#### **U13 AGS/NIA Bedside-to-Bench Series in Geriatrics**

## Urinary Incontinence in the Elderly: A Translational Research Agenda for a Complex Geriatric Syndrome

Supported by National Institute on Aging and American Geriatrics Society Additional support provided by unrestricted educational grants from Allergan, Astellas, and Medtronic

# History of Conference Series

Grant	PI	Year Topic	
AG022361	Fried	2004	Frailty
		2005	Comorbid Disease and Multi-morbidity
		2006	Mental/Physical Activity and Cognition
AG028230	Studenski	2007	Thinking Moving Feeling
		2008	Idiopathic Fatigue and Aging
		2009	Inflammation and Nutrient Metabolism

# "Revival" of the Series

PI	Co-Chairs	Year	Торіс
George Kuchel	Edward Marcantonio	2014	Delirium in Older Adults
	Jeffrey Silverstein		
	Michael Vitiello	2015	Sleep, Circadian Rhythms, and Aging
	Robert Schwartz		
	Kathryn Burgio	2016	Urinary Incontinence in the Elderly
	George Kuchell		

- AGS Research Committee
- NIA Staff

## Reports from Delirium and Sleep Conferences

#### SPECIAL ARTICLES

The American Geriatrics Society/National Institute on Aging Bedside-to-Bench Conference: Research Agenda on Delirium in Older Adults

AGS/NIA Delirium Conference Writing Group, Planning Committee and Faculty

J Am Geriatr Soc 2015.

Key words: delirium; Geriatric syndromes; cognition; measurement; pathophysiology; interventions

The American Geriatrics Society, with support from the Stational Institute on Aging and the John A. Hardord Foundation, held its seventh Bedside-to-Bench mesearch conference, entitled "Delivium in Older Adults: Finding Order in the Disorder" on February 9–11, 2014, to provide participants with opportunities to learn about cattingedge research involving translational efforts, and opportunities to network with colleagues and leaders in the field. This meeting was the first of three conferences that will address delirium, sleep disorders, and voiding difficulties and using incontinence, emphasizing, whenever possible, the relationships and potentially shared clinical and pathophysiological features between these common geriatric syndromes (Figure 1).

#### BACKGROUND

Delirium can be thought of as acute brain failure that occuss when stressors exceed the brain's homeostatic reserve (Figure 2). Celus initially described delirium in the 1st centry CE (c. 47 CE, Aulus Comelius Celsus, De Medicina, 2.7.28), but little in the way of progress was made until the carly 1980s, when delirium first appeared in the

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Diagnostic and Statistical Manual of Mental Disorders, Third Edition (DSM III). The most current definition of delirium was recently published 5th edition of the DSM and includes a disturban - aware ness; a change in cognition that by a preexisting, established, o disturbance develops over a sl tuate during the course of the that a direct physiological co condition, an intoxicating more than one etiology car definition can be difficult certain settings. Although diagnostic approach mo Assessment Method (C/ which trained physician personnel can apply;<sup>2</sup> um evaluation has ex forms are now in use b-CAM for "brief" CAM intensive car CAM-ICU for inte phenotypes have b variants of hypers lucinations or de ness. The incide upon the popul 15% after son in ICU popula of poor of decline, lor long-term m articles in standard increased from fewer than 50 than 350 per year in 2012, highlighting differentiate delirium from other cognitive disorder impetus for developing novel treatment strategies.

DELIRIUM: INTERFACE WITH OTHER GERIATRIC SYNDROMES

The relationships between delirium and other geriatric syndromes such as sleep disorders, voiding dysfunction, and Report and Research Agenda of the American Geriatrics Society and National Institute on Aging Bedsideto-Bench Conference on Sleep, Circadian Rhythms, and Aging: New Avenues for Improving Brain Health, Physical Health, and Functioning

Constance H. Fung, MD, MSHS, Michael V. Vitiello, PhD, Cathy A. Alessi, MD, George A. Kuchel, MD, and the AGS/NIA Sleep Conference Planning Committee and Faculty JAGS (In Press)

## "Revival" of the Series

- Better integration of the three topics
- Emphasizing bidirectional relationships, shared risks and mechanisms
- Gaps and future research priorities
- Agenda promotes
  - Large group discussion
  - Small group engagement for consensus building
  - Networking
  - Mentoring
- Outcomes
  - Innovative, cross-cutting ideas
  - New and renewed relationships
  - Report and research agenda for urinary incontinence in the elderly

# **Thank You**

### **Planning Committee:**



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# **Thank You**

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# **Thank You**

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- **U13 Oversight Board:** Seth Landefeld, Mary Palmer, Linda Saunders, Sandra Moody, and Heather Allore
- **AGS Staff:** Anna Mikhailovich, Alanna Goldstein, Elisha Medina-Gallagher, Nancy Lundebjerg, and many others
- Julie Robison, PhD: Director, UConn Center on Aging Evaluation Research Core
- Derek Griffiths, PhD and Tomas Griebling, MD, MPH: Going the extra mile and participating long distance