OPEN MEDICAL INSTITUTE

SEMINAR REPORT

PEDIATRIC ANESTHESIA AND CRITICAL CARE OMI MEX CHOP SEMINAR

April 12-14, 2023

Medical Education Beyond Borders

© Open Medical Institute 2023
28 fellows from Mexico & Peru

4 faculty members from the USA

12 didactic lectures

12 fellows’ case presentations

3 excellent case presentations

1 ultrasound workshop
<table>
<thead>
<tr>
<th>Time</th>
<th>Monday April 12</th>
<th>Tuesday April 13</th>
<th>Wednesday April 14</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00 – 09:00</td>
<td><strong>REGISTRATION &amp; BREAKFAST</strong></td>
<td><strong>REGISTRATION &amp; BREAKFAST</strong></td>
<td><strong>REGISTRATION &amp; BREAKFAST</strong></td>
</tr>
<tr>
<td>09:00 – 10:00</td>
<td><strong>Introductions</strong>&lt;br&gt;Pre-Seminar Test</td>
<td>Neonatal Anesthesia&lt;br&gt;Justin L. Lockman, MD, MSEd</td>
<td>Evaluation of Shock and Hypotension with Point of Care Ultrasound&lt;br&gt;Elaina E. Lin, MD</td>
</tr>
<tr>
<td>10:00 – 11:00</td>
<td><strong>Medication Safety: Preventable Errors in the Operating Room</strong>&lt;br&gt;Heather A. McClung Pasqualino, MD</td>
<td>Pediatric Acute Burn Trauma&lt;br&gt;Heather A. McClung Pasqualino, MD</td>
<td>An Approach to Difficult Conversations&lt;br&gt;Aaron G. DeWitt, MD</td>
</tr>
<tr>
<td>11:00 – 11:30</td>
<td><strong>COFFEE BREAK</strong></td>
<td><strong>COFFEE BREAK</strong></td>
<td><strong>COFFEE BREAK</strong></td>
</tr>
<tr>
<td>11:30 – 12:30</td>
<td><strong>Sedation Strategies for Patients with Congenital Heart Disease after Surgery</strong>&lt;br&gt;Aaron G. DeWitt, MD</td>
<td>Anesthesia Management in Fetal Surgery&lt;br&gt;Elaina E. Lin, MD</td>
<td>Ultrasound Workshop&lt;br&gt;Elaina E. Lin, MD&lt;br&gt;Aaron G. DeWitt, MD</td>
</tr>
<tr>
<td>12:30 – 13:30</td>
<td><strong>Pediatric Point of Care Ultrasound</strong>&lt;br&gt;Elaina E. Lin, MD</td>
<td>Pediatric Procedural Sedation&lt;br&gt;Heather A. McClung Pasqualino, MD</td>
<td></td>
</tr>
<tr>
<td>13:30 – 14:30</td>
<td><strong>LUNCH</strong></td>
<td><strong>LUNCH</strong></td>
<td><strong>LUNCH</strong></td>
</tr>
<tr>
<td>14:30 – 15:30</td>
<td><strong>Pediatric Trauma and Traumatic Brain Injury</strong>&lt;br&gt;Justin L. Lockman, MD, MSEd</td>
<td>Lymphatic Imaging and Intervention in the 21st Century&lt;br&gt;Aaron G. DeWitt, MD</td>
<td>Controversies in Pediatric Anesthesia&lt;br&gt;Justin L. Lockman, MD, MSEd, MSEd</td>
</tr>
<tr>
<td>15:30 – 17:00</td>
<td>Workshop&lt;br&gt;Fellows’ Case Presentations&lt;br&gt;Elaina E. Lin, MD&lt;br&gt;Justin L. Lockman, MD, MSEd</td>
<td>Workshop&lt;br&gt;Fellows’ Case Presentations&lt;br&gt;Aaron G. DeWitt, MD&lt;br&gt;Heather A. McClung Pasqualino, MD</td>
<td>15:30 – 16:00&lt;br&gt;Post-Seminar Test</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16:00 – 16:30 Evaluation &amp; Discussion</td>
<td>16:30 – 17:00&lt;br&gt;Closing Ceremony &amp; Awards&lt;br&gt;All Faculty</td>
</tr>
</tbody>
</table>
Learning Objectives for Participants:

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

1) Discuss clinical management (and some problems with management) for some of the most common critical illnesses and anesthesia techniques in children.
2) Be exposed to some rare, new, and/or complex procedures or situations in pediatric medicine and discuss how to deal with them.
3) Have an opportunity to present an unusual medical case to an audience of faculty and other fellows and answer questions from the audience about the presentation.

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.
FELLOWS

Nadia Sofia Alejandra Aguilar Zamora, MD
Instituto Nacional de Pediatría
Department of Anesthesiology and Intensive Care
Av. Insurgentes Sur 3700
04530 Mexico City
Mexico
sofaguilarz@gmail.com

Aric Araujo, MD
Instituto Nacional de Pediatría
Department of Cardiac Surgery
Av. Insurgentes Sur 3700
04530 Mexico City
Mexico
aricaraujomartinez@gmail.com

Corina Barragan, BSc
Centro Medico Nacional Siglo XXI, Instituto Mexicano del Seguro Social
Department of Anesthesiology and Intensive Care
Avenida Cuauhtemoc 330 esquina Ev Baja
California Col Doctores
06720 Ciudad de Mexico
Mexico
corina_barragan@hotmail.com

Barbara Bolaños, MD
Instituto Mexicano del Seguro Social, Centro Medico Siglo XXI
Department of Anesthesiology and Intensive Care
Avenida Cuauhtemoc
06720 Mexico City
Mexico
barbarabtellez@gmail.com

Jazmín Cruces Hernández, BSc
Instituto Mexicano del Seguro Social (IMSS)
Department of Anesthesiology and Intensive Care
Av. Jacarandás Colonia La Raza Azcapotzalco
02990 Mexico City
Mexico
jazzcruces@hotmail.com
<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Address</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jose Mosqueda, MD</td>
<td>National University of Mexico</td>
<td>Department of Anesthesiology and Intensive Care</td>
<td><a href="mailto:felix.cuevas@med.unam.mx">felix.cuevas@med.unam.mx</a></td>
</tr>
<tr>
<td>Felix Cuevas</td>
<td>Mexico City</td>
<td>Mexico</td>
<td><a href="mailto:metileno@hotmail.com">metileno@hotmail.com</a></td>
</tr>
<tr>
<td>Luis Gerardo Motta Amezquita, PhD</td>
<td>Centro Medico ABC</td>
<td>Department of Anesthesiology and Intensive Care</td>
<td>Insurgentes Sur 3700</td>
</tr>
<tr>
<td></td>
<td>Mexico City</td>
<td>04530 Mexico City</td>
<td><a href="mailto:lmottaamezquita@yahoo.com.mx">lmottaamezquita@yahoo.com.mx</a></td>
</tr>
<tr>
<td>Mariana Nolasco, MD</td>
<td>Children's Hospital of Mexico Federico Gomez</td>
<td>Department of Anesthesiology and Intensive Care</td>
<td>Doctor Márquez 162</td>
</tr>
<tr>
<td></td>
<td>Mexico City</td>
<td>06720 Mexico City</td>
<td><a href="mailto:yiomara.nolasco@gmail.com">yiomara.nolasco@gmail.com</a></td>
</tr>
<tr>
<td>Enrique Pazos, MD</td>
<td>Star Medica Infantil Privado</td>
<td>Department of Anesthesiology and Intensive Care</td>
<td>Nueva York 7</td>
</tr>
<tr>
<td></td>
<td>Mexico City</td>
<td>03810 Mexico City</td>
<td><a href="mailto:e_pazos@hotmail.com">e_pazos@hotmail.com</a></td>
</tr>
<tr>
<td>Lourdes Pellecer, MD</td>
<td>ABC Medical Center</td>
<td>Department of Anesthesiology and Intensive Care</td>
<td>Avenida Observatorio 128</td>
</tr>
<tr>
<td></td>
<td>Mexico City</td>
<td>01120 Mexico City</td>
<td><a href="mailto:lpellecer@hotmail.com">lpellecer@hotmail.com</a></td>
</tr>
<tr>
<td>Isabel Znaya Ramírez Flores, MD</td>
<td>Centro Medico Nacional Siglo XXI, Instituto Mexicano del Seguro Social</td>
<td>Department of Anesthesiology and Intensive Care</td>
<td>Avenida Cuauhtemoc 330 colonia Doctores</td>
</tr>
<tr>
<td></td>
<td>Mexico City</td>
<td>06720 Mexico City</td>
<td><a href="mailto:znaya_7@hotmail.com">znaya_7@hotmail.com</a></td>
</tr>
</tbody>
</table>
Maria del Pilar Reveles, BSc
Hospital Star Medica
Department of Pediatrics
San Luis Potosi 143
06700 Mexico City
Mexico
dra_reveles@yahoo.com.mx

Itzel Rico, MD
Hospital Infantil de México Federico Gómez
Department of Anesthesiology and Intensive Care
Coahuila No. 30
06700 Mexico City
Mexico
itzelrico06@yahoo.com

Esperanza Veronica Rios Pichardp, MSc
Hospitales Star Medica
Department of Surgery
San Luis Potosi
06700 Mexico City
Mexico
veripi2503@gmail.com

Juan Rodriguez
juanma51@hotmail.com

Carlos Ixbalamque Rodriguez Herrera, MD
Kardias
Department of Anesthesiology and Intensive Care
Sur 136
01120 Mexico City
Mexico
ixbar@hotmail.com

Sheila Cristel Romero Sernas, MD
Instituto Nacional de Pediatria
Department of Anesthesiology and Intensive Care
Insurgentes Sur 3700 C, Insurgentes Cuicuilco, Coyoacán
04530 Mexico City
Mexico
sheilaromeromd@gmail.com
Xiomy Ruiz, MD
Instituto Nacional de Pediatria
Department of Anesthesiology and Intensive Care
Guardia Chalaca
01 Lima
Peru
anto.xio2895@gmail.com

Zoina Sanchez, MD
Hospital Agustin O Horan
Department of Anesthesiology and Intensive Care
Bordo de Xochiaca
57205 Nezahualcoyotl
Mexico
z_p_s_b@hotmail.com

Karla Sanchez Olivera, MD
Instituto Nacional de Pediatría
Department of Pediatrics
Insurgentes Cuicuilco
4530 Mexico City
Mexico
dra.karlasaol@gmail.com

Lina Sarmiento, MD, MSc
National institute of pediatrics
Department of Anesthesiology and Intensive Care
Insurgentes Sur 3700 C
04530 Mexico City
Mexico
linasarmientoa@gmail.com

Mariana Alejandra Toledo Angeles, MD
Children's Hospital Federico Gómez
Department of Anesthesiology and Intensive Care
Doctor Marquez
06720 Mexico City
Mexico
mariana.toledo.angeles@outlook.com
Justin L. Lockman, MD, MSEd
(Course Director)

Associate Chair, Education
Department of Anesthesiology and Critical Care Medicine
Children’s Hospital of Philadelphia
Associate Professor of Clinical Anesthesiology and Critical Care
Perelman School of Medicine at University of Pennsylvania
Children’s Hospital of Philadelphia
3401 Civic Center Blvd.
Main Building, 9th Floor/Critical Care Medicine
Philadelphia, PA 19104
USA

Phone: +1-267-426-0669
Fax: +1-215-590-1924
Email: LockmanJ@chop.edu

Justin L. Lockman, MD, MSEd is a pediatrician and anesthesiologist who specializes in pediatric critical care and pediatric anesthesiology. Dr. Lockman grew up outside of Washington, DC as one of seven children in his family. After graduating from The College of William and Mary in Williamsburg, Virginia, Dr. Lockman attended medical school at Vanderbilt University in Nashville, Tennessee. He subsequently completed residency training in general pediatrics as well as anesthesiology before completing fellowship training in both pediatric anesthesia and pediatric critical care – all at Johns Hopkins Hospital in Baltimore, Maryland. After joining the faculty of the Children’s Hospital of Philadelphia (CHOP) in Philadelphia, Pennsylvania in 2011, Dr. Lockman completed a master’s degree in medical education. He spent years as the Pediatric Anesthesiology Fellowship Program Director at CHOP, and for several years now has served as Associate Chair for Education for the Department of Anesthesiology and Critical Care Medicine at CHOP. Dr. Lockman’s research interests include medical education, simulation-based learning, and professionalism in medicine. He is a peer reviewer for several journals in his fields of expertise, and he recently completed a term on the Board of Directors for the Society for Pediatric Anesthesia. He lives outside of Philadelphia with his wife, Meghan, and their two children. He spends all his spare time playing piano in a jazz trio and a Beatles band.
Aaron G. DeWitt, MD

Assistant Professor of Clinical Pediatrics and of Clinical Anesthesiology & Critical Care
University of Pennsylvania Perelman School of Medicine
Children’s Hospital of Philadelphia
The Cardiac Center
3400 Civic Center Blvd., 8NE50
Philadelphia, PA 19104
USA

Phone: +1-267-353-2108/+1-215-590-2367
Fax: +1-215-590-5824
Email: dewitta@chop.edu

Aaron G. DeWitt, MD is a pediatric cardiologist who specializes in the critical care of neonates and children with congenital and acquired heart disease and adults with congenital heart disease. Dr. DeWitt grew up in Hudson River Valley of Upstate New York. He completed his undergraduate studies at Dartmouth College in Hanover, New Hampshire before returning to his home state of New York to attend medical school at the University of Rochester in Rochester, NY. After graduating, he remained in Rochester, NY for his internship, residency, and chief residency in pediatrics. Finally, his training took him to Ann Arbor, Michigan for pediatric cardiology fellowship following which he was the Samara Mendu fellow in cardiac critical care. Since 2014, he has been an assistant professor in the division of cardiac critical care medicine and The Children’s Hospital of Philadelphia and Perelman School of Medicine. Dr. DeWitt’s research, educational, and quality improvement interests include neonates with critical heart disease, palliative care in pediatric heart patients, and improving care delivery to heart patients with chronic critical illness. He is also inpatient medical director of Jill & Mark Fishman Center for Lymphatic Disorders, the world’s premier center for patients with lymphatic disease. He is medical director of the Advanced Cardiac Therapeutics ICU, a new ICU dedicated to delivering optimal care and rehabilitation to pediatric patients with temporary and durable mechanical ventricular support. He lives just outside of Philadelphia with his wonderful wife Charu and their two children, Riya and Milun.
Elaina E. Lin, MD

Department of Anesthesiology and Critical Care Medicine
Children’s Hospital of Philadelphia
Assistant Professor
Perelman School of Medicine at the University of Pennsylvania
3401 Civic Center Blvd.
Main Building Suite 9329
Philadelphia, PA 19104
USA

Phone: +1-267-426-5366
Fax: +1-215-590-1415
Email: line1@chop.edu

Elaina E. Lin, MD is an attending pediatric anesthesiologist at the Children’s Hospital of Philadelphia and assistant professor at the University of Pennsylvania Perelman School of Medicine. She is director of perioperative ultrasound and leads educational workshops and clinical protocols for bedside ultrasound. She completed medical school at Johns Hopkins. Following a research fellowship at the National Institutes of Health (NIH), she completed an anesthesiology residency at Johns Hopkins and a pediatric anesthesiology fellowship at the Children’s Hospital of Philadelphia. Her research interests include ultrasound use in the perioperative period, anesthesia for fetal surgery, and COVID in the pediatric surgical population.
Heather A. McClung Pasqualino, MD

Associate Medical Director
Radiology Anesthesia Sedation Services
Department of Anesthesiology and Critical Care Medicine
Children’s Hospital of Philadelphia
Assistant Professor of Clinical Anesthesiology and Critical Care
Perelman School of Medicine at University of Pennsylvania
3401 Civic Center Blvd.
9th Floor, Suite 9329/General Anesthesia Division
Philadelphia, PA 19104
USA
Phone: +1-215-327-9648
Fax: +1-215-590-1415
Email: mcclungh@chop.edu

Heather A. McClung Pasqualino, MD is currently a pediatric anesthesiologist at the Children’s Hospital of Philadelphia. Dr. McClung is from the Philadelphia area and graduated from LaSalle University in Philadelphia, Pennsylvania where she also played for the LaSalle University women’s soccer team. She worked for SmithKline Beecham Pharmaceuticals Department of Bone and Cartilage Biology before attending Johns Hopkins Medical School in Baltimore, Maryland. Dr. McClung completed residency training in anesthesiology at The Hospital of the University of Pennsylvania and a fellowship in pediatric anesthesia at The Children’s Hospital of Philadelphia. She spent the first 10 years of her pediatric anesthesia career at St. Christopher’s Hospital for Children in Philadelphia which is also the area’s regional burn treatment center. Dr. McClung subsequently returned to join the faculty of The Children’s Hospital of Philadelphia (CHOP) where she has been the Associate Medical Director for Radiology Anesthesia Sedation Services as well as serving in many other operational and quality improvement roles within the department. Her interests are non-operating room anesthesia (NORA) as well as quality improvement and medication safety. She lives outside of Philadelphia with her husband, Dominic, and their two sons who keep her very busy with basketball games.
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
"The first OMI MEX CHOP seminar in Pediatric Anesthesia and Critical Care was a resounding success. The course included content about clinical management, recent innovations, patient safety and associated best practices, and interactive discussions about controversial issues in the field. Faculty and fellows had the opportunity to share knowledge about point of care ultrasound during an ultrasound workshop that included live pediatric models. Best of all, it was a true cultural exchange in many ways. We look forward to returning!"

Justin L. Lockman, MD, MSEd
Pediatric Anesthesia and Critical Care
OMI VOICES

I was so inspired by the work that Dr. Lin does in ultrasound, and I was able to exchange experiences in quality and safety issues with Dr. McClung Pasqualino. Those interactions were very enriching for me.

Carlos Abalos Que Rodriguez Herrera, MD
OMI MEX Fellow from Mexico

The ultrasound workshop was very impressive. We were able to practice what we had learned in the course with real patients.

Sheila Cristo Romero Serres, MD
OMI MEX Fellow from Mexico

Dr. Lockman and Dr. DeWitt discussed communication with a patient’s family. I had not previously learned about how to deal with this; it was very good for me. In Peru, we still have a lot to improve regarding communication.

Ximena Ruiz, MD
OMI MEX Fellow from Peru
CONTACT

Salzburg Stiftung der AAF
Schloss Arenberg
Arenbergstrasse 10
5020 Salzburg | Austria

+43 662 640 101

seminars@openmedicalinstitute.org

www.openmedicalinstitute.org

www.openmedicalinstitute.org/news

portal.openmedicalinstitute.org
Follow us
Open Medical Institute now on Instagram
@openmedicalinstitute