6th Annual Pittsburgh Master Class in Congenital Cardiac Morphology

October 2, 3, and 4, 2013

COURSE DIRECTORS
Professor Robert H. Anderson, MD, FRCPath
Visiting Professor, Pediatrics
Medical University of South Carolina
Charleston, South Carolina

Vivek Allada, MD
Interim Chief and Clinical Director
Division of Pediatric Cardiology
Co-Director, Heart Institute
Children’s Hospital of Pittsburgh of UPMC
Professor of Pediatrics
University of Pittsburgh School of Medicine
Pittsburgh, Pennsylvania

Hosted by the Heart Institute and Department of Pediatric Pathology at Children’s Hospital of Pittsburgh of UPMC and the University of Pittsburgh School of Medicine, Center for Continuing Education in the Health Sciences
Master Class in
Congenital Cardiac Morphology
October 2, 3, and 4, 2013
John G. Rangos Sr. Conference Center

This comprehensive two and a half-day course in congenital cardiac morphology will use didactic presentations, live video demonstrations, and hands-on examination of cardiac specimens from the Frank E. Sherman and Cora C. Lenox Heart Museum to cover a wide range of congenital cardiac malformations. There will be an emphasis on imaging and clinical correlations for each lesion. Upon completion of this class, participants will understand the usefulness and practicality of the sequential segmental analytical approach to the examination of congenitally malformed hearts, as well as be familiar with the morphology of a large variety of congenital heart defects. This year, we will focus on the heart valves and coronary anomalies. As a result of last year’s feedback, this year, we will include sessions on embryology and clinical implications of cardiac pathology. As with past courses, on the first day, we will commence by examining normal hearts, and discussing the essence of sequential segmental analysis. On the second and third days, we will explore a number of other lesions including arterial and atrioventricular valvar pathology, as well as congenital pathology of the coronary arteries. We will have ample opportunity for participants to have hands-on sessions with pathology specimens, including a dedicated session on the final day.
LEARNING OBJECTIVES
At the conclusion of the program, the participants should be able to:
• explain the usefulness and practicality of the sequential segmental approach to the examination of congenitally malformed hearts and how you can apply this method to the management of your patients
• describe normal cardiac morphology and how each of the malformations deviates from normality
• describe the morphology of the defects presented in a fashion that is descriptive and anatomically correct
• discuss the utility of advanced imaging to display normal and abnormal cardiac morphology

WHO SHOULD ATTEND
This course is designed for seasoned, junior, and trainee pediatric and adult cardiologists; cardiothoracic surgeons; pathologists; pathology assistants; cardiac morphologists; echocardiography sonographers; and other medical professionals interested in congenital heart disease.

ENROLLMENT AND FEES
The registration fee for the Master Class is $375 for physicians and faculty and $300 for allied health professionals and trainees who register prior to, or on, August 15, 2013. After this date, the fees will be $450 and $375 respectively. We will recognize a $75 discount if you attended the March 2013 Charleston Morphology course (proof of attendance is required).

There will be a limited number of seats for this educational event which will be granted on a first-come, first-serve basis.

The registration fee includes program, materials, continental breakfast, coffee breaks, lunch, and hors d’oeuvres gathering Wednesday evening.

Register online at www.chp.edu/masterclass.

CANCELLATIONS
A refund will be given for cancellation notices received before, or on, Monday, Aug. 23, 2013, less a $100 processing fee. Refunds will not be granted for cancellations received after Aug. 23, 2013.

LOCATION AND VENUE
Children’s Hospital of Pittsburgh of UPMC is pleased to again host the Cardiac Morphology course. The meeting will be held in the John G. Rangos Sr. Conference Center.

Pittsburgh was recently named as one of the most livable cities in America. The Pittsburgh International Airport is approximately 45 minutes from the hospital so please allow for travel time when making arrangements. The Courtyard by Marriott Shadyside will provide a complimentary shuttle to the conference center at the beginning (one time) and conclusion (one time) of the meeting each day.
ACCOMMODATIONS
A block of rooms has been reserved at the rate of $139 per night. Please call the Courtyard by Marriott Shadyside directly to reserve your room. The meeting block and discount rate is only available to you until Sept. 4, 2013. When calling to reserve a room, reference Children’s Hospital of Pittsburgh of UPMC’s Heart Institute to secure the group rate.

Courtyard by Marriott Shadyside
5308 Liberty Ave.
Pittsburgh, PA 15224
Phone: 412-683-3113

AMERICANS WITH DISABILITIES ACT
Participation by all individuals is encouraged. Advance notification of any special needs will help us to provide better service. Please notify us of your needs at least two weeks in advance of the program by calling 412-692-3216.

ACREDITATION STATEMENT
The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Pittsburgh School of Medicine designates this live activity for a maximum of 16.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other health care professionals are awarded 1.6 continuing education units (CEU’s) which are equal to 16.2 contact hours.

DISCLOSURE STATEMENT
The University of Pittsburgh, as an educational institution and as an employer, values equality of opportunity, human dignity, and racial/ethnic and cultural diversity. Accordingly, as fully explained in Policy 07-01-03, the University prohibits and will not engage in discrimination or harassment on the basis of race, color, religion, national origin, ancestry, sex, age, marital status, familial status, sexual orientation, gender identity and expression, genetic information, disability, or status as a veteran. The University also prohibits and will not engage in retaliation against any person who makes a claim of discrimination or harassment or who provides information in such an investigation. Further, the University will continue to take affirmative steps to support and advance these values consistent with the University’s mission. This policy applies to admissions, employment, and access to and treatment in University programs and activities*. This is a commitment made by the University and is in accordance with federal, state, and/or local laws and regulations. For information on University equal opportunity and affirmative action programs, please contact: University of Pittsburgh; Office of Affirmative Action, Diversity, and Inclusion; Carol W. Mohamed, Director (and Title IX, 504 and ADA Coordinator); 412 Bellefield Hall; 315 South Bellefield Avenue; Pittsburgh, PA 15260; 412-648-7860. For complete details on the University’s Nondiscrimination Policy, please refer to Policy 07-01-03. For information on how to file a complaint under this policy, please refer to Procedure 07-01-03.
**Day 1: Wednesday Oct. 2**

**Noon**
Registration

**12:30 p.m.**
Welcome and Course Introduction

### Session 1

**MORPHOLOGY OF THE NORMAL HEART**

**12:45 p.m.**
Normal Anatomy (including the conduction system and coronary arteries)
Didactic presentation and video demonstration

**1:15 p.m.**
The Essence of Sequential Segmental Analysis
Didactic presentation and video demonstration

**1:45 p.m.**
Echocardiography

**2:15 p.m.**
CT/MRI Imaging

**2:45 p.m.**
Discussion

**3 p.m.**
BREAK (and hands-on)

### Session 2

**ATRIOVENTRICULAR VALVES – EBSTEIN’S MALFORMATION AND OTHER TRICUSPID VALVAR ANOMALIES**

**3:30 p.m.**
Development of the Tricuspid Valve

**3:40 p.m.**
Didactic presentation and video demonstration

**4:10 p.m.**
Echocardiography

**4:20 p.m.**
CT/MRI Imaging

**4:30 p.m.**
LECTURE: “Surgical Management of Ebstein’s Malformation”

**4:45 p.m.**
Discussion and hands-on

**5 p.m.**
ADJOURN

**5:15 to 6:15 p.m.**
RECEPTION: Wine and hors d’oeuvres (Lobby Area of Conference Center)

**Day 2: Thursday Oct. 3**

**8 to 9 a.m.**
Pediatric Grand Rounds
Embryology and the Developing Heart
Cecelia Lo, PhD
(all course attendees welcome to attend)

**9:10 a.m.**
Registration and Continental Breakfast
Optional Hospital Tour

**9:50 a.m.**
Welcome to Day 2

### Session 3

**SPECIAL SESSION ON CONGENITAL CORONARY ANOMALIES**

**10 a.m.**
Development of the Coronary Arteries

**10:15 a.m.**
Didactic presentation and video demonstration

**10:45 a.m.**
Echocardiography

**11:05 a.m.**
CT/MRI Imaging

**11:25 a.m.**
Controversies in the Management of Congenital Coronary Arterial Lesions

**11:35 a.m.**
Discussion and hands-on

**Noon to 1 p.m.**
LUNCH (and hands-on)

### Session 4

**ATRIOVENTRICULAR VALVES – MITRAL VALVAR ANOMALIES**

**1 p.m.**
Development of the Mitral Valve

**1:15 p.m.**
Didactic presentation (Spicer) and video demonstration

**1:45 p.m.**
Echocardiography

**2:15 p.m.**
Discussion and hands-on

**2:45 p.m.**
BREAK (and hands-on)

continued
### SESSION 5

**ISOMERISM WITH ATRIOVENTRICULAR SEPTAL DEFECT**

- **3:15 p.m.**
  Abnormal Development of the AV Junctions

- **3:30 p.m.**
  Didactic presentation and video demonstration

- **4 p.m.**
  Echocardiography

- **4:20 p.m.**
  CT/MRI Imaging

- **4:40 p.m.**
  Discussion and hands-on

**5 p.m.**
ADJOURN

### SESSION 6

**SEMILUNAR VALVES – AORTIC VALVE**

- **8:05 a.m.**
  Development of the Aortic Root

- **8:20 a.m.**
  Didactic presentation and video demonstration

- **8:50 a.m.**
  Echocardiography

- **9:05 a.m.**
  CT/MRI Imaging

- **9:20 a.m.**
  Lecture: “How Does Morphology Influence the Approach and Outcomes of Interventional Cardiac Catheterization for the Aortic Root?”

- **9:40 a.m.**
  Discussion and hands-on

**10 a.m.**
BREAK (and hands-on)

### SESSION 7

**SEMILUNAR VALVES – PULMONARY VALVE**

- **10:30 a.m.**
  Development of the Pulmonary Root

- **10:45 a.m.**
  Didactic presentation and video demonstration

- **11:15 a.m.**
  Echocardiography

- **11:25 a.m.**
  CT/MRI Imaging

- **11:35 a.m.**
  Lecture: “How Does Morphology Influence the Approach and Outcomes of Interventional Cardiac Catheterization for the Aortic Root?”

- **11:55 a.m.**
  Discussion and hands-on

**12:15 p.m.**
LUNCH (and hands-on)

### SESSION 8

**HANDS-ON WORKSHOP**

- **1 to 4 p.m.**
  All the lesions presented will be available for individual inspection and demonstration

**4 p.m.**
ADJOURN
COURSE DIRECTORS

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Medical University of South Carolina
Charleston, South Carolina

Vivek Allada, MD
Professor of Pediatrics, University of Pittsburgh School of Medicine
Interim Chief and Clinical Director, Pediatric Cardiology
Children's Hospital of Pittsburgh of UPMC
Pittsburgh, Pennsylvania

LOCAL FACULTY

Mark DeBrunner, MD
Assistant Professor of Pediatrics
University of Pittsburgh School of Medicine
Children's Hospital of Pittsburgh of UPMC
Pittsburgh, Pennsylvania

William Devine, BS
Curator of the Frank E. Sherman and Cora C. Lenox Heart Museum
Department of Pathology
Children's Hospital of Pittsburgh of UPMC
Pittsburgh, Pennsylvania

Jacqueline Kreutzer, MD, FACC, FSCAI
Associate Professor of Pediatrics
University of Pittsburgh School of Medicine
Director, Cardiac Catheterization Laboratory
Children's Hospital of Pittsburgh of UPMC
Pittsburgh, Pennsylvania

Lizabeth Lanford-Kennard, MD
Assistant Professor
University of Pittsburgh School of Medicine
Pediatric Cardiologist
Children's Hospital of Pittsburgh of UPMC
Pittsburgh, Pennsylvania

Victor O. Morell, MD
Associate Professor of Surgery
University of Pittsburgh School of Medicine
Chief, Pediatric Cardiothoracic Surgery
Children's Hospital of Pittsburgh of UPMC
Co-Director, UPMC Heart and Vascular Institute
Pittsburgh, Pennsylvania

Sara Trucco, MD
Assistant Professor of Pediatrics
University of Pittsburgh School of Medicine
Pediatric Cardiologist
Children's Hospital of Pittsburgh of UPMC
Pittsburgh, Pennsylvania

Peter Wearden, MD, PhD
Assistant Professor of Surgery
University of Pittsburgh School of Medicine
Surgical Director
Pediatric Heart and Lung Transplantation
Children's Hospital of Pittsburgh of UPMC
Pittsburgh, Pennsylvania

GUEST FACULTY

Christine Anderson
London, England

Diane Debich-Spicer, BS, PA (ASCP)
Curator of the Lodewyk Van Mierop Archive
University of Florida, Gainesville

Anthony Hlavacek, MD, FAAP
Assistant Professor, Pediatric Cardiology
Medical University of South Carolina, Charleston

Meryl S. Cohen, MD
Attending Cardiologist
Children's Hospital of Philadelphia
Director, Echocardiography Laboratory
Associate Director, Cardiology Fellowship Training Program
Associate Professor of Pediatrics, Perelman School of Medicine at the University of Pennsylvania

Lynda Cocco
Heart Institute
Children's Hospital of Pittsburgh of UPMC
Pittsburgh, Pennsylvania

FACULTY DISCLOSURE

Faculty for this activity has been required to disclose all relationships with any proprietary entity producing health care goods or services.
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