

# International Symposium on Congenital Heart Disease in the Adult *Toronto 2003*

June 5–7, 2003

Four Seasons Hotel  
Toronto, Ontario, Canada



Offered in cooperation with  
the Heart & Stroke/Richard  
Lewar Center of Excellence

## PROGRAM CODIRECTORS

Peter P. Liu, MD, FRCP(C), FACC  
University of Toronto and Toronto General  
Hospital/University Health Network,  
Toronto, Ontario, Canada

David J. Sahn, MD, FACC  
Oregon Health & Sciences University  
Portland, Ore.

Gary D. Webb, MD, FRCP(C), FACC  
University of Toronto and Toronto General  
Hospital/University Health Network  
Toronto, Ontario, Canada

## GUEST FACULTY

Woodrow D. Benson, MD, PhD  
Cincinnati Children's Hospital Medical  
Center, Cincinnati

Barbara J. Deal, MD  
Northwestern University  
Feinberg School of Medicine, Chicago

John E. Deanfield, MB, BChir,  
FRCP, FACC  
Great Ormond Street and Middlesex  
Hospitals, London, England, U.K.

Michael A. Gatzoulis, MD, PhD,  
FESC, FACC  
Royal Brompton Hospital  
London, England, U.K.

Harald Kaemmerer, MD, VMD, PhD  
Technical University, Munich, Germany

Pamela D. Miner, RN, MN, NP  
Abmanson/UCLA Adult Congenital Heart  
Disease Center, Los Angeles

Michael Mullen, MD, MBBS, MRCP  
Royal Brompton Hospital  
London, England, U.K.

Barbara J. M. Mulder, MD  
Academic Medical Center  
Amsterdam, Netherlands

Erwin Oechslin, MD, FESC  
University Hospital, Zurich, Switzerland

Joseph K. Perloff, MD, FACC  
Abmanson/UCLA Adult Congenital Heart  
Disease Center, Los Angeles

Reed E. Pyeritz, MD, PhD  
University of Pennsylvania School of  
Medicine, Philadelphia

Darryl F. Shore, FRCS  
Royal Brompton and Harefield NHS  
Trust, London, England, U.K.

Jane Somerville, MD, FRCP,  
FESC, FACC  
Middlesex Hospital/University College,  
London, England, U.K.

## Program Overview

This program brings the latest clinical information on diagnosis and management of adult congenital heart disease from combined faculty teams at the Oregon Health Sciences University and the University of Toronto. Emphasis is placed on practical approaches and latest concepts in the pathophysiology and management of potentially complicated patients and their long-term postoperative results. This session also emphasizes the ultra long-term sequelae of operated patients and potential risk factors and substrates for complications.

The course offers a choice of sessions for the novice and the expert. For those more familiar with congenital heart disease, a case management session will run concurrently with a primer session. Workshops will feature case discussions and clinico/pathological correlations.

Prior to the meeting, registrants may opt to attend a satellite program, *Contemporary Issues in Pediatric Cardiology*, May 31–June 2, at the Metro Toronto Convention Centre. For details visit <http://www.sickkids.ca/cardiology/symposium>.

Registrants are encouraged to bring problem cases for discussion. A very popular teaching aid, the touch pad audience response system, will be used to facilitate teaching interactions.

## Who Should Attend

- Practicing adult and pediatric cardiologists
- Internists
- Surgeons

## Objectives

Upon completion of this program, attendees should be able to—

- acquire basic knowledge about the anatomy and physiology of common adult congenital heart conditions;
- show understanding of the natural and postinterventional history of patients with a variety of common congenital heart disease lesions;
- recognize the diagnostic approach to the patient presenting with congenital heart disease in the adult;
- use evidence-based approach to institute knowledgeable treatment strategies, both medical and surgical;
- utilize up-to-date treatment strategies for the adult congenital patient with appropriate timing;
- develop an algorithm for the follow-up of common groups of adult patients with congenital heart disease;
- appreciate unique adult problems, such as arrhythmias and how these affect treatment; and
- participate in a network of centers with expertise in congenital heart disease to ensure continued support, education, and research in the advancement of care for this unique group of patients.

# Congenital Heart Disease

## FACULTY CONTINUED:

Judith Therrien, MD, FRCP(C)  
*McGill University  
Montreal, Quebec, Canada*

Carole A. Warnes, MD,  
MRCP, FACC  
*Mayo Medical School  
Rochester, Minn.*

James Yip, MD, MB, BS,  
MRCP(UK), FAMS  
*National University Hospital  
Singapore*

## Oregon Health & Sciences University Faculty

Seshadri Balaji, MD,  
MRCP, FACC

Grant H. Burch, MD, FACC

Brian J. Morrison, MD, FACC

Ross M. Ungerleider,  
MD, FACC

## University of Toronto Faculty

Jeanine Allen, RN,  
MN/ACNP

Lee Benson, MD,  
FRCP(C), FACC

Benoit G. Bruneau, PhD

Jagdish W. Butany, MD,  
MBBS, MS, FRCP(C)

Jack M. Colman, MD,  
FRCP(C), FACC

Eugene Downar, MD, FRCP(C)

John Granton, MD, FRCP(C)

Louise Harris, MD, MB,  
ChB, MRCP, FRCP(C), FACC

Shaf Keshavjee, MD, MSc,  
DABS, FACS, FRCS(C)

Brian W. McCrindle, MD,  
FRCP(C), FACC

Peter R. McLaughlin, MD,  
FRCP(C), FACC

Naeem Merchant, MD,  
FRCP(C)

Andrew N. Redington, MD,  
FRCP

Samuel C. B. Siu, MD,  
FRCP(C), FACC

Jeffrey F. Smallhorn, MD,  
MBBS, FRACP, FRCP(C)

William G. Williams,  
MD, FRCS(C)

## Schedule

### Thursday, June 5th

- 7:00 a.m. Registration and Continental Breakfast
- 8:00 a.m. Opening Remarks  
*Dr. Peter P. Liu and Dr. Gary D. Webb*

#### Basic Anatomy and Physiology of Adult Congenital Heart Disease

*Dr. Peter P. Liu, presiding*

- 8:10 a.m. Which Genes Control Normal Heart Development?  
*Dr. Bruneau*
- 8:30 a.m. What Does Heart Development Teach Us About Congenital Heart Disease?  
*Dr. W. Benson*
- 8:50 a.m. Genotype-Phenotype Correlations for the Congenital Abnormalities We See  
*Dr. Bruneau*
- 9:10 a.m. Right Ventricular Dysfunction in ACHD—Assessment by Stress MRI and Peptides  
*Dr. Mulder*

#### Parallel I: Basic Anatomy and Physiology of Adult Congenital Heart Disease

*Dr. David J. Sahn, presiding*

- 10:10 a.m. Common Acyanotic Congenital Heart Defects  
*Dr. L. Benson*
- 10:30 a.m. Left and Right Ventricular Outflow Tract Obstructions  
*Dr. Siu*
- 10:50 a.m. Common Cyanotic Conditions  
*Dr. Morrison*
- 11:10 a.m. Post Operative Left AV Valve Function in Atrioventricular Septal Defect—An Achilles' Heel  
*Dr. Smallhorn*
- 11:30 a.m. Arrhythmias in Congenital Heart Disease—An Overview  
*Dr. Harris*

#### Parallel II: Challenging Case Management Discussions

*Dr. Gary D. Webb, presiding  
Drs. Webb, Therrien, and Warnes*

- 12:10 p.m. Lunch

1:15 p.m. **Workshop I**

2:30 p.m. **Workshop II**

- A. Pregnancy and Heart Disease  
*Drs. Siu, Colman, Warnes, and Somerville*
- B. Diagnostic Issues  
*Drs. Therrien, Sahn, Gatzoulis, Merchant, Kaemmerer, and Perloff*
- C. Catheter Interventions  
*Drs. L. Benson, McLaughlin, Redington, Ungerleider, and Mullen*
- D. Arrhythmias Management  
*Drs. Harris, Balaji, and Deal*

#### The Adult Fontan Patient: An Update—What We Call Fontan Revision and How We Do It

*Dr. Michael A. Gatzoulis, presiding*

- 4:00 p.m. The Chicago Experience With Fontan Revisions—A Report From the Pioneers  
*Dr. Deal*
- 4:20 p.m. How I Revise Fontan in My Hands  
*Dr. Ungerleider*
- 4:40 p.m. Ventricular Function Issues  
*Dr. Liu*
- 5:00 p.m. Should We or Should We Not Anticoagulate All Fontan Patients?  
*Dr. Therrien*
- 5:30 p.m. Adjournment

### Friday, June 6th

7:00 a.m. Breakfast

#### ACCF Special Feature Presentation—The History of Congenital Heart Disease

*Dr. Gary D. Webb, presiding*

- 8:00 a.m. Congenital Heart Disease to the 20th Century  
*Dr. Morrison*
- 8:20 a.m. Congenital Heart Disease in the Americas in the 20th Century  
*Dr. Perloff*
- 8:40 a.m. Congenital Heart Disease in Europe in the 20th Century  
*Dr. Somerville*

#### Marfan's

*Dr. Barbara J.M. Mulder, presiding*

- 9:15 a.m. How to Make the Diagnosis  
*Dr. Webb*

Fee:  
 ACC Member \$ 570  
 Nonmember \$ 645  
 Reduced Fees\* \$ 415

Fee includes the continental breakfasts,  
 refreshment breaks, lunches, and the syllabus.

## Saturday, June 7th

9:35 a.m. Marfan's Syndrome—25 Years of Research=25 Years of Added Life Expectancy  
*Dr. Pyeritz*

### **Pulmonary Hypertension in ACHD** *Dr. Samuel C.B. Siu, presiding*

10:30 a.m. The Clinical Problem  
*Dr. Oechslin*

10:50 a.m. New Therapeutic Options  
*Dr. Granton*

11:10 a.m. Lung or Heart-Lung Transplantation  
*Dr. Keshavjee*

11:45 a.m. Lunch

12:45 p.m. **Workshop I**

2:00 p.m. **Workshop II**

A. MRI in ACHD  
*Drs. Merchant, Sabn, and Gatzoulis*

B. Surgical Interventions  
*Drs. L. Benson, Redington, Williams, Ungerleider, and Shore*

C. Clinico/Pathological Correlations  
*Drs. Butany and Colman*

D. Evidence-Based Nursing Practice in Congenital Heart Disease  
*Ms. Allen and Ms. Miner*

### **Aortopathies in General** *Dr. David J. Sabn, presiding*

3:30 p.m. Structural Abnormalities in the Great Arterial Walls in CHD  
*Dr. Perloff*

3:50 p.m. The Aortopathy of Bicuspid Aortic Valves  
*Dr. Yip*

4:10 p.m. Aortic Involvement in Congenital Heart Disease  
*Dr. Kaemmerer*

4:30 p.m. **Debate:** Exercise-Induced Hypertension After Coarctation Repair Should Be Treated  
*Pro—Dr. Mulder*  
*Con—Dr. Mullen*

5:15 p.m. Adjournment

7:00 a.m. Breakfast

### **Ultra-Long-Term Follow-up of Congenital Patients** *Dr. Andrew N. Redington, presiding*

8:00 a.m. Tetralogy of Fallot—The GOTCHA Study  
*Dr. McCrindle*

8:20 a.m. The Mayo Clinic Experience  
*Dr. Warnes*

8:40 a.m. More Than 20-Year Outcomes After ACHD Surgery  
*Dr. Deanfield*

### **Interventional Strategies in ACHD** *Dr. Peter R. McLaughlin, presiding*

9:15 a.m. Established Techniques—Where We Stand  
*Dr. McLaughlin*

9:35 a.m. Evolving Techniques—Where We're Going  
*Dr. L. Benson*

9:55 a.m. Interventions for Arrhythmias  
*Dr. Balaji*

10:15 a.m. Case Studies  
*Drs. Burch, McLaughlin, L. Benson, and Balaji*

### **Arrhythmias and Emergencies in ACHD** *Dr. Peter P. Liu, presiding*

11:20 a.m. Emergencies in ACHD  
*Dr. Oechslin*

11:40 a.m. The Automatic Nervous System in ACHD—Relation to Late Arrhythmias and Sudden Cardiac Death  
*Dr. Gatzoulis*

12:00 p.m. **Debate:** ACHD Arrhythmia Intervention Is Best Left to the Congenital Heart Surgeon  
*Pro—Dr. Williams*  
*Con—Dr. Downar*

12:45 p.m. **Special Lecture**  
 Surgeons I Have Known  
*Dr. Somerville*

1:15 p.m. Adjournment, Program Evaluation, and CME Credits  
*Dr. Liu*

### **Program #2003-1628**

\*Proof of licensure required for the following categories: Fellow in Training, Physician Assistant, Resident, Technologist, Nurse.

### **Registration Deadline**

After May 22, 2003, add \$100 to each category and plan to register on site.

### **AMA PRA Credit**

20.5 hours AMA PRA Category 1 credit

### **Location**

In 2002, the five-star Four Seasons Toronto was rated by *Travel & Leisure* number three in the world for best hotel value. As a destination, Toronto boasts the third largest English-speaking theatre district in the world after New York and London and one of the world's most diverse living mosaics, with more than 80 ethnic communities reflecting African, Asian, and European cultures.

### **Accommodations**

Please call the Four Seasons Hotel, 416-964-0411.

### **ACCF Room Rates**

\$265 Canadian single/double per night (Room block held until 5/4 unless it sells out earlier.)