



# OPEN MEDICAL INSTITUTE

## SEMINAR REPORT

### PEDIATRIC EMERGENCY MEDICINE OMI MEX CHOP SEMINAR

April 24-26, 2023

Medical Education Beyond Borders



# F A C T S



**40** fellows  
from **Mexico**



**26** fellows' case  
presentations



**4** faculty members  
from the USA



**4** excellent case  
presentations



**12** didactic lectures



**1** Hands-on Simulation  
Training



# GROUP PHOTO







## OMI MEX CHOP Seminar in Pediatric Emergency Medicine

### Monday, April 24 – Wednesday, April 26, 2023

	<b>Monday</b> April 24	<b>Tuesday</b> April 25	<b>Wednesday</b> April 26
08:00 – 09:00	<b>REGISTRATION &amp; BREAKFAST</b>	<b>REGISTRATION &amp; BREAKFAST</b>	<b>REGISTRATION &amp; BREAKFAST</b>
09:00 – 10:00	<b>Introductions</b> <b>Pre-Seminar Test</b>	<b>Selection of Intubation Medications</b> Nicholas Tsarouhas, MD	<b>Febrile Young Infant</b> Richard J. Scarfone, MD
10:00 – 11:00	<b>Surgical Emergencies</b> Richard J. Scarfone, MD	<b>Pediatric Intubation Technique</b> Archana Verma, MD	<b>Approach to the Sick Neonate</b> Archana Verma, MD
11:00 – 11:15	<b>COFFEE BREAK</b>	<b>COFFEE BREAK</b>	<b>COFFEE BREAK</b>
11:15 – 11:45	<b>Septic Shock Fluid Management</b> Carlos Bañuelos, MD	<b>Burns</b> Karla Solís, MD	<b>Hands-on Simulation Training</b> All Faculty  <b>SIDS:</b> Nicholas Tsarouhas, MD <b>Septic Shock:</b> Archana Verma, MD <b>Trauma:</b> Richard J. Scarfone, MD <b>Procedures:</b> James M. Callahan, MD & Nancy Etzel
11:45 – 12:30	<b>Cognitive Errors in Medicine</b> James M. Callahan, MD	<b>Non-Traumatic Headaches</b> James M. Callahan, MD	
12:30 – 13:30	<b>Kawasaki Disease &amp; MIS-C</b> Archana Verma, MD	<b>Head Trauma</b> Richard J. Scarfone, MD	
13:30 – 14:30	<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>
14:30 – 15:30	<b>Status Epilepticus</b> Nicholas Tsarouhas, MD	<b>Syncope</b> James M. Callahan, MD	<b>Transport Medicine</b> Nicholas Tsarouhas, MD
15:30 – 17:00	<b>Workshop</b> Fellows' Case Presentations  Nicholas Tsarouhas, MD Archana Verma, MD	<b>Workshop</b> Fellows' Case Presentations  Richard J. Scarfone, MD James M. Callahan, MD	<u>15:30 – 16:00</u> <b>Post-Seminar Test</b>  <u>16:00 – 16:30</u> <b>Evaluation &amp; Discussion</b>  <u>16:30 – 17:00</u> <b>Closing Ceremony &amp; Awards</b> All Faculty

## **Learning Objectives for Participants**

**At the conclusion of this seminar, the participant should be better able to:**

1. Recognize and manage common medical emergencies in Pediatric Emergency Medicine.
2. Distinguish life threatening surgical emergencies in infants and children, from medical emergencies.
3. Understand the optimal strategies to manage pediatric trauma.
4. Manage resuscitative emergencies in critically ill infants and children.

### **ACCME Accreditation Statement**

Children's Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

### **AMA Credit Designation Statement**

Children's Hospital of Philadelphia designates this live activity for a maximum of 17 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.



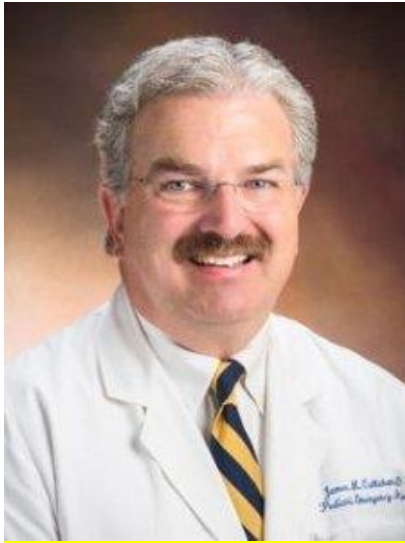


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(Course Director)**

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**Nicholas Tsarouhas, MD** is an Attending Physician in the Pediatric Emergency Department at the Children's Hospital of Philadelphia (CHOP). He also serves as Medical Director of the Emergency Transport Team. Each year, the CHOP Transport Team transports over 5,000 ill and injured patients to CHOP by ground ambulance, rotor wing helicopter, and fixed wing airplane. The Transport Team retrieves patients locally, nationally, and internationally. In addition to his clinical duties, Dr Tsarouhas holds several other administrative duties at CHOP. He serves as the Chairperson of CHOP's Credentials Committee in charge of Physician Credentialing. He also has leadership roles in committees dedicated to Emergency Response, Capacity Management, and Clinical Communications. Dr. Tsarouhas' training included a three-year Pediatric Residency and then a three-year Pediatric Emergency Medicine Fellowship at CHOP. After fellowship, he was recruited by a non-pediatric hospital to create a separate Pediatric Emergency Department distinct from their "Adult" Emergency Department. Five years later, after successfully accomplishing this goal, he returned to CHOP to serve as an attending physician in the Pediatric Emergency Department. He is the recipient of several awards including the Senior Resident Humanitarian Award, the David Cornfeld Bedside Teaching Award, the Faculty Teaching Award, and the Blockley-Osler Teaching Award. His academic appointment is Professor of Clinical Pediatrics at the Perelman School of Medicine at the University of Pennsylvania.



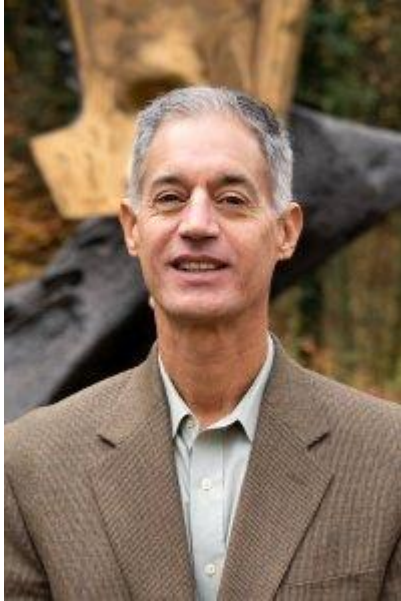
## **James M. Callahan, MD**

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**James M. Callahan, MD** is a Pediatric Emergency Physician at Children's Hospital of Philadelphia (CHOP) and a Professor of Clinical Pediatrics at the Perelman School of Medicine (PSOM) of the University of Pennsylvania. He serves as Medical Director of CHOP's Global Pediatric Education program. He is a native of northern New York State and graduated from St. Lawrence University in Canton, NY and SUNY Upstate Medical University in Syracuse. He completed pediatric residency, served as Chief Resident, and was a fellow in Pediatric Emergency Medicine at CHOP. Dr. Callahan has served in a range of leadership roles in resident and fellow education including Director of Education for the Division of Emergency Medicine and Vice Director of the CHOP Pediatric Residency Program. He currently serves as the Education Officer for the Department of Pediatrics at PSOM. He has played a significant role in many global medical education activities long before assuming his current position, including hosting numerous international observers in the Emergency Department, serving as an invited speaker at numerous international conferences and symposia, and working with international stakeholders to support the activities of the Open Medical Institute of the American Austrian Foundation in Austria, Mexico, and Chile. Dr. Callahan is an Attending Physician in the Division of Emergency Medicine. He has authored several peer-reviewed articles and over twenty book chapters related to Pediatric Emergency Medicine. He has served as a member of the Committee on Pediatric Emergency Medicine of the American Academy of Pediatrics and of the Pediatric Emergency Medicine Sub – Board representing the American Board of Pediatrics. He is a reviewer for five refereed journals and serves on the Editorial Board for Pediatric Emergency Care. He served on the Guidelines Workgroup that authored the Centers for Disease Control and Prevention's Guidelines on the Diagnosis and Management of Mild Traumatic Brain Injury Among Children. His current academic and professional interests include mild traumatic brain injury (concussions) in children and adolescents, prehospital care for children, improving the experience of patients, families and providers, and professionalism among medical trainees. As Medical Director of Global Pediatric Education, Dr. Callahan works to build and maintain long-term, collaborative relationships with international partners in global medical education, oversee international observers and scholars visiting CHOP, and works with departments, divisions, and faculty at CHOP to support and facilitate global medical education activities.





## **Richard J. Scarfone, MD**

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**Richard J. Scarfone, MD** is a Pediatric Emergency Medicine (PEM) physician at the Children's Hospital of Philadelphia (CHOP). Originally from New York City, he is a graduate of the Buffalo School of Medicine and completed pediatric residency training and a fellowship in PEM at the Children's Hospital of Pittsburgh. Dr. Scarfone is the Medical Director of Emergency Preparedness for the division of emergency medicine at CHOP. Dr. Scarfone has won several teaching awards, including the Victor C. Vaughan Award for excellence in teaching, awarded by the house staff at St. Christopher's Hospital for Children, and the Faculty Teacher of the Year Award, awarded by the house staff at CHOP. Dr. Scarfone's principal educational interest is the impact of cognitive errors, diagnostic uncertainty, and implicit bias in medical decision-making. He co-leads the education pillar of CHOP's Center for Diagnostic Excellence.



## **Archana Verma, MD**

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**Archana Verma, MD** is an Associate Professor of Pediatrics at the Perelman School of Medicine at the University of Pennsylvania. She works as an attending physician in Pediatric Emergency Medicine at both the large academic Children's Hospital of Philadelphia (CHOP) and their community affiliate hospital in New Jersey. She serves as Co-Director of the Pediatric Emergency Medicine Fellowship Program at CHOP as well as Co-Director of Pediatric Emergency Medicine Education at the New Jersey affiliate hospital. In addition to her clinical duties, Dr. Verma is active in the division's diversity, equity, and inclusion efforts. She also spends her academic time contributing to resident orientation and simulation activities, and particularly enjoys procedural education for residents and advanced practice providers. Dr. Verma received her medical degree from The State University of New York – Downstate Medical Center and then completed Pediatric Residency at the Children's Hospital of Montefiore, Albert Einstein College of Medicine, followed by a Pediatric Emergency Medicine Fellowship at Jacobi Medical Center, Albert Einstein College of Medicine. Dr. Verma has been at CHOP for the past eight years. She currently lives in Princeton, NJ with her husband Eric, son Deven (age 10), and daughter Sarina (age 6).



## **Becky Aguilar-Álvarez de Sáenz**

**Executive Director | AMSA**

- Bachelors degree in economics, Instituto Tecnológico Autónomo de México (ITAM)
- Banking and financial career for 15 years
- Member of the Board Civic Committee, Ford Motor Company Mexico
- Treasurer of the Board of Trustees UNETE (Unión de Empresarios por la Tecnología en la Educación)
- Member of the International Women's Forum
- Member of the Mexican Council for International Affairs
- AMSA's Executive Director since 2010



## **Gerardo Legorreta Creel**

**President of the Board | AMSA**

- Chairman of the Board of Trustees, Alianza Médica para la Salud, A. C. (AMSA)
- Studied at the London Business School and Instituto Tecnológico Autónomo de México (ITAM)
- CEO of UBS (Union Bank of Switzerland)
- Member of the Board of Directors of Bepensa, SA de CV
- Founder and Managing Director of LG & A



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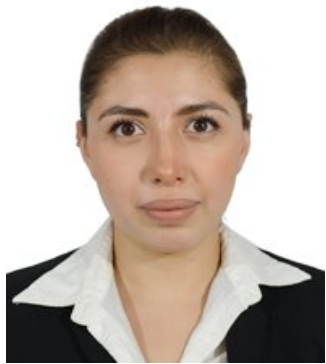
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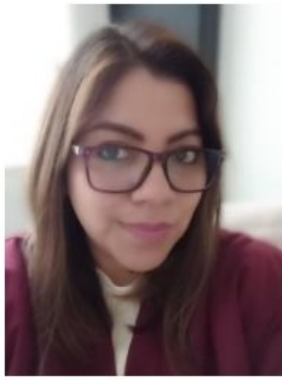
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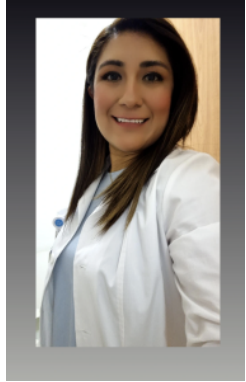


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# OMI VOICES

## Faculty Feedback

"During the OMI MEX CHOP Seminar in Pediatric Emergency Medicine, faculty and fellows were immersed in a unique learning experience which was highly valued by all. Participants learned the recognition and management of pediatric medical, surgical, and traumatic emergencies, as well as were able to practice their skills in a state-of-the-art simulation center. In just a few days, life-long friendships and important professional connections were created. Most importantly, the OMI furthered their mission to train doctors from all over the world to care for patients and families in need."

**Nicholas Tsarouhas, MD**

*Pediatric Emergency Medicine*





# OMI VOICES



**“ The fellows’ case presentations were very important since it allowed us to learn from the eyes and experiences of our colleagues. I may not see these cases in my hospital, but I will be able to keep them in mind if I ever face something similar.**

Ana Patricia Carreon Tejeida, PhD  
OMI MEX fellow from Mexico



**“ I am so grateful for the lecture about the young febrile infant because it revealed a lot of new information for me! It is a topic that concerns me, and I felt a huge gap in both my information and integration of data to my practice. Before this lecture I always felt unsure about what to do next, but now I am confident in what I learned from Dr. Scarfone.**

Edgar Nicolas Vazquez Quezadas, MD  
OMI MEX fellow from Mexico



**“ The most exciting part of the seminar was the simulation training with real patient scenarios. This made me feel like I was in an emergency room, but I was able to think clearly with the support of a competitive team. I learned that part of a patients' satisfactory prognosis is teamwork.**

Asael Garcia, MD  
OMI MEX fellow from Mexico





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