Target Audience

Pharmacists, pharmacy technicians and other interested health professionals.

Overall Program Goals

These are knowledge-based CPE activities designed to explore pharmacologic and therapeutic applications in the management of select conditions and to assist pharmacists and technicians in providing safe and effective medications.

Educational Objectives

Upon completion of these activities, the participant should be able to:

Pharmacist Objectives

Recent Pharmacotherapeutic Developments
UAN: 0064-0000-15-070-L01-P (4 contact hours):
- Identify essential information to more effectively counsel patients on changes in the therapeutic application(s) of existing drugs, including the recent diabetes and lipid recommendations.
- Compare and contrast changes in the current therapeutic approach to various disease processes, including recently introduced drugs used in manic-depressive disorders, diabetes, women's health and miscellaneous conditions.
- Evaluate evidence-based studies to appropriately respond to questions and concerns from prescribers and patients on recent reports in the health professions literature.

Cancer Chemotherapy and Pain Management
UAN: 0064-0000-15-071-L01-P (4 contact hours):
- Distinguish among the cancer medication clinical trial outcomes of overall survival, disease free survival, and progression free survival.
- Apply the quality adjusted life year to evaluate the monetary value of new cancer medications.
- List the indication and major toxicities of new cancer medication with patients.
- Counsel patients on the indications and major toxicities of new cancer medications.
- Identify appropriate multimodal pharmacotherapy combinations for pain management.
- Review opioid equianalgesic dose conversions.
- Select an appropriate opioid for use in an elderly patient.
- Apply principles of recent Tennessee Clinical Practice Guidelines for chronic pain management to patient cases.
- Identify true opioid allergy.
- Discuss therapeutic niches for newly approved drugs in pain management.
- Review pharmacist responsibilities for the controlled substance monitoring database and provide CSMD updates.

New Challenges for Pharmacists:
Pharmacogenomics and Dietary Supplements
UAN: 0064-0000-15-072-L01-P (4 contact hours):
- Explain potential reason(s) why an individual may experience variable pharmacodynamic effect from drugs metabolized by polymorphic drug metabolizing enzymes.
- List key drugs whose labeling contains pharmacogenetic information.
- Explain the relationship between genetic variation and abnormal drug response.
- Describe the impact of Myriad v. Association for Molecular Pathology on wide-spread implementation of pharmacogenetic testing.
- Summarize key features of the Dietary Supplement Health and Education Act (DSHEA).
- Distinguish between a structure/function claim and a disease claim.
- Compare adverse event reporting for prescription medications and herbal supplements.
- Extrapolate herb-drug interaction potential from cytochrome P-450 interaction data.
- Discuss the impact of Myriad v. Association for Molecular Pathology on "natural products" as a source of new drugs.

Health Literacy and Adherence Challenges
for Asthma and COPD
UAN: 0064-0000-15-073-L01-P (3 contact hours):
- Define health literacy and adherence.
- Describe the impact of low health literacy and nonadherence in asthma and COPD.
- Compare and contrast available tools to assess patient health literacy and adherence.
- Recognize the role of newly approved therapies for asthma and COPD.
- Demonstrate proper technique for use of newly available inhalation devices.
- Identify key patient counseling points of newly approved therapies for asthma and COPD.
- Discuss interventions to address nonadherence in patients with asthma and COPD.
- Review strategies to better care for patients with asthma or COPD and low health literacy.

Technician Objectives

Recent Pharmacotherapeutic Developments
UAN: 0064-0000-15-070-L01-T (4 contact hours):
- Identify essential information regarding the recent diabetes and lipid recommendations.
- Compare and contrast changes in the current therapeutic approach to various disease processes, including recently introduced drugs used in mental health, infectious diseases, diabetes, women's health and miscellaneous conditions.

Cancer Chemotherapy and Pain Management
UAN: 0064-0000-15-071-L01-T (4 contact hours):
- Distinguish among the cancer medication clinical trial outcomes of overall survival, disease free survival, and progression free survival.
- Apply the quality adjusted life year to evaluate the monetary value of new cancer medications.
- List the indication and major toxicities of new cancer medication.
- Identify appropriate combinations for pain management.
- List opioid equianalgesic dose conversions.
- Assist the pharmacist with the controlled substance monitoring database.

New Challenges for Pharmacists:
Pharmacogenomics and Dietary Supplements
UAN: 0064-0000-15-072-L01-T (4 contact hours):
- List key drugs whose labeling contains pharmacogenetic information.
- Summarize key features of the Dietary Supplement Health and Education Act (DSHEA).
- Distinguish between a structure/function claim and a disease claim.

Health Literacy and Adherence Challenges
for Asthma and COPD
UAN: 0064-0000-15-073-L01-T (3 contact hours):
- Define health literacy and adherence.
- Describe the impact of low health literacy and nonadherence in asthma and COPD.
- Recognize the role of newly approved therapies for asthma and COPD.
- Demonstrate proper technique for use of newly available inhalation devices.
- Review strategies to better care for patients with asthma or COPD and low health literacy.

Questions?

If you have questions regarding this CPE activity, please call the Office of Continuing Education at (865) 974-6605, e-mail: gfarr@utk.edu, or refer to our web site: www.uthealthsc.edu/pharmacy/ce and go to "Upcoming 2015 Continuing Education Activities" to view the 2015 Fall Therapeutics brochure.

How to Register

We encourage all participants to pre-register to ensure space to accommodate your participation. Provide the information requested on the registration form and pre-register in one of the following ways:

Online (with credit card only) to:
www.uthealthsc.edu/pharmacy/ce
click on "Online Seminar Enrollment"

Mail (with check only) to:
UT College of Pharmacy, 600 Henley Street, 213 Conference Center, Knoxville, TN 37996-4128

Special Considerations

Please call the Office of Continuing Education at (865) 974-6605 or e-mail: gfarr@utk.edu if you have questions or need special accommodations such as dietary, sight, hearing or access at this seminar.
The grievance will be reviewed and a response will be returned within 45 days of receiving the written statement. If not satisfied, you may appeal your grievance to the Dean of the College of Pharmacy for a second level of review.

Continuing Education (ACPE) Credit

The University of Tennessee College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education (CPE). These four activities will provide up to fifteen knowledge-based live contact hours for both days, or 8 hours for the Thursday session and 7 hours for the Friday session.

A statement of credit will be available at the conclusion of the seminar to participants who successfully complete each activity. Successful completion includes attending the entire session, signing the attendance sheet for each activity and completing the self-assessment instrument and program evaluation form for each day’s session.

NABP e-PROFILE ID NUMBER: Your CE credits will also be submitted electronically to NABP. Pharmacists or pharmacy technicians with questions regarding their NABP e-Profile or CPE Monitor should refer to the FAQ section on the NABP website: www.nabp.net/programs/cpe-monitor/cpe-monitor-service or telephone 847-391-4406.

To receive credit for your participation in this seminar, all participants must include their NABP e-Profile ID number, along with their month and date of birth. If incorrect information is provided, this will result in "rejected" status from the CPE Monitor. It is the responsibility of the participant to notify the University of Tennessee (within the 60 day submission timeframe) of their corrected information. Otherwise, the completed CE will not be accepted by the CPE Monitor.

Hotel Accommodations

If you need hotel accommodations for Wednesday and/or Thursday evening, please contact the host hotel at least 30 days prior to the program to reserve a room at a group rate.

- **Chattanooga:** ChooChoo, 423-266-5000, $94
- **Nashville:** Marriott Airport, 615-889-9300, $132
- **Memphis:** Doubletree East, 901-767-6666, $119
- **Knoxville:** Hilton Airport, 865-970-4300, $99 double $109 king

In compliance with a new UT policy, the College can no longer accept credit cards via phone, fax, or mail. Credit cards are acceptable for online registration only.

Grievance Policy

A participant, sponsor, faculty member or other individual wanting to file a grievance with respect to any aspect of a program provided or co-sponsored by the UTCP may contact the Associate Dean for Continuing Education in writing, by email gfarr@utk.edu or by phone (865) 974-6605.
The University of Tennessee College of Pharmacy presents the:

2015 Fall Therapeutics Seminar

A knowledge-based 15 live contact hour CE seminar held in the following locations:

**Chattanooga**
Thursday and Friday, September 17 & 18
ChooChoo
1400 Market Street
Chattanooga, TN 37402
(423) 266-5000

**Memphis**
Thursday and Friday, October 2 & 3
Marriott Airport
600 Marriott Drive
Memphis, TN 38114
Exit #7 North Elm Hill Pike, Turn Right
615-889-9300

**Nashville**
Thursday and Friday, October 1 & 2
Marriott Downtown
401 Demonbreun Street
Nashville, TN 37203
(615) 256-2200

**Knoxville**
Thursday and Friday, November 12 & 13
Hilton Airport
2001 Alcoa Highway
Alcoa, TN 37701
Hwy. 129, near McGhee Tyson Airport
(865) 970-4300

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**Faculty**

Glen E. Farr, PharmD
Professor of Clinical Pharmacy, Associate Dean for Continuing Education, University of Tennessee, College of Pharmacy, Knoxville, TN

Shaunta’ Ray, PharmD, BCPS
Associate Professor of Clinical Pharmacy, University of Tennessee, College of Pharmacy, Knoxville, TN

J. Aubrey Waddell, BS, PharmD, MA, FAPhA, BCOP
Professor of Clinical Pharmacy, College of Pharmacy, Knoxville, TN, University of Tennessee, Oncology Pharmacist, Blount Memorial Hospital, Maryville, TN, Lieutenant Colonel, USA Retired

James S. Wheeler, PharmD, BCPS
Assistant Professor of Clinical Pharmacy, University of Tennessee, College of Pharmacy, Knoxville, TN

C. Ryan Yates, PharmD, PhD
Professor of Pharmaceutical Sciences, College of Pharmacy, University of Tennessee, College of Pharmacy, Memphis, TN

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**Thursday, Day 1** (CE Credit Day 1 = 8 hours)
7:15 - 7:55 am
On-site Registration and Check-in

7:55 - 8:00 am
Program Overview - Glen E. Farr, PharmD

**Recent Pharmacotherapeutic Developments**
Glen E. Farr, PharmD
8:00 – 11:50 am (to include two 5 minute breaks)

**Current Challenges for Pharmacists: Pharmacogenomics and Dietary Supplements**
C. Ryan Yates, PharmD, PhD
10:20 – 11:55 am

**Recent Pharmacotherapeutic Developments**
Glen E. Farr, PharmD
11:50 - 12:10 pm
Self-Assessment Quiz for Morning Session

12:10 - 1:00 pm Lunch

**Cancer Chemotherapy and Pain Management**
C. Ryan Yates, PharmD, PhD
1:00 - 2:45 pm

**New Cancer Drugs – Outcomes and Pricing**
J. Aubrey Waddell, PharmD
2:45 - 2:55 pm Break

2:55 - 4:55 pm (to include a 5 minute break)

**Pain Management: A Practical Review for Pharmacists and Clinical Pearls for Everyday Practice**
James S. Wheeler, PharmD, BCPS
4:55 - 5:10 pm
Self-Assessment Quiz for Afternoon Session and Adjournment

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**Friday, Day 2** (CE Credit Day 2 = 7 hours)
7:15 - 7:55 am
On-site Registration and Check-in

7:55 - 8:00 am
Program Overview - Glen E. Farr, PharmD

**New Challenges for Pharmacists: Pharmacogenomics and Dietary Supplements**
C. Ryan Yates, PharmD, PhD
10:20 – 11:55 am

**Resurgence in Dietary Supplements: Merging Eastern and Western Medicine**
C. Ryan Yates, PharmD, PhD
11:55 - 12:10 pm
Self-Assessment Quiz for Morning Session

12:10 - 1:00 pm Lunch

**Health Literacy and Adherence Challenges for Asthma and COPD**
C. Ryan Yates, PharmD, PhD
1:00 – 2:30 pm

**Counseling for Adherence to Medications for Asthma and COPD**
Shaunta’ Ray, PharmD, BCPS
2:30 – 2:35 pm Break

2:35 – 3:50 pm

**Improving Outcomes Through Counseling on Health Literacy and Adherence**
Shaunta’ Ray, PharmD, BCPS
3:50 - 4:15 pm
Self-Assessment Quiz for Afternoon Session and Adjournment

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**Disclosure Policy**

It is the policy of the University of Tennessee College of Pharmacy to ensure balance, independence, objectivity, and scientific rigor in all its provided or co-sponsored educational programs. All faculty participating in these programs are expected to disclose to the program audiences any real or apparent conflict(s) of interest related to the content of their presentation(s), including any corporate sponsorship of the speaker.