



The Society For Pediatric Radiology

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The SPR Research and Education Foundation

Re: 16th SPR HANDS-ON CARDIAC MR BASIC COURSE

The Society for Pediatric Radiology (SPR) and the UCSF Benioff Children's Hospital Oakland (BCHO) are pleased to co-sponsor the **16th SPR Hands-on Cardiac MR Basic Course**. Organized by the Departments of Diagnostic Imaging and Divisions of Cardiology at the UCSF Benioff Children's Hospital Oakland, The Hospital for Sick Children in Toronto, Lurie Children's Hospital of Chicago, Texas Children's Hospital in Houston, and Nationwide Children's Hospital in Columbus, the Hands-on basic course will be held at the Children's Hospital (BCHO) Walnut Creek Campus in Walnut Creek, California, October 9th - 11th, 2018

This is a **three-day intensive course** with the goals of reviewing the necessary basic knowledge of heart disease in children and illustrating the practical use of MR for morphologic, functional, and hemodynamic evaluation. The course will consist of didactic lectures, free-form discussion sessions, interactive MR scanning, and hands-on post processing sessions. Please refer to the enclosed attachments for details of the program. At the completion of the course, the attendees should feel confident in initiating a cardiovascular MR program at their respective institutions to support the increasing demands for cardiovascular MR imaging in recent years. In addition, through this symposium, the organizers hope to create a communication and support network for radiologists and cardiologists pertaining to issues in the clinical practice of cardiovascular imaging.

All registrants are automatically registered for the "14th Advanced Symposium on Pediatric Cardiovascular Imaging" that will be held also at Walnut Creek (Renaissance Club Sport Hotel) on October 12-14th immediately following this Symposium. **All the registrants for the 16th Basic Course are required to attend the 14th Advanced Symposium without exception. No additional registration fee for the Advanced Symposium is required. Therefore, the time commitment is a total of 6 days from October 9th - 14th, 2018.**

Attendance will be limited to 18 people to ensure ample opportunity for hands-on experience and discussions. Priority will be given to the radiologists and cardiologists who are primarily responsible for cardiac imaging in their departments. **Application form needs to be accompanied by a supporting letter from the department chief.** We encourage interested institutions to sponsor one pediatric radiologist and/or cardiologist to attend. If the number of applicant exceeds the 18 allotted slots, there will be a selection process undertaken by the co-directors of the Basic Course. Deadline of application is June 30th and notification will be sent out by e-mail by July 15th.

For further information about the course and registration form, please visit the web site: (www.pedrad.org) or contact Ms. Christina Houston (chouston@mail.cho.org), the Administration Assistant to Dr. Taylor Chung. We look forward to having a highly educational and productive symposium.

Sincerely,

Ronald Cohen, M.D.
Medical Director
Department of Diagnostic Imaging
UCSF Benioff Children's Hospital Oakland



THE 16TH SPR HANDS-ON CARDIAC MR BASIC COURSE

October 9 - 11, 2018

UCSF Benioff Children's Hospital Oakland, Oakland, California, USA

Organized by:

Department of Diagnostic Imaging and Division of Cardiology of the UCSF Benioff Children's Hospital Oakland (BCHO)

Department of Diagnostic Imaging, and Division of Cardiology, Department of Pediatrics, The Hospital for Sick Children (HSC)

Department of Medical Imaging, and Division of Cardiology, Department of Pediatrics, Lurie Children's Hospital of Chicago (Lurie)

Department of Radiology and Division of Cardiology, Texas Children's Hospital (TCH)
Department of Radiology and Division of Cardiology, Nationwide Children's Hospital (NCH)

Jointly Provided by: The Society for Pediatric Radiology

Hosted by: UCSF Benioff Children's Hospital Oakland

Program Local Directors: Taylor Chung, Gregory Kurio

Organizing Committee: Taylor Chung, Gregory Kurio (BCHO)
Mike Seed, Lars Grosse-Wortmann (HSC)
Cynthia Rigsby, Joshua Robinson (Lurie)
Rajesh Krishnamurthy, Han Kor (NCH)

Objectives:

This Basic Course will provide the selected attendees an opportunity to acquire practical knowledge and techniques in pediatric cardiovascular MR.

Learning Objectives:

Summarize the basics of pediatric cardiovascular medicine for imaging.
Review MR physics as applicable to cardiovascular MR imaging.
Discuss standard cardiovascular MR protocols.
Practice MR scanning and post-processing of acquired data.
Review MR features of selected pathologic conditions.
Gain exposure to the latest developments in pediatric cardiovascular MR.
Develop network for future collaboration.

CME: This program will be submitted for CME credit. Credit details are pending approval.

Registration Fee: US \$ 1,400

(This includes registration for the 14th SPR Advanced Symposium on Pediatric Cardiovascular Imaging, Oct 12-14, 2018.)

Application Deadline: June 30th, 2018

Notification of acceptance: July 15th, 2018

Locations:

Lectures: Renaissance ClubSport Hotel, Walnut Creek, California

Hands-on Sessions: UCSF Benioff Children's Hospital Walnut Creek Campus, Walnut Creek, California

THE 16TH SPR HANDS-ON CARDIAC MR BASIC COURSE
October 9 - 11, 2018

Invited Faculty:

Lorna Browne, Radiologist, Children's Hospital of Colorado, Denver, USA
Gordon Culham, Radiologist, British Columbia Children's Hospital, Vancouver, Canada
Mark Fogel, Cardiologist, Children's Hospital of Philadelphia, Philadelphia, USA
Han Kor, Cardiologist, Nationwide Children's Hospital, Columbus, USA
Rajesh Krishnamurthy, Radiologist, Nationwide Children's Hospital, Columbus, USA
Vivek Muthurangu, Cardiologist, Great Ormond St Hospital for Sick Children, London, UK
Cory Noel, Cardiologist, Texas Children's Hospital, Houston, USA
Andrew Powell, Cardiologist, Boston Children's Hospital, Boston USA
Cynthia Rigsby, Radiologist, Lurie Children's Hospital of Chicago, Chicago, USA
Mike Seed, Radiologist and Cardiologist, The Hospital for Sick Children, Toronto, Canada
Joshua Robinson, Cardiologist, Lurie Children's Hospital of Chicago, Chicago, USA
Shi-Joon Yoo, Radiologist, The Hospital for Sick Children, Toronto, Canada

Local Faculty:

Neil Cambronero, Cardiac Surgeon
Taylor Chung, Radiologist
Gregory Kurio, Cardiologist

HOTEL INFORMATION:

A block of hotel rooms will be available at the Renaissance ClubSport Hotel for the rate of **\$176 + tax per night**; Click on the link **[Book your group rate for UCSF Benioff Children's Hospital Oakland](#)**

Transportation between Renaissance ClubSport Hotel and UCSF Benioff Children's Hospital Walnut Creek Campus will be available.

FURTHER INFORMATION

Please contact Ms. Christina Houston chouston@mail.cho.org.



16TH SPR HANDS-ON CARDIAC MR BASIC COURSE
October 9 - 11th, 2018

APPLICATION FORM

The completed registration form must be accompanied by a supporting letter of recommendation from your department chief.

Last Name: _____ First Name: _____

Current position: _____

Affiliated Hospital: _____

2018 SPR membership status: Full member Corresponding member No SPR membership

Mailing address: _____
_____ Zip Code: _____

Tel: _____ Fax: _____ E-mail: _____

Questions about you:

You are a: Pediatric Radiologist Pediatric Cardiologist General Radiologist
 General Radiologist Adult Cardiologist Other _____

Prior training for cardiovascular MR: None If yes, specify _____

Proportion of cardiac imaging in your practice: >75 % 50-75% 25-50% <25%

Proportion of cardiac MR imaging in your practice: >75 % 50-75% 25-50% <25%

Years of experience in cardiac imaging: _____

Years of experience in cardiac MR imaging: _____

MR scanner(s) you use for cardiac imaging:

GE Philips Siemens Others None

Number of cardiac MR studies in a month: _____

Most frequent indications of cardiac MR requests in your practice:

1. _____ 2. _____

Application Deadline: June 30th, 2018 (Acceptance notification by e-mail by July 15th)
Please return all registration forms to Ms. Christina Houston by mail or e-mail.

Contact Person for Registration:

Christina Houston

Health Information System (HIS)
UCSF Benioff Children's Hospital Oakland
747 52nd Street
Oakland, California 94609, USA
Tel: 510-428-3885 Ext. 6740
Fax: 510-601-3968
E-mail: chouston@mail.cho.org

Inquiry for Program:

Taylor Chung, MD

Department of Diagnostic Imaging
UCSF Benioff Children's Hospital Oakland
747 52nd Street
Oakland, California 94609, USA
Tel: 510-428-3410
Fax: 510-601-3968
E-mail: tchung@mail.cho.org

CREDIT CARD PAYMENT INFORMATION FORM

DATE OF TRANSACTION: _____/_____/_____

TYPE OF CREDIT CARD (Mark One): MASTERCARD VISA
AMERICAN EXPRESS DISCOVER CARD

CREDIT CARD NUMBER: _____ / _____ / _____ /
_____ (Please Enter in Groups of 4 Digits)

NAME ON CARD: _____

Expiration Date _____ / _____ (MM/YY)

Security Code (on back of card): _____

Card Billing Address: _____

Daytime Phone Number: (_____) _____ - _____

Amount to be charged: \$1,400

Purpose of Payment: *16TH SPR HANDS-ON CARDIAC MR BASIC
COURSE and 14th Advanced Symposium*

Payment be applied to Chori Account 12.7705

Please forward completed form to Christina Houston Chouston@mail.cho.org
processing will be completed by the Lydia Rubio-Hospital Cashier

16th SPR Hands-On Course on Pediatric Cardiovascular MR Preliminary Program

Tuesday, October 9, 2018

7:30-8:00 a.m. *Registration and Continental breakfast*

Foundation I

8:00-8:15 a.m. Welcome and Introduction to Symposium – Taylor Chung, Gregory Kurio
8:15-9:00 a.m. Normal cardiac anatomy for imaging – Shi-Joon Yoo
9:00-9:45 a.m. Segmental approach to congenital heart disease and terminology – Rajesh Krishnamurthy
9:45-10:00 a.m. Discussion

10:00-10:30 Break

Foundation II

10:30 – 12:00 p.m. Parallel sessions of Basic MR Physics and Basic CV hemodynamics / Surgical Repairs

10:30-12:00 p.m. MR physics, made easy for the MR beginners – Taylor Chung
10:30-11:15 a.m. Basics of cardiac function and hemodynamics – Gregory Kurio
11:15-12:00 p.m. Common types CHD surgery for imager – Neil Cambroner

12:00-1:00 p.m. Lunch

Foundation III

1:00-3:15 p.m. Practical MR physics for cardiovascular imaging – Taylor Chung

3:15-3:45 p.m. Break

3:45-4:30 p.m. MR protocol for ventricular functional assessment – Lorna Browne
4:30-5:15 p.m. MR protocol for blood flow assessment – Vivek Muthurangu
5:15-5:45 p.m. Numbers games with MR data – Shi-Joon Yoo
5:45-6:00 p.m. Discussion - All faculty

7:00-9:00 p.m. Welcome Dinner - Attendees and faculty



16th SPR Hands-On Course on Pediatric Cardiovascular MR Preliminary Program

Wednesday, October 10, 2018

Small Group Practicum @ out-patient imaging center

Group 1

8:30-11:50 a.m. Interactive MR scanning – Taylor Chung, Shi-Joon Yoo, Lorna Browne

Groups 2 and 3 Basic Lectures Moderated by Mike Seed

8:30-9:00 a.m. MR protocol for contrast-enhanced angiography – Rajesh Krishnamurthy

9:00-10:00 a.m. MR evaluation of repaired tetralogy of Fallot – Mike Seed

10:00-10:20 a.m. Break and Discussions

10:20-11:10 a.m. MR evaluation for single ventricle repair through the stages – Mark Fogel

11:10-11:50 a.m. MR of aortic valve diseases and obstructive lesions of the aortic arch – Andrew Powell

All Groups

11:50-12:20 p.m. MR evaluation of cardiomyopathies -Han Kor

12:20-1:20 p.m. Lunch

Small Group Practicum @ out-patient imaging center- ALL GROUPS

1:20-4:50 p.m. Practicum: small group courses

Group 1: Hands-on Post processing - Kurio, Browne, Yoo, Noel, Culham, Muthurangu

Group 2: Interactive MR scanning - Chung, Fogel, Kor

Group 1: Case Studies - Rigsby, Robinson

4:50-5:20 p.m. End of day discussion – All faculty



16th SPR Hands-On Course on Pediatric Cardiovascular MR Preliminary Program

Thursday, October 11, 2018

Small Group Practicum @ out-patient imaging center – ALL GROUPS

8:30-11:50 a.m. Practicum: small group courses

Group 1: Case Studies - Rigsby, Robinson, Kor

Group 2: Hands-on post processing - Kurio, Noel, Krishnamurthy, Muthurangu, Culham, Browne

Group 3: Interactive MR scanning - Chung, Seed, Powell

All Groups

11:50-12:20 p.m. Putting all together and creating a report – Andrew Powell

12:20-1:20 p.m. Lunch

Small Group Practicum @ out-patient imaging center

Groups 2 and 3

1:20-5:20 p.m. Practicum: small group courses

Group 2: Case Studies - Rigsby, Robinson

Group 3: Hands-on post processing - Kurio, Noel, Browne, Yoo, Culham

Group 1

Basic Lectures Moderated by Mike Seed

1:20-1:50 p.m. MR protocol for contrast-enhanced angiography – Rajesh Krishnamurthy

1:50-2:50 p.m. MR evaluation of repaired tetralogy of Fallot – Mike Seed

2:50-3:10 p.m. Break

3:10-3:55 p.m. MR evaluation for single ventricle repair through the stages – Mark Fogel

3:55-5:50 p.m. MR of aortic valve diseases and obstructive lesions of the aortic arch – Andrew Powell

4:50-5:20 p.m. ***Extended Discussions, Questions & Answers / Comments on the Course/Adjourn***

PLEASE NOTE:

All attendees are automatically enrolled to the 14th Advanced Symposium on Pediatric Cardiovascular Imaging on October 12-14, 2018 as a part of the 1th SPR Hands on Course without any additional registration process or fees. Attendance to Advanced Symposium is required.

