30 fellows from Laos, Nepal, the Philippines, and Vietnam

29 fellows’ case presentations

6 faculty members from the USA

7 excellent case presentations

15 didactic lectures

1 simulation training

1 round table with local experts
# OMI Vietnam Weill Cornell Seminar in Anesthesiology, Critical Care, and Pulmonology

**Sunday, July 23 – Thursday, July 27, 2023**  
**Peace Room | 2nd Floor | Building I | VinUni Campus**

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<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
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<td><strong>08:00</strong></td>
<td><strong>09:00</strong></td>
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| **09:00** | **10:00** | **Introductions**  
**Pre-Seminar Test** | **Sepsis**  
**Augustine M.K. Choi, MD** | **New Generations of**  
**Cardiac Output Monitoring Devices**  
**Liang Shen, MD, MPH** |
| **10:00** | **11:00** | **Intraoperative Use of**  
**Vasopressors and Inotropes**  
**Christine Lennon, MD** | **Sepsis Resuscitation and Adjunctive**  
**Therapies**  
**Edward J. Schenck, MD, MS** | **Interstitial Lung Disease: Assessment**  
**and Management**  
**Robert J. Kaner, MD** |
| **11:00** | **11:15** | **COFFEE BREAK** | **COPD: Diagnosis and Therapy**  
**Robert J. Kaner, MD** | **Workshop**  
**Fellows’ Case Presentations**  
**Post-Seminar Test**  
**Evaluation & Discussion** |
| **11:15** | **12:15** | **Epidemiology and Treatment of**  
**Respiratory Infections**  
**Robert J. Kaner, MD** | **Workshop**  
**Fellows’ Case Presentations**  
**Round Table**  
**with Experts from the Region** | **12:15-13:15** | **LUNCH**  
**13:15-14:15** | **Perioperative Pacemaker**  
**and ICD Management**  
**Liang Shen, MD, MPH** | **Anesthesia for Abdominal Transplant**  
**Christine Lennon, MD** |
| **14:15** | **15:15** | **Mechanical Ventilation for**  
**Acute Respiratory Failure**  
**Edward J. Schenck, MD, MS** | **Venoarterial and Venovenous ECMO**  
**Liang Shen, MD, MPH** | **14:00-15:00** | **VinUni Campus Tour**  
**for Fellows** |
| **15:30** | **16:30** | **Perioperative Bleeding and**  
**Patient Blood Management**  
**Christine Lennon, MD** | **Simulation Training**  
**Workshop**  
**Fellows’ Case Presentations** |
| **16:30** | **17:30** | **Workshop**  
**How to Present a Case**  
**Presentations by Faculty to Fellows** | **14:00-16:00** | **VinMec Tour**  
**for Faculty** |
| **17:30** | **18:00** | **FACULTY MEETING TO REVIEW THE WEEK** | **18:00** | **WELCOME DINNER FOR FACULTY** |
| **18:00** | **19:00** | **DINNER** | **DINNER** | **DINNER** |
| **19:00** | **21:00** | | | |

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Wolfgang Aulitzky, MD is the Medical Director of the American Austrian Foundation. He is the Associate Dean of International Medicine and Distance Learning, Adjunct Professor of Clinical Urology, and Adjunct Professor of Clinical Reproductive Medicine at Weill Cornell Medicine. In 2016, he was appointed as an Adjunct Professor of Pediatrics in the Associated Faculty of the Perelman School of Medicine at the Children’s Hospital of Philadelphia. He is also an Associate Professor of Urology at the Medical University of Innsbruck and a Visiting Professor at the Medical University of Vienna. Amongst others, he is a member of the American, German, and Austrian Societies of Urology and was awarded the Zuckerkandipreis of the Austrian Society of Urology in 1989. He received the Silver Medal in 1995, the Golden Medal for Merits to the Republic of Austria in 2007, and the Cross of Honor of the Land Salzburg in 2014. As Director of the Medical Program of the American Austrian Foundation, he initiated the Open Medical Institute, a scientific and educational collaboration of Weill Cornell Medicine, Children’s Hospital of Philadelphia, Duke University, Columbia University, Cleveland Clinic, and leading hospitals in Austria. Dr. Aulitzky earned his medical degree at the University of Innsbruck in 1977, was a research associate at the University of Uppsala, Sweden and Rockefeller University, New York. He received his education as a urologist at the University of Innsbruck and the General Hospital of Salzburg. He is the author of more than 140 publications on Urology, Andrology and Health Care issues, and is the co-author of books on basic and clinical urology/andrology.
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Augustine M.K. Choi, MD served as the Stephen and Suzanne Weiss Dean of Weill Cornell Medicine and Provost for Medical Affairs of Cornell University from 2017 to 2022. Prior to his appointment as dean, he served as the Sanford I. Weill Chairman and Professor of Medicine in the Joan and Sanford I. Weill Department of Medicine at Weill Cornell Medicine and as physician-in-chief of NewYork-Presbyterian/ Weill Cornell Medical Center. Before joining NYP/WCM, Dr. Choi was the Parker B. Francis Professor of Medicine at Harvard Medical School and Chief of Pulmonary and Critical Care Medicine at the Brigham and Women’s Hospital. He received his MD from the University of Louisville and completed his Internal Medicine residency at Duke University Medical Center. He then pursued his Pulmonary/Critical Care Medicine fellowship at Johns Hopkins and was a faculty member at Johns Hopkins and at Yale. Dr. Choi served as Chief, Division of Pulmonary, Allergy and Critical Care Medicine at the University of Pittsburgh and Harvard Medical School and Brigham and Women's Hospital. He has a longstanding commitment to the training of physician-scientists. His research interest has focused on the regulation and function of stress response genes in response to oxidative stress. He has translated the two decades of basic discoveries made in the signaling pathway and function of HO/CO to human patients with lung and vascular diseases. His research team has recently completed 2 NIH supported Phase II clinical trials, in the treatment for human sepsis and lung fibrosis. Dr. Choi also has interest in genomic approaches in identifying candidate genes important in the pathogenesis of lung diseases. Dr. Choi has authored more than 377 peer-reviewed manuscripts and is currently the Principal Investigator of multiple NIH RO1’s. He is a recipient of the ATS Recognition Award for Scientific Accomplishments and Amberson Lecture, the top research award in the international ATS community. He is a member of the American Society of Clinical Investigation and the Association of American Physicians. Dr. Choi was elected to the National Academy of Medicine in 2020.
Hugh C. Hemmings, Jr., MD, PhD, FRCA
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Hugh C. Hemmings, Jr., MD, PhD, FRCA is the Joseph F. Artusio Jr. Professor and Chair of Anesthesiology, Professor of Pharmacology, and Senior Associate Dean for Research at Weill Cornell Medicine, and Anesthesiologist-in-Chief at NewYork-Presbyterian Hospital/Weill Cornell Medical Center. Dr. Hemmings earned a BS in Biochemistry from Yale College, a PhD in pharmacology from Yale Graduate School, and an MD from Yale School of Medicine. He completed postdoctoral work at The Rockefeller University, a residency in Anesthesia at the Massachusetts General Hospital, and a fellowship in cardiac anesthesia at NewYork-Presbyterian Hospital/Weill Cornell Medical Center, where he has been a faculty member for 30 years. An internationally recognized neuropharmacologist, Dr. Hemmings is an expert in the synaptic effects of general anesthetics and mechanisms of neuronal signal transduction, and his research is supported by the US National Institutes of Health. He is active in several national and international societies for anesthesiology and neuroscience, and serves as editor-in-chief of the British Journal of Anaesthesia. He is an elected Fellow of the Royal College of Anesthetists, a member of the Association of University Anesthesiologists, and a member of the US National Academy of Medicine. Dr. Hemmings has published over 200 articles in anesthesiology and neuroscience, and has edited four books, including Pharmacology & Physiology for Anesthesia: Foundations and Clinical Application, 2e published in 2019.
Robert J. Kaner, MD

Robert J. Kaner, MD has been involved in investigative pursuits in pulmonary and critical care research throughout his career, with major translational research interests in interstitial lung disease and mechanisms of accelerated emphysema in HIV+ smokers. He was the Principal Investigator of the Weill-Cornell site of the NIH-sponsored Idiopathic Pulmonary Fibrosis (IPF) Clinical Research Network for which he chaired the Adjudication Committee (adjudication for IPF diagnosis for enrollment and endpoints such as acute exacerbations, respiratory hospitalizations, etc.). He has extensive experience in the phenotyping of subjects with lung disease and their enrollment in research studies. He leads a twice monthly multidisciplinary interstitial lung disease (ILD) conference. He directs a WCM Pulmonary Fibrosis Foundation Clinical Center of Excellence, participating in their research registry, as well as unrelated multicenter clinical trials evaluating various pharmacologic interventions in IPF and other ILDs, sponsored by both NIH and pharma. Dr. Kaner has extensive experience with submitting IRB protocols, enrolling lung disease subjects and controls in research protocols, performing research bronchoscopies and collecting biological samples for acquisition of high-quality RNA and cell cultures of alveolar macrophages and airway epithelial cells, used as the basis for airway basal cell cultures, as well as endobronchial biopsies. In that regard, he has performed all the research bronchoscopies for Columbia U. in the bronchoscopy sub study of the NHLBI SPIROMICS and is now leading the SPIROMICS bronchoscopy substudy. He is currently analyzing data from a network-wide analysis of all the alveolar macrophage samples by RNA-sequencing. In a separate NHLBI-funded pilot study, he carried out research bronchoscopies on subjects with HIV and COPD and/or emphysema before and after 3 months of doxycycline or placebo as a proof-of-concept study for BAL matrix metalloproteinase (MMP) inhibition. This was based on his previous observations of upregulated alveolar macrophage gene expression of MMPs as well as MMP proteins in BAL fluid in HIV+ individuals with early emphysema. This work has led to an NIH-funded Phase II clinical trial to test the efficacy of doxycycline in slowing emphysema progression in people living with HIV. He is also participating in pharmacologic intervention studies in COPD and emphysema sponsored by the DOD and NIH.
Christine Lennon, MD is an anesthesiologist who specializes in transplant anesthesiology. Dr. Lennon grew up in New Jersey and New York. She completed her undergraduate studies at Dartmouth College and graduated from Rutgers Medical School. She completed her anesthesiology residency at Cedars Sinai Medical Center in Los Angeles, CA, where she was chief resident. She went on to complete her fellowship in critical care medicine at Northwestern Memorial Hospital in Chicago, IL. Dr. Lennon joined the faculty of Weill Cornell Medicine/ New York-Presbyterian Hospital in 2012 and is currently an Assistant Professor of Anesthesiology. She has served as Chief of Abdominal Transplant Anesthesiology since 2017; in this role she oversees clinical operations involving liver and kidney transplant and complex hepatobiliary surgery and contributes to educational efforts including formal resident and fellowship didactics and development of simulation-based learning modules. For several years Dr. Lennon has been a co-director of the Tristate Regional Liver Transplant Anesthesiology conference, sponsored by the Society for the Advancement of Transplant Anesthesia, also serving as speaker and session moderator. Dr. Lennon recently co-authored chapters on anesthesia for liver and kidney transplantation in the upcoming book Yao & Artusio’s Anesthesiology: Problem-Oriented Patient Management 8th ed. Dr. Lennon’s other clinical activity focuses on neuroanesthesia, perioperative medicine, and critical care medicine.
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Edward J. Schenck, MD, MS is a practicing intensivist with expertise in the treatment of sepsis and acute respiratory failure. Dr. Schenck grew up in Rhode Island located in the Northeastern United States and holds a Bachelor of Science in Environmental Science and Biology from the University of Pennsylvania. He graduated from Temple University School of Medicine and completed his internal medicine residency at New York-Presbyterian Hospital Weill Cornell Medical Center. He served as chief resident at Memorial Sloane Kettering Cancer Center. He then completed a clinical fellowship in Pulmonary and Critical Care Medicine at New York University Langone Medical Center. Since completing his fellowship, Dr. Schenck has served as a faculty member in the division of Pulmonary and Critical Care Medicine in the Department of Medicine at Weill Cornell Medicine. After working clinically for several years specializing in the management of sepsis and acute respiratory failure, Dr. Schenck developed a research interest in the clinical, computational, and translational physiology of critical illness. His goal is to help us understand the complexity and heterogeneity of critical illness through machine learning and translational methodology. Mentored by Dr. Augustine M. K. Choi MD and supported by grants from the NHLBI, Dr. Schenck’s research impact has grown. Recent publications include an early report of the respiratory mechanics and gas exchange of a large cohort of patients with COVID-19 associated respiratory failure, and a novel analysis of the differential trajectory of organ dysfunction in patients with sepsis. He is a peer reviewer for multiple major critical care journals and is an associate editor for the American Journal of Respiratory and Critical Care medicine. Dr. Schenck remains on the faculty of Weill Cornell Medical College and New York Hospital as Assistant Professor of Medicine. He lives in Westchester County adjacent to New York City with his wife Dr. Kelly Axsom and children Emilia and Nathan.
Liang Shen, MD, MPH is a physician in anesthesiology and critical care medicine. He was born in central China but grew up in New York City. He undertook his undergraduate studies at Duke University in North Carolina, where he graduated with honors. He attended medical school at the Icahn School of Medicine at Mount Sinai, in Manhattan, New York, and pursued his postgraduate medical education at the Johns Hopkins Hospital, in Baltimore, Maryland, where he completed both anesthesiology residency and critical care fellowship training. He is currently an Assistant Professor of Clinical Anesthesiology at Weill Cornell Medicine. Dr. Shen practices clinical anesthesiology, attending in the general operating rooms and various procedural suites; as well as critical care, focusing his efforts primarily in the cardiothoracic ICU, and spending some time in the general surgical ICU as well. His academic pursuits center on critical care education for postgraduate physicians, simulation in medical education, and application of novel technologies in the ICU. He is the current associate program director of the anesthesiology critical care fellowship at Weill Cornell Medicine/ NewYork-Presbyterian Hospital and has served as the anesthesiology medical student clerkship director for Weill Cornell Medical College. He serves on numerous committees with the Society of Critical Care Medicine, Society of Critical Care Anesthesiologists, American Board of Anesthesiology, and New York State Society of Anesthesiologists. He lives in Manhattan with his wife and two young children.
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"The OMI is a global leader in promoting the most updated continuing medical education for physicians worldwide. Maintaining the longstanding impact the OMI seminars have had in Salzburg and Mexico City, Weill Cornell Medicine faculty members are proud to participate in the inaugural OMI Vietnam courses. This program, held in Hanoi, has been amazingly successful, as we have enjoyed our interactive seminar with young colleagues from Southeast Asia. We are looking forward to continued success!"

Augustine M.K. Choi, MD
Anesthesiology, Critical Care, and Pulmonology
OMI VOICES

"The simulation training was truly a special experience! With three stations to explore, I had the chance to learn from skilled professionals about transthoracic echocardiography, airway management, and ACLS. Dr. Shen’s case scenario of cardiac arrest after cardiac surgery resonated with me deeply. I gained valuable new insights that I can now apply in my practice."

Anh Pham Duc, MD
OMI Fellow from Vietnam

"Dr. Kaner’s talk on interstitial lung disease was truly engaging. I found his lecture to be very relevant to my practice as we frequently admit patients with this kind of disease. The information he shared was incredibly valuable and I cannot wait to apply it to the practice."

Ouyen Tran Thanh, MD
OMI Fellow from Vietnam

"This seminar was indeed a memorable experience. I learned a lot from the esteemed faculty and even from the fellows through their unique cases presentations. I very much enjoyed the networking opportunities with other professionals. I made new friends from Laos, the Philippines, and Vietnam. Thanks to the OMI for giving me this amazing opportunity to learn and to be a better doctor."

Anurag Rajacharya, MD
OMI Fellow from Nepal
Dr. Hemmings’ talk on thoracic anesthesia caught my attention. His presentation provided valuable updates that will definitely benefit my practice. During the coffee break, I had a wonderful opportunity to interact with him. We discussed my interest in transesophageal echocardiography, and he offered valuable guidance and encouragement in pursuing this endeavor.

Suniti Mahaju Bajracharya, MD
OMI fellow from Nepal

Dr. Shen’s lectures were the highlight of the seminar for me. As a cardiovascular anesthesiologist, I found his talks highly relevant to my daily practice. The discussions on pacemakers, cardiac output monitoring, and ECMO were particularly valuable. Additionally, the simulation of a cardiac arrest patient provided a relatable case scenario, allowing me to learn new techniques and ideas to implement in my work.

Suniti Mahaju Bajracharya, MD
OMI fellow from Nepal
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