

5<sup>TH</sup> INTERNATIONAL CONFERENCE  
**Neonatal & Childhood  
Pulmonary Vascular  
Disease**

FRIDAY - SATURDAY

**March 9-10, 2012**

Hotel Nikko

San Francisco, California



**CALL FOR ABSTRACTS**  
SUBMIT BY FEBRUARY 14, 2012



**STOLLERY  
CHILDREN'S  
HOSPITAL**  
Edmonton



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**ALBERTA**



**UCSF Benioff Children's Hospital**



# 5<sup>TH</sup> INTERNATIONAL Neonatal & Childhood Pulmonary Vascular Disease Conference

Hotel Nikko  
San Francisco, CA

Over the past decade, great strides have been made in our understanding of the pathobiology of pulmonary vascular disease, and from these findings new therapeutic options have emerged. It is increasingly clear that pulmonary vascular pathology is integral to a number of childhood disorders. In this symposium, we will bring together international experts to explore our current understanding of the basic pathobiology as well as new and future therapies for neonatal, pediatric, and adult pulmonary vascular diseases.

## TARGET AUDIENCE

Pediatric and Adult Pulmonologists, Cardiology and Critical Care Physicians, Neonatology Physicians, and Advanced Practice Nurses.

## EDUCATIONAL OBJECTIVES

The purpose of this course is to increase competence and improve clinician practice in childhood pulmonary vascular disease. We specifically anticipate improvements in skills and strategies to:

- recognize the acute presentation and treatment of neonatal and childhood pulmonary hypertensive disease in the ICU setting;
- apply surgical and interventional approaches to pulmonary vascular disease;
- discuss nursing aspects particular to the care of neonates, infants, and children with pulmonary vascular disease;
- diagnosis and treatment of unusual forms of neonatal and childhood pulmonary vascular disease;
- apply new knowledge of the developmental vascular biology of neonatal pulmonary vascular disease to increase early detection of the pathology in children less than six months of age;
- utilize established and emerging therapies for neonatal and childhood pulmonary vascular disease and assess the complex pharmacology of selected therapies;
- recognize and compassionately respond to the family and patient perspective of childhood pulmonary vascular disease;
- identify prenatal predictors of postnatal lung and vascular hypoplasia.

## ABSTRACTS

Abstract submissions are requested by February 14, 2012. All submissions must adhere to guidelines posted on our website: [www.cme.ucsf.edu](http://www.cme.ucsf.edu).

All posters should present original, scientific work. Chosen abstracts will be presented in a poster session on March 10 and three submissions will be selected for presentation to the General Session. Registration fees will be waived for top abstracts submitted by young investigators.

## ACCREDITATION

The University of California, San Francisco School of Medicine (UCSF) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

UCSF designates this live activity for a maximum of **18.00 AMA PRA Category 1 Credit(s)**<sup>™</sup>.

Physicians should only claim credit commensurate with the extent of their participation in the activity.

This CME activity meets the requirements under California Assembly Bill 1195, Continuing Education and Cultural and Linguistic Competency.

**Nurses:** For the purpose of recertification, the American Nurses Credentialing Center accepts *AMA PRA Category 1 Credit*<sup>™</sup> issued by organizations accredited by the ACCME.

**Pharmacists:** The California Board of Pharmacy accepts as continuing professional education those courses that meet the standard of relevance to pharmacy practice and have been approved for *AMA PRA Category 1 Credit*<sup>™</sup>.

## Family Physicians

Application for CME credit has been filed with the American Academy of Family Physicians.

## Determination of credit is pending.

**Nursing:** For the purpose of recertification, the American Nurses Credentialing Center accepts *AMA category 1 credit* for the PRA for organizations accredited by the ACCME.

March 9-10, 2012

**FRIDAY, MARCH 9, 2012**7:00 am *Registration and Continental Breakfast*7:45 **Welcome and Opening Remarks****SESSION 1: CICU and the Pulmonary Vasculature****MODERATORS: Dr. David Wessel and Dr. Peter Oishi**

8:00	<b>Pulmonary Vasodilator Treatments in the ICU Setting</b>	Dr. Lara Shekerdeman
8:30	<b>Special Anesthetic Considerations in the Assessment and Management of the Child with Pulmonary Hypertensive Vascular Disease</b>	Dr. Chandra Ramamoorthy
9:00	<b>Evaluation and Treatment of Low Cardiac Output Syndrome, Right Ventricular Dysfunction, and Cardiopulmonary Interactions</b>	Dr. Daniel J. Penny
9:30	<b>Assessment and Management of Pulmonary Hypertensive Vascular Disease Complicating ARDS and Intercurrent or Non-Cardiac Illness</b>	Dr. Desmond Bohn
10:00	<i>Break</i>	
10:15	<b>Surgical Approaches to Advanced Pulmonary Vascular Disease</b>	Dr. William Novick
10:45	<b>The Role of Balloon Atrial Septostomy in the Management of Childhood Pulmonary Hypertensive Vascular Disease</b>	Dr. Ingram Schulze-Neick

**SESSION 2: Nursing Aspects of Pulmonary Hypertension****MODERATOR: Lori Fineman, RN**

11:15	<b>The Patient Experience</b>	
11:30	<b>Initial Evaluation of the Child with Pulmonary Arterial Hypertension from a Nursing Perspective</b>	Michelle Ogawa, NP
11:55	<b>The Patient Experience</b>	
12:10 pm	<b>Subcutaneous Treprostinil: Practical Aspects to Ensure Success</b>	Darcy Farrel
12:35	<b>The Patient Experience</b>	
12:50	<b>Transitioning the Adolescent Patient to an Adult Program: Trials and Tribulations</b>	Janette T. Reyes, NP, MS
1:15	<i>Lunch (Included with Tuition)</i>	

**PLENARY SESSION**

2:30	<b>The Effective Treatment of Patients with Pulmonary Hypertension: The Next Chapter</b>	Dr. Stuart Rich
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**SESSION 3: Unusual Abnormalities of the Pulmonary Vasculature****MODERATORS: Dr. Tilman Humpl and Dr. Usha Raj**

3:15	<b>Alveolar Capillary Dysplasia</b>	Dr. Robin H. Steinhorn
3:45	<b>Pulmonary Veno-Occlusive Disease/Pulmonary Capillary Hemangiomatosis</b>	Dr. Mary Mullen
4:15	<i>Break</i>	
4:30	<b>Understanding the Vasculature in Pulmonary Atresia Ventricular Septal Defect with Aortopulmonary Collateral Arteries</b>	Dr. Frank L. Hanley
5:00	<b>Lung Biopsy in the Diagnosis of Pulmonary Hypertensive Vascular Disease in Neonates and Infants</b>	Dr. Rubin Tuder
5:30	<b>MRI Assessment of the Pulmonary Vasculature</b>	TBA
6:00 pm	<b>PRO/CON Debate</b>	
6:30pm	<i>Adjourn</i>	

**CONFERENCE LOCATION**

The Hotel Nikko is walking distance from Powell Street BART station, the historic Cable Car Turnaround, the Westfield San Francisco Shopping Center, San Francisco's famed Union Square, Yerba Buena Gardens, San Francisco Museum of Modern Art, Theater District, and San Francisco's culinary hub at the Ferry Building.

A block of guestrooms has been reserved at the special UCSF conference rate of **\$229** per night. You are urged to make your reservations early. The cut off date is February 16, 2012, or until the group room block is filled. After this date, rooms will be provided on a space-available basis only. If you prefer to phone in your reservation, please identify yourself as a member of this conference to receive the special rate.

general info

## SATURDAY, MARCH 10, 2012

7:15 am *Continental Breakfast*

### SESSION 4: Neonatal Lung Disease and Pulmonary Vascular Alterations

**MODERATORS:** Dr. Roberta Keller and Dr. Bernard Thébaud

- |       |  |                       |
|-------|--|-----------------------|
| 8:00  | <b>Endothelial Progenitor Cells: Therapeutic Implications</b>                                  | Dr. David Ingram      |
| 8:30  | <b>Pulmonary Stem Cell Populations: Therapeutic Implications</b>                               | Dr. Kurt Stenmark     |
| 9:00  | <b>Distal Effects of NO Donors</b>   | Dr. Arlin Brice Blood |
| 9:30  | <b>Late Effects of Neonatal Lung Injury</b>  | Dr. Kurt Albertine    |
| 10:00 | <b>The Pulmonary Vasculature in Neonatal Lung Disease: Where We Are and Where We Are Going</b> | Dr. Neil Finer        |
| 10:30 | <i>Break</i>   |                       |

### SESSION 5: Drug Treatment for Pulmonary Vascular Disease

**MODERATORS:** Dr. Brian Hanna and Dr. Thomas Kulik

- |          |  |                             |
|----------|--|-----------------------------|
| 10:45    | <b>Subcutaneous Treprostinil in the Treatment of Pulmonary Vascular Disease</b>                                      | Dr. Maria Jesus del Cerro   |
| 11:15    | <b>Inhaled Therapies in the Treatment of Infants and Young Children with Pulmonary Hypertensive Vascular Disease</b> | Dr. Dunbar Ivy              |
| 11:45    | <b>Oral Therapies for Pulmonary Hypertensive Vascular Disease</b>  | Dr. Erika Berman Rosenzweig |
| 12:15 pm | <b>Intravenous Therapies for Pulmonary Hypertensive Pulmonary Hypertensive Vascular Disease</b>                      | Dr. Robyn Barst             |
| 12:45    | <i>Lunch (Included with Tuition)</i>   |                             |

1:45 – **CONCURRENT SESSIONS:**

- |      |   |  |
|------|---|--|
| 3:00 | <b>5A: Original Research</b> – Abstracts, Posters, and Presentations<br>MODERATORS: Dr. Stephen Archer and Dr. Sanjeev Datar  |  |
|      | <b>5B: Family Session</b> – Special Issues Faced By Families Living with Pulmonary Hypertension • MODERATOR: Jennifer Gendron |  |

3:00 *Break*

### SESSION 6: Potpourri

**MODERATORS:** Dr. Tilman Humpl and Dr. John P. Kinsella

- |      |  |                    |
|------|--|--------------------|
| 3:15 | <b>Experimental Rationale for New and Emerging Therapies of Pulmonary Hypertensive Vascular Disease</b>  | Dr. Stephen Archer |
| 3:45 | <b>Novel Approaches to the Evaluation of Pulmonary Vascular Disease</b>                                  | Dr. Marilyn Levy   |
| 4:15 | <b>Epidemiology of Neonatal and Childhood Pulmonary Hypertensive Vascular Disease in the Netherlands</b> | Dr. R.M.F Berger   |
| 4:45 | <i>Break</i>   |                    |

### SESSION 7: Prenatal Predictors of Post Natal Lung Hypoplasia

**MODERATORS:** Dr. Lisa Hornberger and Dr. Anita Moon-Grady

- |         |  |                   |
|---------|--|-------------------|
| 5:00    | <b>Fetal Conditions Associated with Lung Hypoplasia, Etiology and Outcomes</b>         | Dr. Gregory Ryan  |
| 5:15    | <b>Prenatal Predictors of Postnatal Lung Hypoplasia Ultrasound and Echo Assessment</b> | Dr. Jan Deprest   |
| 5:45    | <b>Prenatal Predictors of Postnatal Lung Hypoplasia: MRI Assessment</b>                | Dr. Ravi Bhargava |
| 6:15    | <i>Wrap Up and Closing Remarks</i>   |                   |
| 6:30 pm | <i>Adjourn</i>   |                   |

# program

#### CONFERENCE LOCATION (CONT'D)

To make hotel reservations on-line, go to [www.hotelnikkosf.com](http://www.hotelnikkosf.com), use the booking code: SUCCCC. If you prefer to telephone in your reservation, call (415) 394-1111, and identify yourself as a member of this UCSF conference to receive the special rate.

By staying at the host hotel, you help UCSF meet its contractual obligations and keep registration fees reasonable.

#### ADDITIONAL TRAVEL INFORMATION:

For rental car and air transportation options visit our website [www.cme.ucsf.edu](http://www.cme.ucsf.edu).



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[info@ocme.ucsf.edu](mailto:info@ocme.ucsf.edu).

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faculty

# 5<sup>TH</sup> INTERNATIONAL NEONATAL AND CHILDHOOD PULMONARY VASCULAR DISEASE CONFERENCE

MPD12002

March 9-10, 2012

Hotel Nikko • San Francisco, California

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 Registration Information: (415) 476-5808  
 Course Information: (415) 476-4251

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Would you like to be on our priority email list?  Yes  No

Date of birth to be used as OCME registrant number: \_\_\_\_ / \_\_\_\_ / **XX**  
 Month Day

Please indicate if you have any special needs: \_\_\_\_\_

**Registration Fees** (Receipt/Confirmation will be mailed within two to four weeks):

- \$525** Physicians
- \$425** Allied Health Professionals
- \$200** Trainees
- \$425** Members of Pediatric Cardiac ICU Society
- \$10** Patients/Family/Caregivers

Please enroll for **one** of the following concurrent sessions:

- 5A: Original Research**, to be held from 1:45 - 3:00 pm on Friday, March 10
- 5B: Family Session**, to be held from 1:45 - 3:00 pm on Friday, March 10

Make checks payable to *UC Regents*

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Refund Policy: Cancellations received in writing before the first day of the course will be refunded, less a \$75 administrative fee. No refunds will be made on cancellations received after that date.

Please check our website for up to date information on the course: [www.cme.ucsf.edu](http://www.cme.ucsf.edu)

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