

38th Annual
**Iowa Conference
on Perinatal Medicine**

**Tuesday and Wednesday
April 24 & 25, 2012**



**West Des Moines Marriott Hotel
1250 Jordan Creek Parkway
West Des Moines, Iowa 50321**

This conference is jointly sponsored by the Iowa Statewide Perinatal Care Program, the University of Iowa Roy J. and Lucille A. Carver College of Medicine, the University of Iowa Hospitals and Clinics and the Iowa Department of Public Health.

Purpose and Intended Audience

This conference is designed to provide state-of-the-art information on obstetric and newborn care practices, which is of particular importance and value to obstetric and newborn care nurses, midwives, family physicians, physician assistants, obstetricians, pediatricians, and allied perinatal health care professionals.

Educational Objectives

After attending the conference, participants should be able to:

1. Define and demonstrate improved skills in the medical and nursing care of the normal obstetric patient and the normal newborn infant.
2. Discuss and apply recent advances in the medical and nursing care of obstetric and newborn patients with specific high-risk problems.

Continuing Education Credit

NURSES

1.26 CEUs (0.63 for each day) will be granted by University of Iowa Hospitals and Clinics Department of Nursing (Iowa Board of Nursing Approved Provider #34).

Participants must attend the entire program each day to receive full credit and daily sign-in is required. Questions concerning nursing credits should be directed to the Nursing Clinical Education Center at (319) 356-4304.

PHYSICIANS

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the University of Iowa Roy J. and Lucille A. Carver College of Medicine and Iowa's Statewide Perinatal Care Program. The UI Carver College of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

The University of Iowa Carver College of Medicine designates this live activity for a **maximum of 10.5 AMA PRA Category 1 Credits™**. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Tuesday only: 5.25 AMA PRA Category 1 Credits™

Wednesday only: 5.25 AMA PRA Category 1 Credits™

Sponsorship

This conference is jointly sponsored by the Statewide Perinatal Care Program, the University of Iowa Roy J. and Lucille A. Carver College of Medicine, the University of Iowa Hospitals and Clinics and the Iowa Department of Public Health.

The Conference Planning Committee

Kathy Brogden, Coordinator
John M. Dagle, MD PhD
Diane Eastman, ARNP
John Ely, MD
Jane Flynn, BSN RNC
Ann Freyenberger, BSN RN
Susan Gehlsen, MA BSN RN
Jill Henkle, RN
Stephen K. Hunter, MD PhD

Nicolett Markovetz, RN CNM
Cary Murphy, MD
Amy N. Sanborn, MSN RNC
Jeffrey L. Segar, MD
Rebecca Chuffo-Siewert, RNC DNP NNP
Penny K. Smith, BSN RNC
Stephanie Trusty, BSN RNC
Rachel M. Woodard, BSN RNC

Planning Considerations

Content considerations and the selection of speakers are the responsibilities of the Planning Committee and Conference Director. Commercial firms providing financial support did not have input into these areas.

Guest Faculty

LUIS A. CASTAGNINI, MD MPH
Pediatric Infectious Diseases
Blank Children's Hospital
Des Moines, IA

STEVEN L. CLARK, MD
Medical Director
Women's & Children's Clinical Service
St. Mark's Women's Center
Salt Lake City, UT

JOHN S. HOKANSON, MD
Assistant Professor of Pediatrics
Pediatric Cardiovascular Medicine
University of Wisconsin
Madison, WI

RIZWAN Z. SHAH, MD FAAP
Medical Director, Regional Child Protection
Blank Children's Hospital
Des Moines, IA

The University of Iowa Faculty

STEVEN McELROY, MD
Assistant Professor of Pediatrics
Division of Neonatology
University of Iowa Hospitals and Clinics

STEPHEN K. HUNTER, MD PhD
Professor
Medical Director
Obstetrics & Gynecology, Maternal-Fetal Medicine
University of Iowa Hospitals and Clinics
Associate Director, Statewide Perinatal Care Program

JULIE B. LINDOWER, MD MPH
Clinical Assistant Professor of Pediatrics
Division of Neonatology
University of Iowa Hospitals and Clinics

MARIA A. LOFGREN, ARNP NNP-B CPNP
Nurse Practitioner Supervisor
Co-Director CREWS
Department of Pediatrics-Nursing
University of Iowa Hospitals and Clinics

JEFFREY L. SEGAR, MD
Professor of Pediatrics
Director, Division of Neonatology
University of Iowa Hospitals and Clinics
Director, Statewide Perinatal Care Program

SARAH TIERNEY, PharmD
Clinical Pharmacy Specialist
Neonatal Intensive Care Unit
University of Iowa Hospitals and Clinics

RACHEL M. WOODARD, BSN RNC
Nurse Clinician Specialist
University of Iowa Hospitals and Clinics
Obstetric Nurse Consultant
Statewide Perinatal Care Program

Disclosure Policy

DISCLOSURE POLICY: Everyone in a position to control the content of this educational activity will disclose to the CME provider (University of Iowa Carver College of Medicine) and to attendees all relevant financial relationships with any commercial interests. They will also disclose if any pharmaceuticals or medical procedures and devices discussed are investigational or unapproved for use by the U.S. Food and Drug Administration (FDA).

Tuesday, April 24, 2012

Program Agenda

- 7:00 a.m. **REGISTRATION & BREAKFAST
VIEW EXHIBITS**
- 7:45 **WELCOME AND ANNOUNCEMENTS**
- 8:00 **Avoiding Maternal Mortality in 2012 – Steven L. Clark, MD**
Recognize the top causes of maternal death and discuss how to avoid common errors that can lead to maternal death.
- 9:30 **REFRESHMENTS & VIEW EXHIBITS**
- 10:00 **What's New in Newborn Medicine - Jeffrey L. Segar, MD**
Describe recent advances in newborn medicine to promote health and decrease morbidity. Identify resources providing contemporary information regarding care of the newborn.
- 11:30-1:00 **LUNCH (on your own)**
- 1:00 p.m. **Making Obstetrics a Highly Reliable Profession: From Community Hospital to Academic Teaching Center – Steven L. Clark, MD**
Understand obstacles to patient safety in the current U.S. health delivery system and discuss local restructuring of care delivery to enhance patient safety.
- 2:15 **BEVERAGE/RESTROOM BREAK**
- 2:45 **CONCURRENT SESSION I**
- 1. Neonatal Necrotizing Enterocolitis: The Past, the Present and the Future – Steven McElroy, MD**
Understand the proposed pathophysiology of neonatal necrotizing enterocolitis and discuss potential new therapies that are being proposed.
- 2. Simulation on a Shoestring: Improving Safety and Team Performance - Maria Lofgren, ARNP NNP-BC CPNP; Julie Lindower, MD MPH**
Understand the concept of simulation beyond the technology and outline useful debriefing techniques for constructive learning.
- 3. Neonatal Medications 101 – Sarah Tierney, PharmD**
Understand the differences between absorption, distribution, metabolism and excretion. Review the basics of antibiotics, pain and sedation medications, and respiratory medications. Discuss vaccines recommended for newborns.
- 3:45 **PROGRAM RECESSED UNTIL 7:00 AM ON WEDNESDAY**

Wednesday, April 25, 2012

7:00 a.m. REGISTRATION & BREAKFAST

7:45 ANNOUNCEMENTS

8:00 **Pulse Oximetry Screening for Critical Congenital Heart Disease in Newborns -
*John S. Hokanson, MD***

Understand the changes in neonatal cardiac physiology that may mask critical congenital heart defects. Review the data surrounding the use of pulse oximetry to detect critical congenital heart disease in neonates.

9:30 REFRESHMENTS & VIEW EXHIBITS

10:00 **Impact of Maternal Substance Abuse on Infants - *Rizwan Shah, MD FAAP***

Discuss the importance of maternal history in substance exposed infants and describe the latest trends in substance abuse among pregnant women in Iowa.

11:30-1:00 Lunch (on your own)

1:00 **CONCURRENT SESSION II**

1. Caring for Drug Exposed Infants - *Rizwan Shah, MD FAAP*

Discuss the common early symptoms in infants exposed prenatally to drugs. Review common challenges in providing care for infants exposed to drugs and discuss successful interventions.

2. Perinatal Care Issues Encountered by the Statewide Perinatal Care Team: Iowa's Top 10 List – *Stephen K. Hunter, MD PhD*

Discuss perinatal safety and care issues encountered in Iowa hospitals. Discuss strategies to improve perinatal care in the State of Iowa.

3. Friend, Foe or We Don't Know: Using Probiotics in Neonates - *Steven McElroy, MD*

Understand the definitions, the mechanisms of action, and the potential adverse affects of probiotics, prebiotics and symbiotics.

2:00 REFRESHMENTS & VIEW EXHIBITS

2:15 **CONCURRENT SESSION III**

1. EFM Case Presentations – *Stephen K. Hunter, MD PhD; Rachel M. Woodard, BSN RNC*

Through an interactive session attendees will learn how to analyze difficult, unusual and interesting tracings, and systematically describe an FHR tracing to better distinguish between the sick and the well fetus.

2. Congenital Infections: An overview - *Luis Castagnini, MD MPH*

Review and understand the pathogenesis, clinical manifestations, treatment and outcome of the most common congenital infections including HIV. Describe an appropriate diagnostic work-up for the most common congenital infections including HIV.

3. Neonatal Medications 101 – *Sarah Tierney, PharmD*

Understand the differences between absorption, distribution, metabolism and excretion. Review the basics of antibiotics, pain and sedation medications, and respiratory medications. Discuss vaccines recommended for newborns.

3:30 **HAND IN CEU CARDS AND EVALUATION FORMS AT REGISTRATION TABLE**

PROGRAM ADJOURNED for 2012

Registration Fees

Physician, *Physician Assistant, *Midwife:

2 day fee - \$225

1 day fee - \$195

*Provides credit letter for attendance at AMA approved activity.

Nurses:

2 day fee - \$175

1 day fee - \$145

Medical Residents, Medical Students,

Nursing Students: No Fee

To register please contact the CME office at 319-335-8599.

Registration fees include a CD of all presentations, refreshment breaks, and the processing of continuing education credit. Contact Kathy Brogden at 319-356-2637 or katherine-brogden@uiowa.edu with questions.

Late Fees

All registrations will be assessed a \$25 late fee after April 13, 2012.

*A full refund will be given if notification of cancellation is received **on or before April 13, 2012.** **NO SUBSTITUTIONS ARE PERMITTED.***

Conference Facility

A block of rooms has been reserved at the West Des Moines Marriott Hotel. When making reservations (**1-800-228-9290**), please state that you are attending the 38th Annual Iowa Conference on Perinatal Medicine to receive the group rate. Room rates are \$94/room (not per person) plus tax, with a limit of 4 guests to a room. Rooms at this rate will be held through the end of the day **Tuesday, April 10, 2012.**

Directions to the West Des Moines Marriott:

The hotel is located at 1250 Jordan Creek Parkway. Take I-80 to EXIT 121 (Jordan Creek Parkway exit) and turn South onto Jordan Creek Parkway. The Marriott is located on the West side of the street a short distance from the exit.

Registration Form

38th ANNUAL IOWA CONFERENCE ON PERINATAL MEDICINE

April 24-25, 2012 West Des Moines Marriott

Registration fees:

____ Physicians, Physician Assistants, Midwife: \$225 (2 days)

____ Physicians, Physician Assistants, Midwife: \$195 (1 day)

____ Nurses: \$175 (2 days)

____ Nurses: \$145 (1 day)

____ Medical Residents, Medical Students, Nursing Students: No Fee

(To register please contact CME office at 319-335-8599)

PLEASE PRINT OR TYPE to ensure correct registration.

Name: _____ Degree: _____

Address: _____

Home

City

Zip

Phone: _____

Place of employment

City

Phone

EMAIL ADDRESS _____

(must be an active email address)

***After April 13, 2012 online, phone-in or on-site registrations only.
There will be a \$25 late fee assessed.***

METHOD OF PAYMENT:

Enclosed is a check made payable to:
The University of Iowa in the amount of: \$ _____

Please charge my: VISA MasterCard

Account # _____ Exp Date _____

Signature _____

3-digit Security Code on back _____

Four ways to register:

Online: www.medicine.uiowa.edu/cme

Click on "Upcoming Conferences"

Fax: (319) 335-8327

Not accepted after 4-13-12

Phone: (319) 335-8599

Mail:

Continuing Medical Education Division
UI Carver College of Medicine
100 Medicine Administration Bldg.
Iowa City, IA 52242-1101

Not accepted after 4-13-12

**Statewide Perinatal Care Program
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200 Hawkins Drive
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