

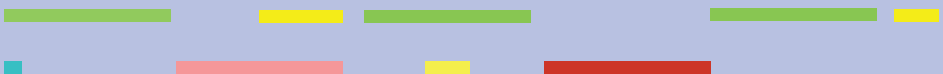


# Imaging of Child Abuse: Fact, Fiction and Responsible Action

Presented by The Society for Pediatric Radiology  
Endorsed by the American Academy of Pediatrics



February 4-5, 2012  
Hyatt Regency Orlando International Airport  
Orlando, Florida



*Jointly sponsored by the American College of Radiology*

# TARGET AUDIENCE

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The target audience for this program includes pediatric radiologists, general radiologists, pediatricians, emergency room physicians, radiologic technologists, health care professionals and legal professionals.

# OBJECTIVES

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Upon completion of the course, participants will be able to:

1. Describe the neurologic, skeletal and visceral injury patterns seen with physical child abuse.
2. Recognize the mechanisms and know the pattern specificities of abusive injuries.
3. Identify the metabolic diseases, dysplasias, accidental injuries and normal variants that may simulate abuse.
4. Apply new imaging techniques and algorithms for the evaluation of suspected abuse.
5. Describe the legal definitions and processes in cases of abuse.
6. Define the parameters that constitute responsible expert witness testimony in cases of alleged child abuse.

# CONTINUING MEDICAL EDUCATION

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## **Accreditation Statement**

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the American College of Radiology and The Society for Pediatric Radiology. The American College of Radiology is accredited by the ACCME to provide continuing medical education for physicians.

## **Designation Statement**

The American College of Radiology designates this live educational activity for a maximum of 13 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The ACR designates this educational activity as meeting the criteria for up to 12.5 Category A credit hours of the ARRT.

# PROGRAM COMMITTEE

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## **COURSE DIRECTOR**

***Jeannette M. Perez-Rossello, MD***

Staff Radiologist  
Children's Hospital Boston  
Instructor in Radiology  
Harvard Medical School  
Boston, MA

## **ASSOCIATE COURSE DIRECTOR**

***Paul K. Kleinman, MD***

Division Chief, Musculoskeletal Imaging  
Children's Hospital Boston  
Professor of Radiology  
Harvard Medical School  
Boston, MA

## INVITED FACULTY

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**Robert W. Block, MD, FAAP**

President, American Academy of Pediatrics  
Professor Emeritus Pediatrics  
University of Oklahoma School of Community Medicine  
Tulsa, OK

**Ingrid A. Holm, MD, MPH**

Director, Phenotyping Core, Program in Genomics  
Children's Hospital Boston  
Assistant Professor of Pediatrics  
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**Brian Holmgren, JD**

Assistant District Attorney General  
Advisory Board, National Center on Shaken Baby Syndrome  
Nashville, TN

**Kent P. Hymel, MD**

Medical Director  
Child Advocacy and Protection Program  
Dartmouth-Hitchcock Medical Center  
Professor of Pediatrics  
Dartmouth Medical School  
Lebanon, NH

**Joëlle Anne Moreno, JD**

Associate Dean for Research and Faculty Development and  
Professor of Law  
Florida International University  
Miami, FL

**Louis-Gilbert Vezina, MD**

Director, Program in Neuroradiology  
Children's National Medical Center  
Professor of Radiology and Pediatrics  
George Washington University  
Washington, DC

## SPR MEMBER FACULTY

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**Judith A. Craychee, MD**

Staff Radiologist  
Arkansas Children's Hospital  
Assistant Clinical Professor  
University of Arkansas for Medical Sciences  
Little Rock, AR

**P. Ellen Grant, MD**

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**Gary L. Hedlund, DO**

Division Chief, Neuroradiology  
Primary Children's Medical Center  
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Salt Lake City, UT

**Katherine Nimkin, MD**

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Assistant Clinical Professor of Radiology  
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**Sabah E-Noor Servaes, MD**

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Assistant Professor of Clinical Radiology  
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Assistant Professor of Radiology  
University of Massachusetts Medical School  
Worcester, MA

**Andy Tsai, MD, PhD**

Staff Radiologist  
Children's Hospital Boston  
Instructor in Radiology  
Harvard Medical School  
Boston, MA

**Michele M. Walters, MD**

Director of Education  
Children's Hospital Boston  
Instructor in Radiology  
Harvard Medical School  
Boston, MA

# PROGRAM

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## SATURDAY, FEBRUARY 4, 2012

- 7:00 – 7:55 am **Registration and Continental Breakfast**
- 7:55 – 8:00 am **Welcome and Introduction**  
*Jeannette M. Perez-Rossello, MD*
- 8:00 – 8:30 am **Child Abuse Pediatrics and Pediatric Radiology:  
A Historic Collaboration Serving the Interests of Children**  
*Robert W. Block, MD, FAAP*

### SESSION I: THE SKELETON

*Stephen L. Done, MD and Paul K. Kleinman, MD, Moderators*

- 8:30 – 9:20 am **Common Abusive Skeletal Injuries (Long Bones, Ribs, Skull):  
What is Our Knowledge Base?**  
*Paul K. Kleinman, MD*
- 9:20 – 9:50 am **Differential Diagnosis of Abusive Skeletal Injuries**  
*Sabah E-Noor Servaes, MD*
- 9:50 – 10:00 am **Discussion and Questions**
- 10:00 – 10:15 am **BREAK**
- The Vitamin D-bate: Can Vitamin D Deficiency Mimic Abuse?**
- 10:15 – 10:55 am **Biochemical Rickets: What Does Low Vitamin D  
Mean in Infants?**  
*Ingrid Holm, MD, MPH*
- 10:55 – 11:15 am **Radiologic Diagnosis of Rickets**  
*Jeannette M. Perez-Rossello, MD*
- 11:15 – 11:30 am **Discussion and Questions**

### SESSION II: ABUSIVE HEAD TRAUMA

*Louis-Gilbert Vezina, MD, Moderator*

- 11:30 am – 12:10 pm **History and Clinical Presentation of Abusive Head Trauma**  
*Kent P. Hymel, MD*
- 12:10 – 12:15 pm **Discussion and Questions**
- 12:15 – 1:15 pm **LUNCH**
- 1:15 – 1:55 pm **Extra-axial Collections**  
*Gary L. Hedlund, DO*
- 1:55 – 2:35 pm **Brain and Cervico-Medullary Injury: Imaging Patterns  
and Mechanisms**  
*P. Ellen Grant, MD*
- 2:35 – 3:00 pm **Differential Diagnosis of Abusive Head Trauma**  
*Gary L. Hedlund, DO*
- 3:00 – 3:15 pm **Discussion and Questions**
- 3:15 – 3:30 pm **BREAK**

# PROGRAM (CONTINUED)

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## SESSION III: THE COURTROOM

*Paul K. Kleinman, MD, Moderator*

- 3:30 – 4:00 pm **Law 101: Legal Foundations of Child Abuse Proceedings**  
*Joëlle Anne Moreno, JD*
- 4:00 – 4:30 pm **Preparing an Effective Expert Testimony**  
*Brian Holmgren, JD*
- 4:30 – 4:50 pm **Responsible Medical Testimony**  
*Robert W. Block, MD*
- 4:50 – 5:40 pm **Mock Trial**  
*Brian Holmgren, JD, Paul K. Kleinman, MD, Joëlle Anne Moreno, JD and Louis-Gilbert Vezina, MD*
- 5:40 – 6:00 pm **Discussion and Questions**
- 6:30 pm **Dinner**

## SUNDAY, FEBRUARY 5, 2012

- 6:30 – 7:30 am **Continental Breakfast**

## SESSION IV: IMAGING SESSIONS

*Dorothy I. Bulas, MD, Moderator*

- 7:30 – 8:00 am **Visceral Trauma Imaging**  
*Katherine Nimkin, MD*
- 8:00 – 8:30 am **Uncommon but Important Inflicted Skeletal Injuries**  
*Paul K. Kleinman, MD*
- 8:30 – 8:50 am **Dating Fractures**  
*Michele M. Walters, MD*
- 8:50 – 9:15 am **Skeletal Imaging Strategies and Protocols**  
*Jeannette M. Perez-Rossello, MD*
- 9:15 – 9:35 am **Micro CT and Finite Element Modeling of Fractures**  
*Andy Tsai, MD, PhD*
- 9:35 – 9:45 am **Discussion and Questions**
- 9:45 – 10:00 am **BREAK**
- 10:00 – 10:30 am **Neuroimaging Protocols**  
*P. Ellen Grant, MD*
- 10:30 – 11:00 am **Ethical Issues and Practical Challenges**  
*Judith A. Craychee, MD*
- 11:00 am – 12:00 pm **Interactive Session: Unknown Cases**  
*Louis-Gilbert Vezina, MD and Daniel M. Schwartz, MD*
- 12:00 – 12:15 pm **Wrap up and Adjourn**

# REGISTRATION INFORMATION

Checks should be made payable to The Society for Pediatric Radiology in U.S. dollars only. American Express, VISA, and MasterCard are accepted for payment. All fees must be received at the time of registration.

**Written verification of Radiologist-In-Training, Technologist, Resident, Fellow or Active Military status must accompany registration form.**

Fees include tuition, teaching materials, continental breakfast and coffee breaks, Saturday lunch and dinner. A \$75 administrative fee will be retained if you cancel your meeting registration. In order to receive a full refund of the balance, written notice must be received on or before January 20, 2012; thereafter, no refunds will be made.

**Registration may be completed on-line through the SPR website at [www.pedrad.org](http://www.pedrad.org).**

<b>Registration Fees</b>	<b>On or Before Jan. 1, 2012</b>	<b>After Jan. 1, 2012</b>
SPR Member Physicians	\$400	\$500
Non-Member Physicians	\$500	\$600
Active Duty Military	\$350	\$450
Residents/Fellows/In-Training/Techs	\$250	\$350
Guest Dinner Fees	\$ 75	\$ 75

# HOTEL INFORMATION

**Hyatt Regency Orlando International Airport** 1-402-592-6464 Telephone  
9300 Airport Blvd. 1-888-421-1442 Toll-Free  
Orlando, Florida 32827

**Group Room Rate: \$139 sgl/dbl + tax**

**Reservations may be booked on-line by visiting the SPR website at [www.pedrad.org](http://www.pedrad.org) and selecting Meetings from the menu. The Child Abuse conference is listed on this page and includes a link to the hotel reservation site.**

Alternatively, reservations may be made by contacting the hotel by phone as indicated above. To obtain the group rates, you must identify yourself as being with the Society for Pediatric Radiology group.

## MEETING CONTACT

The Society for Pediatric Radiology  
1891 Preston White Drive  
Reston, VA 20191  
Facsimile: (703) 648-1863  
[SPRmeetings@acr.org](mailto:SPRmeetings@acr.org)  
For assistance with registration  
issues, please contact (800) 373-2204.  
For all other inquiries, please dial  
(703) 648-0680 ext. 4691.



If you have any special needs, please contact The Society for Pediatric Radiology at the above address or E-mail address at least two weeks before the meeting to ensure that your needs are met.

**Reservations must be received by December 27, 2011.**

It is possible that hotel rooms may sell out prior to this date. As we booked a limited number of rooms, we strongly recommend that you make your reservations as early as possible to ensure you receive a room at the group rate. Rooms booked after the cut-off date will be offered at the going rate.

Room rates listed do not include applicable taxes which are currently 12.5%. Taxes are subject to change.

Please note that a credit card will be taken as a guarantee only and no charges will be applied until your arrival. The card will be charged one night room/tax only if your reservation is not canceled by 4:00 PM the day prior to arrival.

Check-in time: 4:00 p.m. • Check-out time: 12:00 p.m.

# REGISTRATION FORM

Imaging of Child Abuse • February 4-5, 2012 • Orlando, Florida

(Please print)

LAST NAME \_\_\_\_\_ FIRST NAME \_\_\_\_\_ MI \_\_\_\_\_

INSTITUTION \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

COUNTRY \_\_\_\_\_ TELEPHONE \_\_\_\_\_

FACSIMILE \_\_\_\_\_ E-MAIL \_\_\_\_\_

- HOME  
 BUSINESS

BADGE NAME \_\_\_\_\_ DEGREE FOR BADGE \_\_\_\_\_

PLEASE CHECK IF YOU ARE A:  RESIDENT  FELLOW  IN-TRAINING  ACTIVE MILITARY (Letter of verification required)  
 TECHNOLOGISTS  OTHER (Please List) \_\_\_\_\_

DO YOU PLAN TO ATTEND THE SATURDAY NIGHT DINNER?  YES  NO # OF PEOPLE \_\_\_\_\_

## REGISTRATION FEES

ON OR BEFORE JAN. 1, 2012

AFTER JAN. 1, 2012

SPR MEMBER PHYSICIANS	\$400	\$500
NON-MEMBER PHYSICIANS	\$500	\$600
ACTIVE DUTY MILITARY	\$350	\$450
RESIDENTS/FELLOWS/IN-TRAINING	\$250	\$350
GUEST DINNER FEES	\$ 75	\$ 75

TOTAL ENCLOSED: \_\_\_\_\_

Credit Card Company:  Visa  MasterCard  American Express

Credit Card # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Authorized Signature \_\_\_\_\_

**Registration Disclaimer:** The Society for Pediatric Radiology and the American College of Radiology claims no liability for the acts of any suppliers to this meeting or the safety of any attendee while in transit to or from this event. The total amount of any liability during the precise hours of the meeting will be limited to a possible refund of the attendance fee. Your signature below acknowledges acceptance of this provision of registration.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Checks should be made payable to **The Society for Pediatric Radiology.**  
**Please return this form with your check or credit card information to:**

The Society for Pediatric Radiology  
1891 Preston White Drive  
Reston, VA 20191  
Facsimile: (703) 648-1863

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Reston, VA 20191

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