REGISTRATION BROCHURE

ADS 11th Virtual Annual Conference
Scientific Discovery to Real World Implementation
June 13-15, 2021

American Delirium Society
6737 West Washington Street, Suite 4210, Milwaukee, WI 53214
P: (414) 488-3912 • F: (414) 276-7704 • info@americandeliriumsociety.org
Welcome

Welcome to the American Delirium Society (ADS) 2021 Virtual Annual Conference! We are pleased to host a 3-day meeting experience, which is expected to draw more than 400 investigators, educators and clinicians from all spectrums of healthcare and from around the globe! #ADS21Virtual is the destination for professionals dedicated to improving delirium care at every level of their career.

The ADS conference focuses on learning with a diverse group of attendees across many disciplines and countries – each and every one striving to learn together as we improve delirium care across all healthcare settings.

The conference offers more than 20 symposia, workshops and roundtables, multiple abstract sessions, a virtual poster session and a robust all-day pre-conference. Internationally recognized faculty will deliver cutting edge clinical and research presentations encompassing all aspects of delirium care. We are proud to say that there will be something for everyone!

Don’t miss the following important events:

- A dynamic full-day pre-conference. Through interactive didactic sessions and delirium assessment training, this intense curriculum will provide you with the skills to make important practice changes at your institution.

- Plenaries from internationally recognized translational, clinical and policy experts.

- Workshops and roundtables focused on practice improvement, education, research design/biostatistics, NIH funding and translational research.

- Symposia focused on imaging, biomarkers, ICU practice change, sleep, palliative care, pediatrics and post-operative delirium prevention.

- The NIDUS investigators will provide an update on their efforts to boost research infrastructure and training.

- Presentations of oral abstracts moderated by senior investigators in the field.

- A poster session moderated by experts in the field.

Finally, we wish to acknowledge the hard work and outstanding efforts of the Conference Planning Committee. A full list of committee members can be found on the next page.

We welcome you to the ADS 2021 Virtual Annual Conference and hope you take advantage of all ADS has to offer.
Learning Objectives

1. Identify evidence-based best practices for recognizing and assessing delirium among patients in hospital, outpatient, and long-term care settings.

2. Discuss evidence-based preventative and therapeutic strategies for reducing the prevalence and duration of delirium across the continuum of care.

3. Review novel and innovative strategies to develop, implement, evaluate and sustain health system delirium reduction efforts.

4. Explain emerging and high-impact research focused on delirium epidemiology, pathophysiology, diagnosis, prevention and treatment.

Program Information

Mission of the American Delirium Society
The goals of the American Delirium Society are to foster research, education, quality improvement, advocacy and implement science to minimize the impact of delirium on short- and long-term health and well-being of patients.

Accreditation Statement
In support of improving patient care, this activity has been planned and implemented by the American Delirium Society and Sutter Health. Sutter Health is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.
# Program Schedule

## PRE-CONFERENCE

**Sunday, June 13, 2021** *(Times listed are in Eastern Standard Time)*

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:50am – 10:00am</td>
<td>Opening Comments</td>
</tr>
<tr>
<td></td>
<td>Heidi Lindroth, PhD, RN &amp; Leanne Boehm, PhD, RN</td>
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<tr>
<td>10:00am – 10:20am</td>
<td>Delirium: The Lived Experience</td>
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<td>Patient/Caregiver</td>
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<td>Chris Hughes, MD</td>
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<tr>
<td>10:40am – 11:10am</td>
<td>Pathophysiology of Delirium and Associated Symptoms</td>
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<td>Gideon Caplan, MB BS, MD, FRACP</td>
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<tr>
<td>11:10am – 11:30am</td>
<td>Outcomes Associated with Delirium</td>
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<td>Michele Balas, PhD, RN, CCRN-K, FCCM, FAAN</td>
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<tr>
<td>11:30am – 12:00pm</td>
<td>Break</td>
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<tr>
<td>12:00pm – 12:30pm</td>
<td>Delirium Nonpharmacologic and Pharmacologic Prevention and Management Strategies</td>
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<tr>
<td></td>
<td>Esther Oh, MD, PhD &amp; Joanna Stollings, PharmD, FCCM</td>
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### CONCURRENT SESSIONS

**12:30pm – 1:00pm**

- **Delirium Prevention and Management Breakout: Pediatric**
  Roberta Castro, MD, MSC, PhD, Heidi Smith, MD, MSCI, FAAP, Stacey Williams, CPNP-AC & Alexandria Barry, BSN, MBA
- **Delirium Prevention and Management Breakout: ICU/Ward**
  Esther Oh, MD, PhD, Michele Balas, PhD, RN, CCRN-K, FCCM, FAAN & Clay Angel, MD
- **Delirium Prevention and Management Breakout: Long-Term Care**
  Christine Waszynski, DNP, APRN, GNP-BC & Jim Rudolph, MD

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<th>Time</th>
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<tr>
<td>1:00pm – 1:30pm</td>
<td>Break</td>
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<tr>
<td>1:30pm – 2:00pm</td>
<td>Tools of the Trade: Delirium Assessment: Pediatric (pCAM-ICU)</td>
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<td>Stacey Williams, CPNP-AC &amp; Alexandria Berry, RN</td>
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<tr>
<td>2:00pm – 2:30pm</td>
<td>Tools of the Trade: Delirium Assessment: ICU (CAM-ICU)</td>
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<td>Pratik Pandharipande, MD, MSCI &amp; Kerri Maya, MSL, RN, PHN</td>
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<tr>
<td>2:30pm – 3:00pm</td>
<td>Tools of the Trade: Delirium Assessment: Ward (3D-CAM and 4AT)</td>
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<td>Clay Angel, MD &amp; Alasdair MacLullich, MRCP, PhD</td>
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<tr>
<td>3:00pm – 3:30pm</td>
<td>Tools of the Trade: Delirium Assessment: Long-Term Care (FAM-CAM)</td>
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<td>Jim Rudolph, MD &amp; Christine Waszynski, DNP, APRN, GNP-BC</td>
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<tr>
<td>3:30pm – 4:00pm</td>
<td>Bringing it all Together - Delirium Implementation &amp; Strategy Breakout Session</td>
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<td></td>
<td>Pratik Pandharipande, MD, MSCI, FCCM, Kerri Maya, MSL, RN, PHN, Clay Angel, MD, Stacey Williams, CPNP-AC, Heidi Smith, MD, MSCI, FAAP, Sikandar Khan, DO, MS &amp; Jim Rudolph, MD</td>
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<tr>
<td>4:00pm</td>
<td>Closing Comments and Announcements</td>
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# Program Schedule continued

## Conference Program

**Monday, June 14, 2021**  
*Times listed are in Eastern Standard Time*

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<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>9:00am – 10:00am</td>
<td>ADS Committee Meetings</td>
<td>Zoom Room 7</td>
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<tr>
<td>10:00am – 10:30am</td>
<td>Welcome: Presidential Address &amp; Meeting Announcements</td>
<td>Zoom Room 1</td>
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<tr>
<td>10:30am – 11:15am</td>
<td>Plenary: Leveraging Agile Implementation of Delirium Care</td>
<td>Zoom Room 1</td>
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<td></td>
<td>Malaz Boustani, MD, MPH</td>
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<tr>
<td>11:20am – 12:05pm</td>
<td>Plenary: Preclinical Delirium Models: Beauty and the Beast</td>
<td>Zoom Room 1</td>
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<td>Roderic Eckenhoff, MD</td>
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<tr>
<td>12:05pm – 12:35pm</td>
<td>Break</td>
<td>Zoom Room 1 (remains open)</td>
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<td>12:05pm – 12:35pm</td>
<td>Sponsor Presentation - Prolira</td>
<td>Zoom Room 5</td>
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<td>Workshop: Stats Part 1 - Improving the Design and Analysis of Delirium</td>
<td>Zoom Room 1</td>
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<td>Studies</td>
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<td></td>
<td><em>Moderator: Elizabeth Colantuoni, PhD</em></td>
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<td>Louise Rose, PhD, RN &amp; Sujuan Gao, PhD</td>
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<td>Symposium: Delirium and Serious Mental Illness</td>
<td>Zoom Room 2</td>
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<td><em>Moderator: Mark Oldham, MD</em></td>
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<td>Dan Bateman, MD, Josh Baruth, MD, PhD &amp; Jo Ellen Wilson, MD, MPH</td>
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<td>Symposium: Animal Models of Delirium: What Are We Measuring and Is It</td>
<td>Zoom Room 3</td>
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<td>Delirium?</td>
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<td><em>Moderator: Zhongcong Xie, MD</em></td>
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<td>Kathy Murphy, BVetMed, PhD, MRCVS &amp; Deborah Culley, MD</td>
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<td>Oral Abstracts 1: Delirium Implementation &amp; Real-World Experience</td>
<td>Zoom Room 4</td>
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<td><em>Moderators: Tanya Mailhot, RN, PhD &amp; Mark Hudson, BSc</em></td>
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<td></td>
<td>• Beyond the ICU: The Association Between Post Intensive Care Syndrome</td>
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<td>and Survivors of Severe COVID-19 - Sarah Seyffert, MD</td>
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<td>• Delirium-Related Distress in the Intensive Care Unit: A Meta-Synthesis</td>
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<td>of Patient and Family Perspectives and Experiences - Leanne Boehm, RN</td>
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<td>PhD, ACNS-BC</td>
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<td>• Implementing a Delirium Care Bundle in Alberta Intensive Care Units</td>
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<td>An Interrupted Time Series Analysis - Victoria Owen, RN</td>
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<td>• Factors Influencing Delirium Screening in Pediatric Intensive Care</td>
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<td>Patients - Razvan Azamfirei, MS</td>
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<td></td>
<td>Symposium: Bundling Care: More than Cuddling in Pediatrics</td>
<td>Zoom Room 4</td>
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<td>*Moderator: Roberta E V Castro, MD, MSC, PhD &amp; Heidi Smith, MD</td>
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<td>Ann Sweeney, MD, Tracie Walker, MD, Stacey Williams, DNP &amp; Kristina</td>
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<td>Betters, MD</td>
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<td>NIDUS Updates</td>
<td>Zoom Room 1</td>
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<td><em>Moderator: Sharon Inouye, MD, MPH</em></td>
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<td>Workshop: Delirium Management in the ICU</td>
<td>Zoom Room 2</td>
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<td><em>Moderator: Federico Carlos Carini, MD</em></td>
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<td>Arjen Slooter, MD, PhD, Timothy Girard, MD, MSCI &amp; Lisa Burry, PharmD</td>
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<td>Roundtable: Anticholinergics and Delirium: Harmonizing Assessment</td>
<td>Zoom Room 3</td>
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<td><em>Moderator: Chris Fox, MD</em></td>
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<td>Ian Maidment, PhD, Phyo Myint, MBBS, MD, FRCPE, FRCP, Sami Saber, PhD</td>
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<td>&amp; Noll Campbell, PharmD, MS, Hulkan Mamayusupova, PhD</td>
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<td>Betters, MD</td>
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*Zoom Room links will be provided 72 hours prior to the meeting*
## Program Schedule continued

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<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>2:45pm – 3:45pm</td>
<td><strong>NIDUS Pilots 1</strong>&lt;br&gt;<strong>Moderator: Michael Avidan, MD</strong>&lt;br&gt;Sean Barnes, MD, Sangil Lee, MD &amp; Michael Reznik, MD</td>
<td>Zoom Room 1</td>
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<td><strong>Workshop: Process Improvement in the ICU: Delirium Assessment and Management to Empower Bedside Caregivers</strong>&lt;br&gt;<strong>Moderator: Adriane Lewandowski, MSN, CCRN</strong>&lt;br&gt;Oksana Zvereva, BSN, RN, Serena Dine, PharmD, BCPS, BCCCP, FCCM &amp; Catherine Collins, PT, DPT</td>
<td>Zoom Room 2</td>
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<td><strong>Symposium: Tackling Medication Management in the ICU and Beyond: Improving Patient Care Through Integration of Clinical Pharmacy Services</strong>&lt;br&gt;<strong>Moderator: Karmen Stephens, PharmD, BCGP</strong>&lt;br&gt;Amanda Bektas, PharmD, Andrew Lodolo, PharmD, FCCM, BCPS, BCCCP, Jessica Whitten, PharmD, BCPS, BCCCP, Joanna Stollings, PharmD, FCCM, FCCP</td>
<td>Zoom Room 3</td>
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<td><strong>Symposium: Delirium Monitoring and Management in the Busy Emergency Department</strong>&lt;br&gt;<strong>Moderator: Jin Han, MD, MSc</strong>&lt;br&gt;Maura Kennedy, MD &amp; Sangil Lee, MD, MS</td>
<td>Zoom Room 4</td>
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<td>3:50pm – 4:50pm</td>
<td><strong>Symposium: Optimizing Brain Health and Preventing Delirium Throughout the Perioperative Journey</strong>&lt;br&gt;<strong>Moderator: James Rudolph, MD</strong>&lt;br&gt;Deborah Culley, MD, Rakesh Arora, MD, PhD, FRCSC &amp; Heidi Lindroth, PhD, RN</td>
<td>Zoom Room 1</td>
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<td><strong>Symposium: Novel Approaches for Managing Pain, Anxiety, Delirium and Sedation in the ICU</strong>&lt;br&gt;<strong>Moderator: Jill Guttormson, PhD, RN</strong>&lt;br&gt;Linda Chlan, PhD, RN, ATSF, FAAN &amp; Annie Heiderschiet, PhD, MT-BC, LMFT</td>
<td>Zoom Room 2</td>
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<td><strong>Symposium: Connecting the Dots: The Relationship between Delirium and Dementia</strong>&lt;br&gt;<strong>Moderator: Sophia Wang, MD &amp; Jeffrey Browndyke, PhD</strong>&lt;br&gt;Mona Hopkins, PhD &amp; Joe Bienvenu, MD, PhD</td>
<td>Zoom Room 3</td>
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<td>3:50pm – 4:50pm</td>
<td><strong>Oral Abstracts 2: Delirium Discovery: Identification &amp; Risk Factors</strong>&lt;br&gt;<strong>Moderators: Viviane Veiga, PhD &amp; Kimberly Oosterhouse, PhD, RN</strong>&lt;br&gt;• VE-CAM-S: Visual EEG-Based Delirium Score in Patients Undergoing Continuous EEG - Ryan Tesh, BSc&lt;br&gt;• Postoperative Delirium in Non-ICU High Risk Geriatric Patients - Frederick Sieber, MD&lt;br&gt;• Baseline Sleep as a Predictor of Delirium After Surgical Aortic Valve Replacement: A Feasibility Study - Mark Oldham, MD&lt;br&gt;• Impact of Family Presence on Delirium in Critically Ill Patients: A Retrospective Cohort Study - Samiha Mohsen, SM</td>
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## Program Schedule continued

### Monday, June 14, 2021 (Times listed are in Eastern Standard Time)

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<th>Time</th>
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| 4:55pm – 5:55pm | **Symposium: Pain, Sleep and Cognition - Feasible Targets to Prevent Postoperative Delirium**  
Moderator: Brian O’Gara, MD, MPH  
Edward Marcantonio, MD, SM, Balachundhar Subramaniam, MD, MPH & Lei Gao, MBBS |
|               | **Workshop: Statistical Consultation for Junior Clinical Investigators**  
Moderator: Rameela Raman, PhD  
Elizabeth Colantuoni, PhD & Richard Jones, PhD, ScD |
|               | **Roundtable: How Can We Harmonize the Methodologies of Clinical and Basic Science Research in the Fields of Delirium and ADRD?**  
Moderator: Sophia Wang, MD & Jeffrey Browndyke, PhD  
Michele Cavallari, MD, PhD, Niccolo Terrando, PhD & Miles Berger, MD, PhD |
|               | **Oral Abstracts 3: Delirium Discovery: Biomarkers & Pathophysiology**  
Moderators: Jim Rudolph, MD & Mike Devinney, MD, PhD  
- Elevated Serum Fibroblast Growth Factor-21 in Older Patients with Postoperative Delirium After Major Cardiac Surgery - Tina McKay, PhD  
- Meta-Analysis of ICU Delirium Biomarkers and Their Alignment with the NIA-AA Research Framework - Carol Chan, MBBCh  
- Short-Term Ketogenic Feeding Rescues a Delirium Model in Young but Not Aged Mice - Wyatt Gray  
- Brain Atrophy and White Matter Lesions in Delirium: A Computed Tomography Study of 1841 Older Acute Medical Inpatients - Karen Ferguson, PhD |

### Tuesday, June 15, 2021 (Times listed are in Eastern Standard Time)

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<tr>
<th>Time</th>
<th>Event</th>
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| 8:00am – 10:00am | **Thematic Poster Presentations and Networking**  
Announcements and Abstract Awards |
| 10:00am – 10:30am | **Plenary: New Horizons in Delirium Research**  
Sharon Inouye, MD, MPH |
| 10:30am – 11:15am | **Delirium and COVID-19: State of the Science**  
- Delirium and Encephalopathy in Severe COVID-19 - Sara C. LaHue, MD  
- Prevalence and Risk Factors for Delirium in Critically Ill Patients with COVID-19 - Brenda T Pun, DNP, RN, FCCM & Rafael Badenes, MD, PhD, DESA, MSc  
- Delirium in Older Patients with COVID-19 Presenting to the Emergency Department - Maura Kennedy, MD, MPH  
- Delirium and COVID-19 in Patients Admitted to a Large Academic Hospital: Experience from Italy - Andrea Ticinesi, MD, PhD |
| 11:20am – 12:20pm | Break |
| 12:20pm – 12:50pm | **Sponsor Presentation - EyeControl** |
| 12:20pm – 12:50pm | **Sponsor Presentation - EyeControl** |
|               | **Sponsor Presentation - EyeControl** |

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<td><strong>CONCURRENT SESSIONS</strong></td>
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</table>
| 12:50pm – 1:50pm              | **NIDUS Pilots 2**  
**Moderator: Donna Fick, MD & Andrew Auerbach, MD, MPH**  
Ravikanth Velagapudi, PhD, Joseph Hippensteel, MD & Kimberly Oosterhouse, PhD  
Zoom Room 1                      |
| 1:55pm – 2:55pm               | **Symposium: Palliative Care & Delirium**  
**Moderator: Shirley Bush, MBBS**  
Alexia Mary Torke, MD, Meera Agar, MBBS, PhD & Annmarie Hosie, RN, PhD  
Zoom Room 2                      |
|                               | **Workshop: Delirium Pharmacoepidemiology: Application to Practice and Research**  
**Moderator: John Devlin, PharmD**  
Matthew Duprey, PharmD, Dae Kim, MD, MPH, ScD  
Zoom Room 3                      |
| 1:55pm – 2:55pm               | **NIDUS Oral Abstracts**  
**Moderators: Jan Busby-Whitehead, MD, John Devlin, PharmD**  
• Opioid Use Increases the Risk of Delirium in Critically Ill Adults - Matthew Duprey, PharmD  
• An Innovative Transitions Model of Care to Prevent Cascade of Problems After Delirium: “DDEFY Delirium”: A Pilot Feasibility Randomized Trial - Ariba Khan, MD, MOH  
• Post-Operative Delirium and Its Relationship with AT(N)-X Biomarkers: A Meta-Analysis - Sophia Wang, MD  
• Prevalence of Delirium in Older Adults Living with Dementia Receiving Home Health Care - Shih-Yin Lin, MPH, PhD  
Zoom Room 1                      |
| 3:00pm – 4:00pm               | **Symposium: Perioperative Delirium: Pathogenesis, Screening and Management**  
**Moderator: Esther Oh, MD, PhD**  
Sarinnapha Vasunilashorn, PhD, Lisbeth Evered, MSc, PhD & Haroon Burhanullah, MD  
Zoom Room 2                      |
|                               | **Workshop: Delirium and Care Transitions: Delirium in the Nursing Home**  
**Moderator: Jennifer Carnahan, MD**  
Machelle Wilchesky, PhD, Elizabeth Hathaway, MD & Ann Kolanowski, PhD, RN  
Zoom Room 3                      |
| 3:00pm – 4:00pm               | **NIH Updates**  
Luci Roberts PhD  
Zoom Room 1                      |
|                               | **Symposium: Sweet Dreams: Assessing the Impact of Implementing a Sleep Protocol and Validated Sleep Questionnaire in Critically Ill Patients**  
**Moderator: Todd Walroth, PharmD, BCPS, BCCCP**  
Alison Lewis, PharmD & Taylor Rhew, PharmD  
Zoom Room 2                      |
|                               | **Roundtable: Expanding Delirium from the Binary to the Spectrum; the Importance of Severity Measurement in Future Delirium Research**  
**Moderator: Zoë Tieges, PhD**  
Heidi Lindroth, PhD, RN  
Zoom Room 3                      |
**Invited Faculty**

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<tr>
<th>Invited Faculty</th>
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<tr>
<td>Meera Agar, MBBS, PhD</td>
<td>Sean Barnes, MD</td>
<td>Jeffrey Browndyke, PhD</td>
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<tr>
<td>University of Technology Sydney</td>
<td>Johns Hopkins University</td>
<td>Duke University School of Medicine</td>
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<td>Micheala Aldred, BS, PhD</td>
<td>Josh Baruth, MD, PhD</td>
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<td>Indiana University</td>
<td>Mayo Clinic Rochester</td>
<td>Johns Hopkins University</td>
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<td>Jan Busby-Whitehead, MD</td>
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<td>St. Boniface Hospital, University of Manitoba</td>
<td>Consana Health</td>
<td>University of North Carolina Medical Center</td>
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<td>Andrew Auerbach, MD, MPH</td>
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<tr>
<td>University of California, San Francisco</td>
<td>Duke University Medical Hospital</td>
<td>University of Ottawa</td>
</tr>
<tr>
<td>Michael Avidan, MD</td>
<td>Alexandria Barry, BSN, MBA</td>
<td>Noll Campbell, PharmD, MS</td>
</tr>
<tr>
<td>Washington University St. Louis</td>
<td>Vanderbilt University Medical Center</td>
<td>Purdue University College of Pharmacy</td>
</tr>
<tr>
<td>Razvan Azamfirei, MS</td>
<td>Kristina Betters, MD</td>
<td>Gideon Caplan, MB BS, MD, FRACP</td>
</tr>
<tr>
<td>Johns Hopkins University School of Medicine</td>
<td>Vanderbilt University</td>
<td>Prince of Wales Hospital</td>
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<tr>
<td>Michele Balas, PhD, RN, CCRN-K, FCCM, FAAN</td>
<td>Joe Bienvenu, MD, PhD</td>
<td>Federico Carlos Carini, MD</td>
</tr>
<tr>
<td>The Ohio State University</td>
<td>Johns Hopkins University School of Medicine</td>
<td>Hospital Italiano de Buenos Aires</td>
</tr>
<tr>
<td>Rafael Badenes, MD, PhD, DESA, MSc</td>
<td>Leanne Boehm, PhD, RN</td>
<td>Jennifer Carnahan, MD</td>
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<tr>
<td>Hospital Clinic Universitari</td>
<td>Vanderbilt University</td>
<td>Regenstrief Institute</td>
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<tr>
<td>Malaz Boustani, MD, MPH</td>
<td>Indiana University School of Medicine</td>
<td>Roberta Castro, MD, MSC, PhD</td>
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<td>Universidade do Estado do Rio de Janeiro</td>
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</tbody>
</table>

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**Program Schedule continued**

**CONFERECE PROGRAM**

**Tuesday, June 15, 2021** (Times listed are in Eastern Standard Time)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| **CONCURRENT SESSIONS** 4:05pm – 5:05pm | Symposium: Stats Part 2 - Improving the Design and Analysis of Delirium Studies  
Moderator: Elizabeth Colantuoni, PhD  
Timothy Tsai, MPH, Rameela Raman, PhD & Anne Donovan, MD  
Zoom Room 1 |
|             | Symposium: Unlocking the Network: Understanding Delirium Through Biomarkers of Neuroinflammation, Proteomics and DNA Damage  
Moderator: Micheala Aldred, BS, PhD  
Sarinnapha Vasunilashorn, PhD, James Rhee, MD, PhD & Sikandar Khan, DO, MS  
Zoom Room 2 |
|             | Roundtable: Definitions, Measures and Intervention Outcomes for Agitation During Illness and Medical Treatment  
Moderator: Annmarie Hosie, RN, PhD  
Meera Agar, MBBS, PhD, Thomas Fischer, PhD & Andrew Teodorczuk, PhD, MD, MRCPsych, MBChB, PFHEA  
Zoom Room 3 |
| 5:05pm – 5:10pm | Closing Remarks  
Zoom Room 1 |

Zoom Room links will be provided 72 hours prior to the meeting.
Invited Faculty continued

Michele Cavallari, MD, PhD  
Brigham and Women’s Hospital/Harvard University

Carol Chan, MBCh  
Johns Hopkins University

Linda Chlan, PhD, RN, ATSF, FAAN  
Mayo Clinic

Elizabeth Colantuoni, PhD  
Johns Hopkins University

Catherine Collins, PT, DPT  
Eskenazi Health

Deborah Culley, MD  
Perelman School of Medicine, University of Pennsylvania

Mike Devinney, MD, PhD  
Duke University Medical Center

John Devlin, PharmD  
Northeastern University

Serena Dine, PharmD, BCPS, BCCCP, FCCM  
Eskenazi Health

Anne Donovan, MD  
University of California, San Francisco

Matthew Duprey, PharmD  
Northeastern University School of Pharmacy

Roderic Eckenhoff, MD  
Perelman School of Medicine, University of Pennsylvania

Lisbeth Evered, MSc, PhD  
St. Vincent’s Hospital, University of Melbourne

Karen Ferguson, PhD  
Centre for Clinical Brain Sciences, University of Edinburgh

Donna Fick, MD  
Pennsylvania State University

Thomas Fischer, PhD  
Evangelische Hochschule Dresden

Chris Fox, MD  
UEA

Lei Gao, MBBS  
Massachusetts General Hospital

Sujuan Gao, PhD  
Indiana University School of Medicine

Timothy Girard, MD, MSCI  
University of Pittsburgh/UPMC Health System

Wyatt Gray  
The Buck Institute

Jill Guttmormson, PhD, RN  
Marquette University

Jin Han, MD, MSc  
Vanderbilt University Medical Center

Elizabeth Hathaway, MD  
Indiana University School of Medicine

Annie Heiderschiet, PhD, MT-BC, LMFT  
Augsburg University

Joseph Hippensteel, MD  
University of Colorado Denver

Mona Hopkins, PhD  
Brigham Young University

Anmmarie Hosie, RN, BHlthSci, MPaliCareAgeCare, PhD  
University of Notre Dame

Mark Hudson, BSc  
ICU Life and Recovery

Chris Hughes, MD  
Vanderbilt University Medical Center

Sharon Inouye, MD, MPH  
Hebrew SeniorLife

Richard Jones, PhD, ScD  
Brown University

Maura Kennedy, MD, MPH  
Massachusetts General Hospital

Ariba Khan, MD, MOH  
Advocate Aurora Health

Sikandar Khan, DO, MS  
Indiana University

Dae Kim, MD, MPH, ScD  
Hebrew SeniorLife Marcus Institute for Aging Research, Harvard University

Ann Kolanowski, PhD, RN  
Penn State

Sara LaHue, MD  
University of California, San Francisco

Sangil Lee, MD, MS  
University of Iowa

Adriane Lewandowski, MSN, CCRN  
Cleveland Clinic

Alison Lewis, PharmD  
St. Vincent’s Hospital Indianapolis

Shih-Yin Lin, MPH, PhD  
New York University Rory Meyers College of Nursing

Heidi Lindroth, PhD, RN  
Mayo Clinic Rochester

Andrew Lodolo, PharmD, FCCM, BCPS, BCCCP  
Eskenazi Health

Alasdair MacLullich, MRCP, PhD  
University of Edinburgh

Ian Maidment, PhD  
Aston University

Tanya Mailhot, RN, PhD  
Université de Montréal

Hulkar Mamayusupova, PhD  
Norwich Medical School, University of East Anglia

Edward Marcantonio, MD, MSc (Epi)  
Beth Israel Deaconess Medical Center

Kerri Maya, MSL, RN, PHN  
Sutter Health & UC Davis

Tina McKay, PhD  
Massachusetts General Hospital

Samira Mohsen, SM  
University of Calgary

Kathy Murphy, BVetMed, DPhil (PhD), MRCVS  
Icahn School of Medicine

Phyo Myint, MBBS, MD, FRCPE, FRCP  
University of Aberdeen

Brian O’Gara, MD, MPH  
Beth Israel Deaconess Medical Center

Esther Oh, MD, PhD  
Johns Hopkins University
Invited Faculty continued

Mark Oldham, MD  
University of Rochester Medical Center

Kimberly Oosterhouse, PhD  
Loyola University of Chicago, Marcella Niehoff School of Nursing

Victoria Owen, RN  
University of Calgary

Pratik Pandharipande, MD, MSCI  
Vanderbilt University Medical Center

Brenda Pun, DNP, RN, FCCM  
Vanderbilt University Medical Center

Rameela Raman, PhD  
Vanderbilt University School of Medicine

Michael Reznik, MD  
Brown University, Alpert Medical School/ Rhode Island Hospital

James Rhee, MD, PhD  
Massachusetts General Hospital

Taylor Rhew, PharmD  
Eskenazi Health

Luci Roberts  
National Institutes of Health

Louise Rose, PhD, RN  
King’s College London/Sunnybrook Health Sciences Centre

Jim Rudolph, MD  
Brown University

Sami Saber, PhD  
University of East Anglia

Sarah Seyffert, MD  
Indiana University School of Medicine

Frederick Sieber, MD  
Johns Hopkins University

Arjen Slooter, MD, PhD  
University Medical Center Utrecht

Heidi Smith, MD, MSCI, FAAP  
Vanderbilt University Medical Center

Karmen Stephens, PharmD, BCGP  
Consana Health

Joanna Stollings, PharmD, FCCM, FCCP  
Vanderbilt University Medical Center

Balachundhar Subramaniam, MD, MPH  
Beth Israel Deaconess Medical Center

Ann Sweeney, MD  
Vanderbilt University Medical Center

Andrew Teodorczuk, PhD, MD, MRCPsych, MBChB, PFHEA  
Griffith University

Niccolo Terrando, PhD  
Duke University

Ryan Tesh, BSc  
Massachusetts General Hospital

Andrea Ticinesi, MD, PhD  
Azienda Ospedaliero Universitaria di Parma

Zoë Tieges, PhD  
University of Edinburgh

Alexia Mary Torke, MD  
Indiana University School of Medicine

Zhongcong Xie, MD, PhD  
Massachusetts General Hospital/Harvard Medical School

Machelle Wilchesky, PhD  
McGill University

Stacey Williams, CPNP-AC, MSN, BSN  
Vanderbilt Children’s Hospital

Jo Ellen Wilson, MD, MPH  
Vanderbilt University Medical Center

Oksana Zvereva, BSN, RN  
Cleveland Clinic

Sarinnapha Vasunilashorn, PhD  
Beth Israel Deaconess Medical Center/ Harvard Medical School

Ravikanth Velagapudi, PhD  
Duke University

Viviane Veiga, PhD  
BP - A Beneficencia Portuguesa de São Paulo

Sophia Wang, MD  
Indiana University School of Medicine

Tracie Walker, MD  
University of North Carolina

Todd Walroth, PharmD, BCPS, BCCCP  
Eskenazi Health

Christine Waszynski, DNP, APRN, GNP-BC  
Hartford Hospital

Jessica Whitten, PharmD, BCPS, BCCCP  
Eskenazi Health

EyeControl

Kaiser Permanente
# Thematic Poster Presentations

**Tuesday, June 15, 2021 • 8:00 - 10:00 am EST**

**Poster Moderated Discussion Groups**

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<th>Presenting Author</th>
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</thead>
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<td>55</td>
<td>Delirium Outcomes in an Age Friendly Environment</td>
<td>Christine Waszynski, DNP, APRN, GNP-BC</td>
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<td></td>
<td>53</td>
<td>Location and Size Matter for Delirium and Stroke: A Meta-Analysis and Systematic Review</td>
<td>John Rhee, MD, MPH</td>
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<td></td>
<td>15</td>
<td>The Effect of Delirium and In-Hospital Falls on Length of Stay and Discharge Disposition</td>
<td>Benjamin Kalivas, MD</td>
</tr>
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<td></td>
<td>57</td>
<td>Barriers for Early Mobilization to Prevent Delirium in a Brazilian Pediatric Intensive Care Unit: Perceptions of a Multidisciplinary Team</td>
<td>Roberta E V Castro, MD, MSC, PhD</td>
</tr>
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<td></td>
<td>14</td>
<td>The Complex Interplay Between Pain, Analgesics, and Delirium in Critically Ill Adults</td>
<td>Matthew Duprey, PhamD</td>
</tr>
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<td>10</td>
<td>Patterns of Anxiety and Depression Symptoms Among Family Caregivers of Critically Ill Patients with Delirium: A Latent Profile Analysis</td>
<td>Stephana Cherak, MSc</td>
</tr>
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<td>51</td>
<td>Evaluation of the Post Intensive Care Syndrome Cognitive, Psychological and Physical Aspects and its Relation with Delirium in the Intensive Care Unit</td>
<td>Patricia Mesa, MD</td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>Understanding the Association Between Admission Source and In-Hospital Delirium: A Retrospective Cohort Study</td>
<td>Meghan Thomas, MD</td>
</tr>
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<thead>
<tr>
<th>Breakout Room B</th>
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<th>Presenting Author</th>
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<tbody>
<tr>
<td></td>
<td>23</td>
<td>What Delirium Detection Tools are Used in Routine Clinical Practice in the UK? A Freedom of Information Investigation Covering More Than 90% of UK Hospitals</td>
<td>Zoë Tieges, PhD</td>
</tr>
<tr>
<td></td>
<td>54</td>
<td>Detecting Delirium in High Risk Geriatric Patients (HRGP) in ED – The 4AT Way</td>
<td>Geoff Blackbyrne</td>
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<td>43</td>
<td>Postoperative Delirium Screening Using the 4AT In The PACU: A Cohort Analysis Of 1540 Elderly Surgical Patients in Israel</td>
<td>Yotam Weiss, MD</td>
</tr>
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<td>21</td>
<td>Implementation of the 4AT Delirium Detection Tool in Clinical Practice: Evidence from 69,462 Acute Medical Admissions in Two Centers</td>
<td>Miriam Veenhuizen, MBChB</td>
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<td>Demographic Analysis of Variations in 4AT Positivity Rates</td>
<td>Kathryn Agarwal, MD</td>
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<td>4</td>
<td>STOP DELIRIUM©: Using the NuDESC to Improve Delirium Screening in Medical-Surgical Populations</td>
<td>Karen Baatz, APRN, ACNS</td>
</tr>
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<td></td>
<td>22</td>
<td>Investigation and Treatment of Delirium: Analysis of the First 48 Hours Post-Diagnosis in Geriatrics Inpatients</td>
<td>Alexandra Peterson</td>
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<table>
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<tr>
<th>Breakout Room C</th>
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<th>Presenting Author</th>
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<tbody>
<tr>
<td></td>
<td>56</td>
<td>DNA Methylation in the TNF-Alpha Gene Decreases Along with Aging Among Delirium Inpatients</td>
<td>Takehiko Yamanashi</td>
</tr>
<tr>
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<td>47</td>
<td>Continuous Delirium Assessment During the Hospital Stay to Identify Demographic Risk Factors</td>
<td>Robert Dicks, MD</td>
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<td>4</td>
<td>Electroencephalogram and Cerebral Oximetry Values Among Cardiac Surgery Intensive Care Unit Patients with and without Delirium</td>
<td>Sophie Baelen</td>
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<tr>
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<td>46</td>
<td>The Association of AUDIT-C and Post-Operative Delirium in Cardiac Surgery Patients: A Retrospective Observational Study</td>
<td>Mudra Dave</td>
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<td></td>
<td>12</td>
<td>Association Between Perioperative Medication Use and Post-Operative Delirium and Cognition in Older Adults Undergoing Elective Non-Cardiac Surgery</td>
<td>Matthew Duprey, PhamD</td>
</tr>
<tr>
<td></td>
<td>34</td>
<td>Temporal Relationship of Benzodiazepines and Hospital Delirium</td>
<td>Patrick Robbins, MD</td>
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<td>2</td>
<td>Antipsychotics and Clinical Outcomes in Hospitalized Older Adults with Delirium</td>
<td>Thiago Avelino-Silva, MD, PhD</td>
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<td>44</td>
<td>Aged-Dependent Microbiota Dysbiosis and BBB Dysfunction as Pathogenesis Postoperative Delirium Pathogenesis</td>
<td>Yiying Zhang, MD, PhD</td>
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# Thematic Poster Presentations

**Tuesday, June 15, 2021 • 8:00 - 10:00 am EST**

**Poster Moderated Discussion Groups** continued

<table>
<thead>
<tr>
<th>Breakout Room D</th>
<th>Title</th>
<th>Presenting Author</th>
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<tbody>
<tr>
<td>19</td>
<td>Machine Learning Algorithm to Predict Delirium from Emergency Department Data</td>
<td>Sangil Lee, MD, MS</td>
</tr>
<tr>
<td>41</td>
<td>Modeling Postoperative Delirium in Mice with Parkinson’s Disease</td>
<td>Ravikanth Velagapudi, PhD</td>
</tr>
<tr>
<td>33</td>
<td>A Novel Physical Restraint Alternative for Early Mobilization, Delirium Prevention and Sedation Minimization in Intubated Patients</td>
<td>Marie Pavini, MD</td>
</tr>
<tr>
<td>29</td>
<td>Utilizing Therapeutic Activities to Prevent Delirium in High Risk Patients</td>
<td>Sofia Olesen, BSN, RN</td>
</tr>
<tr>
<td>6</td>
<td>Efficacy of Melatonnergics for Delirium Prevention in Hospitalized Older Adults: An Umbrella Review</td>
<td>Thomas Blodgett, PhD, RN, GCNS, AGACNP-BC</td>
</tr>
<tr>
<td>11</td>
<td>Assessing Nurse and Personal Support Worker Knowledge and Care Practices in Context of Delirium: Development of a Survey Tool</td>
<td>Laura Crump</td>
</tr>
<tr>
<td>49</td>
<td>Recovering Physical and Cognitive Function in ICU Survivors: Systematic Mapping</td>
<td>Sue Lasiter, PhD, RN</td>
</tr>
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<tr>
<th>Breakout Room E</th>
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<tr>
<td>35</td>
<td>Trends in Delirium Rate Across 14 Hospitals During the COVID-19 Pandemic: A Comparative Study</td>
<td>Asma Sabih, MD</td>
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<tr>
<td>18</td>
<td>Association Between COVID-19 Severity and Delirium in Hospitalized Adults with Confirmed SARS-CoV-2 Infection</td>
<td>Sara LaHue, MD</td>
</tr>
<tr>
<td>8</td>
<td>Delirium Prevalence and Outcomes in Critically Ill Patients with COVID-19: A Quality Improvement Study</td>
<td>Abigail Bucklin</td>
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<tr>
<td>17</td>
<td>EEG Signatures During Sedation and Emergence from Sedation in COVID-19 Patients with and without ICU-Delirium – Preliminary Results of the Pa-COVID Study</td>
<td>Susanne Koch, PhD</td>
</tr>
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<td>48</td>
<td>Acute Encephalopathy in EEG As Compared To Clinical Diagnosis of Delirium</td>
<td>Suzanne Hut</td>
</tr>
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<td>27</td>
<td>Rapid Handheld Limited EEG May Assist with Earlier Objective Delirium Detection in Critically Ill Older Adults</td>
<td>Malissa Mulkey, MSN</td>
</tr>
<tr>
<td>32</td>
<td>Natural Language Processing (NLP) Method Augments Identification of Delirium Facilitating Retrospective Research Study</td>
<td>Sandeep Pagali, MD, MPH</td>
</tr>
<tr>
<td>30</td>
<td>A Step Towards Building a Computable Delirium Phenotype: Analyzing the EHR Unstructured Data</td>
<td>Kimbery Oosterhouse, PhD, RN</td>
</tr>
</tbody>
</table>
Registration Form

*Denotes a required field

*Badge Name (first name to appear on the first line of the badge)

*First Name       MI       *Last Name

*Degree

*Specialty

*Affiliation (Organization)

*Mailing Address

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☒ Industry       ☐ Multi-Specialty Group       ☐ Non-Governmental

☒ Solo Practice       ☐ University       ☐ Other – Specify:

Primary Focus (check all that apply):

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