17th Annual Course on Adult Congenital Heart Disease

Adult Congenital Heart Disease: Past, Present and Future

May 30 - June 2, 2007

The Union League
Philadelphia, PA

With 2 Optional Special Pre-Conference Programs May 29, 2007

Register at www.chop.edu/achd after January 15
Tuesday, May 29, 2007 - “Gaining a Better Understanding of Complex Anatomy in CHD: Anatomic Specimens and Echo Correlation”

Noon  Welcome and Introduction: Meryl S. Cohen, M.D.

12:05 p.m.  Septal Defects
Pathologic Specimens
Paul M. Weinberg, M.D.

Echocardiography
Girish S. Shirali, M.B.B.S.

12:50 p.m.  Aortic Stenosis and Coarctation
Pathologic Specimens
Paul M. Weinberg, M.D.

Echocardiography
Samuel Siu, M.D.

When echo is not enough – MRI and CT of the Aorta
Harold Litt, M.D., Ph.D.

1:45 p.m.  Discussion

2 p.m.  Break

2:20 p.m.  Tetralogy of Fallot
Pathologic Specimens
Paul M. Weinberg, M.D.

Echocardiography
Martin St. John Sutton, M.B.

3 p.m.  Transposition of the Great Arteries
Pathologic Specimens
Paul M. Weinberg, M.D.

Echocardiography
Folkert Meijboom, M.D.

When Echo is Not Enough in TGA and TOF
Mark A. Fogel, M.D.

4 p.m.  Discussion

4:15 p.m.  Break

4:30 p.m.  Single Ventricle
Pathologic Specimens
Paul M. Weinberg, M.D.

Echocardiography
Meryl S. Cohen, M.D.

MRI and CT in the Fontan Patient
Jeffrey Hellinger, M.D.

5:30 p.m.  Discussion

5:45 p.m.  Adjourn
<table>
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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>Noon</td>
<td>Welcome and Introduction</td>
<td>Edward P. Gerstenfeld, M.D.</td>
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<tr>
<td>12:05 p.m.</td>
<td>Beyond Sotalol: Antiarrhythmic Drug Options in the ACHD Population</td>
<td>James C. Perry, M.D.</td>
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<td>12:30 p.m.</td>
<td>Pacemaker Therapy in the ACHD Patient: Special Considerations.</td>
<td>Larry Rhodes, M.D.</td>
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<td>1:05 p.m.</td>
<td>Sudden Death Risk Stratification: What is the Role of the ICD in the ACHD Patient?</td>
<td>Joshua M. Cooper, M.D.</td>
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<td>1:30 p.m.</td>
<td>Break</td>
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<td>1:45 p.m.</td>
<td>Resynchronization Therapy in the ACHD Patient: Indications, Challenges, and Outcomes.</td>
<td>Seshadri Balaji, M.B.B.S., M.R.C.P.</td>
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<td>2:15 p.m.</td>
<td>Learn Before You Burn: Catheter Mapping and Ablation</td>
<td>Maully Shah, M.D.</td>
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<td>2:45 p.m.</td>
<td>3D Image Guided Mapping and Ablation in the ACHD Patient.</td>
<td>Edward P. Gerstenfeld, M.D.</td>
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<td>3:15 p.m.</td>
<td>Surgical Ablation: Atrial Arrhythmias.</td>
<td>Barbara J. Deal, M.D.</td>
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<td>3:45 p.m.</td>
<td>Surgical Ablation: Ventricular Arrhythmias</td>
<td>Louise Harris, M.D.</td>
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<td>4:15 p.m.</td>
<td>Case Discussions and Panel</td>
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<td>5 p.m.</td>
<td>Adjourn</td>
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Day 1 - Wednesday, May 30, 2007  
Chairperson: Peter Liu, M.D.

7 a.m.    Registration and Continental Breakfast
7:55 a.m. Opening Comments – Gary Webb, M.D.

8 a.m.    What We Hope to Learn Today
Thomas P. Graham, M.D.

8:10  Setting the Stage for Today’s Adults with CHD: The History of Congenital Heart Surgery
Thomas L. Spray, M.D.

8:35  State of the Art Lecture: The Genetics of CHD
Jonathan Epstein, M.D.

Sequelaes of Repairs Beginning in the 1950’s-1960’s

9 a.m.   Anatomic Specimens on the Heart Cam® – ASD, VSD and Tetralogy of Fallot
Paul M. Weinberg, M.D.

9:30 a.m. Endothelial Function in Congenital Heart Disease: A Therapeutic Opportunity
John Deanfield, M.D.

10 a.m.  Break

10:20 a.m. Should Most Native Coarctations be Ballooned and/or Stented?
Michael Landzberg, M.D.

10:40 a.m. Will the Percutaneous Pulmonary Valve Transform the Management of Tetralogy of Fallot?
John Deanfield, M.D.

Controversies:

11 a.m.  "Current Heart Failure Guidelines Should Apply to ACHD Patients"
Pro: John Jefferies, M.D.
Con: Robert E. Shaddy, M.D.

11:30 a.m. “Signal Averaged ECGs are Important in ACHD Patients”
Joseph K. Perloff, M.D.
  Counterpoint
Joshua Cooper, M.D.

Noon  Important Recent Research in ACHD – Part I
Harald Kaemmerer, M.D. and Richard Donner, M.D.

Featured Topic #1
Presented by Craig Broberg, MD

Featured Topic #2
Presented by Stephen Cook, MD

Featured Topic #3
Presented by Deborah Gersony, MD

Day 1 - Wednesday, May 30, 2007
12:45 p.m.  Lunch
1:45-3:45 p.m.  New Frontiers in ACHD
  Chairperson: David Sahn, M.D.

1:45 p.m.  The Hypoxemia and Erythrocytosis of Cyanotic CHD are Hypocholesterolemic and Antiatherogenic.
  Joseph K. Perloff, M.D.

2:05 p.m.  Understanding the Right Ventricle
  David Sahn, M.D.

2:25 p.m.  The Systemic Right Ventricle – How Long Will It Last?
  Thomas P. Graham, M.D.

2:45 p.m.  Beyond Bosentan: New Insights into Pulmonary Hypertension
  Carole A. Warnes, M.D.

3:05 p.m.  Understanding Eisenmenger Syndrome
  Jane Somerville, M.D.

3:25 p.m.  Risk Stratification of ACHD Patients for Noncardiac Surgery
  Jack M. Colman, M.D.

3:45 p.m.  What We Have Learned Today
  Andrew Redington, M.D.

4 p.m.  Break
Day 1 - Wednesday, May 30, 2007
4:30-6 p.m. Simultaneous Breakout Sessions

Session I: Case Discussions - Moderator: Gary Webb, M.D.

Faculty Will Discuss Pre-submitted Cases: Audience Participation Encouraged

Panel: Joseph K. Perloff, M.D., Thomas L. Spray, M.D., Maully Shah, M.D., Seshadri Balaji, M.BB.S. and Michael Landzberg, M.D.

Session II: Interventional Catheterization - Moderator: Jonathan J. Rome, M.D.

Update on PFO/Stroke
Howard C. Herrmann, M.D.

Update on PFO/Migraine
Marcus Schwerzmann, M.D.

Update on VSD Device Closure
Ziyad M. Hijazi, M.D.

The Use (and Abuse) of ASD Devices
William Hellenbrand, M.D.

Session III: Echocardiography - Moderator: Martin St. John Sutton, M.D.

3-D Echo in CHD
Folkert Meijboom, M.D.

Echo Assessment of the Right Ventricle
Carole A. Warnes, M.D.

Echo Assessment of Pulmonary Regurgitation
Candice Silversides, M.D.

How to Build a Strong ACHD Echo Service
Samuel Siu, M.D.

Session IV: Cardiovascular Nursing - Moderator: Mary Cannobio, R.N.

Psychosocial Well-Being of ACHD Patients
Yvonne Balon, R.N., B.N., M.N.

Genetics and Syndromes in ACHD
Libby Sparks, M.S., A.P.N.G.

Difficult Cases/Issues
Kathy Mussatto, R.N.

End of Life Issues
Jeanine Harrison, R.N.

6 p.m. Adjourn Opening Reception
Poster Session #1
Emerging Problems in ACHD: The Native and Surgically Altered Aortic Root

8 a.m.  What We Hope to Learn Today
Welton M. Gersony, M.D.

8:20 a.m.  How to Manage Bicuspid Aortopathy
Harald Kaemmerer, M.D.

8:40 a.m.  The Abnormal Aortic Root in ACHD
Koichiro Niwa, M.D.

9 a.m.  Norwood, Arterial Switch and Ross Procedures: Emerging Postoperative Problems of the Neo-Aortic Root and Coronary Arteries
Meryl S. Cohen, M.D.

9:20 a.m.  Aortic Root Replacement in ACHD
Glen Van Arsdell, M.D.

9:40 a.m.  Techniques and Results of Aortic (and neo-Aortic) Valve Surgery in ACHD
David Barron, M.D.

10 a.m.  What Impact Will Percutaneous Valves Have in the Left Heart?
Eric Horlick, M.D.

10:20 a.m.  Panel Discussion

10:30 a.m.  Break

Sequelae of Repairs Beginning in the 1960's-1970's

10:30 a.m.  Anatomic Specimens on the Heart Cam® – Transposition and Single Ventricle
Paul M. Weinberg, M.D.

11 a.m.  In the Long Run, Will Mustard/Senning Outperform the Arterial Switch?
Carole A. Warnes, M.D.

11:20 a.m.  Which Atriopulmonary Fontans Should be Converted?
Barbara J. Deal, M.D.

11:40 a.m.  Protein Losing Enteropathy After the Fontan Procedure: Etiology and Current Treatment
Jack Rychik, M.D.

Important Recent Research in ACHD – Part II - Harald Kaemmerer, MD and Richard Donner, MD

Noon  Featured Topic #4
Presented by Michael G. Earing, M.D.

12:15 p.m.  Featured Topic #5
Presented by Jamil AboulHosn, M.D.

12:30 p.m.  Featured Topic #6
Presented by Joseph Kay, M.D.

Day 2 - Thursday, May 31, 2007
12:45 p.m.  Lunch
Poster Session #2
**Common Issues in ACHD**  
Chairperson: Samuel Siu, M.D.

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<td>1:45 p.m.</td>
<td>Special Considerations in Women with CHD Contraception</td>
<td>Sara Thorne, M.D.</td>
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<td>2:15 p.m.</td>
<td>Family Planning and Counseling</td>
<td>Carole A. Warnes, M.D.</td>
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<td><strong>Pregnancy and ACHD</strong></td>
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<td>Jolien Roos-Hesselink, M.D., Ph.D.</td>
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<td>2:45</td>
<td>What the Surgeon Needs to Know (and Doesn’t Need to Know) Prior to</td>
<td>Pedro J. Del Nido, M.D.</td>
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<td>Re-Do Surgery in ACHD</td>
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<td>3:15</td>
<td>What the ACHD Practitioner Needs to Know About 22q11 Deletion (DiGeorge Syndrome)</td>
<td>Elizabeth Goldmuntz, M.D.</td>
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<td>3:45</td>
<td>What We Have Learned Today</td>
<td>Sara Thorne, M.D.</td>
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<td>4:00 PM</td>
<td>Break</td>
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Day 2 - Thursday, May 31, 2007
4:30-6:00 Simultaneous Breakout Sessions

Session I: Case Discussions - Moderator: Gary Webb

Faculty Will Discuss Pre-submitted Cases: Audience Participation Encouraged

Panel: Jane Somerville, M.D., Glen Van Arsdell, M.D., Pedro J. del Nido, M.D., Louise Harris, M.D. and Jonathan J. Rome, M.D.

Session II: Heart Failure and ACHD - Moderator: Kenneth Margulies, M.D.

Medical Management
Lee Goldberg, M.D.

Surgical Management/Update on Ventricular Assist in ACHD
J. William Gaynor, M.D.

Transplantation in ACHD
Daniel Dries, M.D.

Identifying Patients with Pacemakers-Induced Ventricular Dysfunction
Maully Shah, M.D.

Session III: Electrophysiology - Moderator: Joshua M. Cooper, M.D.

Which ACHD Patients Need an ICD?
Berardo Sarubbi, M.D., Ph.D.

Debate: Holter Monitors Should be Done Regularly in ACHD Patients
Pro: Victoria L. Vetter, M.D.
Con: Michael A. Gatzoulis, M.D., Ph.D.

Identifying Patients with Pacemakers-Induced Ventricular Dysfunction
Maully Shah, M.D.

Session IV: Cardiovascular Nursing Research in ACHD - Moderator: Yvonne Balon, R.N., B.N., M.N.

Setting Up a Research Project: From Idea to Implementation
Joy Lyon, R.N., Ph.D.

Subjects: How to Attract and Keep Them
Lynn Simko, R.N., Ph.D.

Grant Writing 101
Kathy Mussatto, R.N.

How to Disseminate Your Results
Kristien Van Deyk, M.Sc., R.N.

6 p.m. Adjourn/Dinner on your own

6:30 pm Nursing Reception and Dinner
Day 3 - Friday, June 1, 2007

8 a.m.-12:30 p.m. - Simultaneous Breakout Sessions

Session I: Forging a Patient and Provider Partnership
Chairperson: Gary Webb, M.D.

8:00  What We Hope to Learn Today
      Yvonne Balon, R.N., B.N., M.N.

Part I: Practical Issues Facing Our Patients

8:15  What are Truly Important “Outcomes” in ACHD: How to Assess Quality of Life
      Philip Moons, Ph.D., R.N.

8:40  Making Information Available about ACHD Clinics
      George Warren, M.D.

Part II: The Missed Appointment: Why Does It Happen and What Can We Do About It?

9:00  Perspectives of an Adult Cardiologist
      Jack M. Colman, M.D.

9:10  Perspectives of a Pediatric Cardiologist
      James C. Perry, M.D.

9:20  Perspective of an ACHD Physician’s Assistant
      Susan M. Fernandes, P.A.-C.

9:30  Perspective of a Psychologist
      Adrienne Kovacs, Ph.D.

9:40  Perspective of a Patient
      Donna Smith (representing ACHA)

9:50  Panel Discussion

Session II: ACHD Potpourri/Favorite Talks
Chairperson: Michael A. Gatzoulis, M.D., Ph.D.

8 a.m.  What We Hope to Learn Today
        Glen Van Arsdell, M.D.

8:15 a.m.  Exercise Testing: When To Do It, How To Evaluate It, and What It Means
          Michael A. Gatzoulis, M.D., Ph.D.

8:45 a.m.  ECHO, CT, MRI and Angiography: State of the Art: Imaging the Adult with CHD in 2007
          Andrew Taylor, M.D.

          Andrew Redington, M.D.

9:45 a.m.  Tissue Doppler in ACHD – When Should It be Used?
          David Sahn, M.D.

10:15 a.m.  Adjourn

Day 3 - Friday, June 1, 2007
10:15 a.m.  Break/Poster Session #3

11 a.m.-12:30 p.m. - Simultaneous Breakout Sessions
Session I: Avoiding Another “Lost Generation”: Transition and Transfer of Pediatric CHD Patients
Moderators: Alison Knauth, M.D., Desirée Fleck, R.N., C.R.N.P.

11:00  Objectives of the Transition Process
       Gary Webb, M.D.

11:15  How to Design a Transition Program
       Adrienne Kovacs, Ph.D., C.Psych

11:30  Measuring the Effectiveness of a Transition Program
       Philip Moons, Ph.D., R.N.

11:45  What a Parent of a Pediatric CHD Patient Needs to Know About Transition & Transfer
       Parent TBD

12:00  How Patients Can Make Transition Happen
       Tom Grady, M.B.A. (representing ACHA)

Session II: ACHD Potpourri/Favorite Talks
Chairperson: Ziyad E. Hijazi, M.D.

11:00  ACHD Interventional Decisions, Outcomes, and Complications
       Eric Horlick, M.D.

11:30  Right Ventricular Remodeling Surgery and Prediction of Operative Outcomes
       Pedro J. del Nido, M.D.

12:00  Mechano-Electric Feedback in ACHD: From Basics to Therapeutics
       Berardo Sarubbi, M.D., Ph.D.

12:30 p.m.  Move to General Session Room

Original Oral Presentations in ACHD – Part III - David Sahn, M.D., Barbara J. Mulder, M.D., Ph.D.,
and Joy Lyon, R.N., Ph.D.

12:45 p.m.  Winning Abstract #3

1 p.m.  Winning Abstract #2

1:15 p.m.  Winning Abstract #1 - Outstanding Investigator Award

1:30 p.m.  What We Have Learned Today
       Erwin Oechslin, M.D.

1:45 p.m.  Participants Get Box Lunches for “Rapid-Fire” Breakout Sessions

Day 3 - Friday, June 1, 2007

Session I: Cardiac Arrhythmia Surgery - Moderator: Glen Van Arsdell, M.D.

Indications and Outcomes of the Maze Procedure
       Maully Shah, M.D.

Practical and Technical Challenges in Pacing ACHD Patients
       Louise Harris, M.D.
The Surgical Contribution to Late Arrhythmogenesis: Is it the Cut or the Underlying CHD Substrate?
Thomas L. Spray, M.D.

Session II: ACHD Cardiac MRI/CT - Moderator: Welton M. Gersony, M.D.

Pitfalls and Caveats in MRI
Mark A. Fogel, M.D.

Pitfalls and Caveats in CT
Harold Litt, M.D., Ph.D.

What to Expect in the Next Decade
Anne Marie Valente, M.D.

Session III: ACHD Exercise - Moderator: Jolien Roos-Hesselink, M.D.

The Six Minute Walk Test
Sara Thorne, M.D.

Cardiopulmonary Testing
Stephen M. Paridon, M.D.

Athletics and the CHD Patient
Jolien Roos-Hesselink, M.D.

Session IV: Educational Needs in ACHD (Nursing) - Moderator: Jeanine Harrison, R.N.

Developing an Educational Program
Kristien Van Deyk, M.Sc., R.N.

When to Start Educating the ACHD Patient
Lynn Simko, R.N., Ph.D.

Transition and Educational Needs of Former Patients
Selina Kikkenborg Berg, R.N., M.S.N.

2:45 p.m. Free Afternoon and Evening
Tours of The Children's Hospital of Philadelphia and The Hospital of the University of Pennsylvania
Day 4 - Saturday, June 2, 2007

Future Directions in ACHD
Chairperson: David Sahn, M.D.

8 a.m.  What We Hope to Learn Today
        Mary Cannobio, R.N., M.N.

8:15 a.m.  Biventricular Pacing in ACHD
           Seshadri Balaji, M.B.B.S.

8:45 a.m.  The Next Wave: Anticipating Long-term Morbidities associated with Current Pediatric CHD Management
           Gil Wernovsky, M.D.

9:15 a.m.  ACHD Research Questions that Need to be Answered
           Michelle Gurvitz, M.D., M.S.

9:30 a.m.  ACHD Research Questions that Need to be Answered
           Michael A. Gatzoulis, M.D., Ph.D.

9:45 a.m.  The Role that the CONCOR Database Will Play in the Next Decade
           Barbara J. Mulder, M.D., Ph.D.

10:15 a.m. Panel Discussion

10:30 a.m. Break

Hot Debates
11 a.m.  "The Transition Process Should Not Be a Priority for Pediatric Cardiologists and their Hospitals"
        Pro: Philip Moons, Ph.D., R.N.
        Con: Susan M. Fernandes, M.H.P., P.A.-C.

11:30 a.m.  "Women with CHD Need a Different Approach"
            Pro: Barbara J. Mulder, M.D., Ph.D.
            Con: Andrew Redington, M.D.

Noon     Lunch
Day 4 - Saturday, June 2, 2007

Afternoon Plenary Session
Chairperson: Folkert Meijboom, M.D.

1 p.m.  GOSH to GUCH – 50 Years with Cardiac Surgeons
        Jane Somerville, M.D.

1:20 p.m.  What the Adult Congenital Heart Association Will Achieve in the Next Decade
           Amy Verstappen, M.Ed.

1:40 p.m.  Designing a Contemporary ACHD Practice Essential Cardiovascular Elements
           Erwin Oechslin, M.D.

2 p.m.  Nursing Role
        Desirée Fleck, R.N., C.R.N.P.

2:20 p.m.  Which Consultants Do You Need?
           Joseph K. Perloff, M.D.

2:40 p.m.  What We Have Learned Today
           Michael Landzberg, M.D.

3 p.m.  Closing Reception
        Course in Review: Current Status and Future Directions for ACHD
        Gary Webb, M.D.

4:30 p.m.  Adjourn