

Pediatric Pharmacy Specialty Review and Recertification Course



AGENDA

SATURDAY, JUNE 3, 2017

7:30 AM – 8:05 AM

Welcome/Introductions and Tips for Success

Jamie Miller, Pharm.D., BCPS, BCPPS

8:05 AM – 9:35 AM

Complex Case: Neonatal Sepsis

Jamie Miller, Pharm.D., BCPS, BCPPS

ACPE Number: 0204-0000-17-950-L01-P

Application-based: 1.5 credit hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex neonatal patient with multiple conditions, including patent ductus arteriosus, apnea of prematurity, early and late onset sepsis, and necrotizing enterocolitis.
2. Evaluate the clinical and therapeutic implications of placental transfer of medications.
3. Identify age-specific pharmacokinetic differences among neonates, infants, children, and adolescents.
4. Incorporate FDA Alerts for adverse drug events and drug-drug interactions into clinical practice.

9:35 AM – 9:50 AM

Break

9:50 AM – 11:20 AM

Complex Case: Diabetic Ketoacidosis

Rachel Meyers, Pharm.D., BCPS, BCPPS

ACPE Number: 0204-0000-17-954-L01-P

Application-based: 1.5 credit hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex pediatric patient with multiple conditions, including diabetic ketoacidosis, type 1 diabetes mellitus, and urinary tract infection.
2. Calculate maintenance and replacement fluid requirements and urine output.
3. Identify factors affecting medication adherence.
4. Determine appropriate dosing of insulin based on patient age and weight.
5. Select an effective method of delivery for insulin.

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11:20 AM – 11:50 AM

Regulatory and IRB Considerations

Peter Johnson, Pharm.D., BCPPS, BCPS, FPPAG

ACPE Number: 0204-0000-17-952-L03-P

Knowledge-based: 0.5 credit hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

1. Identify appropriate off-label use of medications in the pediatric population.
2. Recognize Institutional Review Board (IRB) requirements for documentation of clinical studies.
3. List characteristics of patients who require informed assent/consent.
4. Recognize federal legislation relevant to the use of medications in pediatric patients.

11:50 AM – 1:05 PM

Lunch on own

1:05 PM – 2:35 PM

Complex Case: Deep Vein Thrombosis and Metabolic Syndrome

Kelly Matson, Pharm.D., BCPPS

ACPE Number: 0204-0000-17-953-L01-P

Application-based: 1.5 credit hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex pediatric patient with multiple conditions, including deep vein thrombosis, type 2 diabetes mellitus, dyslipidemia, and hypertension.
2. Identify resources and treatment options for sexually transmitted infections.
3. Select appropriate monitoring considerations of anticoagulation medications.
4. Recognize the impact of pharmacogenomic differences on warfarin therapy.

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2:35 PM – 4:05 PM

Complex Case: Acute Lymphoblastic Leukemia and Supportive Care

Jennifer Thackray, Pharm.D., BCPPS, BCPS

ACPE Number: 0204-0000-17-951-L01-P

Application-based: 1.5 credit hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex pediatric patient with multiple conditions, including acute lymphoblastic leukemia (ALL), tumor lysis syndrome, febrile neutropenia, invasive aspergillosis infection, and *Clostridium difficile* infection.
2. Select appropriate medication dose modifications related to hepatic impairment.

4:05 PM – 4:20 PM

Break

4:20 PM – 5:50 PM

Complex Case: Acute Asthma

Jill Morgan, Pharm.D., BCPS, BCPPS

ACPE Number: 0204-0000-17-955-L01-P

Application-based: 1.5 credit hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex pediatric patient with multiple conditions, including acute and chronic asthma, ADHD, acne and GERD.
2. Evaluate essential components of social history, including smoke exposure and home environment.
3. Formulate a plan to address barriers to patient education and adherence, including age, language, cultural considerations, and inhaler technique.
4. Describe the impact of age on classification and management of asthma.
5. Assess available resources to improve access to medications, including patient assistance programs.

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SUNDAY, JUNE 4, 2017

7:30 AM – 7:35 AM

Announcements

7:35 AM – 8:35 AM

Research Design, Evidence-based Medicine and Statistical Analysis, Part 1

Krystal Moorman, Pharm.D., BCPS

ACPE Number: 0204-0000-17-956-L04-P

Application-based: 2.0 credit hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

1. Interpret biomedical literature with regard to study design, methodology, statistical analysis, and significance and applicability of reported data and conclusions.
2. Explain the use of evidence-based treatment guidelines and protocols.

8:35 AM – 8:50 AM

Break

8:50 AM – 9:50 AM

Research Design, Evidence-based Medicine and Statistical Analysis, Part 2

Krystal Moorman, Pharm.D., BCPS

*See Part 1 Above

9:50 AM – 10:00 AM

Break

10:00 AM – 10:15 AM

Board of Pharmacy Specialties Examination Overview

Brian Lawson, Pharm.D.

10:15 AM – 11:45 AM

Complex Case: Sickle Cell Disease with Vaso-Occlusive Crisis

Emily Waite, Pharm.D., BCOP

ACPE Number: 0204-0000-17-957-L01-P

Application-based: 1.5 credit hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex pediatric patient with multiple conditions, including a vaso-occlusive crisis, cellulitis, constipation, and need for immunizations.
2. Select most appropriate patient controlled analgesia regimen based on vaso-occlusive crisis severity.
3. Identify required immunizations for adolescents, including patients with risk factors for vaccine-preventable diseases.
4. Apply pharmacodynamic principles when selecting appropriate antibiotic regimens.

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11:45 AM – 1:00 PM

Lunch on own

1:00 PM – 2:30 PM

Complex Case: Medication Error & Practice Management

Lisa Thames, Pharm.D., BCPS

ACPE Number: 0204-0000-17-958-L05-P

Application-based: 1.5 credit hours

Objectives:

At the conclusion of this activity, the participant should be able to incorporate position statements, white papers, national guidelines from recognized regulatory organizations into institutional policies and procedures related to:

1. Medication reconciliation
2. Appropriate drug preparation and delivery (e.g., extemporaneous compounding and standardized concentrations)
3. Selecting equipment/technology and decision support
4. Adverse drug event monitoring and reporting
5. Metrics for evaluating quality of pediatric pharmacy services

2:30 PM – 4:00 PM

Complex Case: Status Epilepticus and Cardiopulmonary Resuscitation

Peter Johnson, Pharm.D., BCPPS, BCPS, FPPAG

ACPE Number: 0204-0000-17-960-L01-P

Application-based: 1.5 credit hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex pediatric patient with multiple conditions and needs, including status epilepticus, cardiopulmonary resuscitation, and sedation/analgesia.
2. Differentiate treatment options in cardiopulmonary arrest based on patient presentation.
3. Select the appropriate dose and route of administration for medications.
4. Assess the need and processes for reporting adverse drug events.
5. Identify cultural considerations related to treatment and counseling of the pediatric population.
6. Distinguish between the four preceptor roles.

4:00 PM – 4:15 PM

Break

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4:15 PM – 5:45 PM

Complex Case: Pneumonia and Septic Shock

Emily Benefield, Pharm.D., BCPS, BCPPS

ACPE Number: 0204-0000-17-959-L01-P

Application-based: 1.5 credit hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex pediatric patient with multiple conditions, including pneumonia, septic shock, acute kidney injury, and parenteral nutrition.
2. Calculate creatinine clearance, fluid requirements, and urine output in pediatric patients.
3. Select appropriate dosing for medications based on renal dysfunction and/or replacement modalities.
4. Differentiate vital signs between stable and critically ill pediatric patients.

5:45 PM – 6:00 PM

Closing Remarks

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ACCREDITATION FOR PHARMACISTS



ASHP is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

FACULTY

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