

## GENERAL INFORMATION

### AMERICAN DISABILITIES ACT

If you require special accommodations to attend or participate in this CME activity, please provide information about your requirements to the Division of Pediatric Cardiology, Department of Pediatrics, University of Maryland Medical System, 22 South Greene Street, Baltimore, Maryland 21201-1595, Telephone 410-328-2399, FAX 410-328-0501 or (1-800-735-2258 TTY/Voice) at least five business days in advance of this activity.

### CONFLICT OF INTEREST STATEMENT

Alliance between a speaker and any commercial organization providing funding for this program must be disclosed for the purpose of determining the presence of bias or influence over the educational content. These disclosures, if any, are on file in the Program of Continuing Education office and may be reviewed by the target audience upon written request.

### DELTA AIRLINES MEETING SAVER FARES

Delta Airlines, in conjunction with Charles Center Travel and in cooperation with the University of Maryland, is offering a special meeting fare that allows a 10% discount off their standard, unrestricted business fares (i.e., their "B" fares) for attendees traveling within the United States.

Alternatively, Delta will offer 5% off any other published fare, including first class coach and coach excursion, subject to availability of seats. Advance purchase, non-refundability and other fare rules apply.

Travel to Orlando must be between March 19 and March 26, 1996. To ensure the best possible fare, reserve your tickets as early as possible.

CALL TOLL-FREE. . . IDENTIFY YOURSELF AS ATTENDING THE FETAL CARDIOLOGY SYMPOSIUM . . . 800-999-TRAV (8728)  
Locally in Maryland (410) 962-1011, FAX (410) 962-1029  
CHARLES CENTER TRAVEL, Baltimore, MD

### PARKING

There is no charge for self-parking. Valet parking is \$8 per night.

### FOR FURTHER INFORMATION

Write to the Division of Pediatric Cardiology, Department of Pediatrics, University of Maryland Medical System, 22 South Greene Street, Baltimore, Maryland 21201-1595, USA or call 410-328-2399 or FAX 410-328-0501.

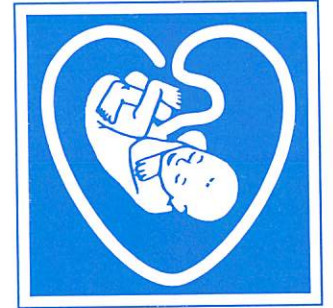


**9th International Fetal Cardiology Symposium**  
March 22-23, 1996 • Orlando, Florida  
*Immediately Preceding the Annual Meeting  
of the American College of Cardiology*

ROBERT ALAN JASON, MD  
1010 NORTHERN BLVD  
GREAT NECK, NY 11021-5306

Non-Profit Org.  
U.S. Postage  
PAID  
Baltimore, MD  
Permit # 1

# 9th International Fetal Cardiology Symposium



**March 22-23, 1996**  
**Orlando, Florida**  
**Walt Disney World Swan**

*Immediately Preceding the Annual  
Meeting of the American College of  
Cardiology*

*Sponsored by*  
**Division of Pediatric Cardiology**  
**Department of Pediatrics**  
**University of Maryland**  
**Medical Center**  
**and the**  
**University of Maryland School of Medicine**  
**Baltimore, Maryland**



**9th International Fetal Cardiology Symposium**  
March 22-23, 1996 • Orlando, Florida  
*Immediately Preceding the Annual Meeting  
of the American College of Cardiology*

**Dear Colleagues,**

We are pleased to bring together a superb international faculty to present a two-day symposium on the most up-to-date information in embryonic and fetal cardiac diagnosis and therapy. The epidemiology and genetics of cardiovascular malformations will be presented.

This year, we will have the special opportunity to review fetal cardiac anatomic specimens in proctored small group sessions. There will also be an emphasis on the ethical and legal implications of fetal diagnosis and therapy, with an opportunity for interchange between faculty and guests.

The field of fetal cardiology requires the close collaboration of pediatric cardiologists, perinatologists, obstetricians, radiologists, geneticists/dysmorphologists, ultrasonographers, and others to provide optimal prenatal evaluation, management, and counselling. The faculty represents this wide variety of disciplines. We look forward to sharing our expertise and experience with you in Orlando. I remain,

Sincerely yours,

Joel I. Brenner, MD  
Professor of Pediatrics  
Chief, Division of Pediatric Cardiology  
University of Maryland Medical Center

**PROGRAM**

**FRIDAY, MARCH 22, 1996**

- 7:30 AM Registration  
Continental Breakfast - Exhibits Open  
8:10 AM Welcome and Introduction  
Joel I. Brenner, MD

**Plenary Session I - Moderator: Joel I. Brenner, MD**

- 8:15 AM Normal Cardiac Development  
Adrianna Gittenberger-de Groot, MD, PhD  
8:45 AM First Trimester Investigation of Fetal Circulation  
Juriy W. Wladimiroff, MD, PhD  
9:15 AM Non-cardiac Malformations and Congenital Heart Disease  
Joshua A. Copel, MD  
9:45 AM Hemodynamic Regulation in the Embryo  
Edward B. Clark, MD  
10:15 AM Questions and Answers  
10:30 AM Break - Visit Exhibits

**Plenary Session II - Moderator: Joshua A. Copel, MD**

- 10:50 AM Left and Right Heart Hypoplasia  
Lindsey D. Allan, MD, FRCP  
11:20 AM Defects in Ventricular Septation  
Erik J. Meijboom, MD, PhD  
11:50 AM Complex Malformations  
Charles S. Kleinman, MD  
12:20 PM Questions and Answers  
12:30 PM Luncheon (provided)

**Simultaneous Session I - Physicians**  
Moderator: Edward B. Clark, MD

- 1:45 PM Case Management Discussion  
James C. Huhta, MD  
2:45 PM Abnormal Cardiac Development  
Adrianna Gittenberger-de Groot, MD, PhD  
3:15 PM Flow Patterns in the Embryonic Chick Heart  
Robert E. Poelmann, PhD  
3:45 PM Fetal Pathology: Review of Anatomic Specimens  
Adrianna Gittenberger-de Groot, MD, PhD  
Robert E. Poelmann, PhD

**Simultaneous Session II - Sonographers**  
1:45 - 2:45 PM & 3:00 - 4:00 PM

- Session A**  
Normal and Abnormal Cardiac Exam: What Constitutes a Complete Study?  
Joyce M. Cordier, BS, RDMS  
Karen B. O'Neil, RDMS  
**Session B**  
Fetal Heart Screening: The Two Minute Study  
Dennis C. Wood, RDMS, RCPT

During these sessions, demonstration and discussion of normal and abnormal cardiac anatomy from experienced sonographers will be presented.

4:30 PM Day's Adjournment

**SATURDAY, MARCH 23, 1996**

- 8:00 AM Registration  
Continental Breakfast - Visit Exhibits

**Plenary Session III - Moderator: Erik J. Meijboom, MD, PhD**

- 8:30 AM Prevalence and Outcome of Infants with Congenital Heart Disease  
Joel I. Brenner, MD  
9:00 AM Maternal Diabetes and Lupus  
Joshua A. Copel, MD  
9:30 AM Fetal Arrhythmias: Diagnosis and Management  
Charles S. Kleinman, MD  
10:00 AM Questions and Answers  
10:15 AM Break - Visit Exhibits

**Fetal Pathology Exhibit**

10:00 - 10:45 AM  
Presented by  
Adrianna Gittenberger-de Groot, MD, PhD  
Robert E. Poelmann, PhD

**Plenary Session IV - Moderator: Juriy W. Wladimiroff, MD, PhD**

- 10:45 AM Ethical and Legal Implications of Fetal Diagnosis  
Karen H. Rothenberg, JD, MPA  
11:15 AM Panel: Ethical/Legal Decision Making  
Moderator: Karen H. Rothenberg, JD, MPA  
Panelists: Lindsey D. Allan, MD, FRCP  
James C. Huhta, MD  
Charles S. Kleinman, MD  
12:15 PM Luncheon (provided)

**Plenary Session V - Moderator: Charles S. Kleinman, MD**

- 1:30 PM Genetics  
Beverly S. Emanuel, PhD  
2:00 PM Abnormal Fetal Circulation  
Juriy W. Wladimiroff, MD, PhD  
2:30 PM Fetal Three Dimensional Echocardiography  
Mark S. Sklansky, MD  
2:45 PM Invasive Fetal Therapy  
Edward D. Verrier, MD  
3:15 PM Fetal Decompensation  
James C. Huhta, MD  
3:45 PM The Politics of Fetal Research  
Edward B. Clark, MD  
4:15 PM Questions and Answers  
4:45 PM Conference Adjournment

# SYMPOSIUM VENUE & LODGING ACCOMMODATIONS

WALT DISNEY WORLD SWAN  
1200 EPCOT RESORTS BOULEVARD  
LAKE BUENA VISTA, FLORIDA 32830  
Telephone: 407-934-3000/800-248-7926  
FAX: 407-934-4499



In a place as exciting as it is restful, imagined as it is real, the WALT DISNEY WORLD SWAN lies in the midst of one of the most dynamic destinations in the world, the WALT DISNEY WORLD® Resort. Gentle waterways link the WALT DISNEY WORLD SWAN to EPCOT® and the Disney-MGM Studios. The MAGIC KINGDOM® Park is moments away by shuttle and so are the many other exciting Disney locations. Even more importantly, this location at the EPCOT Resort Area gives you all the exclusive benefits that come from being within the Walt Disney World Resort.

- Complimentary transportation to Disney theme parks
- Disney guest service and ticket desk in lobby
- Preferred tee times on five nearby championship DISNEY golf courses
- A beachfront rock-sculpted pool with rental watercraft
- Outdoor pool and pool bar
- Outdoor kiddie pool
- Outdoor hot tubs
- Tennis Center with lighted courts
- Fitness Center
- Camp Swan providing supervised children's activities
- Video Game Room
- Three unique dining establishments
- Palio - A fine Italian Bistro
- Garden Grove Cafe - American cuisine in a casual setting
- Splash Grill - poolside cafe for a quick meal
- Kimonos - exotic Oriental lounge and Sushi Bar
- Lobby Court Lounge - perfect for people to watch and relax
- 24-Hour Room Service
- Styling Salon
- The Disney Cabana Gift Shop & Resort Wear
- National Car Rental Desk

Registrants requiring hotel accommodations must complete the hotel reservation form and mail directly to the Reservation Department at the WALT DISNEY WORLD SWAN.

**Reservations must be received by February 16, 1996. Reservations made after that date will be made on a space available basis. There is a requirement of an advance deposit for the first night's room and tax. Deposits are fully refundable if a room is cancelled five days or more prior to the arrival date.**

Hotel check-in time is after 3:00 p.m. Check-out time is before 11:00 a.m. Should your room not be available when you arrive, you can store your luggage with the Bell Captain.

Registrants attending the annual meeting of the American College of Cardiology will need to complete two hotel reservations forms: the one for the Fetal Cardiology Symposium and the ACC's housing form. Reservations for Saturday night at the WALT DISNEY WORLD SWAN are available, but limited, and will be accepted on a space available basis.

In the event you wish to stay at the WALT DISNEY WORLD SWAN during the ACC, we encourage you to make your hotel reservations for the week of the ACC as soon as possible.

Should you be making a telephone reservation, it is necessary that you mention the name of the group in order to secure rates that apply. Do not send the hotel reservation form if you have made a telephone reservation. This prevents a duplication of your reservation. Thank you!

## FACULTY

**Lindsey D. Allan, MD, FRCP**  
Professor of Pediatrics  
Division of Pediatric Cardiology  
Columbia Presbyterian Medical Center  
New York, New York

**Joel I. Brenner, MD**  
Professor of Pediatrics  
Chief, Division of Pediatric Cardiology  
University of Maryland Medical Center  
Baltimore, Maryland

**Edward B. Clark, MD**  
Professor of Pediatrics  
Chief, Division of Pediatric Cardiology  
University of Rochester  
Rochester, New York

**Joshua A. Copel, MD**  
Professor of Obstetrics and Gynecology  
Chief, Maternal-Fetal Medicine  
Yale University School of Medicine  
New Haven, Connecticut

**Joyce M. Cordier, BS, RDMS**  
Echocardiographer  
Departments of Pediatrics and Obstetrics and Gynecology  
University of Maryland Medical System  
Baltimore, Maryland

**Beverly S. Emanuel, PhD**  
Professor of Pediatrics in Human Genetics  
University of Pennsylvania  
School of Medicine  
Philadelphia, Pennsylvania

**Adriana Gittenberger-de Groot, MD, PhD**  
Professor of Embryology and Anatomy  
University of Leiden  
Faculty of Medicine  
Leiden, The Netherlands

**James C. Huhta, MD**  
Clinical Professor of Pediatrics and Obstetrics and Gynecology  
University of Pennsylvania School of Medicine  
Perinatal Cardiology  
Pennsylvania Hospital  
Philadelphia, Pennsylvania

**Charles S. Kleinman, MD**  
Professor of Pediatrics, Obstetrics and Noninvasive Imaging  
Chief, Division of Pediatric Cardiology  
Yale University School of Medicine  
New Haven, Connecticut

**Erik J. Meijboom, MD, PhD**  
Consultant Pediatric Cardiologist  
Wilhelmina Children's Hospital  
University of Utrecht  
Utrecht, The Netherlands

**Karen B. O'Neil, RDMS**  
Pediatric Echocardiographer  
Division of Pediatric Cardiology  
Department of Pediatrics  
University of Maryland Medical System  
Baltimore, Maryland

**Robert E. Poelmann, PhD**  
Associate Professor of Anatomy and Embryology  
University of Leiden  
Faculty of Medicine  
Leiden, The Netherlands

**Karen H. Rothenberg, JD, MPA**  
Majorie Cook Professor of Law (on leave)  
Director, Law and Healthcare Program  
University of Maryland School of Law  
Baltimore, Maryland  
Special Assistant to the Director  
Office of Research on Women's Health  
National Institutes of Health  
Bethesda, Maryland

**Mark S. Sklansky, MD**  
Assistant Professor of Pediatrics  
Division of Pediatric Cardiology  
University of California, San Diego  
San Diego, California

**Edward D. Verrier, MD**  
Professor and Vice Chairman  
Department of Surgery  
Chief, Division of Cardiothoracic Surgery  
University of Washington School of Medicine  
Seattle, Washington

**Dennis C. Wood, RDMS, RCPT**  
Technical Director of Perinatal Cardiology  
Pennsylvania Hospital  
Coordinator, Fetal Heart Screening Program  
Southern New Jersey Perinatal Cooperative  
Philadelphia, Pennsylvania

**Juriy W. Wladimiroff, MD, PhD**  
Professor of Obstetrics and Gynecology  
Erasmus University  
Rotterdam, The Netherlands

# MEETING REGISTRATION FORM

9TH INTERNATIONAL FETAL CARDIOLOGY SYMPOSIUM  
March 22 - 23, 1996

	On or before February 2, 1996	After February 2, 1996
Physicians	\$340	\$375
Residents and Ultrasonographers	\$240	\$275
Amount Enclosed:	\$ _____	
Method of Payment:		

Check  Intern't'l Draft  Government Voucher

Make check payable to: **UMAB Fund-Fetal Cardiology.**

Foreign payments must be made with an international draft in U. S. currency payable through a U.S. bank.

Are you a graduate of the University of Maryland School of Medicine?

Yes  No

PLEASE PRINT OR TYPE

First Name/Name wanted on badge Middle Initial Last Name/Degree(s)

Department

Institution

Street Address

City State/Province Postal Code

Country

Area Code/Telephone Area Code/FAX

Specialty Social Security Number

Please complete and mail with payment to:

9th International Fetal Cardiology Symposium  
Division of Pediatric Cardiology  
Department of Pediatrics  
University of Maryland Medical System  
22 South Greene Street  
Baltimore, MD 21201-1595, USA

# HOTEL RESERVATION FORM

9th INTERNATIONAL FETAL  
CARDIOLOGY SYMPOSIUM  
MARCH 22 - 23, 1996



Complete and Mail Directly to:

Reservation Department • WALT DISNEY WORLD SWAN •  
1200 EPCOT Resorts Boulevard • Lake Buena Vista, Florida 32830  
Telephone: 407-934-3000/800-248-7926  
FAX: 407-934-1399 (for reservations only)

The room rate is \$190 for double or single occupancy. All rates are subject to 11% tax (6% sales tax and 5% resort tax). Please check accommodation requested:

Single  Double  Non-smoking  
 Two queen beds  One king bed

Special Instructions \_\_\_\_\_  
(Every effort will be made to confirm room type desired, but cannot be guaranteed.)

Name \_\_\_\_\_

Home Address \_\_\_\_\_

City State/Province \_\_\_\_\_

Postal Code Country \_\_\_\_\_

Home Phone Business Phone \_\_\_\_\_

Arrival Date Departure Date \_\_\_\_\_

Deposit Enclosed \$ \_\_\_\_\_  
(make check payable to: Walt Disney World Swan)  
I will pay my deposit with a credit card as follows:

Am Exp  MasterCard  Visa  JCB/JAL  
 CB/Diners  Enroute  Discover

Card Holder Name (Name on card must match name on reservation!) \_\_\_\_\_

Account No. \_\_\_\_\_ Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_

# REGISTRATION, ACCREDITATION

## REGISTRATION

Date: Friday, March 22, 1996

Time: 7:30 AM

Place: WALT DISNEY WORLD SWAN  
Swan Ballroom  
1200 EPCOT Resorts Boulevard  
Lake Buena Vista, Florida 32830  
Telephone: 407-934-3000  
FAX: 407-934-4499



	On or before February 2, 1996	After February 2, 1996
Physicians	\$340	\$375
Residents and Ultrasonographers	\$240	\$275

Checks must be made payable to UMAB Fund-Fetal Cardiology and forwarded to 9th International Fetal Cardiology Symposium, Division of Pediatric Cardiology, Department of Pediatrics, University of Maryland Medical System, 22 South Greene Street, Baltimore, Maryland 21201-1595, USA.

Foreign payments must be made with an international draft in U.S. currency payable through a U.S. bank.

The total registration fee is payable in advance and includes the cost of instructional materials, breaks, continental breakfasts, and lunches. A \$50 handling fee will be withheld from registration refunds paid to those who cancel their registration on or before March 11, 1996. After that date, no refund will be made. All cancellations must be made in writing and forwarded to 9th International Fetal Cardiology Symposium, Division of Pediatric Cardiology, Department of Pediatrics, University of Maryland Medical System, 22 South Greene Street, Baltimore, Maryland 21201-1595, USA.

Early pre-registration is encouraged since conference facilities necessitate limited enrollment. Participants who are not pre-registered will be admitted on a space available basis.

Funds for this program are administered by the University of Maryland Foundation, Inc. A copy of the Foundation's current financial statement is available by writing to the University of Maryland Foundation, Inc. at 3300 Metzger Road, Adelphi, MD 20783 or by contacting the Secretary of State referencing # 5471.

## ACCREDITATION

The Program of Continuing Education (PCE), University of Maryland School of Medicine, is accredited by the Accreditation Council for Continuing Medical Education (ACCM) to sponsor continuing medical education for physicians. The PCE designates this continuing medical education activity for 12.5 credit hours in Category 1 of the Physician's Recognition Award of the American Medical Association.