

**U13 Conference Series**  
**Delirium in Older Adults: Finding Order in the Disorder**  
*Supported by National Institute on Aging, American Geriatrics Society,  
and the John A. Hartford Foundation*

**Conference Agenda and Speakers**

***DAY 1: Sunday, February 9***

**Session 1: Delirium, Interface with Sleep, Voiding Dysfunction (moderator G. Kuchel)**

- 5:00PM – 5:15 Welcome and Introduction to U13 Conference Series and Delirium Conference
- Dr. George Kuchel, Chair, University of Connecticut
  - Dr. Edward Marcantonio, Co-Chair, Harvard University; Beth Israel Deaconess Medical Center; and
  - Dr. Jeffrey Silverstein, Co-chair, Mount Sinai
- 5:15 – 5:25 Welcoming Remarks from NIA – Dr. Marie Bernard
- 5:25 – 5:30 Welcoming Remarks from AGS – Nancy Lundebjerg
- 5:30 – 6:15 Delirium: What is it and what do we (not) know about it?  
(Dr. Edward Marcantonio, Co-chair, Harvard University; Beth Israel Deaconess Medical Center)
- 6:15 – 6:30 Discussion
- 6:30 – 7:30 Dinner
- 7:30 – 8:00 Keynote 1: Sleep Problems in Aging and their Relevance to Delirium  
(Dr. Cathy Alessi, University of California, Los Angeles; GRECC; VA Greater Los Angeles Healthcare System)
- 8:00 – 8:30 Keynote 2: Voiding Dysfunction and its Relevance to Delirium  
(Dr. Neil Resnick, University of Pittsburgh)
- 8:30 – 8:50 Large Group Discussion: Sleeping, Voiding Dysfunction and Delirium Interface
- 8:50 – 9:00 Introduction to Discussion Groups

***DAY 2: Monday, February 10***

**Breakfast Available at 7AM**

- 7:00AM – 8:00 Trainee/Junior Faculty Individual Breakfast Meetings with Senior Faculty
- 8:05 – 8:15 Remarks – the Growth of Delirium Research  
(Dr. Molly Wagster, National Institute on Aging)

**Session 2: Psychoneuroimmunology and Delirium (moderators: J. Silverstein and M. Wagster)**

- 8:15 – 8:40 Stress and medical/surgical illness and Sickness Syndrome  
(Dr. Jeffrey Silverstein, Mount Sinai)
- 8:40 – 9:05 Inflammatory mediators in delirium: Where the neural circuitry of sickness syndrome and dementia meet  
(Dr. Colm Cunningham, Trinity College Dublin, Ireland)

- 9:05 – 9:30 Blood Brain Barrier  
(Dr. Christopher Hughes, Vanderbilt University)
- 9:30 – 10:00 Break
- 10:00 – 10:25 Resilience – implications for delirium onset and recovery  
(Dr. Dilip Jeste, University of California, San Diego)
- 10:25 – 10:50 Manipulation/management of peri-illness stress (inflammation)  
(Dr. Laura Dugan, University of California, San Diego)
- 10:50 – 11:50 Small Group Discussion (Sessions 1 and 2)
- 11:50 – 1:00 Lunch and Break

**Session 3: Delirium and Dementia (moderator W. Hung)**

- 1:00 – 1:25 Delirium, Apo-E status, and AD CSF biomarkers  
(Dr. Zhongcong Xie, Harvard University; Massachusetts General Hospital)
- 1:25 – 1:50 Delirium and Neuroimaging: Structural, functional, amyloid  
(Dr. Ramona Hopkins, Brigham Young University)
- 1:50 – 2:15 Delirium and long-term cognitive impairment in ICU survivors  
(Dr. E. Wesley Ely, Vanderbilt University)
- 2:15 – 2:40 Post-delirium brain pathology – the same or different from AD?  
(Dr. Daniel Davis, University of Cambridge, UK)
- 2:40 – 3:00 Large Group Discussion – is delirium just AD or something different?  
(Session 3 speakers and audience)
- 3:00 – 3:30 Break

**Session 4: Delirium in Vulnerable Older Adults (moderator M. Boustani)**

- 3:30 – 3:55 Delirium, Multimorbidity and Frailty: epidemiological links  
(Dr. Thomas Robinson, University of Colorado Denver)
- 3:55 – 4:20 Delirium and Frailty: mechanistic links  
(Dr. Jeremy Walston, Johns Hopkins University)
- 4:20 – 5:20 Small Group Discussion: Sessions 3 and 4
- 5:20 – 6:00 Break
- 6:00 – 7:00 Dinner

**Session 4 (contd): Anesthesia and Vulnerability (moderator M. Boustani)**

- 7:00 – 7:25 EEG findings after anesthesia and stress: implications for delirium  
(Dr. Emery Brown, Harvard University; MIT; Massachusetts General Hospital)
- 7:25 – 7:50 Manipulation/management of perioperative stress (anesthesia)  
(Dr. Stacie Deiner, Mount Sinai)

- 7:50 – 8:15 Perioperative delirium intervention studies  
(Dr. Frederick Sieber, Johns Hopkins University)
- 8:15 – 8:45 Large Group Discussion: Delirium, Anesthesia, and Surgery

***DAY 3: Tuesday, February 11***

**Breakfast Available at 7AM**

7:00AM – 8:00 Writing Group Meeting (meet in Glen Echo)

**Session 5: Delirium Interventional Research: Challenges and the Way Forward (moderators: E. Marcantonio and B. Eldadah)**

- 8:20 – 8:45 Innovative approaches to delirium measurement  
(Dr. Richard Jones, Brown University)
- 8:45 – 9:10 Quality control mechanisms for delirium studies  
(Dr. Hochang Benjamin Lee, Yale University)
- 9:10 – 9:35 What are appropriate endpoints for delirium treatment studies?  
(Dr. Pratik Pandharipande, Vanderbilt University)
- 9:35 – 9:50 Break
- 9:50 – 10:15 Designing new pleiotropic, multifactorial interventions for delirium  
(Dr. Sharon Inouye, Harvard University; Beth Israel Deaconess Medical Center; Hebrew SeniorLife)
- 10:15 – 10:40 Designing interventions for delirium superimposed on dementia  
(Dr. Donna Fick, Penn State University)
- 10:40 – 11:05 Developing collaborative networks for delirium research: lessons learned from Hospital Medicine  
(Dr. Andrew Auerbach, University of California, San Francisco)
- 11:05 – 11:30 The challenge of T2 translation  
(Dr. Malaz Boustani, Indiana University)
- 11:30 – 12:30 Small Group Discussion: Sessions 4 and 5
- 12:30 – 1:15 Lunch and Break

**Session 6: Putting It All Together (moderators: G. Kuchel, J. Silverstein, and E. Marcantonio)**

- 1:15 – 1:40 AGS/SEGUE Delirium Guidelines Panel – collaboration with U13 conference  
(Drs. Sharon Inouye, Harvard University; Beth Israel Deaconess Medical Center; Hebrew SeniorLife and Thomas Robinson, University of Colorado Denver)
- 1:40 – 2:00 Conclusions, Developing a Conference Summary Statement
- 2:00 – 2:15 Evaluations

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