

UW Medicine

UW SCHOOL
OF MEDICINE

PACIFIC COAST
PEDIATRIC RADIOLOGY ASSOCIATION

2016 ANNUAL MEETING & SYMPOSIUM



Thursday - Sunday
July 21 - 24, 2016

Silver Cloud Seattle - Lake Union
1150 Fairview Ave. N.
Seattle, WA

Sponsored by UW School of Medicine
Department of Radiology
Office of Continuing Medical Education

TARGET AUDIENCE

This year's conference is intended for medical professionals with an interest in pediatric imaging, especially pediatric radiologists, general radiologists who image children, researchers, and trainees. Residents and fellows are encouraged to participate, as this is an excellent opportunity for them to learn about and network within the field.

COURSE DESCRIPTION

This conference and symposium will consist of dynamic lectures on pediatric radiology topics and innovative teaching methods. Similar to prior years, the program will address many of the latest advances and challenges in pediatric imaging. Attendees are encouraged to present their work and share their expertise through challenging case reports, concise "hot topic" lectures, research presentations, and "how we do it" round table discussions. A Friday or Saturday morning educational symposium will round out the educational experience, covering key topics of interest to pediatric imagers.

COURSE OBJECTIVES

Upon completion of this activity, attendees should be able to:

- Use ultrasound to perform joint, tendon sheath, and bursal injections.
- Understand modern IR techniques to treat varicoceles and transplant patients.
- Establish an approach to diagnose skeletal dysplasia.
- Be able to diagnose common and a few uncommon pediatric neurological diseases.
- Outline findings of common and a few uncommon nuclear medicine conditions.
- Incorporate an active learning session into a lecture.

FEES AND REGISTRATION

Active PCPRA Member	\$150.00
Non-Member	\$300.00
Resident/Fellow (not presenting)	\$50.00
Resident/Fellow (presenting)	Free
2016 PCPRA Annual Membership Dues (if not already paid)	\$100.00
Annual Banquet	\$100.00

The course fee includes catering, access to online instruction materials and transcript of *AMA PRA Category 1 Credits™*. To enroll, please complete the enclosed registration form and include payment or register online at uwcme.org. Allow up to 15 working days to receive your email confirmation of enrollment. If you have not received confirmation prior to your departure for the course, please contact the CME office at 206.543.1050. Continuing Medical Education will not be responsible for expenses incurred by an individual who is not confirmed if space is not available at the course.

ACCREDITATION

Accreditation with Commendation

The University of Washington School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.



Credit Designation

The University of Washington School of Medicine designates this live activity for a maximum of 14.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ONLINE CONFERENCE MATERIALS

Instruction materials for the conference will be provided online at uwcme.org (for conference registrants only). Materials will be available starting on **July 14, 2016**, for registrants to print and/or download.

Cancellation Policy

The Office of Continuing Medical Education must receive written notification of your cancellation by **July 6, 2016**. A \$75.00 processing fee will be deducted from refund requests received by this date. No refunds will be issued following **July 6, 2016**. The Office of Continuing Medical Education reserves the right to cancel this course twenty (20) days prior to the course date when a minimum enrollment is not met or for other reasons that prevent the University from holding the course. Each registrant will be notified by telephone followed by written notification and a full refund. The University of Washington is not responsible for any other costs incurred such as non-refundable airline tickets or hotel penalties.

Contact the CME Office with questions: call 206.543.1050, fax 206.221.4525 or email cme@uw.edu.

Register online
at
uwcme.org

HOTEL ACCOMMODATIONS

The University of Washington has contracted for special rates at the hotel venue. You must mention **"UWSMED"** to receive this rate. The rate quoted does not include applicable taxes. After **June 21, 2016**, this rate and accommodations may no longer be available. The University of Washington accepts no further responsibility for lodging.

Silver Cloud Seattle – Lake Union

1150 Fairview Ave. N.
Seattle, WA 98109
www.silvercloud.com/seattlelakeunion/
Group ID: UWSMED
Password: LAKEUNION

For reservations,
call 800.330.5812
or 206.447.9500

Rates start at
\$269 per night
(taxes excluded)

Course Faculty

UW FACULTY

Ramesh Iyer, MD

Associate Professor
Pediatric Radiology Section
Department of Radiology

Hedieh Khalatbari, MD

Assistant Professor
Pediatric Radiology Section
Department of Radiology

Eric Monroe, MD

Acting Assistant Professor
Pediatric Radiology Section
Department of Radiology

Anh Vu Ngo, MD

Acting Assistant Professor
Department of Radiology

Jeffrey Otjen, MD

Assistant Professor
Pediatric Radiology Section
Department of Radiology

Marguerite Parisi, MD

Professor
Pediatric Radiology Section
Department of Radiology

Shawn Parnell, MD

Associate Professor
Pediatric Radiology Section
Department of Radiology

Giridhar Shivaram, MD

Acting Assistant Professor
Pediatric Radiology Section
Department of Radiology

Mahesh Thapa, MD

Associate Professor
Pediatric Radiology Section
Department of Radiology

COURSE PLANNING COMMITTEE

Committee Chair

Mahesh Thapa, MD

Members

Tamar Anderson
Jeffrey Otjen, MD
Anh Vu Ngo, MD

Thursday, July 21, 2016

- 12:30 **Registration and Light Snacks**
- 12:55 Opening remarks, disclosures and acknowledgements
- 1:00 Participant lectures, research papers, case reports and discussions
- 3:00 **Break**
- 3:10 Participant lectures, research papers, case reports and discussions
- 5:00 **Adjourn**
- 5:30 Welcome Reception

Optional dinners on Thursday and Friday for interested parties. Group tables will be reserved at several of Seattle's finest restaurants. Transportation and costs will be the diners' responsibility. Watch for opportunities to sign up at the meeting.

Friday, July 22, 2016

- 7:30 **Sign-In and Continental Breakfast**
- 7:55 Opening remarks, disclosures and acknowledgements
- 8:00 Learning vs. Retention - A Lesson on Education
Mahesh Thapa, MD
- 8:45 Pediatric Thoracic Imaging - The New and Interesting
Jeffrey Otjen, MD
- 9:30 MRI of Sports Injuries in Children and Adolescents
Anh Vu Ngo, MD
- 10:15 **Break**
- 10:30 Pediatric Bone Tumors
Ramesh Iyer, MD
- 11:15 Cool Tools for Radiologists
Mahesh Thapa, MD
- 12:00 **Adjourn**

Optional evening photo walk. Bring your camera as we stroll around South Lake Union and take photos of picturesque Seattle. Walk led by Mahesh Thapa, MD (www.StarvingPhotographer.com).

Optional dinners on Thursday and Friday for interested parties. Group tables will be reserved at several of Seattle's finest restaurants. Transportation and costs will be the diners' responsibility. Watch for opportunities to sign up at the meeting.

Saturday, July 23, 2016

- 7:30 Sign-In and Continental Breakfast**
- 7:55 Opening remarks, disclosures and acknowledgements
- 8:00 Gamut in Pediatric Nuclear Medicine Imaging
Marguerite Parisi, MD
- 8:45 Top 10 Diagnoses in Skeletal Dysplasia
Shawn Parnell, MD
- 9:30 Imaging of Closed Spinal Dysraphisms: A Case-Based Review
Hedieh Khalatbari, MD
- 10:15 Break**
- 10:30 Transplant Interventions
Eric Monroe, MD
- 11:15 Varicoceles: New Interventional Treatment Strategies
Giridhar Shivaram, MD
- 12:00 Adjourn**
- 6:00 Annual Banquet (optional)

Sunday, July 24, 2016

- 7:30 Sign-In and Continental Breakfast**
- 7:55 Opening remarks, disclosures and acknowledgements
- 8:00 Participant lectures, research papers, case reports and discussions
- 10:00 Break**
- 10:10 Participant lectures, research papers, case reports and discussions
- 11:30 Annual Business Meeting
Best Paper Selection
- 12:00 Adjourn**

Welcome to Seattle

Seattle's quirky neighborhoods make it a city well worth exploring. Add in its thriving arts scene, world class coffee and microbrews, great food, history, and culture, and you'll begin to see why the locals love it. The city is home to over 400 parks perfect for exploring. If the city parks aren't enough, there are three National Parks within a couple hours' drive of the city, Puget Sound offers a variety of beaches to explore and the mountains have multiple trails to hike.



The City

Located just north of Lake Union, the **University of Washington Campus** is home to the **Burke Museum**, the **Henry Art Gallery**, and marvelous views of Mt. Rainier. Be sure to visit the **Suzzallo Library**, replete with sweeping architecture and a reading room straight out of Harry Potter. For bookworms, the selection at the **University Bookstore** is not to be missed.

No visit to Seattle is complete without a visit to the **Space Needle**, with its unparalleled views of Mt. Rainier, the Cascade Mountains, and the Olympic Mountains, as well as the city itself. Seattle Center is also home to **Chihuly Garden and Glass**, **Pacific Science Center**, and the **Seattle Repertory Theatre**, as well as many other attractions. From there, take the Monorail to **Westlake Center** for a little shopping in the city center.

Pike Place Market, now more than 100 years old, was designed to bring regional farmers and consumers together. Today, Pike Place Market is one of the oldest continuously operated public farmers markets in the United States, and has also grown into one of the most popular places to visit in Seattle. The Market

is a feast for the senses, with salmon flying, flowers in a riot of color, and the heady aroma of freshly baked goods. Browse stalls, restaurants and stores for one of the best eating experiences in the city; don't miss the fresh donuts near the Pike Place Pig! In the lower levels of the market you can window shop a wide variety of stores including antique dealers, comic book shops, collectibles, and more. There's something for everyone at Pike Place Market.

Museums, Parks, Zoo & Aquarium

Get inspired at the **Seattle Art Museum**, the **Seattle Asian Art Museum**, or the **Olympic Sculpture Park**.

Stroll through the history of rock 'n roll at **EMP (Experience Music Project)**, then visit other worlds at the attached **Sci-Fi Museum**.

Learn about local history and culture at the **Museum of History and Industry**, the **Wing Luke Asian Museum**, the **Nordic Heritage museum**, or the **Boeing Air Museum**.

Catch a Mariners baseball game at Safeco Field.

Take in the views on the waterfront, then get up close & personal with some of our neighbors in Puget Sound at the **Seattle Aquarium**; or study animal behavior at the **Woodland Park Zoo**.

www.zoo.org,
<http://www.seattleaquarium.org/>



Discovery Park is 534

acres of bluffs, beaches, and wooded trails. If you want to feel like you've left the city without leaving the city, Discovery Park is the place to go.

For an urban oasis experience, **Green Lake Park** has a 2.8 mile loop trail, and is surrounded by restaurants and bars for mid-walk refreshments. Stop by **Chocolati** for the best hot chocolate in the area.

The **Arboretum** is one of Seattle's favorite parks, with botanical gardens, Japanese gardens, and wetlands.

Kayak

Rent a kayak at **Agua Verde Paddle & Café** for a peaceful paddle through the arboretum, a tour of Seattle's houseboats and skyline, or a visit to **Gas Works Park**. <http://aguaverde.com/>

Tours

For some quirky and highly entertaining local history, check out the **Seattle Underground Tour**.

<http://www.undergroundtour.com/>

Looking for something more modern and technical? Try a tour of the **Boeing factory!**

<http://www.boeing.com/company/tours/>



Dining

Getting a true taste of Seattle is as easy as dining out. With 37 Zagat celebrity chef restaurants and 13 James Beard award-winning chefs, Seattle has a proven track record for mouth-watering cuisine. With eateries specializing from seafood and steak to vegetarian and gluten-free, from

Classic American, Italian, and French to the exotic tastes of Asia, Mexico and the Mediterranean, there's something for every taste. Whatever the cuisine, many of our restaurateurs pull flavors from straight from the great Pacific Northwest, working with farm fresh ingredients or shellfish and salmon pulled straight from local waters. That's Seattle's style.

Thirsty? Check out one of Seattle's many craft breweries: <https://www.thrillist.com/drink/seattle/best-breweries-in-washington-state-washington-breweries-seattle-breweries> or Distilleries:

<http://www.washingtondistilleries.com/seattle>

Coffee can be found any and everywhere. In spite of their ubiquity, Starbucks is not the favorite. For a better brew, try **Espresso Vivace** or one of our many other independent coffee houses.

The Surroundings

Seattle is surrounded by natural parks, encompassing beaches, rainforest, and one of the highest peaks in the country. Visible throughout Seattle, Mt. Rainier is home to hundreds of miles of hiking trails that wind through dense trees past placid lakes and cascading waterfalls. <http://www.nps.gov/mora>

From Seattle's downtown waterfront, it takes only 35 minutes to arrive at Bainbridge Island. The ferry ride itself is worth the journey! Once on Bainbridge Island, it's easy to walk to a quaint "downtown" strip that features some shops, eateries and coffee spots. The island also features wineries, an organic distillery and other popular destinations.

Just a 30-minute drive outside of the Space Needle's shadow, sip into a slower pace of life in Woodinville wine country. Park the car and peddle along paved trails and side roads to the 90 wineries and tasting rooms that put Seattle's nearby vines on the map. Pouring some of Washington State's top-rated wines, you'll find a full-bodied blend of mega operations and boutique tasting rooms only selling their small-batch wines on-location.

If you have more time, here are a few longer trips worth considering:

Leavenworth: dining, festivals, wineries, theatre, hiking. *website:* <http://www.leavenworth.org/>

Port Townsend: Parks, boating, sailing, kayaking, hiking, horseback riding, golf, shopping, music, festivals
website: <http://www.cityofpt.us/>

San Juan Island: Beaches, hiking, parks, bicycling/mopeds, camping, boating, fishing, kayaking, whale watching
website: <http://www.sanjuanisland.org/>

Washington Coast: beach, hiking, camping, birdwatching, surf kayaking, surf fishing, beachcombing
website: <http://www.washingtoncoastchamber.org/>

Transportation from Out-of-Town

[Seattle-Tacoma International Airport](#) (sea-tac) is about 20 miles south of downtown Seattle.

- Most major rental-car agencies serve the Sea-Tac airport. Counters are located in the baggage claim area
- A taxi from the airport to the Silver Cloud Inn (Lake Union) will run about \$40.00
- The Shuttle Express (425-981-7000) drops off passengers at hotels and residences
- Public transportation: All of Seattle Metro's schedules and time tables are online as well as on printed schedules you'll find at bus stops and on bus lines. Fares are \$2.75. If you're going to ride the bus, consider using the trip planner either online or on the Seattle Metro app. It allows you to enter your starting and ending point to find bus routes

Seattle is accessible by car from Oregon and California via Interstate 5. From Boise and other points east, Interstate 90 leads to Seattle.

There is daily train service between King Street Station in Seattle and several major West Coast cities, including Portland, Spokane, San Francisco, and Los Angeles.

Transportation within Seattle

Seattle is a great city for walking and bicycling. Bike share programs are available, just look for the lineups of green Pronto bikes that you can rent on the spot and return to any station around town.

Hotel Reservations

Only a limited number of premium king rooms have been reserved for meeting participants, so please book early to take advantage of the preferred rate (exclusive of occupancy tax and tourism assessment). This special group rate is on a first come first serve basis and is not guaranteed to registrants who book their rooms after the reserved guestroom block has been filled. Reservation requests will be accepted on a space and rate availability basis.

Silver Cloud Inn Booking Instructions

Go to our website: <http://www.silvercloud.com/>

Under "Make A Reservation"

Choose Check In and Check Out Dates

On the Drop Down Menu, Choose "Seattle – Lake Union"

Click On "Search for Availability"

Under Corporate or Group Login, Enter your Company Information Below

Group ID: UWSMED

Password: LAKEUNION

Click "Log In"

PACIFIC COAST PEDIATRIC RADIOLOGY ASSOCIATION
2016 Annual Meeting & Symposium (MJ1713)
July 21-24, 2016

First Name

Last Name

Professional Title

Address

City

State

ZIP Code

Phone

Email

Residency Program*
(if applicable)

Method of Payment

Credit Card Number *For the safety of your credit card information, please fax it to 206.221.4525, call 206.543.1050, or register online at uwcme.org.*

UW Budget Name

UW Budget Number

UW Box Number

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Task

Registration Options

Active PCPRA Member - \$100

Non-Member - \$300

Resident/Fellow* (not presenting) - \$50

Resident/Fellow* (presenting) - Free

2016 PCPRA Annual Membership Dues - \$100

Annual Banquet (optional) - \$100

If ordering Annual
Banquet, how many
will attend?

Please save this completed form and email it to cme@uw.edu for processing, or register online at uwcme.org. Once your registration is processed, a confirmation receipt will be sent to your email address.

Attestation and Disclosure

The Attestation and Disclosure must be completed by all persons involved in approved UW CME activities. *Refusal to disclose will result in disqualification from participation.*

It is the policy of the UW School of Medicine's Office of Continuing Medical Education to **ensure balance, independence, objectivity and scientific rigor** in all of its sponsored or jointly provided educational programs.

Conflicts of interest develop when an individual has an opportunity to affect CME content about the products or services of a commercial interest with which he/she has a relevant financial relationship. The intent of this policy is to 1) openly identify any such relationships so that the Office of Continuing Medical Education can identify and resolve any conflict of interest which may have been created, and 2) that learners may form their own opinions as to whether the speaker's presentation reflects possible bias in either exposition or conclusion.

The purpose of this form is to identify and resolve all potential conflicts of interest that arise from financial relationships with any commercial or proprietary entity relevant to the content you are planning, developing, or presenting. A commercial interest is any entity producing, marketing, reselling, or distributing healthcare goods or services consumed by or used on patients. Exceptions are nonprofit or government organizations, or direct-to-patient clinical service providers.

Please select below as appropriate.

Neither I, the undersigned, nor my spouse/partner, HAVE/HAD relevant financial relationships with any commercial interest relevant to the content I am planning/developing/presenting within the past 12 months.

Within the past 12 months, I, the undersigned or my spouse/partner, HAVE/HAS a relevant financial relationship with the commercial entities noted below.

Please list the name of any commercial entity with which you or your spouse/partner have any of the following associations. There is no need to disclose actual financial value of any affiliation.

Financial relationship	Name of commercial entity
Salary, honoraria	
Royalty	
Intellectual property rights	
Major stock shareholder	
Consulting and teaching	
Grant/research support	

Financial relationship	Name of commercial entity
Advisory committee or review panels	
Other financial or material support	

As part of its accreditation from the Accreditation Council for Continuing Medical Education (ACCME), UW School of Medicine is required to 'resolve' any reported conflicts of interest prior to the educational program. Therefore, in light of the relationships/affiliations you designate, we ask that you attest:

- 1) that these relationships/affiliations will not bias or otherwise influence your involvement in the program;
- 2) that practice recommendations given relevant to the companies with whom you have relationships/affiliations will be supported by the best available evidence or, absent evidence, will be consistent with generally accepted medical practice;
- 3) that all reasonable clinical alternatives will be discussed when making practice recommendations; and
- 4) all scientific research referred to, reported, or used in support of justification of a patient care recommendation, will conform to the generally accepted standards of experimental design, data collection and analysis.

Please review the following regarding your understanding of and willingness to comply with each statement.

Your Role in Activity:

- Planner
- Presenter/Author
- Course Director
- Moderator
- Content Reviewer

Best Available Evidence and ACCME Content Validation Statement: All clinical recommendations that I make for patient care as part of my planning and/or CME/CE activity materials will be based on the best available evidence and the content will be in compliance with ACCME's Content Validation Statement.

- Agree
- Disagree

Sources and Limitations of Data, Off-Label Use Disclosure: To the extent practical, recommendations involving clinical medicine in this CME activity will be substantiated by peer-reviewed sources. I will make meaningful disclosure to the attendees if products or procedures I discuss are off-label, unlabeled, experimental, and/or investigational (not FDA-approved), and any limitations on the information that I present, such as data that are preliminary or that represent ongoing research, interim analyses, and/or unsupported opinion.

- Agree
- Disagree

Scientific Integrity: All scientific research referred to, reported or used in support or justification of a patient care recommendation will conform to generally accepted standards of experimental design, data collection and analysis.

- Agree
- Disagree

Free of Commercial Bias: CME content presented to learners will be free of commercial bias. No product, service, or therapeutic option will be over-represented when comparing competing products, services, and therapeutic options. When appropriate, generic names or trade names from several companies will be used.

- Agree
- Disagree

Payments: I have not and will not accept an honorarium, additional payment, or reimbursements except for payments from UW CME. I understand that all payments to me will be made in compliance with UW CME's Policy on Honoraria and Expense Reimbursement.

- Agree
- Disagree

Serve the Public Interest: Any selection of topics, instructional content and personnel I make for this CME/CE activity will be done to serve the public interest by improving the quality of healthcare. To the best of my ability, I will not let any personal financial relationships influence this selection process.

- Agree
- Disagree

Presentations must give a balanced view of therapeutic options: Use of generic names will contribute to this impartiality. If your presentation includes trade names, where available trade names from several companies should be used, not just trade names from a single company. Logos from commercial interests are never permitted on any course materials including presentation slides. Your presentation/materials will be evaluated by attendees for fair balance, objectivity and scientific rigor.

- Agree
- Disagree

Content Validation Review: I understand that my CME activity presentation materials may be prospectively peer-reviewed for fair balance and validation of content and may require editing.

- Agree
- Disagree

HIPAA Compliance: I will remove all patient identifiers (name, birthdate, address, phone number, medical record number, account number, social security number, etc.) from my presentation materials. I will not use identifiable photographs of patients, unless I have obtained written patient permission.

- Agree
- Disagree

Signature

Submitted by

Date