of Pharmaceutical Education*, *Journal of American Pharmacists Association*, and *Pharmacotherapy*. Dr. Van Amburgh also has authored chapters in pharmacy textbooks.

Dr. Van Amburgh is actively involved with APhA, ASHP, and the American Association of Colleges of Pharmacy (AACP) through nominated committee work. She has received several awards, including the AACP Crystal Academic-Practice Partnerships for Learning Excellence (APPLE) Award (2007), Massachusetts Pharmacists Association Nathan Goldberg Award (2012) and Distinguished Young Pharmacist Award (2007), AACP Innovation in Teaching Award (2010), and AACP Award for Excellence in Assessment (2011).