PEDIATRIC POINT-OF-CARE ULTRASOUND
BASIC & ADVANCED COURSE

Provided by the University of California, San Diego School of Medicine

Jennifer R. Marin, MD, MSc
Director of Emergency Ultrasound
Division of Pediatric Emergency Medicine
University of Pittsburgh School of Medicine

Tarina Lee Kang, MD, FACEP
Chief of Emergency Ultrasound Division
Department of Emergency Medicine
USC Keck School of Medicine

Atim Uya, MD, FAAP
Point-of-Care Ultrasound Director
Division of Emergency Medicine
Assistant Clinical Professor of Pediatrics
University of California, San Diego

Kathleen M. Smith, MD, MPH
Clinical Professor of Pediatrics
University of California, San Diego

Thursday, April 13th – Friday, April 14th, 2017

RADY CHILDREN’S HOSPITAL-SAN DIEGO
Education and Office Building - 1st Floor Conference Rooms
3020 Children’s Way San Diego, California 92123

KEYNOTE SPEAKER
Jennifer R. Marin, MD, MSc
Director of Emergency Ultrasound
Division of Pediatric Emergency Medicine
University of Pittsburgh School of Medicine

GUEST SPEAKER
Tarina Lee Kang, MD, FACEP
Chief of Emergency Ultrasound Division
Department of Emergency Medicine
USC Keck School of Medicine

COURSE DIRECTORS
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Point-of-Care Ultrasound Director
Division of Emergency Medicine
Assistant Clinical Professor of Pediatrics
University of California, San Diego

Kathleen M. Smith, MD, MPH
Clinical Professor of Pediatrics
University of California, San Diego
COURSE DESCRIPTION

This course will familiarize the targeted audience to the uses of Point-of-Care Ultrasound with respect to the emergent and critically ill pediatric patient. It includes basic, advanced, and critical care applications and combines lectures with 8 hours of hands-on scanning on live models and phantoms. Breakout sessions will include critical care (ultrasound in the undifferentiated hypotensive patient, advanced cardiac evaluation) soft tissue and musculoskeletal sessions (evaluation of lymph nodes, shoulder, elbow, hip, and knee joint evaluation, fracture evaluation and nerve blocks). Supervision is provided by Point-of-Care Ultrasound trained faculty and Emergency physicians.

TARGET AUDIENCE

Practicing physicians and mid-level providers in Pediatrics, Emergency medicine, Pediatric emergency medicine, other Pediatric sub-specialists.

LEARNING OBJECTIVES

At the conclusion of this activity, the participants should be able to:

- Describe how physics relates to ultrasound image acquisition and processing
- Summarize how ultrasound instruments affect image acquisition
- Review relevant literature pertinent to Pediatric Point-of-Care Ultrasound
- Identify the indications for and limitations for Point-of-Care Ultrasound in Pediatric Emergency Medicine
- Recognize the relevant focused findings and pitfalls associated with Pediatric Point-of-Care Ultrasound basic and advanced applications
- Be familiar with scanning techniques for different ultrasound applications
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<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>07:00 am</td>
<td>Check In, Breakfast, and Pre-Course Survey</td>
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<tr>
<td>07:45 am</td>
<td>Welcome and Introduction</td>
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<tr>
<td>08:00 am</td>
<td>Physics and Knobology</td>
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<tr>
<td>08:30 am</td>
<td><strong>HANDS ON SESSION: PHYSICS AND KNOBOLOGY</strong></td>
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<tr>
<td>09:00 am</td>
<td>Focused Assessment in Trauma (FAST) Exam</td>
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<tr>
<td>09:30 am</td>
<td>Lung Ultrasound</td>
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<tr>
<td>10:00 am</td>
<td>Break</td>
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<td>10:15 am</td>
<td><strong>HANDS ON SESSION: FAST/LUNG</strong></td>
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<tr>
<td>10:45 am</td>
<td>Cardiac Ultrasound: Basic (Anatomy, Pericardial Effusion, Tamponade)</td>
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<td>11:15 am</td>
<td>Rapid Ultrasound for Shock and Hypotension (RUSH)</td>
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<td>11:45 am</td>
<td><strong>HANDS ON SESSION: CARDIAC AND RUSH</strong></td>
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<tr>
<td>12:30 pm</td>
<td>Case Discussions and Lunch</td>
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<tr>
<td>01:30 pm</td>
<td>Musculoskeletal: Basic (Cellulitis, Abscess, Fractures, Foreign Body)</td>
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<td>02:00 pm</td>
<td>Vascular Access (Central and Peripheral)</td>
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<td>02:30 pm</td>
<td><strong>HANDS ON SESSION: VASCULAR ACCESS AND MUSCULOSKELETAL</strong></td>
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<td>04:00 pm</td>
<td>Break</td>
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<tr>
<td>04:15 pm</td>
<td>Case Discussions</td>
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<tr>
<td>05:15 pm</td>
<td>Adjourn and Social Hour</td>
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**Friday, April 14th, 2017**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:15 am</td>
<td>Check In and Breakfast</td>
</tr>
<tr>
<td>08:45 am</td>
<td>Welcome</td>
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| 09:00 am| Critical Care and Musculoskeletal/Soft Tissue Workshops (Split Sessions)  
|         | *See details below.*                                                |
| 12:00 pm| Case Discussions and Lunch                                           |
| 01:00 pm| Abdomen (Appendicitis, Intussusception, Pyloric Stenosis, Gallbladder) |
| 01:45 pm| **HANDS ON SESSION: ABDOMEN**                                        |
| 02:30 pm| Break                                                                |
| 02:45 pm| Ocular                                                                |
| 03:05 pm| **HANDS ON SESSION: OCULAR**                                         |
| 03:30 pm| Case Review, Post-Course Survey, and Evaluations                     |
| 05:00 pm| Adjourn                                                               |

**Musculoskeletal/ Soft Tissue Workshop:** Joint evaluation (shoulder, elbow, hip, knee), Lymph node assessment, Peritonsillar abscess assessment (anatomy, pitfalls), Nerve blocks (upper and lower extremity)

**Critical Care Workshop:** Using POCUS in congenital heart disease, RUSH exam, DVT evaluation, Volume assessment, Left ventricular function / dysfunction, pulmonary hypertension, using Doppler to evaluate flow

This course is designed to cater to Point-of-Care ultrasound enthusiasts with different levels of experience. Participants will be grouped together for the hands on session based on experience level. This will allow for focused teaching during these sessions, preventing less experienced learners from getting overwhelmed.

The workshops are split similarly. Please do not select the critical care workshop if you do not have a basic understanding of cardiac POCUS and have not performed at least 20 cardiac POCUS exams previously. You may be given an opportunity to cross over to a different workshop, time permitting.
Course Director
Atim Uya, MD
Assistant Clinical Professor of Pediatrics
Department of Pediatrics
Director of Point-of-Care Ultrasound
Division of Pediatric Emergency Medicine
University of California, San Diego

Course Co-Director
Kathleen Smith MD, MPH
Clinical Professor of Pediatrics
Department of Pediatrics
Associate Fellowship Director
Division of Pediatric Emergency Medicine
University of California, San Diego

Key Note Speaker
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Associate Professor of Pediatrics and Emergency Medicine
Department of Pediatrics
Director of Emergency Ultrasound
Division of Pediatric Emergency Medicine
University of Pittsburgh School of Medicine

Guest Speaker
Tarina Lee Kang, MD, FACEP
Associate Professor of Clinical Emergency Medicine
Department of Emergency Medicine
Chief of Emergency Ultrasound Division
University of Southern California, Keck School of Medicine

Visiting Faculty
Dasia Esener, MD, MS
Director of Emergency Ultrasound Fellowship
Kaiser Permanente, San Diego

Peter McCorkell, MD
Emergency Ultrasound Fellow
Kaiser Permanente, San Diego

Khanh Cao, MD
Emergency Ultrasound Fellow
Kaiser Permanente, San Diego

Sherri Rudinsky, MD
Assistant Professor of Military & Emergency Medicine
Uniformed Services University of the Health Sciences
Director of Emergency Medicine Residency
Naval Medical Center San Diego

Nicole Hurst, MD
Attending Physician
Director of Emergency Ultrasound
Emergency Department
Naval Medical Center San Diego
UC San Diego Faculty

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Amir Aminlari, MD
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SPACE IS LIMITED!
To register visit www.regonline.com/OCMPP17

PROGRAM INFORMATION
Vy Tran
Course Coordinator
nttran@rchsd.org
(858) 966-8036

REGISTRATION INFORMATION

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<tr>
<th>Affiliation</th>
<th>Fee</th>
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<tbody>
<tr>
<td>UCSD and RCHSD Affiliation</td>
<td><strong>$0.00</strong></td>
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<tr>
<td>Non-UCSD Affiliation (Early Bird)</td>
<td>$750.00</td>
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<tr>
<td>Non UCSD Affiliation (Late Rate)</td>
<td>$850.00</td>
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**Please be advised there is a $35.00 administrative fee for UCSD/RCHSD affiliates.

UC San Diego CME
Phone: (888) 229-6263 or (858) 534-3940
Email: ocme@ucsd.edu

CANCELLATION POLICY

The full course tuition is refundable, minus $60 if cancelled before 1 month, ½ price refund minus $60 if cancelled between 1-4 weeks prior to event, No refunds if cancelled within 1 week. No refunds for USCD/RCHSD affiliated staff.

In the unlikely event that the course is canceled, UC San Diego is responsible only for a full refund of the registration fee and not for transportation, hotel accommodations or any miscellaneous expenses.
DISCLOSURE STATEMENT

It is the policy of the University of California, San Diego School of Medicine to ensure balance, independence, objectivity and scientific rigor. All persons involved in the selection, development and presentation of content are required to disclose any real or apparent conflicts of interest. All conflicts of interest will be resolved prior to an educational activity being delivered to learners through one of the following mechanisms 1) altering the financial relationship with the commercial interest, 2) altering the individual’s control over CME content about the products or services of the commercial interest, and/or 3) validating the activity content through independent peer review. All persons are also required to disclose any discussions of off label/unapproved uses of drugs or devices. Persons who refuse or fail to disclose will be disqualified from participating in the CME activity.

ACCREDITATION

The University of California, San Diego 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 California, San Diego School of Medicine designates this Live Activity for a maximum of 16.0 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CULTURAL AND LINGUISTIC COMPETENCY STATEMENT

This activity is in compliance with California Assembly Bill 1195 which requires continuing medical education activities with patient care components to include curriculum in the subjects of cultural and linguistic competency. Cultural competency is defined as a set of integrated attitudes, knowledge, and skills that enables health care professionals or organizations to care effectively for patients from diverse cultures, groups, and communities. Linguistic competency is a defined as the ability of a physician or surgeon to provide patients who do not speak English or who have limited ability to speak English, direct communication in the patient’s primary language. Cultural and linguistic competency was incorporated into the planning of this activity. Additional resources on cultural and linguistic competency and information about AB1195 can be found on the UCSD CME website at http://cme.ucsd.edu

Come and explore San Diego, known for its great weather, miles of sandy beaches and other major tourist attractions.