



UNIVERSITY OF MIAMI
MILLER SCHOOL
of MEDICINE

JACKSON MEMORIAL MEDICAL CENTER

36th MIAMI NEONATOLOGY 2012 ANNUAL INTERNATIONAL CONFERENCE



October 31st-November 3rd, 2012
Fontainebleau Miami Beach, Florida

One Day "Pre-Conference" Workshop | October 31st, 2012

ADVANCES IN RESPIRATORY CARE

Sponsored by the University of Miami-Miller School of Medicine • Presented by the Division of Neonatology-Department of Pediatrics

Web page: <http://www.miamineonatology.com>

OVERVIEW: Miami Neonatology 2012 strives to provide medical professionals with comprehensive knowledge of the leading trends and best practices in neonatology. This course will highlight the most current concepts in the pathogenesis, management and prevention of problems in the newborn infant. Miami Neonatology 2012 will provide attendees with an extensive educational program featuring new developments in treating conditions that are causally associated with morbidity and mortality in the neonate. Participants will understand the importance of the preventive approach in minimizing medical complications and optimizing developmental outcome. Important topics will include prenatal conditions that may jeopardize the fetus, management of acute neonatal complications, as well as issues relating to long term developmental outcome. The goal of this educational activity is to provide attendees with improved competency, performance and quality of care for newborns.

OBJECTIVES:

Upon completion of this course, participants will be able to:

- Examine the role of new neurologic interventions in the management of asphyxiated infants.
- Examine the role of new nutritional interventions in the management of very low birth weight infants.
- Integrate innovative management strategies for invasive and non-invasive neonatal ventilation.
- Apply the most current concepts regarding the care of the newborn infant in the neonatal intensive care unit when treating conditions associated with extreme prematurity.
- Evaluate the role of perinatal fungal infections on neonatal outcome.
- Assess the latest surgical interventions in the management of neonatal necrotizing enterocolitis.
- Assess the latest pharmacologic interventions in the management of the patent ductus arteriosus.
- Evaluate the indications for and complications resulting from the use of oxygen in newborn infants.
- Assess the long term developmental challenges occurring in surviving high risk newborns.

DATES: Wednesday, October 31st thru Saturday, November 3rd, 2012

PLACE: Fontainebleau Miami Beach, Florida

ACCOMMODATIONS: DELUXE GUEST ROOMS

DETAILS OF SYMPOSIUM: Course lectures will be 30 minutes in duration followed by discussion periods. Workshop lectures will be 30 minutes in duration and will be followed by a discussion session and practical demonstration. The discussions and demonstrations are informal sessions in which participants may directly interact with the faculty. This provides an opportunity for the practicing clinician to discuss in detail their own unique problems, clinical experiences, unusual cases, and/or to cover topics that are not included in the formal program.

SERVICES FOR THE DISABLED: If special arrangements are required for an individual with a disability to attend this conference, contact the Division of Neonatology at 305-243-5808 and the Fontainebleau Miami Beach at 1-800-548-8886 at least 15 days prior to conference.

TARGET AUDIENCE: This conference is directed towards Neonatologists, Pediatricians, Obstetricians, Neonatal Nurses, Respiratory Therapists, and other health care professionals within the field of Neonatology/Perinatology/Pediatrics. Simultaneous **Spanish** translation will be available.

ACCREDITATION: University of Miami Leonard M. Miller School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Miami Professional Development and Training Office (PDTO) is an approved provider of continuing education in nursing by the Florida Board of Nursing.

CREDIT DESIGNATION: University of Miami Leonard M. Miller School of Medicine designates this educational activity for a maximum of 25 *AMA PRA Category 1 Credits*.™ (7 credits in workshop, 18 credits in conference). Physicians should claim only credit commensurate with the extent of their participation in the activity.

Nurses will be provided with 15 continuing education units (CEU) for the conference. However, they are required to request credits from their own (State Licensing Board) for the workshop.

DISCLOSURE AND CONFLICT OF INTEREST RESOLUTION: All conflicts of interest of any individual(s) in a position to control the content of this CME activity will be identified and resolved prior to this educational activity being provided. Disclosure about provider and faculty relationships, or the lack thereof, will be provided to the learners.

REGISTRATION: Early registrations received before October 1st, 2012- \$650.00 for physicians and \$500.00 for nurses, therapists, students and residents. Institutional documentation of resident/student status **must** accompany application. Applications received October 1st to October 19th, \$700.00 for physicians, \$550.00 for nurses, therapists, students and residents. On-site registration fee of \$900.00, \$600 nurses, therapists, students and residents, may be available on a **limited**, space available basis. Walk-in registration is not guaranteed.

A separate \$225.00 **advance** registration fee for the workshop is non-refundable and non-discountable. Workshop attendance is limited to the first **150** paid registrations. There will be **no** on-site registration for the workshop. Only participants registered to attend the full conference will be eligible to attend the workshop.

Master Card, Visa and American Express are accepted.

CANCELLATION POLICY REGISTRATION CANCELLATION POLICY

Refunds will be made only if written notice of cancellation is received on or prior to October 13, 2012. A \$100.00 fee is charged for all refunds. After this date, no refunds will be made.

WEBSITE: <http://www.miamineonatology.com>

GUEST SPEAKERS MIAMI NEONATOLOGY 2012



NICK J. EVANS, M.D.

Clinical Associate Professor,
University of Sydney
Sydney, Australia



PETRA HUPPI, M.D.

Head of Medical Service
Department of Development and Growth - Dept. of
Pediatrics, Children's Hospital
University of Geneva
Geneva, Switzerland



PAOLO MANZONI, M.D.

Faculty Staff, Division of Neonatology and NICU
Santa Anna Hospital
Torino, Italy



ROBERTO ROMERO, M.D., D.MED. SCI

Chief, Perinatology Research Branch
Program Director for Perinatal Research
and Obstetrics
Intramural Division
Eunice Kennedy Shriver National Institute of Child
Health and Human Development
National Institutes of Health, DHHS
Detroit, Michigan and Bethesda, Maryland



ROBIN H. STEINHORN, M.D.

Chair, Department of Pediatrics
University of California Davis
Sacramento, CA



BEN STENSON, M.D.

Full time NHS Consultant Neonatologist
Neonatal Unit
Simpson Centre for Reproductive Health
Royal Infirmary of Edinburgh
Edinburgh, Scotland



YVONNE Y. VAUCHER, M.D.

Clinical Professor of Pediatrics
University of California San Diego
San Diego, CA



ROSE VISCARDI, M.D.

Professor of Pediatrics
Director, Neonatal-Perinatal Medicine Fellowship
Training Program
Director, NICU Follow-Up Program
University of Maryland Medical Center
Baltimore, MD



EKHARD ZIEGLER, M.D.

Professor of Pediatrics, Division of Neonatology
and Division of Nutrition
University of Iowa Children's Hospital
Iowa City, IA



University of Miami **FACULTY**



EMMALEE S. BANDSTRA, M.D.

Professor of Pediatrics and Obstetrics Gynecology
Division of Neonatology
Director, Perinatal Chemical Addiction Research and Education (CARE) Program



NELSON CLAURE, M.SC., Ph.D.

Research Associate Professor
Director, Neonatal Pulmonary Laboratory
Division of Neonatology



SILVIA FAJARDO-HIRIART, M.D.

Assistant Professor of Clinical Pediatrics
Early Steps Program



CLEIDE SUGUIHARA, M.D.

Associate Professor of Pediatrics
Director, Neonatal Developmental Biology Laboratory
Division of Neonatology



MICHELLE D. BERKOVITS, Ph.D.

Assistant Professor of Clinical Pediatrics
Early Steps Program
Department of Pediatrics
Division of Clinical Psychology



SYLVIA DAUNERT, Ph.D.

Professor and Chair,
Department of Biochemistry and Molecular Biology
University of Miami



CRISTINA T. NAVARRETE, M.D.

Assistant Professor of Pediatrics
Division of Neonatology



SHU WU, M.D.

Associate Professor of Pediatrics
Division of Neonatology



OLAF A. BODAMER, M.D., Ph.D., FACMG

Professor of Human Genetics
Director, Division of Clinical and Translational Genetics
Clinical Vice Chair
Dr. John T. Macdonald Foundation



TERESA DEL MORAL, M.D., Ph.D.

Associate Professor of Pediatrics
Division of Neonatology



JUAN E. SOLA, M.D.

Associate Professor of Surgery,
Chief, Division of Pediatric and Adolescent Surgery
University of Miami



KAREN C. YOUNG, M.D.

Associate Professor of Pediatrics
Division of Neonatology



MARIA BUCH, M.D.

Associate Professor of Pediatrics
Associate Director, Special Care Nursery
Division of Neonatology



SHAHNAZ DUARA, M.D.

Professor of Pediatrics and Obstetrics-Gynecology
Medical Director,
Neonatal Intensive Care Unit
Division of Neonatology



ILENE R. S. SOSENKO, M.D.

Professor of Pediatrics and Obstetrics-Gynecology
Associate Director for Clinical Development and Outreach
Division of Neonatology

Program CO-DIRECTORS



EDUARDO H. BANCALARI, M.D.
Professor of Pediatrics and
Obstetrics-Gynecology
Director, Division of Neonatology



CHARLES R. BAUER, M.D.
Professor of Pediatrics,
Obstetrics-Gynecology and Psychology
Associate Director,
Division of Neonatology
Director, Early Steps Program

Program COORDINATORS



MADELINE MUÑOZ-BUSTAMANTE
Conference Coordinator
Division of Neonatology



ELISABETH RAVELO, BA
Conference Coordinator
Division of Neonatology



MARIA VALLES
Conference Coordinator
Division of Neonatology

University of Miami STAFF



MARIA CALEJO, M.S. ED.
Education Coordinator, Early Steps Program
Department of Pediatrics
University of Miami



DOROTHY HEHRE, R.R.T.
Program Specialist
Neonatal Developmental Biology Laboratory
Division of Neonatology



CARMEN D'UGARD, R.R.T.
Program Specialist
Pulmonary Research Laboratory
Division of Neonatology



MIGUEL NAVARRO, R.R.T., M.S.M.
Pediatric Respiratory Therapy Supervisor
Holtz Children's Hospital
Jackson Memorial Medical Center



RUTH EVERETT, R.N., M.S.N.
Research and Training
Nurse Specialist II
Department of Anesthesiology
Center for Patient Safety



RAY RODRÍGUEZ, BA
Program Coordinator, Early Steps Program
Department of Pediatrics
University of Miami



SILVIA FRAIDE-EGUARAS, BA
Infant Toddler Developmental Specialist
Early Steps Program Research
Coordinator/Supervisor
Department of Pediatrics
University of Miami



**NICOLE THOMPSON-BOWIE,
ARNP, NNP, PNP**
Jackson Memorial Hospital,
Holtz Children's Hospital
Division of Neonatology



JUAN TORRES, R.R.T.
Educational Coordinator of Pediatric
Respiratory Therapy
Holtz Children's Hospital
Jackson Memorial Medical Center

ADVANCES IN RESPIRATORY CARE WEDNESDAY, OCTOBER 31ST, 2012

7:00 a.m.

CONTINENTAL BREAKFAST

7:45 a.m.

OPENING REMARKS

MODERATOR: NELSON CLAURE, PH.D.

8:00 a.m. - 8:30 a.m. Respiratory care in the delivery room
Teresa del Moral, M.D.

8:30 a.m. - 9:00 a.m. Invasive vs. non-invasive respiratory support
Eduardo Bancalari, M.D.

9:00 a.m. - 9:30 a.m. Patient ventilator interaction
Nelson Claure, Ph.D.

9:30 a.m. - 9:50 a.m. **DISCUSSION**

9:50 a.m. - 10:10 a.m. **COFFEE BREAK-EXHIBITS**

MODERATOR: EDUARDO BANCALARI, M.D.

10:10 a.m. - 10:40 a.m. Nutritional support of the infant with respiratory failure
Cristina Navarrete, M.D.

10:40 a.m. - 11:10 a.m. Management of the infant with BPD and pulmonary hypertension
Karen Young, M.D.

11:10 a.m. - 11:40 a.m. Developmental Follow-Up of at-risk infants
Michelle Berkovits, Ph.D.

11:40 a.m. - 12:00 p.m. **DISCUSSION**

12:00 p.m. - 1:25 p.m. **INTERACTIVE LUNCH**

1:30 p.m. - 4:30 p.m.

DEMONSTRATIONS/DISCUSSIONS

Session 1: **Respiratory care in the delivery room**

Session 2: **Invasive vs. non-invasive respiratory support**

Session 3: **Patient ventilator interaction**

Session 4: **Nutritional support of the infant with respiratory failure**

Session 5: **Management of the infant with BPD and pulmonary hypertension**

Session 6: **Developmental Follow-Up of at-risk infants**

5:00 p.m. - 7:00 p.m.

EARLY REGISTRATION RECEPTION



THURSDAY, NOVEMBER 1ST, 2012

- 7:00 a.m. **CONTINENTAL BREAKFAST AND REGISTRATION**
- 7:45 a.m. **WELCOME REMARKS**
Charles R. Bauer, M.D.
 Program Co-Director
- Eduardo Bancalari, M.D.**
 Program Co-Director
- MODERATOR: EDUARDO BANCALARI, M.D.**
- 8:00 a.m. Intrauterine infection/inflammation in preterm labor and neonatal injury
Roberto Romero, M.D.
- 8:45 a.m. Nutrition and the preterm brain
Petra Huppi, M.D.
- 9:15 a.m. Growth failure- Its causes and consequences
Ekhard Ziegler, M.D.
- 9:45 a.m. Nutritional strategies to decrease the burden of neonatal infections
Paolo Manzoni, M.D.
- 10:15 a.m. **DISCUSSION**
- 10:45 a.m. **COFFEE BREAK-EXHIBITS**
- 11:15 a.m. Ventilator associated pneumonia
Rose Viscardi, M.D.
- 11:45 a.m. Bionanotechnology-inspired biosensors, molecular diagnostic tools and drug delivery systems
Sylvia Daunert, Ph.D.
- 12:15 p.m. Diagnosis of sepsis using microarray
Ben Stenson, M.D.
- 12:45 p.m. **DISCUSSION**

- 1:15 p.m. **LUNCH-EXHIBITS**
- MODERATOR: KAREN YOUNG, M.D.**
- 2:30 p.m. Neonatal lung injury: Mechanisms and potential preventive strategies
Shu Wu, M.D.
- 3:00 p.m. Strategies for avoiding ventilator induced lung injury
Eduardo Bancalari, M.D.
- 3:30 p.m. **DISCUSSION**
- 3:50 p.m. Diagnosis and treatment of Ductus Arteriosus: The Sydney Approach
Nick Evans, M.D.
- 4:20 p.m. PDA- Clinical implications and controversies in management: The Miami View
Ilene Sosenko, M.D.
- 4:50 p.m. **DISCUSSION**
- 5:20 p.m. **ADJOURN**



**Holtz Children's
Hospital**

UM/JACKSON MEMORIAL
MEDICAL CENTER

PROGRAM SCHEDULE

FRIDAY, NOVEMBER 2ND, 2012

7:00 a.m. **CONTINENTAL BREAKFAST**

MODERATOR: ILENE SOSENKO, M.D.

8:00 a.m. Radical thoughts about oxygen
Robin H. Steinhorn, M.D.

8:30 a.m. The practical issues of targeting oxygen in the neonatal unit
Ben Stenson, M.D.

9:00 a.m. Neurodevelopmental Outcome of the SUPPORT Trial:
What does this trial tell us?
Yvonne Y. Vaucher, M.D.

9:30 a.m. **DISCUSSION**

10:00 a.m. **COFFEE BREAK-EXHIBITS**

10:30 a.m. Use of point of care ultrasound in the NICU
Nick Evans, M.D.

11:00 a.m. THE OPINION OF THE EXPERTS: Evaluation and management of the hemodynamically compromised infant
DISCUSSANTS: **Nick Evans, M.D., Robin H. Steinhorn, M.D., Ben Stenson, M.D.**
MODERATORS: **Eduardo Bancalari, M.D. and Ilene Sosenko, M.D.**

12:00 noon **LUNCH-EXHIBITS**

MODERATOR: CRISTINA NAVARETTE, M.D.

2:00 p.m. Cervical ultrasound and vaginal progesterone to prevent preterm delivery
Roberto Romero, M.D.

2:30 p.m. Neuroprotection for the premature infant
Petra Huppi, M.D.

3:00 p.m. **DISCUSSION**

3:20 p.m. Options in the surgical management of Necrotizing Enterocolitis
Juan E. Sola, M.D.

3:50 p.m. When to think metabolic in the newborn infant
Olaf Bodamer, M.D.

4:20 p.m. **DISCUSSION**

4:50 p.m. **ADJOURN**

6:30 - 7:30 p.m. **COCKTAIL RECEPTION**



SATURDAY, NOVEMBER 3RD, 2012

7:00 a.m. **CONTINENTAL BREAKFAST**

MODERATOR: CHARLES R. BAUER, M.D.

8:00 a.m. New strategies for the prevention and management of neonatal fungal infection
Paolo Manzoni, M.D.

8:30 a.m. Ureaplasma and pulmonary outcome in premature infants
Rose Viscardi, M.D.

9:00 a.m. Pulmonary vascular disease and prematurity
Robin H. Steinhorn, M.D.

9:30 a.m. **DISCUSSION**

10:00 a.m. **COFFEE BREAK-EXHIBITS**

10:30 a.m. Nutritional management of premature infants
Ekhard Ziegler, M.D.

11:15 a.m. Global Disabilities: A neonatology perspective
Yvonne Y. Vaucher, M.D.

11:45 a.m. **DISCUSSION**

12:15 p.m. Closing Remarks and Course Critique
Charles R. Bauer, M.D.
Eduardo Bancalari, M.D.

12:30 p.m. **ADJOURN**



REGISTRATION FORM

NOVEMBER 1 – 3, 2012 AND ONE-DAY WORKSHOP, "ADVANCES IN NEONATAL RESPIRATORY CARE": OCTOBER 31, 2012

PLEASE COMPLETE FORM ELECTRONICALLY OR PRINT AND FILL IN CLEARLY USING ALL CAPS.

Last Name: _____ First Name: _____

Middle Initial: _____ Degree: _____

Mailing Address: _____

Address 2: _____

City: _____ State: _____ Zip Code: _____

Country: _____ Contact Telephone (include area code): (____) _____

E-mail address: _____

Last 4 digits of your social security (Required for CME credits): _____

Nursing License Number (Required for CEU credits): _____

Status: Physician Nurse ARNP Respiratory Therapist Student* Other: _____

Practice: Private Private-University Affiliated Full-Time Academic University

Specialty: Neonatology Pediatrics Obstetrics/Perinatology Other: _____

Will you utilize simultaneous Spanish translation during conference? Yes No

Will you attend the Friday evening reception? (Complimentary for all registrants) Yes No

PAYMENT METHOD: Registration will not be processed without valid form of payment.

Mail Registration Form to: Dr. Charles R. Bauer
University of Miami Miller School of Medicine
Clinical Research Building (C-208)
1120 NW 14 Street, Suite 1216
Miami, FL 33136 USA

E-mail Registration Form to: miamineonatology@med.miami.edu

Fax Registration Form to: (305) 243-3501

Make check payable in U.S. dollars to: Division of Neonatology
University of Miami Miller School of Medicine

Credit Card: Visa MasterCard American Express

Card #: _____ Expiration: _____

Name as it appears on Credit Card: _____

Billing Zip Code (USA only): _____ Total to be charged: _____

Signature: _____

REGISTRATION:

Full payment must accompany conference and workshop registrations. Conference registration is required for workshop attendance. Pre-Registrations must be received by October 23rd, 2012. Afterwards, registrations will be processed on-site only.

Workshop attendance is limited to the first 150 registrants and is restricted to Neonatologists, Respiratory Therapists, ARNP/NNP's only. Please note, no CEU credits will be provided during the Workshop for nurses. When workshop fills (150), the Morning Lecture Session only will be offered for \$150.00.

**A letter documenting student's status from Training Director must accompany registration.*

CONFERENCE REGISTRATION FEES

EARLY REGISTRATION (Prior to October 1, 2012)

Physicians: \$650 Nurses, Students, Residents, Therapists: \$500

Regular Registration (October 2 – 23, 2012)

Physicians: \$700 Nurses, Students, Residents, Therapists: \$550

On-Site Registration (October 31 – November 3, 2012)

Physicians: \$800 Nurses, Students, Residents, Therapists: \$600

WORKSHOP REGISTRATION

Full Workshop (Limited Availability): \$225

If workshop is full, will you attend the Morning Lecture Session only (\$150)?

Yes No

WORKSHOP DEMONSTRATIONS/DISCUSSIONS

1. Respiratory care in the delivery room
2. Invasive vs. non-invasive respiratory support
3. Patient ventilator interaction
4. Nutritional support of the infant with respiratory failure
5. Management of the infant with BPD and pulmonary hypertension
6. Developmental Follow-Up of at-risk infants

Please list in order of preference from 1 to 6 the demonstration sessions you would like to attend. You will be assigned to three sessions on a first come, first serve basis.

Preferences: _____

FONTAINEBLEAU MIAMI BEACH

4441 Collins Avenue, Miami Beach, Florida 33140



To confirm your reservation, call 800.548.8886. Identify yourself as part of the University of Miami, Department of Pediatrics, Neonatology group.

Special rate only available until Wednesday, October 17, 2012-5:00 p.m., Eastern Standard Time.

Fontainebleau Miami Beach introduces a new culture after a \$1 billion renovation and expansion.

ROOM RATES:

- Guest Rooms start at \$249 per night base rate
- Suites start at \$339 per night base rate

AMENITIES INCLUDE:

- 1,504 guest rooms and suites offering cutting edge technology bringing the most modern innovations to every room.
- 11 Dining and entertainment options including three (3) signature restaurants featuring well-known highly acclaimed chefs.
- Full service business center
- Expansive poolscapes including a free form pool shaped as a modern abstract version of the Lapidus bow tie design, private Oasis pool, multiple smaller dipping pools, 30 upscale amenity rich cabanas and children's waterscape play area.

HOTEL FEE

A daily hotel fee of \$17.95 is added to your room account and includes the following hotel services:

- Complimentary gym access (\$20 per day value)
- Unlimited internet when accessed through in-room iMac computer (\$16.95 per day value)
- Daily newspaper (available at Front Desk)
- Local and toll free numbered calls
- Complimentary beach chair for each registered guest (\$15 per chair value)

CHECK-IN & CHECK OUT

- Standard check-in time is **4 PM**, however you may process your check-in upon arrival and store your luggage at the Bell Desk until your room is ready. Rooms are guaranteed to be ready after 4pm.
- Standard check-out time is **11 AM**. Please note that late checkout requests are based upon availability on the date of departure. Additional charges may apply.

LOCATION

- 12 miles from Miami International Airport
- 28 miles from Fort Lauderdale International Airport

DIRECTIONS

From Miami International Airport: Take I-195 east to Collins Avenue. Go left on Collins Avenue and the resort is on the right.

From Ft. Lauderdale International Airport and Palm Beach International Airport: Take I-95 South to I-195 east to Miami Beach. Go left on Collins Avenue and the resort is on the right.

*Non-aggressive domestic pets are welcome. \$100 non-refundable cleaning fee required.

*Fontainebleau is a non-smoking hotel. Smoking is permitted at the LIV nightclub and in designated smoking areas outside. There will be a \$250 fee for smoking in the guestroom. * Overnight Valet Parking: \$36 * Roll-Away Fee: \$40 + tax / per day * Cribs: no fee

Leonard M. Miller School of Medicine
Department of Pediatrics
Division of Neonatology
P.O. Box 016960 (R-131)
Miami, Florida 33101

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SAVE THE DATE **MIAMI NEONATOLOGY 2013**

October 30 - November 2 at Fontainebleau Miami Beach, FL