3RD INTERNATIONAL
Neonatal & Childhood Pulmonary Vascular Disease Conference

THURSDAY - SATURDAY
March 11-13, 2010
Fairmont Banff Springs Hotel
Banff, Alberta, Canada

CALL FOR ABSTRACTS
SUBMIT BY MARCH 1, 2010
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. In addition, 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
An attendee completing this course should be able to incorporate the following elements into clinical practice for improved patient care outcomes:
1. The developmental vascular biology of neonatal pulmonary vascular disease;
2. The pharmacology and clinical use of established and emerging therapies for neonatal and childhood pulmonary vascular disease;
3. The current and novel mechanical support treatment strategies for childhood pulmonary vascular disease;
4. The use of anesthesia in children with pulmonary hypertension;
5. Understanding the value of pulmonary hypertension net works for children and neonates.

ABSTRACTS
Abstract submissions are requested by March 1, 2010. All submissions must adhere to guidelines posted on our website www.cme.ucsf.edu. All posters should present original, scientific work. Chosen abstracts will be presented in a poster session on March 13 and three submissions will be selected for presentation to the General Session. Registration fees will be waived for top abstracts submitted by young investigators.
COURSE DIRECTORS

Ian Adatia, MBChB
Professor of Pediatrics, University of Alberta; Director, Pediatric Cardiac Critical and Intermediate Care Program; Director, Pediatric Pulmonary Hypertension Clinic, Stollery Children's Hospital, Edmonton, Canada

Jeffrey Fineman, MD
Professor of Pediatrics, Investigator, Cardiovascular Research Institute, UCSF Children's Hospital, San Francisco, CA, USA

Erika Berman Rosenzweig, MD
The Netherlands Center Groningen, University Medical Hospital, University Medical for Pediatric Pulmonary Hypertension, Beatrix Children's Hospital; Director of the National Network for Congenital Heart Diseases, Congenital Cardiology, University Professor of Pediatric and Cardiology, University of Colorado, Denver, CO, USA

Robyn Barst, MD
Professor Emerita of Pediatrics, Columbia University, College of Physicians and Surgeons New York, NY, USA

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Professor of Pediatric and Congenital Cardiology, University of Groningen; Head of the Center for Congenital Heart Diseases, Director of the National Network for Pediatric Pulmonary Hypertension, Beatrix Children's Hospital, University Medical Center Groningen, The Netherlands

Erika Berman Rosenzweig, MD
Assistant Professor of Pediatrics (in Medicine), Columbia University, College of Physicians and Surgeons; Director, Pediatric Pulmonary Hypertension Center, New York, NY, USA

COURSE FACULTY

(University of California, San Francisco)

Steven Abman, MD
Professor of Pediatrics, Director of Pediatric Heart-Lung Center, University of Colorado, Denver, CO, USA

Dean Andropoulos, MD, MHCM
Chief of Anesthesiology, Texas Children's Hospital; Professor, Anesthesiology and Pediatrics, Baylor College of Medicine, Houston, TX, USA

Stephen L. Archer, MD
Harold Hines Jr. Professor of Medicine; Chief of Cardiology University of Chicago, Chicago, IL, USA

Vivek Balasubramaniam, MD
Associate Professor of Pediatrics; Director, Pediatric Heart Lung Center Laboratory; University of Colorado Denver; The Children's Hospital, Denver, CO

Robyn Barst, MD
Professor Emerita of Pediatrics, Columbia University, College of Physicians and Surgeons New York, NY, USA

R.M.F. Berger, MD, PhD
Professor of Pediatric and Congenital Cardiology, University of Groningen; Head of the Center for Congenital Heart Diseases, Director of the National Network for Pediatric Pulmonary Hypertension, Beatrix Children's Hospital, University Medical Center Groningen, The Netherlands

Erika Berman Rosenzweig, MD
Assistant Professor of Pediatrics (in Medicine), Columbia University, College of Physicians and Surgeons; Director, Pediatric Pulmonary Hypertension Center, New York, NY, USA

COURSE FACULTY (CONT.)

Holger Buchholz, MD
Clinical Assistant Professor, Division of Cardiac Surgery; Director, Pediatric Artificial Heart Program, Adult Artificial Heart Program, Pediatric Heart Failure Program; University of Alberta, Stollery Children's Hospital and Mazankowski Alberta Heart Institute, Edmonton, AB, Canada

Marc de Perrot, MD, MSc
Associate Professor of Surgery, University of Toronto, Division of Thoracic Surgery, Toronto General Hospital, Toronto, ON, Canada

Jocelyn Dupuis, MD, PhD
Associate Professor of Medicine, University of Montreal; Cardiologist, Montreal Heart Institute, Montreal, QC, Canada

Brian Hanna MD, PhD
Clinical Associate Professor of Pediatrics, University of Pennsylvania, School of Medicine; Director, Pulmonary Hypertension, The Cardiac Center, Children's Hospital of Philadelphia, PA, USA

Tilman Humphi, MD, PhD
Assistant Professor of Pediatrics, The Hospital for Sick Children, University of Toronto, Toronto, ON, Canada

John P. Kinsella, MD
Professor of Pediatrics, University of Colorado and the Children's Hospital, Denver; Medical Director, Newborn Transport Service, Medical Director, Newborn ECMO Service, Denver, CO, USA

Stella Kourembanas, MD
Clement A. Smith Professor of Pediatrics, Harvard Medical School; Chief, Harvard Division of Newborn Medicine, Children's Hospital Boston, MA, USA

Giacomo L. Limiskis, MD, FACC, FAHA
Professor, Department of Cardiology; Director, Pulmonary Hypertension Program, University of Alberta, Edmonton, AB, Canada

COURSE FACULTY (CONT.)

Mary Mullen, MD, PhD
Assistant in Cardiology, Children's Hospital, Boston, MA, USA

Usha Raj, MD
Professor and Head, Department of Pediatrics, University of Illinois at Chicago, IL

Andrew Redington, MD
Division Head, Cardiology, The Hospital for Sick Children Professor of Paediatrics, University of Toronto, Ontario, Canada

Jesse D. Roberts, Jr., MD
Associate Professor, Harvard Medical School, Cardiovascular Research Center; Associate Anesthetist, Pediatrician, Scientist, Departments of Anesthesia, Pediatrics, and Medicine, Massachusetts General Hospital, Boston, MA, USA

Ingram Schulze-Neick, MD, PhD
Director, UK Service for Pulmonary Hypertension in Children, Cardiac Unit; Great Ormond Street Hospital, London, United Kingdom

Robin H. Steinhorn, MD
Professor of Pediatrics; Chief of Neonatology, Northwestern University School of Medicine Chicago, IL, USA

Kurt Stenmark, MD
Professor of Pediatrics; Head, Pediatric Critical Care Medicine and Developmental Lung Biology Laboratory; Director, Cardiovascular Pulmonary Research Laboratory, University of Colorado, Denver, CO, USA

Bernard Thébaud, MD
Associate Professor, Department of Pediatrics University of Alberta, Edmonton, AB, Canada

Richard Thompson, MD
Assistant Professor, Department of Biomedical Engineering, University of Alberta, Edmonton, AB, Canada

David L. Wessel, MD
Executive Director, Center for Hospital-Based Specialties, Children's National Medical Center, Washington DC, USA
THURSDAY, MARCH 11, 2010

6:00 am  Registration and Continental Breakfast

6:50  Welcome and Opening Remarks
     Dr. Ian Adatia
     Dr. Jeffrey Fineman

7:00  KEYNOTE ADDRESS:
     Global Perspectives in Childhood Pulmonary Hypertensive Congenital Heart Disease
     TBA

SESSION 1: Pulmonary Hypertension, Right Ventricular Function and Congenital Heart Disease • MODERATOR: Dr. David L. Wessel

8:15  Right Ventricular Function in Pulmonary Hypertension: Lessons Learned from the Systemic Right Ventricle in Congenital Heart Disease
     Dr. Andrew Redington

8:45  The Effects of Current Pulmonary Artery Therapies on Right Ventricular Function and their Clinical Implications
     Dr. Evangelos Michelakis

9:15  Anesthetic Management of Children with Pulmonary Hypertension Undergoing Invasive Procedures
     Dr. Dean Andropoulos

9:45  Break

10:00 Evaluation and Treatment of an Elevated Pulmonary Vascular Resistance after the Fontan-Procedure
     Dr. Ingram Schulze-Neick

SESSION 2: Mechanical Support of the Heart and Lungs and Neonatal Childhood Lung Transplantation • MODERATOR: Dr. David L. Wessel

10:30  Left and Right Heart Support as a Bridge to Cardiac Transplantation in Patients with Pulmonary Hypertension Due to Left Heart Disease
     Dr. Holger Buchholz

11:00 Mechanical Support of the Right Heart and Pumpless Lung Assist Device: Potential Uses as a Bridge to Lung Transplantation
     Dr. Marc de Perrot

11:30 Neonatal and Childhood Lung Transplantation: Where are We?
     Dr. Brian Hanna

12:00 noon  Adjourn

6:00 pm  Welcome Reception and Dinner, Registration Required

GENERAL INFORMATION
Advanced registration closes three (3) business days prior to start of course.

HOW TO ENROLL
Tuition*:
$490  Practicing Physicians
$390  Allied Health Professionals
$200  Trainees
$250  Members of Pediatric Cardiac ICU Society

Payment may be made by Visa, MasterCard, American Express or check.

REGISTER VIA:
Online:  www.cme.ucsf.edu
Mail:  Complete course registration form and send with payment to: UCSF Office of CME P.O. Box 45368 San Francisco, CA 94145-0368
Fax:  Fax completed registration form to: (415) 502-1795 (be sure to include your credit card number)

On-Site Registration: Generally we are able to accommodate on-site registration at our courses. To register by phone or to inquire about registration status, please call UCSF’s CME Registration Office at (415) 476-5808. Please check our website for up-to-date information on the course: www.cme.ucsf.edu.

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.

CONFERENCE LOCATION
Few hotels in the world rival the majesty, hospitality and grandeur of The Fairmont Banff Springs. For more than a century, ‘The Castle in the Rockies’ has provided the unique blend of luxurious comfort, individualized service and timeless beauty for the most discerning traveler. Styled after a Scottish Baronial Castle, The Fairmont Banff Springs hotel is located in the heart of Banff National Park, a UNESCO World Heritage Site. With such a setting the hotel offers stunning vistas, world renowned skiing within...
FRIDAY, MARCH 12, 2010

6:00 am  Continental Breakfast

SESSION 3: Clinical Pharmacology and Uses of Emerging and Approved Therapies for Pulmonary Hypertension • MODERATORS: Dr. Thomas Kulik and Dr. Mary Mullen

7:00  Prostacyclin and Analogues (IV, Subcutaneous, Aerosolised)  Dr. Erika Berman Rosenzweig

7:45  NO-cGMP Cascade; Novel Therapeutic Targets  Dr. Jesse Roberts

8:30  Endothelial Receptor Antagonists  Dr. Robyn Barst

9:15  Break

9:30  Targeting Inflammation in Pulmonary Hypertension  Dr. Kurt Stenmark

10:00  Guanylate Cyclase Stimulators and Imatinib  Dr. Ardeschir Ghofrani

10:30  Phosphodiesterase Inhibitors  Dr. Robin H. Steinhorn

11:00  Metabolic Modulation of the Remodeled Pulmonary Circulation and its Clinical Translation with Dichloroacetate  Dr. Evangelos Michelakis

SESSION 4: Childhood Pulmonary Hypertension Networks
MODERATOR: Dr. Steven Abman

11:30  The Netherlands Experience  Dr. R.M.F. Berger

12:00 noon  The UK Experience  Dr. Ingram Schulze-Neick

12:30  Adjourn

6:00  DEBATE: “Cardiac catheterization is unnecessary in the evaluation of patients with pulmonary hypertension.”
PRO: Dr. Stephen L. Archer
CON: Dr. Dunbar Ivy

7:30 pm  Adjourn

CONFERENCE LOCATION (CONT’D)

By staying at the host hotel, you help UCSF meet its contractual obligations and keep registration fees reasonable. Please take this into consideration when making your accommodation decisions.

RENTAL CAR
Hertz is offering special rates for participants of this conference; simply call 800-654-2240 and refer to identification number 03BW0129 or call your travel agent. You may also make reservations at www.Hertz.com. Advance reservations are recommended.

AIR TRANSPORTATION
Special arrangements have been made with Montgomery Travel. Simply call (800) 391-2287 8:30-5:30pm PST or complete the form on the UCSF web page at www.montgomerytravel.com. In addition to offering lower rates than published airfares, ticketed passengers may take advantage of the after hours emergency service. There is a $40 service fee.

UCSF has negotiated special fares with American and United Airlines for our course attendees. You may use the following tour codes to book on your own:
American (800) 439-1790 code: 1310SS
SATURDAY, MARCH 13, 2010

6:30 am  Continental Breakfast

SESSION 5: Early Vascular Development
MODERATORS: Dr. Bernard Thébaud and Dr. Usha Raj

7:00  Stem Cell Based Approaches for Developmental and Vascular Lung Disease  Dr. Stella Kourembanas
7:30  Circulating and Endogenous Progenitor Cells in Lung Vascular Development and Repair  Dr. Vivek Balasubramaniam
8:00  Abnormal Lung Vascular Development in Preterm Infants: Implications for Chronic Lung Disease of Prematurity  Dr. Steven Abman
8:30  New Emerging Patterns of Chronic and Late Pulmonary Hypertension Complicating Congenital Diaphragmatic Hernia  Dr. Mary Mullen
9:00  Growth Factor Circuitry in Vascular Morphogenesis  TBA
9:30  Break

SESSION 6: Hemodynamic Assessment and Novel Imaging Techniques of the Pulmonary Vascular Bed?  MODERATORS: TBA

9:45  MRI Assessment of the Right Ventricle and Pulmonary Perfusion  Dr. Richard Thompson
10:15  Cardiac Catheterisation of the Child with Pulmonary hypertension: Indications, Approach and Interpretation of Invasive Hemodynamics  Dr. Dunbar Ivy
10:45  Development of Adrenomedullin Analogs Designed for Molecular Imaging of the Pulmonary Circulation  Dr. Jocelyn Dupuis
11:15  Break

SESSION 7: Abstract Review

11:30  Abstract Review and Discussion
12:30 pm  Abstract Presentations
1:00  Adjourn

SESSION 8: Case Presentations and Debate  MODERATOR: TBA

6:00  Interesting and Perplexing Cases of Neonatal and Childhood Pulmonary Hypertension  Dr. Tilman Humpl
6:45  DEBATE: “A pulmonary vascular resistance of 8 Wood Units per meter squared defines operability in congenital heart disease.”
    PRO: Dr. Rolf Berger
    CON: Dr. Thomas Kulik

7:30 pm  Adjourn
For more information or to register online visit our website at www.cme.ucsf.edu, call the Office of Continuing Medical Education at (415) 476-4251 or email info@ocme.ucsf.edu.
3rd INTERNATIONAL NEONATAL AND CHILDHOOD PULMONARY VASCULAR DISEASE CONFERENCE

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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

Please indicate if you have any special needs: ____________________________________

Registration Fees (Receipt/Confirmation will be mailed within two to four weeks):
☐ $490 Physicians
☐ $390 Allied Health Professionals
☐ $200 Trainees
☐ $250 Members of Pediatric Cardiac ICU Society

Welcome Reception and Dinner – Friday, March 12th – 6:00pm

Please confirm below so we may plan for the appropriate number of people
☐ $100 per person and per guest, preregistration is required 72 hours in advance

# of adults ______ Please indicate: ☐ Chicken #____ ☐ Fish #____ ☐ Vegetarian #____

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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

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