



YALE DEPARTMENT OF ANESTHESIOLOGY  
5TH ANNUAL CELEBRATION OF RESEARCH

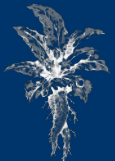


# COVID-19 INSPIRED ANESTHESIOLOGY EXPLORATIONS AND DISCOVERIES

**SATURDAY  
OCTOBER 17, 2020  
9:00AM - 12:30PM**

THIS VIRTUAL EVENT WILL  
SHOWCASE PRESENTATIONS  
FROM FACULTY AND  
TRAINEES COVERING  
TOPICS RELATED TO THE  
COVID-19 RESPONSE.

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# COVID-19 INSPIRED ANESTHESIOLOGY EXPLORATIONS AND DISCOVERIES

Saturday October 17, 2020 9:00AM-12:30PM

**9:00 AM Welcoming Remarks**

Roberta Hines, MD  
Chair, Anesthesiology; Nicholas M. Greene Professor of Anesthesiology; Yale School of Medicine

**Paradigm Shift in Clinical Care Moderator: Robert B. Schonberger, MD, MHS**

**9:05 AM Anesthesiologists During COVID-19: Roles Beyond Intubation**

Lingzhong Meng, MD  
Professor of Anesthesiology; Director of Neuroanesthesia; Yale School of Medicine

**9:20 AM The Yale Experience - Critical Care Workflow During the COVID-19 Pandemic**

Ranjit Deshpande, MD  
Assistant Professor of Anesthesiology; Director of Transplant Anesthesiology; Yale School of Medicine

**9:35 AM Prioritizing Neurosurgical Workflow During COVID-19 Pandemic at Two Tertiary Level Hospitals**

Shilpa Rao, MD  
Assistant Professor of Anesthesiology; Yale School of Medicine

**9:50 AM Discussion**

**10:00 AM Break**

**Novel Management Approaches Moderator: Helene Benveniste, MD, PhD**

**10:10 AM A Novel Approach to Early Diagnosis and Treatment of Lung Injury from SARS-CoV-2**

Paul Heerd, MD, PhD  
Professor of Anesthesiology; Director of Applied Hemodynamics; Yale School of Medicine

**10:25 AM PRaVenS: Anesthesiologists Facing a Ventilator Shortage**

Laura Niklason, MD, PhD  
Vice Chair of Clinical Research, Nicholas M. Greene Professor of Anesthesiology; Yale School of Medicine  
Clark Fisher, MD  
Research Scholars Program Resident; Yale School of Medicine

**10:40 AM Combined Use of ECMO, Prone Positioning, and APRV in COVID-19 Patients**

Hossam Tantawy, MBChB  
Assistant Professor of Anesthesiology; Associate Director of Critical Care; Yale School of Medicine  
Stephanie Ong  
Medical Student Anesthesia Research Fellow (MSARF), Foundation for Anesthesia Education and Research

**10:55 AM Discussion**

**11:05 AM Break**

**Public Health and Environmental Impact Moderator: Miriam Treggiari, MD, PhD**

**11:15 AM COVID-19 Mortality Risk for Older Men and Women**

David Yanez, PhD  
Professor of Biostatistics; Yale School of Medicine

**11:30 AM COVID-19 and Climate Change: Supply Chain Resiliency and Accountability**

Jodi Sherman, MD  
Associate Professor of Anesthesiology and Epidemiology; Director of Sustainability; Yale School of Medicine

**11:45 PM How long will it take and how much will it cost? Vaccine Timelines and Implications for Response Strategies to SARS-CoV-2 in the United States**

Robert B. Schonberger, MD, MHS  
Associate Professor of Anesthesiology; Director of the Research Scholars Program; Yale School of Medicine

**12:00 PM Psychological Impact on Healthcare Providers**

Matthew Burg, PhD  
Professor of Medicine in the Section of Cardiovascular Medicine, and Professor of Anesthesiology; Yale School of Medicine

**12:15 PM Discussion**

**12:25 PM Closing Remarks**

Roberta Hines, MD  
Chair, Anesthesiology; Nicholas M. Greene Professor of Anesthesiology; Yale School of Medicine