



Michigan Pharmacists Association is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education.



College of Pharmacy

Presents:

The 66th Annual Spring Seminar
Ferris State University
University Center Ballroom
805 Campus Drive
Big Rapids, MI 49307
May 20-21, 2019

Registration Link:

https://ebill.ferris.edu/C20079_ustores/web/classic/store_cat.jsp?STOREID=3&CATID=410&SINGLESTORE=true

Prices:

Pharmacists Monday Evening Only	\$35.00
Pharmacists Tuesday Only	\$95.00
Pharmacists Both Days	\$120.00
Preceptors Monday Evening Only	\$25.00
Preceptors Tuesday Only	\$50.00
Preceptors Both Days	\$70.00

Agenda

Monday evening

5:30 p.m. **Registration**

5:45 p.m. **Welcome and Introductions**

6:00 p.m. ***Acute Sinusitis: To Treat or Not to Treat, That is the Question***

Presenter: Heather Girand, PharmD, BCPPS

Professor & Assistant Department Chair

Ferris State University, College of Pharmacy, Big Rapids, MI

UAN Program Number: # 0112-9999-19-355-L01-P

1.0 contact hour; Knowledge-Based Activity

Initial Release Date: 05/20/2019; Planned Expiration Date: 05/20/2020

At the end of this activity, participants should be able to:

1. Recommend symptomatic therapies that may provide benefit for patients with acute sinusitis.
2. Identify when antibiotic use is appropriate for a patient with acute sinusitis, according to recent treatment guidelines.
3. Select an appropriate antibiotic regimen for a patient with acute sinusitis.

7:00 p.m. ***Pharmacy Law Update 2019***

Presenter: Rose Baran, PharmD

Assistant Professor

Ferris State University, College of Pharmacy, Big Rapids, MI

UAN Program Number: Pharmacists: # 0112-9999-19-356-L03-P; Technicians: 0112-9999-19-356-L03-T

1.0 contact hour; Knowledge-Based Activity

Initial Release Date: 05/20/2019; Planned Expiration Date: 05/20/2020

At the end of this activity, participants should be able to:

1. Discuss the recent changes in state and federal regulations that impact pharmacy practice.
2. Discuss the new regulations and disciplinary actions to address the opioid "epidemic".
3. Discuss proposed rule changes and their potential impact on pharmacy practice.

8:00 p.m. Please join us for an Alumni Reception at the 52 Sports Bar inside the Holiday Inn from 8:00-10:00pm, 1005 Perry Street, Big Rapids, MI 49307

Tuesday

7:30 a.m. Registration & Continental Breakfast

8:15 a.m. Welcome, Introductions, Andreson Award

8:30 a.m. Cardiovascular Updates

UAN Program Number: # 0112-9999-19-357-L01-P

2.0 contact hours; Application-Based Activity

Initial Release Date: 05/21/2019; Planned Expiration Date: 05/21/2020

Dyslipidemia Update 2019

Presenter: Anne Ottney, PharmD, BCPS

Associate Professor/Clinical Pharmacist

Ferris State University, College of Pharmacy, Big Rapids, MI

At the end of this activity, participants should be able to:

1. Compare and contrast available dyslipidemia guidelines.
2. Identify patients who would be candidates for statin therapy.
3. Describe patients who may be candidates for non-statin lipid lowering therapy.

Heart Failure: A Pharmacist's Role in Addressing Treatment Optimization Roadblocks

Presenter: Shelby Kelsh, PharmD, BCPS

Assistant Professor

Ferris State University, College of Pharmacy, Big Rapids, MI

At the end of this activity, participants should be able to:

1. Recognize and address common gaps in GDMT for heart failure.
2. Identify novel agent's role in medical therapy for heart failure.
3. Describe how palliative care can benefit patients with heart failure.

Managing Common Patient Types with Atrial Fibrillation with NOACs Considering 2019 Guidelines

Presenter: Dane Shiltz, PharmD, BCPS

Associate Professor

Ferris State University, College of Pharmacy, Big Rapids, MI

At the end of this activity, participants should be able to:

1. Interpret an anti-Xa peak and/or trough value to determine if a patient with a BMI >40 kg/m² or weight >120 kg should remain on a DOAC or change to a vitamin K antagonist.
2. Recommend the DOAC with the most evidence to support use in end-stage renal disease (ESRD) population with atrial fibrillation (AF) as an alternative to warfarin.
3. Compare the collective incidence of major/severe bleeding and stroke between individuals receiving a DOAC versus a vitamin K antagonist among patients with atrial fibrillation (AF) and cancer.

Cardiovascular Panel Discussion

Moderator: Dean Vanloo, PharmD, Professor, Ferris State University, College of Pharmacy, Big Rapids, MI

10:30 a.m. Break

10:45 a.m. Proper Treatment of Pain in the Midst of the Opioid Crisis

Presenter: Ryan Bearer, DO

Comprehensive Pain Specialists, Bay City and Saginaw MI

Panel Discussion:

Moderator: Rodney Larson, Ph.D., R.Ph., Professor and Assistant Dean of Academics & Practice, Ferris State University, College of Pharmacy, Big Rapids, MI

Panelists:
Ryan Bearer, DO
Comprehensive Pain Specialists, Bay City and Saginaw MI

Susan DeVuyst-Miller, PharmD
Associate Professor, Ferris State University, College of Pharmacy, Big Rapids, MI

Marc Nienhuis, PharmD
Associate Professor, Ferris State University, College of Pharmacy, Big Rapids, MI

Paul Thill, PharmD, BCPS
Professor, Ferris State University, College of Pharmacy, Big Rapids, MI

UAN Program Number: # 0112-9999-19-358-L04-P

1.5 contact hours; Knowledge-Based Activity

Initial Release Date: 05/21/2019; Planned Expiration Date: 05/21/2020

At the end of this activity, participants should be able to:

1. Define pain: acute vs. chronic
2. Discuss the difference between a pain reliever and an analgesic
3. Review addiction, tolerance, and dependence concerning opioids
4. Identify the consequences of polypharmacy in pain management
5. Discuss the impact of the CDC guidelines in the management of chronic pain
6. Describe barriers of the treatment of pain in the era of the opioid crisis
7. Review the consequences of regulation of opioids in the treatment of pain

12:15 p.m. Lunch

1:15 p.m. Jacoby Lecture

Cannabinoid Pharmacology: The Good, Bad, and Unknown

Presenter: Emily Jutkiewicz, Ph.D.

Assistant Professor

University of Michigan, Pharmacology, Medical School, Ann Arbor, MI

UAN Program Number: # 0112-9999-19-359-L04-P

1.0 contact hour; Knowledge-Based Activity

Initial Release Date: 05/21/2019; Planned Expiration Date: 05/21/2020

At the end of this activity, participants should be able to:

1. Describe the pharmacology of endogenous cannabinoids and cannabinoid-related ligands.
2. Discuss the science-based evidence for the purported therapeutic effects as well as the adverse effects.
3. Discuss the science-based evidence about the long-term consequences of cannabinoid use, including cannabis use disorder.

2:15 p.m. Break

2:30 p.m. Split Session One:

UAN Program Number: # 0112-9999-19-360-L04-P

1.5 contact hours; Knowledge-Based Activity

Initial Release Date: 05/21/2019; Planned Expiration Date: 05/21/2020

ABX Stewardship Community

Presenter: Michael Klepser, PharmD, FCCP

Professor

Ferris State University, College of Pharmacy, Big Rapids, MI

At the end of this activity, participants should be able to:

1. Describe methods for reviewing patterns of outpatient antibiotic use and appropriateness of use.
2. Review the Core Elements for Outpatient Antimicrobial Stewardship and how they pertain to pharmacists in the ambulatory and community settings.
3. List ways that community pharmacy can become involved in outpatient stewardship.

3:15 p.m. New Anti-diabetic Agents – One drug fits all?

Presenter: Lauren Steinhaus, PharmD

Clinical Pharmacy Specialist

Wyoming VA Health Care Center, Wyoming, MI

At the end of this activity, participants should be able to:

1. Identify anti-diabetic medications with secondary cardiovascular benefits.
2. Outline how to calculate an insulin dose when converting between basal insulin therapies.

3. Describe a recommended anti-diabetic medication regimen based on patient specific factors.

2:30 p.m. Split Session Two, UC 217:

UAN Program Number: # 0112-9999-19-361-L04-P

1.5 contact hours; Knowledge-Based Activity

Initial Release Date: 05/21/2019; Planned Expiration Date: 05/21/2020

Hospital Antibiotic Stewardship

Presenter: Adam Utley, PharmD, BCPS

Clinical Manager, Antimicrobial Stewardship Pharmacist

McLaren Northern Michigan, Petoskey, MI

At the end of this activity, participants should be able to:

1. Define the pharmacist's role while practicing inpatient antimicrobial stewardship.
2. Discuss how to use available resources to design antimicrobial stewardship interventions pertinent to your inpatient population.
3. List potential antimicrobial stewardship interventions for your program.

3:15 p.m. Sepsis 2019

Presenter: Kyle Schmidt, PharmD, BCCCP

Assistant Professor

Ferris State University, College of Pharmacy, Big Rapids, MI

At the end of this activity, participants should be able to:

1. Describe changes in the management of sepsis and septic shock as outlined in the updated Surviving Sepsis Campaign Guidelines from 2016.
2. Discuss the role of high dose vitamin c and thiamine in the management of septic shock.
3. Review recent therapy advances since the publication of the updated Surviving Sepsis Campaign Guidelines in 2016.

4:00 p.m. End of Program Address

Audience: These programs were developed specifically for pharmacists.

Pharmacy Continuing Education Requirements

These activities are structured to meet knowledge- and application-based educational needs. A knowledge-based activity acquires factual knowledge. An application-based activity applies to information learned in the timeframe allotted. Information in knowledge- and application-type activities is based on evidence as accepted in the literature by the healthcare professions. Pharmacy continuing education (PCE) credit will be earned based on participation in this activity. Any individual who is more than 10 minutes late to an activity or leaves an activity early will not be granted PCE credit. This procedure will be strictly enforced, so please plan accordingly.

Participants must fully participate in the activity and complete the online activity evaluation and posttest questions, if received by presenters, with a passing score of 70 percent or greater before June 4, 2019. Online evaluations and posttests will not be available for completion and requests to process credit will not be accepted after this date. See the program instruction sheet distributed during the activity for the online activity link. Credit will not be processed until the online evaluation and posttest has officially closed for response. Please allow MPA two weeks to process and upload credit to CPE Monitor after the evaluation and posttest has closed. NOTE: ACPE guidelines prohibit MPA from issuing credit more than 60 days after the activity for any reason; therefore, to avoid denial of credit, it is imperative that pharmacists and pharmacy technicians complete the online evaluation by the deadline indicated to allow sufficient time for processing. If all requirements are met, participants will receive pharmacy continuing education (PCE) credit through CPE Monitor, a national, collaborative effort by ACPE and the National Association of Boards of Pharmacy (NABP) to provide an electronic system for pharmacists and pharmacy technicians to track their completed PCE credits. MPA, as an ACPE-accredited provider, is required to report pharmacist and pharmacy technician PCE credit using this tracking system. Pharmacist and pharmacy technician participants must provide their NABP e-Profile identification number and date of birth (in MMDD format) when they complete activity evaluations. It will be the responsibility of the participant to provide the correct information. If this information is not correctly provided, NABP and ACPE prohibit MPA from issuing CPE credit. Online access to their inventory of completed credits will allow pharmacists and pharmacy technicians to easily monitor their compliance with CPE requirements and print statements of credit. Therefore, MPA will not provide printed statements of credit to pharmacists and pharmacy technicians. Partial credit will not be awarded. If you have yet to sign up for CPE Monitor, go to MyCPEMonitor.net.

Important Information for the Pharmacy Seminar

Please note: there will be a limited access option available for people that need to complete this seminar on-line.

Please contact Karen Ottobre at ottobrek@ferris.edu if you are interested in that BlueJeans option.

All learning material for the sessions will be available to print out or view on the Pharmacy website one week before the seminar at: <https://ferris.edu/HTMLS/colleges/pharmacy/homepage.htm>

Link to the Campus Map: <https://www.ferris.edu/HTMLS/ferrisfaq/maps/graphic-details.pdf>

Big Rapids & Surrounding Area Lodging:

Holiday Inn Big Rapids **Special Rates for 2018 Spring Seminar of \$106.00 + tax by mentioning the College of Pharmacy**
1005 Perry Ave
Big Rapids, MI 49307
[\(231\) 796-4400](tel:(231)796-4400)
<https://www.holidayinn.com/hotels/us/en/reservation>

Quality Inn & Suites **Special Rates for 2018 Spring Seminar of a 15% discount + tax by mentioning Ferris**
1705 S State St, Big Rapids, MI 49307
[\(231\) 592-5150](tel:(231)592-5150)
<https://www.choicehotels.com/michigan/big-rapids/quality-inn-hotels/mi275?source=gyxt>

Super 8 Big Rapids MI **Special Rates for 2018 Spring Seminar of \$64.99 + tax by mentioning Pharmacy**
845 Water Tower Rd, Big Rapids, MI 49307
[\(231\) 796-1588](tel:(231)796-1588)
<https://www.wyndhamhotels.com/super-8/big-rapids-michigan/super-8-big-rapids-mi/overview?WID=LC:SE:20150901:Rio:Local>

Country Inn & Suites by Carlson **Special Rates for 2018 Spring Seminar of \$88.00 + tax by mentioning Pamela**
15344 Waldron Way, Big Rapids, MI 49307
[\(231\) 527-9000](tel:(231)527-9000)
<https://www.countryinns.com/big-rapids-hotel-mi-49307/mibigrap>

Inn at the Rustic Gate (8 miles west of BR)
Bed & Breakfast
<http://www.innattherusticgate.com/>
6991 Hungerford Lake Drive
Big Rapids, MI 49307
(231) 796-2328 or (800) 319-5867
rusticgate@casair.net

The Inn at St. Ives (14 Miles east of BR)
9940 St. Ives Dr.
Stanwood, MI 49346
(231)972-4837
1-800-972-4837
www.stivesgolf.com

Cadillac

Holiday Inn Express & Suites Cadillac
7642 S. Us 131, Cadillac, MI 49601
[\(231\) 779-4656](tel:(231)779-4656)
https://www.ihg.com/holidayinnexpress/hotels/us/en/cadillac/cdlmi/hoteldetail?cm_mmc=GoogleMaps_-EX_-USA_-CDLMI

Hampton Inn Cadillac
1650 S Mitchell St, Cadillac, MI 49601
[\(231\) 779-2900](tel:(231)779-2900)
<http://hamptoninn3.hilton.com/en/hotels/michigan/hampton-inn-cadillac-CADSMHX/index.html>

Days Inn Cadillac
5900 Michigan 115, Cadillac, MI 49601
[\(231\) 775-4414](tel:(231)775-4414)
<http://www.daysinn.com/hotels/michigan/cadillac/days-inn-cadillac/hotel-overview?WID=LC:DI:20160226:RIO:Local:SM-dienct>

Northern Grand Rapids

Comfort Suites Grand Rapids North

350 Dodge St, Comstock Park, MI 49321

[\(616\) 828-4995](tel:(616)828-4995)

<https://www.choicehotels.com/michigan/comstock-park/comfort-suites-hotels/mi235?source=gyxt>

Hampton Inn Grand Rapids-North

500 Center Dr NW, Grand Rapids, MI 49544

[\(616\) 647-1000](tel:(616)647-1000)

<http://hamptoninn3.hilton.com/en/hotels/michigan/hampton-inn-grand-rapids-north-GRRAPHX/index.html>

Riverfront Hotel Grand Rapids

270 Ann St NW, Grand Rapids, MI 49504

[\(616\) 363-9001](tel:(616)363-9001)

<https://riverfronthotelgr.com/>

SpringHill Suites Grand Rapids North

450 Center Dr, Grand Rapids, MI 49544

[\(616\) 785-1600](tel:(616)785-1600)

<http://www.marriott.com/hotels/travel/grrsh-springhill-suites-grand-rapids-north/?scid=bb1a189a-fec3-4d19-a255-54ba596febe2>