

40th Anniversary International Conference

November 5th - 8th, 2016 Fontainebleau Miami Beach, Florida

Sponsored by the University of Miami - Miller School of Medicine Presented by the Division of Neonatology-Department of Pediatrics www.miamineonatology.com



One Day Pre-Conference Workshop • November 5th, 2016 **ADVANCES IN RESPIRATORY CARE**



UNIVERSITY OF MIAMI MILLER SCHOOL of MEDICINE



GENERAL INFORMATION

OVERVIEW: "Miami Neonatology 2016" 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 2016" will provide attendees with an extensive educational program featuring discussion of 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:

- Assess the developmental progression of perinatal, neonatal and respiratory care of the newborn over the past 4 decades
- Determine the acute and long term impact of viral infections on the neonatal brain
- Examine novel approaches to optimizing nutrition and growth of low birth-weight, premature infants
- Understand the implications of inadequate neonatal nutrition on long-term growth and development
- Apply the most current approaches to the diagnosis, prevention and management of newborn central nervous system insults
- Determine best practices in applying ventilator management to infants with respiratory insufficiency
- Examine the current approach to the safe monitoring and treatment of infants exposed in-utero to chorioamnionitis
- Assess state of the art use of stem cells in both neonatal neurologic and respiratory system insults
- · Assess the current and historical impact of hyperbilirubinemia; its management and long term outcomes

DATES: Saturday, November 5th thru Tuesday, November 8th, 2016

PLACE: Fontainebleau Miami Beach, Florida

ACCOMMODATIONS: DELUXE GUEST ROOMS

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 305-243-2068 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, Perinatologists, Obstetricians, Pediatricians, Physician Assistants, Respiratory Therapists, Nurse Practitioners, Clinical Nurse Specialists, Neonatal Nurses, and other health care professionals within the fields of Neonatology/Perinatology/Pediatrics. Simultaneous Spanish translation will be available.

ACCREDITATION: The 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.

Alexandria Stewart-Scurry RN, MBA is an approved continuing education provider by the Florida Board of Nursing through CE Broker, and her affiliation with the Black Nurses Association-Miami Chapter.

CREDIT DESIGNATION: University of Miami Leonard M. Miller School of Medicine designates this live activity for a maximum of 24.75 AMA PRA Category 1 Credits.^{TVA}. Physicians should claim only the credit commensurate with the extent of their participation in the activity. 6.50 credits in workshop, 18.25 credits in conference.

Nurses will be provided with 17 continuing education units (CEU) for the conference and 3 continuing education units (CEU) for the workshop by the BNA, Black Nurses Association.

DISCLOSURE AND CONFLICT OF INTEREST RESOLUTION STATEMENT: In accordance with the 2004 Updated ACCME Standards for Commercial Support the University of Miami Leonard M. Miller School of Medicine requires everyone in a position to control the content of a Continuing Medical Education activity – the Course Director(s), Planning Committee Members and all individuals participating as speakers, moderators or authors to disclose all relevant financial relationships with any commercial interest. All potential conflicts of interest are identified and resolved prior to the education activity being provided to learners. Disclosure of relevant financial relationship(s) will be provided to learners prior to the beginning of the educational activity.





AVROY A. FANAROFF, M.D.

Emeritus Eliza Henry Barnes Professor of Neonatology Division of Neonatology Rainbow Babies and Children's Hospital Case Western Reserve University School of Medicine Cleveland, Ohio

"Evolution of Neonatology Over the Last 40 Years"



M. JEFFREY MAISELS, M.D.

Chair Emeritus and Professor of Pediatrics Department of Pediatrics Oakland University William Beaumont School of Medicine Director, Academic Affairs Beaumont Children's Hospital Royal Oak, Michigan

"The Evolution of Hyperbilirubinemia "Management Over the Last 40 Years"



ROBERT L. GOLDENBERG, M.D.

Professor of Obstetrics and Gynecology Department of Obstetrics and Gynecology Columbia University Medical Center New York, New York

'Evolution of Perinatology Over the Last 40 Years"



COLIN J. MORLEY, M.D., FRCP, FRCPCH, FRACP

Professor of Pediatrics Honorary Lecturer Royal Women's Hospital University of Melbourne, Australia Department of Obstetrics and Gynecology Cambridge, United Kingdom

"Evolution of Neonatal Respiratory Care Over the Last 40 Vears"

GUEST SPEAKERS MIAMI NEONATOLOGY 2016



LINDA DE VRIES, M.D., Ph.D.

Professor of Neonatal Neurology University Medical Center Utrecht UMC Utrecht Brain Center Rudolf Magnus Utrecht, Netherlands



MICHAEL K. GEORGIEFF, M.D.

Martin Lenz Harrison Land Grant Chair Professor of Pediatrics and the Institute of Child Development Head, Division of Neonatology Vice Chair, Department of Pediatrics University of Minnesota Masonic Children's Hospital Director, Center for Neurobehavioral Development University of Minnesota School of Medicine Duluth, Minnesota



PIERRE GRESSENS, M.D., Ph.D.

Director, Inserm U1141 Robert Debre Hospital Paris, France Professor of Foetal and Neonatal Neurology KCL, London, United Kingdom

WILLIAM W. HAY, JR., M.D.

Professor of Pediatrics (Neonatology) University of Colorado School of Medicine Anschutz Medical Campus Perinatal Research Facility Aurora, Colorado



ALAN H. JOBE, M.D., Ph.D.

Professor of Pediatrics Director, Division of Perinatal Biology University of Cincinnati Department of Pediatrics Cincinnati Children's Hospital Cincinnati, Ohio



NEENA MODI, MB, ChB, M.D., FRCP, FRCPCH, FRCPE

Professor of Neonatal Medicine Imperial College London, Chelsea and Westminster Hospital campus President UK Royal College of Paediatrics and Child Health London, United Kingdom



PETER MOURANI, M.D.

Associate Professor of Pediatrics Pediatric Critical Care Medicine Pediatric Cardiac Critical Care Children's Hospital Colorado Anschutz Medical Campus Aurora, Colorado

WON-SOON PARK, M.D., Ph.D.

Professor of Pediatrics Department of Pediatrics Samsung Medical Center Sungkyunkwan University School of Medicine Seoul, Korea



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



CRISTINA T. NAVARRETE, M.D. Assistant Professor of Pediatrics Division of Neonatology



NELSON CLAURE, MSC, Ph.D. Research Associate Professor of Pediatrics Director, Neonatal Respiratory Laboratory Division of Neonatology



ILENE R. S. SOSENKO, M.D.

Professor of Pediatrics and Obstetrics-Gynecology Director, Neonatal Fellowship Training Program Division of Neonatology



DEEPAK JAIN, M.D. Assistant Professor of Pediatrics Division of Neonatology



SHU WU, M.D. Associate Professor of Pediatrics Director, Neonatal Developmental Biology Laboratory Division of Neonatology



TERESA DEL MORAL, M.D., Ph.D. Associate Professor of Pediatrics Division of Neonatology



KAREN C. YOUNG, M.D.

Associate Professor of Pediatrics Associate Director, Neonatal Fellowship Training Program Division of Neonatology

PROGRAM 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

PRE-CONFERENCE WORKSHOP: "WORKSHOP ON RESPIRATORY CARE"

Saturday, November 5th, 2016

7:00 AM	CONTINENTAL BREAKFAST - REGISTRATION
7:45 AM – 8:00 AM	WELCOMING REMARKS Drs. Eduardo Bancalari and Nelson Claure
8:00 AM – 8:30 AM	"Neonatal monitoring in the delivery room" Colin Morley, M.D.
8:30 AM – 9:00 AM	"Non-invasive respiratory support" Nelson Claure, MSc, Ph.D.
9:00 AM – 9:30 AM	"Why we should use volume targeted ventilation" Deepak Jain, M.D.
9:30 AM – 9:50 AM	DISCUSSION
9:50 AM – 10:10 AM	REFRESHMENT BREAK- EXHIBITS
10:10 AM – 10:40 AM	"Diagnosis and management of pulmonary hypertension in the preterm infant" Peter Mourani, M.D.
10:40 AM - 11:10 AM	"Postnatal steroids to prevent / treat BPD" <i>Alan Jobe, M.D.</i>
11:10 AM - 11:40 AM	"Neonatal brain function monitoring" Linda de Vries, M.D.
11:40 AM - 12:00 PM	DISCUSSION
12:00 PM – 1:15 PM	LUNCHEON - VISIT EXHIBITS
1:30 PM – 4:30 PM	DEMONSTRATION SESSIONS
4:30 PM	ADJOURN

AFTERNOON DEMONSTRATION SESSIONS

1.	Neo	natal	Monito	ring	in	the	delivery room	
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- 2. Non-invasive respiratory support
- 3. Why we should use volume targeret ventilation
- 4. Diagnosis and management of pulmonary hypertension
- 5. Postnatal steroids to prevent / treat BPD
- 6. Neonatal brain function monitoring

Colin Morley, M.D. Nelson Claure, MSc, Ph.D. Deepak Jain, M.D. Peter Mourani, M.D.

Alan Jobe, M.D. Linda de Vries, M.D.

EARLY CONFERENCE REGISTRATION AND RECEPTION

MIAMI NEONATOLOGY 2016

Sunday, November 6th, 2016

7:00 AM	CONTINENTAL BREAKFAST - REGISTRATION
8:00 AM – 8:20 AM	WELCOMING REMARKS Eduardo Bancalari, M.D. and Charles R. Bauer, M.D.
	Moderators: Drs. Eduardo Bancalari and Alan Jobe
8:20 AM – 9:00 AM	KEYNOTE Address "Evolution of perinatology over the last 40 years" Robert L. Goldenberg, M.D.
9:00 AM – 9:30 AM	"Evidence based Neonatology - How solid is the evidence?" Alan Jobe, M.D.
9:30 AM – 9:50 AM	DISCUSSION
9:50 AM – 10:20 AM	REFRESHMENT BREAK - VISIT EXHIBITS
10:20 AM – 10:50 AM	"Early pulmonary vascular disease is a risk factor for BPD and pulmonary hypertension" Peter Mourani, M.D.
10:50 AM - 11:20 AM	"Is mechanical ventilation still a factor in BPD?" Eduardo Bancalari, M.D.
11:20 AM – 12:20 PM	"Expert Panel Discussion - Respiratory issues" Drs. Alan Jobe, Peter Mourani, Eduardo Bancalari
12:20 PM – 1:30 PM	LUNCH - VISIT EXHIBITS Moderators: Drs. Karen Young and Peter Mourani
1:30 PM – 2:00 PM	"The association between the airway microbiome, host response, and clinical factors in mechanically ventilated preterm infants" <i>Peter Mourani, M.D.</i>
2:00 PM – 2:30 PM	"Nutrition and the developing brain" Michael Georgieff, M.D.
2:30 PM – 3:00 PM	"Viral infections and the neonatal brain" Linda de Vries, M.D.
3:00 PM – 3:30 PM	DISCUSSION
3:30 PM – 4:00 PM	REFRESHMENT BREAK - VISIT EXHIBITS
4:00 pm – 4:30 pm	"Brain injury and neuroprotection" Pierre Gressens, M.D.
4:30 PM - 5:00 PM	"Preclinical data on stem cells for neonatal HIE and IVH" Won Soon Park, M.D.
5:00 PM – 5:30 PM	DISCUSSION
5:30 PM	ADJOURN

MIAMI NEONATOLOGY 2016

Monday, November	7 th , 2016	
7:00 AM	CONTINENTAL BREAKFAST	
	Moderators: Drs. Cristina Navarrete and William Hay	
8:00 AM – 8:40 AM	KEYNOTE Address "The evolution of Neonatology over the last 40 years" <i>Avroy Fanaroff, M.D.</i>	
8:40 AM – 9:10 AM	"Why nutrition of the preterm matters - Long term consequences of adverse early nutrition and growth" William Hay, M.D.	
9:10 AM – 9:40 AM	"Cardinal uncertainties in preterm nutrition" Neena Modi, M.D.	
9:40 AM - 10:10 AM	DISCUSSION	
10:10 AM - 10:40 AM	REFRESHMENT BREAK - VISIT EXHIBITS	
10:40 AM – 11:10 AM	"Assessment of neonatal nutrition status: Biomarkers and bioindicators" Michael Georgieff, M.D.	
11:10 AM – 12:10 PM	"Experts Panel Discussion - Nutritional issues" Drs. Michael Georgieff, William Hay, Neena Modi	
12:10 PM – 2:00 PM	LUNCHEON - VISIT EXHIBITS	
	Moderators: Drs. Emmalee Bandstra and Neena Modi	
2:00 PM – 2: 40 PM	KEYNOTE Address "Evolution of neonatal respiratory care over the last 40 years" <i>Colin Morley, M.D.</i>	
2:40 PM – 3:10 PM	"Interventions to reduce neonatal mortality in Sub-Saharan Africa" Robert L. Goldenberg, M.D.	
3:10 PM – 3:40 PM	"Clinical Chorioamnionitis - Neonatal perspectives" Alan Jobe, M.D.	
3:40 PM - 4:10 PM	DISCUSSION	
4:10 PM - 4:40 PM	"Role of neuroinflammation in the encephalopathy of prematurity" <i>Pierre Gressens, M.D.</i>	
4:40 PM – 5:10 PM	"White matter injury in the preterm infant - PVL" Linda de Vries, M.D.	
5:10 PM - 5:40 PM	DISCUSSION	
5:40 PM	ADJOURN	
7:00 PM	COCKTAIL RECEPTION	

MIAMI NEONATOLOGY 2016

Tuesday, November	8 th , 2016
7:00 AM	CONTINENTAL BREAKFAST
	Moderators: Drs. Ilene Sosenko and Michael Georgieff
8:00 AM – 8:40 AM	KEYNOTE Address "The evolution of hyperbilirubinemia management over the past 40 years" <i>M. Jeffrey Maisels, M.D.</i>
8:40 AM – 9:10 AM	"Stem cells and lung injury and repair" Karen Young, M.D.
9:10 AM – 9:40 AM	"Use of stem cells to prevent BPD" Won Soon Park, M.D.
9:40 AM - 10:10 AM	DISCUSSION
10:10 AM - 10:40 AM	REFRESHMENT BREAK - VISIT EXHIBITS
10:40 AM – 11:10 AM	"IUGR and macrosomic phenotypes - How they develop and how they change over time" William Hay, M.D.
11:10 AM – 11:40 AM	"The cardiovascular and metabolic phenotype of the preterm infant in adult life" Neena Modi, M.D.
11:40 AM - 12:00 PM	DISCUSSION
12:00 PM – 12:15 PM	Closing Remarks Drs. Eduardo Bancalari and Charles R. Bauer
12:15 PM	ADJOURN UNTIL "NOVEMBER 2017"

CONFERENCE REGISTRATION FORM

Last Name:	Fi	rst Name:	
Middle Initial:		_Degree:	
Preferred Mailing Address:			
City:	State:	Zip Code:	
Country:	_ E-mail address:		
Contact Telephone (include area	code): ()	🗖 Home 🗖 Office 📮 Cell	
Social Security # (Last 4 Digits Or	ıly):	(Must be provided to receive CME credits)	
Nursing License #		_ (Must be provided to receive CEU credits certificate)	
 I agree to have my email I will utilize complimenta 		ther participants and supporters of this conference. anslation	
PROFESSION: Physician Nurse ARNP Respiratory Therapist Student* Other: Fellow 	 PRACTICE: Private Private-University Affiliated Full-Time Academic University Based 	Obstetrics/Perinatology	

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

CONFERENCE REGISTRATION FEES	Early (Prior to Sept. 30th, 2016)	Regular (Oct.1st – Oct. 28th, 2016)	On-Site (Nov. 5th – 8th, 2016)
Physicians	\$695.00	\$775.00	\$850.00
Students, Nurses, Therapists	\$550.00	\$625.00	\$750.00

*Regular registrations close on Oct. 28th, 2016, Thereafter, on-site registrations will be accepted on a space availability basis.

YOUR TUITION INCLUDES:

- Continental breakfasts
- Refreshment breaks
- Lunches
- CME Credit or Certificate of Attendance
- Wi-Fi access
- Welcome Reception
- Simultaneous Spanish Translation (if desired)
- On-line Program Syllabus

REGISTRATION CANCELLATION POLICY: Refunds will be made only if written notice of cancellation is received prior to October 28, 2016. A \$100 fee is charged for all refunds. After this date, no refunds will be made. In cases where a course is cancelled due to insufficient registrations, a full tuition refund will be made.

REGISTRATION METHOD: Valid form of payment MUST accompany registration

"On-line" (credit cards only) www.miamineonatology.com - 24 hours a day

"Phone" (credit cards only) 1-305-243-2068, Lizbeth Castellano, Mon-Fri 9am - 5pm

"Fax" (credit card or purchase order) 1-305-243-6759

"Mail" (check or credit card)

Cut off date: Friday, October 28.

Make check pa	yable in U.S	. dollars to: Division of Neonatology - University of Miami - Miller School of Medicine
Credit card:	🖵 Visa	Master Card

Card # _____

Expiration Date: ____/___ Billing Zip _____

Print name on card: ______ Signature: _____

Mail to: DR. CHARLES R. BAUER

University of Miami - Miller School of Medicine | Division of Neonatology (C-208) Don Soffer Clinical Research Center | 1120 N.W. 14 Street, Suite 1230 | Miami, Florida 33136 U.S.A.

PRE-CONFERENCE WORKSHOP REGISTRATION FORM

MUST BE REGISTERED FOR MAIN CONFERENCE IN ORDER TO ATTEND WORKSHOP

(Simultaneous Spanish translations offered only during morning lectures)

Last Name:	_ First Name:
Middle Initial:	Degree:
E-mail address:	

DETAILS OF WORKSHOP

Morning lectures will be 30 minutes in duration followed by discussion periods. Workshop sessions will be 60 minutes in duration and will include discussions and practical demonstrations. 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 and clinical experiences. Each discussion/demonstration group will be limited to 25 - 30 participants.

Workshops offered to: Depresent Physicians Depresentation Physicians Depresentation Physicians Depresentation Physician Physician Physician Physician Physician Physician Depresentation Physician P

REGISTRATION FEES: Full Workshop \$250 (Advanced Registration Required) (Lunch is included)

□ Morning Lecture \$175 (8:00 am -11:40 am / Lunch not included)

List in order of preference (from 1 to 6) the afternoon discussion/demonstrations sessions that you would like to attend. You will be assigned three from your priority list on a first come, first basis, depending on availability. ______, ____, _____, ____, _____, _____, _____, _____, _____, _____, ____, _____, ____, _____, ____, ____, ____, ____, ____, _____, ____, _____, _____, ____, _____, ____, ____, ____, ____, ____, ____, ____, _____, _____, _____, _

MIAMI NEONATOLOGY 2016 - WORKSHOP

- 1. Neonatal monitoring in the delivery room
- 2. Non-invasive respiratory support
- 3. Why we should use volume targered ventilation
- Diagnosis and management of pulmonary hypertension
- 5. Postnatal steroids to prevent / treat BPD
- 6. Neonatal brain function monitoring

Afternoon Workshop Demonstrations are limited to 150 Participants First come, first serve. Colin Morley, M.D. Nelson Claure, MSc, Ph.D. Deepak Jain, M.D. Peter Mourani, M.D.

Alan Jobe, M.D. Linda de Vries, M.D.

RESORT INFORMATION

Fontainebleau Miami Beach, 4441 Collins Avenue, Miami Beach, FL 33140

HOTEL RESERVATION INFORMATION

For your convenience, we have reserved a limited block of rooms at **special discounted prices** at the Fontainebleau Miami Beach. Reservations may be secured by calling toll-free 1-800-548-8886. In order to qualify for discounted rates, you **must identify yourself as being with the University of Miami Neonatology Conference** 2016. Reservations may also be made online at: https://resweb.passkey.com/go/NEON1116. Discounted rates are available until October 24, 2016 or until the reserved block is sold out. Due to the hotel's popularity, we encourage you to make your reservation early.

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

ROOM RATES:

- Guest Rooms start at \$289 per night base rate
- Suites start at \$379 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 pool escapes 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 \$24.95 plus 14% tax is added to your room account and includes the following hotel services:

- Guest room wired or wireless high speed internet access or through the in-room iMac computer
- Unlimited toll-free and local calls (305, 954, and 786)
- Pool chairs
- Use of Gym for registered guests in the room
- Newspaper daily (Available at the Front Desk) Note: Beach chairs and umbrellas are available for additional fees

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 4 pm.
- 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.

Non-aggressive domestic pets (up to 50 pounds) 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 guest noom.

Overnight Valet Parking: \$42.00 + 14% tax (per day). Roll-Away Fee: \$45 + 14% 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

<u>40</u>^m International Conference

November 5th - 8th, 2016 Fontainebleau Miami Beach, Florida

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Save the Date: MIAMI NEONATOLOGY 2017 - 41st International Conference - November 11th - 15th, 2017 to be held at the Loews Hotel on Miami Beach! • www.miamineonatology.com