

NEONATOLOGY TODAY

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SPECIAL NEO 2013 PREVIEW ISSUE

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Preview of NEO: The Conference for Neonatology, February 21st- 24th, Hilton Orlando Bonnet Creek, Orlando, FL, USA

By Alan R. Spitzer, MD

Dear Colleagues,

We are excited to once again highlight the *Seventh Annual NEO: The Conference for Neonatology* in this special edition of *Neonatology Today*. NEO started seven years ago as an extensive revamping of the former *Management of the Tiny Baby Conference*, which ran for 28 years and was considered one of the legendary meetings in neonatal medicine. NEO now has also become one of the major annual conferences in neonatology, highlighted by the extraordinary *Legends of Neonatology* evening. The line-up for this year's meeting is one of the best that we have attracted to date, with a wide range of topics and world-renowned speakers who will address many of the most critical and controversial issues that are affecting the clinical practice of Newborn Medicine in the rapidly changing environment of health care. Also, because of its great success last year, we are continuing the simultaneous translation of the meeting into Spanish, and are looking forward to the ongoing expansion of our international audience for the event.

As usual, the meeting starts with a *Pre-Conference Day* dedicated to Quality Improvement in Neonatology. The Maintenance of Certification (MOC) Program of the American Board of Pediatrics now consists of four parts, with Part Four being devoted to the demonstration of meaningful participation in quality improvement. In addition, the HITECH Act (Health Information



Technology for Economic and Clinical Health Act) has made meaningful use of the electronic health record as a primary feature of modern medical care. So that participants can better appreciate and utilize the methodology of quality improvement and begin to develop the goals of meaningful use, Wednesday, February 20th, will be devoted to a full day Pre-Conference Session on this timely issue. Once again led by Dan Ellsbury, MD, and Robert Ursprung, MD, two national trailblazers in neonatal CQI, this pre-conference session is ideally suited to preparing the clinician for developing sound quality improvement initiatives in the NICU. Dr. Daniel Ellsbury and I edited the recent March 2012 issue of *Clinics in Perinatology* that was devoted to evidence-based pharmacotherapy in neonatal medicine.

The main conference starts on Thursday, February 21st, 2012, and runs through Sunday, February 24th. Major themes of this year's meeting in-

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clude: Breathing Easier—New Approaches to Neonatal Respiratory Care; Advances in Fetal Evaluation and Testing, Pharmacology and Therapeutic Intervention; Ethical Considerations in the NICU; Neonatal Nutrition 2013; and Complications of NICU Care—Management Controversies and Prevention Standards. In each of these sessions, many of the foremost experts in the country will address the topics for which they have become renowned.

One of the other unique features of the *NEO Conference* is the annual “*Legends of Neonatology*” presentation. Starting in 2007 at the first *NEO Conference*, we have made an effort to acknowledge and show our appreciation to some of the most legendary figures in the history of neonatology. Winners of the *Legends Award* essentially constitute a ‘Hall of Fame’ for Newborn Medicine, and prior recipients include: Mildred Stahlman, Maria Delivoria-Papadopoulos, Mary Ellen Avery, Lu-Ann Papile, Avroy Fanaroff, Marshall Klaus, Jerold Lucey, Robert Bartlett, Stanley Dudrick, George Gregory, John Clements, Forrest Bird, William Norwood, William Oh and Abraham Rudolph. This year’s honorees will be Lilly Dubowitz, MD, who pioneered our understanding of gestational age determination in the premature neonate, Jeffrey Maisels, MB, BCh, DSc, who has taught much about bilirubin metabolism and the risks of hyperbilirubinemia, and Jen-Tien Wung, MD, whose legendary approach to respiratory care of the neonate has dramatically changed the approach to lung disease in the newborn. The work of these amazing individuals represents some of the primary reasons why outcomes for critically-ill infants have improved so dramatically in the last few decades. As Course Director for *NEO*, I will review the history leading up to the contributions of these “Legends” and show how their work has become the core upon which much of modern newborn medicine is founded. This night is always a very special event and a highlight of the meeting that attendees should not miss!

This year’s event at the incredible Hilton Orlando Bonnet Creek will be one of the foremost programs of the year in neonatology. The *NEO Conference* is run alongside another great meeting in Newborn Medicine—*Specialty Review in Neonatology* (www.specialtyreview.com)—for individuals looking for a broader review of the field of neonatology. We very much hope that you can join us for one of these meetings and promise you an educational experience that you will not soon forget.

For more details, please visit the *NEO Conference* website at: www.neoconference.com.



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**FEBRUARY 20 - WEDNESDAY SESSION
NEO CQI PRE-CONFERENCE AGENDA**

Moderated by Dr. Dan Ellsbury and Dr. Robert Ursprung

8:00-9:00 am - Breakfast

9:00-9:30 am - Quality Improvement and Maintenance of Certification in Pediatrics

9:30-10:30 am - How to Improve: Basic Techniques

10:30-11:00 am - Break

11:00 am-11:45 am - Reducing Catheter Associated Infections

11:45 am-12:30 pm - Reducing Necrotizing Enterocolitis

12:30-1:30 pm - Lunch

1:30-2:00 pm - Reducing Retinopathy of Prematurity

2:00-2:30 pm - Improving Admission Thermal Management

2:30-3:00 pm - Decreasing Bronchopulmonary Dysplasia

3:00-3:30 pm - Optimizing NICU Medication Use

3:30-4:00 pm - Break

4:00-4:30 pm - Improving Antibiotic Stewardship

4:30-5:00 pm - Creating a Culture of Quality and Safety

5:00 pm - Adjourn

6:00-8:00 pm - Welcome Reception and Exhibits Open



Please visit www.neoconference.com for up-to-date program changes.

CME / CNE INFORMATION

CQI PRE-CONFERENCE DAY ACCREDITATION

CME Accreditation: The MEDNAX Center for Research, Education and Quality is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The MEDNAX Center for Research, Education and Quality designates this live activity for a maximum of 5.5 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

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NEO ACCREDITATION

CME Accreditation: The MEDNAX Center for Research, Education and Quality is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The MEDNAX Center for Research, Education and Quality designates this live activity for a maximum of 19.5 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

CNE Accreditation: The MEDNAX Center for Research, Education and Quality is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. This educational activity offers 19.5 continuing nursing education (CNE) contact hours (Rx 6.25).



“The NEO Conference is run alongside another great meeting in Newborn Medicine—Specialty Review in Neonatology—for individuals looking for a broader review of the field of neonatology.”



**FEBRUARY 21 - THURSDAY MORNING SESSION
BREATHING EASIER—
NEW APPROACHES TO RESPIRATORY SUPPORT**

7:00-8:00 am - Breakfast and Exhibits

8:00-8:15 am - Welcome and Announcements

8:15-9:15 am - Conventional Versus High Frequency Ventilation - Reese Clark, MD

9:15-10:15 am - Non-Invasive Respiratory Management of the Neonate - Eduardo Bancalari, MD

10:15-10:45 am - Break and Exhibits

10:45-11:45 am - The Pharmacology of Chronic Pulmonary Hypertension - Steven Abman, MD

11:45 am-12:45 pm - Hazards and Uses of Post-Natal Steroids - David Burchfield, MD

12:45-2:00 pm - Lunch and Exhibits



**FEBRUARY 21 - THURSDAY AFTERNOON SESSION
NEW ADVANCES IN FETAL EVALUATION & TESTING**

2:00-2:45 pm - Genomics in Perinatal Care - Joann Bodurtha, MD

2:45-3:30 pm - Non-Invasive Fetal Testing - Richard Porreco, MD

3:30-4:00 pm - Break and Exhibits

4:00-4:45 pm - Perinatal Evaluation and Management of Growth Restriction - Thomas Garite, MD



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QUOTES FROM LAST YEAR'S NEO

"As a first year fellow, the material presented allowed me to think in a more complex way regarding different patient problems."

"This conference was quite different from other neonatal conferences I have attended before. I enjoyed all the lectures and found the topics are relevant to my clinical practices and quite up-to-date. The speakers were very concise and precise with their presentation of the material. Thank you for organizing this conference. Great work!"

"Loved the Gala!"

"I wanted to express my thanks for the special considerations this year, especially the simultaneous translation! Also, congratulations to Dr. Alan Spitzer on a superb presentation at the Legends of Neonatology Hall of Fame Dinner."

"Fantastic group of speakers and topics this year."

"One of the best conferences I have attended and the content was outstanding! I have been attending this conference for the past 14 years (previously the Tiny Baby conference) and I am still impressed."

"Food and refreshments that were offered were far superior to most any conferences I have attended (as always: NEO rocks)."

"Thank you for offering the meals at this conference; this kept the personal additional expense of food to a minimum."

"Overall, I thought the speakers were very good, I appreciated the fact that so many topics were covered and at times complimented each other."

"Very well-organized conference. Impressive presentations."

"The organization of the conference was fantastic. The speakers amazing!"

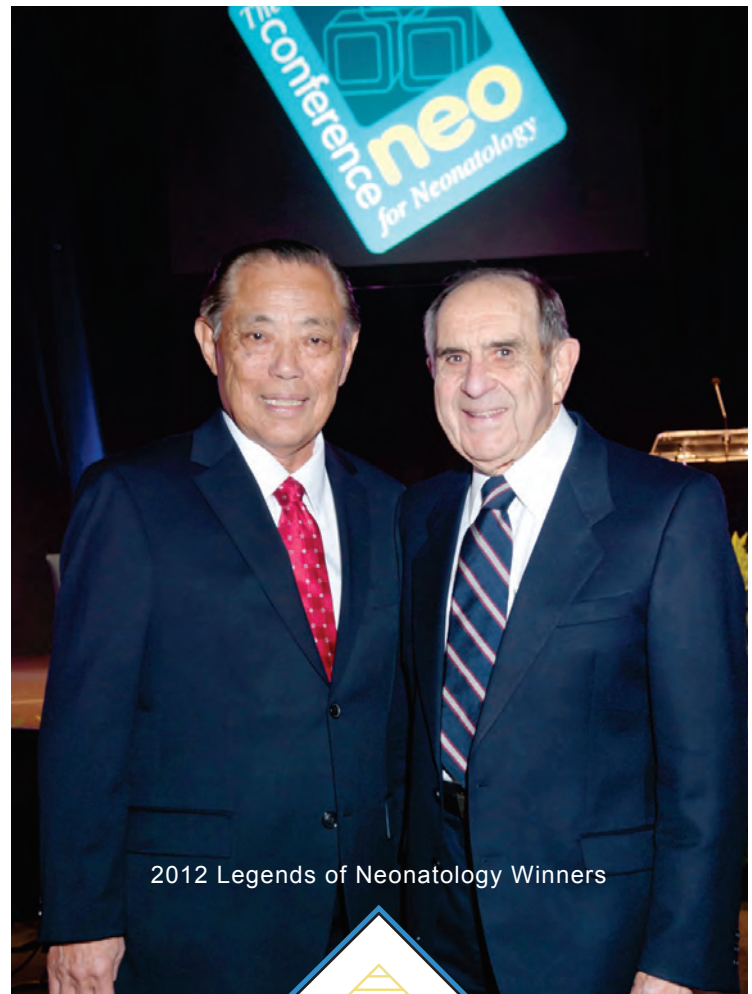
"The electronic syllabus was excellent and, when downloaded, could be referred to during the lectures."

"Wonderful speakers that present both review and cutting edge/hot topic information; overall the best conference I've been to in many years; Thank you!"

"The information was advanced and updated with current trends. Approach was based on 'what you would want to know.' Speakers were awesome. Location was perfect!!!"

"The gala was great as usual!"

"One of the other unique features of the NEO Conference is the annual "Legends of Neonatology" presentation. Starting in 2007 at the first NEO Conference, we have made an effort to acknowledge and show our appreciation to some of the most legendary figures in the history of neonatology. Winners of the Legends Award essentially constitute a 'Hall of Fame' for Newborn Medicine..."



**FEBRUARY 22 - FRIDAY MORNING SESSION
PHARMACOLOGY & THERAPEUTIC INTERVENTIONS**

7:00-8:00 am - Breakfast and Exhibits

8:00-8:15 am - Welcome and Announcements

8:15-9:15 am - Caffeine Use and Outcomes in the NICU
- *Barbara Schmidt, MD*

9:15-10:15 am - The Management of Neonatal Pain - *R. Whit Hall, MD*

10:15-10:45 am - Break and Exhibits

10:45-11:45 am - Limiting Antibiotic Exposure in the NICU
- *Danny Benjamin, MD*

11:45 am-12:45 pm - Neonatal Abstinence Syndrome (NAS) and the NICU - *Estelle Gauda, MD*

12:45-2:00 pm - Lunch and Exhibits



**FEBRUARY 22 - FRIDAY AFTERNOON SESSION
SEMINARS IN NEONATOLOGY—
ETHICAL CONSIDERATIONS IN THE NICU**

2:00-2:45 pm - The Baby at Borderline Viability—Is Anything Changing? - *William Meadow, MD*

2:45-3:30 pm - Assisting Parents with Difficult Decisions in the NICU: Ethical Considerations - *Mark Mercurio, MD*

3:30-4:15 pm - When is the Standard of Care Standard?
- *Jonathan Fanaroff, MD*

7:00-10:30 pm - Legends of Neonatology Gala - Award Ceremony

Honorees:

- Lilly Dubowitz, MD, MRCP, FRCP
- Jeffrey Maisels, MB, BCh, DSc
- Jen-Tien Wung, MD, FCCM



**FEBRUARY 23 - SATURDAY SESSION
NEONATAL NUTRITIONAL CONSIDERATION 2013**

7:00-8:00 am - Breakfast and Exhibits

8:00-8:15 am - Welcome and Announcements

8:15-9:15 am - The Impact of Growth on Neonatal Outcome
- Richard Ehrenkranz, MD

9:15-10:15 am - Nutrition and the Neonate—Are We Sure About What We Are Feeding Babies? - Alan Spitzer, MD

10:15-10:45 am - Break and Exhibits

10:45-11:45 am - Breast Milk Use in the NICU—Is It Safe, Is It Adequate? - Paula Meier, DNSc, RN

11:45 am-12:45 pm - The Refluxing Premie—Is This a Problem? - Richard Martin, MD

12:45-2:00 pm - Lunch and Exhibits



**FEBRUARY 24 - SUNDAY SESSION
COMPLICATIONS OF NICU CARE - MANAGEMENT
CONTROVERSIES & PREVENTION STRATEGIES**

7:00-8:00 am - Breakfast and Exhibits

8:00-8:15 am - Welcome and Announcements

8:15-9:00 am - Decreasing CVL Infection - Marty McCaffrey, MD

9:00-9:45 am - Reducing Bronchopulmonary Dysplasia—Is This Possible? - Namasivayam Ambalavanan, MD

9:45-10:00 am - Break

10:00-10:45 am - Necrotizing Enterocolitis - Martin Blakely, MD

10:45-11:30 am - Retinopathy of Prematurity - Dale Phelps, MD

11:30 am-12:00 pm - Final Comments



“...because of its great success last year, we are continuing the simultaneous translation of the meeting into Spanish and are looking forward to the ongoing expansion of our international audience for the event.”

Don't forget to save the date for the 2014 meeting!

NEO: The Conference for Neonatology

February, 20-23, 2014

NEO CONFERENCE PLANNING COMMITTEE & NEO CONFERENCE GUEST FACULTY

NEO CONFERENCE PLANNING COMMITTEE

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David Burchfield, MD

Professor and Chief of Neonatology
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Robert Ursprung, MD

Pediatrix Medical Group, Inc.
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Please visit www.neoconference.com for up-to-date program changes.



The Legends of Neonatology 2013 Honorees



Drs. Lilly M. Dubowitz, M. Jeffrey Maisels and Jen-Tien Wung will be inducted to the *Legends of Neonatology Hall of Fame*, which was established in 2007. These 2013 award recipients have contributed much to the care of the critically ill neonate.



Lilly Dubowitz, MD, MRCP, FRCP was born in 1930 in Budapest, Hungary, and received her baccalaureate in Budapest in 1948. She originally enrolled in the engineering faculty to study mechanical engineering; this effort was rather short-lived, as her mother wished her to join her surviving family from Vienna, who emigrated at the outset of the war to Shanghai and after the war to Australia. Following her arrival in Australia, she decided to switch to Medicine and was able to do so with the help of a scholarship. After qualifying in

Medicine in 1956, and after her initial house jobs, she was sent for further training in endocrinology to London in 1958. Not long after her arrival, a chance encounter with the man who subsequently became her husband, led her to change course again. Soon after her marriage, her husband was offered a very attractive job in the Department of Child Health in Sheffield. There she encountered some administrative difficulties in transferring her MRC research grant, so she decided to fill in some time accepting a short-term senior resident post in Pediatrics. She became "hooked" on the subject and as they say, the rest is history. Under the tutelage of Professor Illingworth she developed a strong interest in Infant Development.

Dr. Dubowitz soon found working with neonates was a very suitable field and, as she was never certain of her own infants' gestational age, work on this subject had great appeal. This effort began her research into gestational age and neurological assessment, a subject which she has explored for the last 40 years. Her eminent husband, Victor Dubowitz, also shared this interest so they were able to work together. The 1970 publication of the "Assessment of Gestation in Newborn Infants" in the *Journal of Pediatrics* attracted instant attention and wide application, and soon became known as the Dubowitz Score. In the USA she was even "verbalized" to "Have you Dubowitzed the baby!" The scoring charts were translated into many languages and the system was adopted worldwide, including many underdeveloped countries where the mothers' dates were often uncertain, and where it was important to distinguish the dates for the nutritionally-small infant vs. the premature infant. The original publication became a Citation Classic.

Subsequent to the work on gestational age, she concentrated on developing practical schemes and charts for the neurological status of preterm and full term infants and also their subsequent evolution. For this work, Dr. Lilly Dubowitz is being cited as a "Legend of Neonatology."



M. Jeffrey Maisels, MB, BCh, DSc received his medical degree at the University of the Witwatersrand in Johannesburg, South Africa. He moved to the United States in 1966 and completed his residency training in Pediatrics at the Boston Children's Hospital and his subspecialty training in Neonatal-Perinatal medicine at the Harvard Medical School, Laboratory for Neonatal Research, Boston Lying-In Hospital, where he performed his first studies on neonatal jaundice. From 1969-71 he

was a research hematologist and Lieutenant Colonel in the US Army Medical Corps at the Walter Reed Army Institute of Research, and from 1972-86 he was Chief of the Division of Newborn Medicine and Professor of Pediatrics at the Milton S. Hershey Medical Center of the Pennsylvania State University College of Medicine, Hershey, Pennsylvania. In 1986 he became Chairman of the Department of Pediatrics, William Beaumont Hospital, and is currently Professor and Chair, Department of Pediatrics of the new Oakland University William Beaumont School of Medicine and Physician-In-Chief, Beaumont Children's Hospital. Dr. Maisels has served as a member of the Committee on Fetus and Newborn of the American Academy of Pediatrics and as Chairman of the Sub-Board Neonatal / Perinatal Medicine of the American Board of Pediatrics. From 1997-2006 he was an associate editor of the *Yearbook of Neonatal and Perinatal Medicine* and he currently serves on the editorial board of *Pediatrics*. Dr. Maisels is recognized internationally for his studies in neonatal jaundice and his publications on this topic which extend over 40 years. He is the author or co-author of over 200 research publications and chapters in books and he recently co-edited a book entitled "Care of the Jaundiced Neonate." He is the recipient of the Douglas K. Richardson Award of The Society for Pediatric Research for lifetime contributions to pediatric research and the 2007 Virginia Apgar Award of the American Academy of Pediatrics for contributions to perinatal medicine.



Jen-Tien Wung, MD, FCCM is a Professor of Clinical Pediatrics at Columbia University, New York, and a neonatal intensivist where he has directed respiratory care at the Columbia NICU since 1974. He received his medical degree from Taipei Medical University in 1966. He came to the United States shortly afterward and did his residencies in Obstetrics-Gynecology and Anesthesiology, and a fellowship in combined pediatrics and neonatal intensive care medicine at Columbia in

1973. Dr. Wung is board certified in Critical Care medicine and anesthesiology. Dr. Wung is best known for having pioneered: (1) nasal CPAP therapy, (2) gentler and kinder ventilation with preservation of spontaneous breathing and permissive hypercarbia, (3) the management of infants with persistent pulmonary hypertension of neonate (PPHN) without hyperventilation, (4) the management of infants with congenital diaphragmatic hernia using gentle ventilation, delayed surgery and no prophylactic chest tubes, (5) the use of Laryngeal Mask Airway (LMA) for infants with Pierre Robin Sequence and (6) technique of one-lung ventilation in neonates. His novel thinking on ventilatory care has truly made him legendary among neonatologists. He has had Visiting Professorships and given numerous Invited Lectures, delivering over 200 lectures related to neonatal respiratory care in over 20 countries. He has written 54 peer-reviewed articles and book chapters. He has won numerous awards, including the "Thank God for Jen Wung Award" from the Neonatal Parents' Support Network in 1995, "The First Annual Physician of the Year Award" from the Department of Nursing in 2000, the Distinguished Citizen Award (in Medicine) from hometown I-Chu, Chia-Yi, Taiwan, in 2000, and Outstanding Achievement Award from American Chinese Medical Association of New Jersey in 2005. A videotape "Respiratory Management of Neonatal RDS," was awarded the first prize in the *2nd International Video Congress* "The Newborn through Pictures" in Turin, Italy, in 1989.

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Neonatology Hall of Fame Past Honorees

Virginia Apgar (deceased)
Mary Ellen Avery

Robert Bartlett
Forrest M. Bird
John A. Clements
Maria Delivoria-Papadopoulos
Stanley J. Dudrick

Avroy Fanaroff
George Gregory
Marshall Klaus
Jerold Lucey
William Norwood

William Oh
Lucille Ann Papile
Abraham M. Rudolph
Mildred Stahlman

WHAT IS INCLUDED IN YOUR NEO CONFERENCE REGISTRATION?

| | CQI | NEO Options | | | | | |
|--------------------------------------|--------------|-------------|----------|---------------------|---------------------|---------------------|---------------------|
| | CQI Day Only | NEO and CQI | NEO Only | NEO Single Day Thu. | NEO Single Day Fri. | NEO Single Day Sat. | NEO Single Day Sun. |
| WEDNESDAY - FEBRUARY 20, 2013 | | | | | | | |
| CQI Day Classroom Participation* | • | | | | | | |
| Breakfast | • | • | | | | | |
| AM Break | • | • | | | | | |
| Lunch | • | • | | | | | |
| PM Break | • | • | | | | | |
| Welcome Reception | • | • | • | | | | |
| THURSDAY - FEBRUARY 21, 2013 | | | | | | | |
| NEO Day Classroom Participation* | | • | • | • | | | |
| Breakfast | | • | • | • | | | |
| AM Break | | • | • | • | | | |
| Lunch | | • | • | • | | | |
| PM Break | | • | • | • | | | |
| FRIDAY - FEBRUARY 22, 2013 | | | | | | | |
| NEO Day Classroom Participation* | | • | • | | • | | |
| Breakfast | | • | • | | • | | |
| AM Break | | • | • | | • | | |
| Lunch | | • | • | | • | | |
| PM Break | | • | • | | • | | |
| Legends of Neonatology Gala** | | • | • | | \$80** | | |
| SATURDAY - FEBRUARY 23, 2013 | | | | | | | |
| NEO Day Classroom Participation* | | • | • | | | • | |
| Breakfast | | • | • | | | • | |
| AM Break | | • | • | | | • | |
| Lunch | | • | • | | | • | |
| SUNDAY - FEBRUARY 24, 2013 | | | | | | | |
| NEO Day Classroom Participation* | | • | • | | | | • |
| Breakfast | | • | • | | | | • |
| AM Break | | • | • | | | | • |

* Tuition includes access to all courses, course syllabus and free CME / CNE credit processing for courses completed.

** Legends Gala includes: reception, dinner and award ceremony. Legends Gala is complimentary for full conference registrants only (not single day). Guests of registrants and single day participants may purchase a ticket for \$80.

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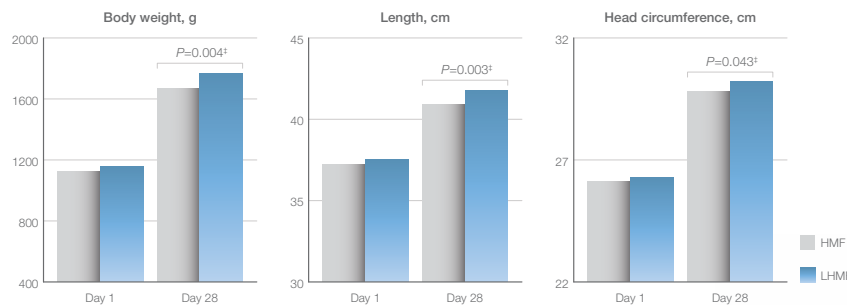


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