

## BIOGRAPHICAL SKETCH

NAME <p style="text-align: center;">Susan Lisa Mitchell</p>	POSITION TITLE		
eRA COMMONS USER NAME smitchell	ASSOCIATE PROFESSOR OF MEDICINE		
<b>EDUCATION</b>			
INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
McGill University, Montreal	BSc	1984	Physiology (2/3 yrs)
University of Ottawa, Ottawa	MD	1988	Medicine
Harvard University, Boston, MA	MPH	1996	Clinical epidemiology

### A. Positions and Honors.

#### **Positions and Employment**

1997-2000 Assistant Professor of Medicine, University of Ottawa  
 1997-2000 Associate Investigator, Clinical Epidemiology Unit, Loeb Institute, Ottawa Civic Hospital  
 2000-2001 Instructor, Harvard Medical School  
 2000- Associate Director, Fellowship in Geriatric Medicine, Harvard Medical School  
 2001- Associate Scientist, Hebrew Senior Life, Institute for Aging Research  
 2001-2005 Assistant Professor of Medicine, Harvard Medical School  
 2005- Associate Professor of Medicine, Harvard Medical School  
 2005- Senior Scientist, Hebrew Senior Life, Institute for Aging Research

#### **Other Experience and Professional Memberships**

1988-89 Comprehensive Internship, Ottawa Civic Hospital  
 1989-91 Residency Internal Medicine, Ottawa Civic and General Hospitals  
 1992-95 Fellowship in Geriatric Medicine, Harvard Medical School  
 1994-1997 Staff Geriatrician, Hebrew Rehabilitation Center for Aged, Boston  
 1997-2000 Staff, Ottawa Hospital, Ottawa  
 2000- Staff Geriatrician, Hebrew Rehabilitation Center, Boston  
 2000- Staff, Beth Israel Deaconess Medical Center, Boston

#### **Honors**

1982-1984 McConnell Scholarship, McGill University  
 1982-1984 Women Associates Scholarship for Science, McGill University  
 1995-1997 Charles A. King Trust Fellowship, The Medical Foundation  
 1998-2000 Ontario Ministry of Health, Career Scientist Award  
 2001-2004 NIH-NIA K23 Mentored Clinical Scientist Award  
 2003 American Geriatrics Society: Best Paper in Biological Sciences  
 2006 American Geriatrics Society: Best Paper in Health Services Research

### B. Selected peer-reviewed publications.

1. Mitchell SL, Collins JJ, Deluca CJ, Burrows A, Lipsitz LA. Open-loop and closed-loop postural control mechanisms in Parkinson's Disease: Increase Mediolateral Activity during quiet standing. *Neuroscience Letters* 1995;197:133-136.
2. Mitchell SL, Kiely DK, Kiel DP, Lipsitz LA. The epidemiology, clinical characteristics and natural history of Parkinson's Disease in the nursing home. *J Am Geriatr Soc* 1996;44:394-399.
3. Mitchell SL, Kiely DK, Lipsitz LA. The risk factors and impact on survival of feeding tubes in nursing home residents with severely advanced dementia. *Arch Int Med* 1997;157:327-332.
4. Mitchell SL, Sullivan EA, Lipsitz LA. The exclusion of elderly subjects from clinical trials for Parkinson's Disease. *Arch Neurol* 1997;54:1393-98.
5. Mitchell SL, Kiely DK, Lipsitz LA. Does artificial enteral nutrition prolong the survival of institutionalized elders with chewing and swallowing problems? *J Gerontol: Med Sci* 1998;53A(3):M207-213.
6. Mitchell SL. Extrapyramidal signs in Alzheimer's Disease: A review. *Age Ageing* 1999;28:401-409.
7. Mitchell SL, Lawson FME. Decision-making for long-term tube-feeding in the cognitively impaired elderly. *CMAJ* 1999;160:1705-1710
8. Mitchell SL, Lawson FME, Berkowitz RA, Lipsitz LA. A cross national survey of decision for long-term tube-feeding in older persons. *J Am Geriatrics Soc* 2000;48:391-397.
9. Mitchell SL, Rockwood K. The association between parkinsonism, Alzheimer's Disease, and mortality: A comprehensive approach. *J Am Geriatric Soc* 2000;48:422-425.
10. Mitchell SL, Harper D, Lau A, Bhalla R. Trends in outcome measurement in Parkinson's Disease clinical trials. *Neuroepidemiol* 2000;19:100-108.

11. Mitchell SL, Tetroe JM. Survival after percutaneous endoscopic gastrostomy placement. *J Gerontol:Med Sci* 2000;55A:M735-739
12. Mitchell SL, Rockwood K. Defining Parkinsonism from the Canadian Study of Health and Aging. *International Psychogeriatrics* 2001;13(S1):107-113.
13. Mitchell SL, Kiely DK. A cross national study of tube-feeding: the impact of contrasting health care systems. *J Amer Med Dir Assoc.* 2001;2:10-14.
14. Mitchell SL, Rockwood K. The association between anti-ulcer medications and cobalamin replacement in the elderly. *J Clin Epi* 2001;54:531-534.
15. Mitchell SL, Tetroe J, O'Connor AM. A decision aid for long-term tube-feeding in cognitively impaired older persons. *J Am Ger Soc* 2001;49:313-316.
16. Kiely DK, Mitchell SL, Marlow A, Murphy KM, Morris JN. Ethnic Differences in advance directives in nursing home residents: a multi-state comparison. *J Am Geriatr Soc* 2001;49:1346-1352.
17. Mitchell SL Financial incentives to place feeding tubes in nursing home residents with advanced dementia. *J Am Geriatr Soc* 2003;51:75-79.
18. Mitchell SL, Kiely DK, Gillick MR. Nursing home characteristics associated with tube-feeding in advanced cognitive impairment. *J Am Geriatr Soc.* 2003;51:75-79.
19. Mitchell SL, Buchanan J, Littlehale S, Hamel MB. Tube-Feeding versus hand-feeding nursing home residents with advanced dementia: a cost comparison. *J Amer Med Dir Assoc.* 2003;4:27-33.
20. Mitchell SL, Teno JM, Roy J, Kabumoto G, Mor V. A national study of the clinical and organizational determinants of tube-feeding among nursing home residents with advanced cognitive impairment. *JAMA.* 2003;290:73-80.
21. Mitchell SL, Kiely DK, Hamel MB. Dying with advanced dementia in the nursing home. *Arch Int Med.* 2004;164:321-326.
22. Gillick MR, Mitchell SL. A framework for reforming Medicare. *J Aging Soc Policy.* 2004 Vol. 16 No. 3.
23. Mitchell SL, Kiely DK, Hamel MB, Park PS, Morris JN, Fries BE. Estimating prognosis for nursing home residents with advanced dementia. *JAMA* 2004;291:2734-2740.
24. Mitchell SL, Morris JN, Park PS, Fries BE. Terminal care for persons with advanced dementia in the nursing home and home care settings. *J Pall Med* 2004;7:808-816.
25. Mitchell SL, Teno JM, Miller SC, Mor V. A national study of the location of death for older persons with dementia. *J Am Geriatr Soc* 2005;53:299-305.
26. Lamberg JL, Person CJ, Kiely DK, Mitchell SL, Decisions to hospitalize nursing home residents dying with advanced dementia. *J Am Geriatr Soc* 2005;53:1396-400.
27. Chen J, Lamberg JL, Chen Y, Kiely DK, Page JH, Person CJ, Mitchell SL, Occurrence and treatment of suspected pneumonia in long-term care residents dying with advanced dementia. *J Am Geriatr Soc* 2006;54:290-295.
28. Mitchell SL, Kiely DK, Jones RN, Prigerson H, Volicer L, Teno JM. Advanced Dementia Research in the Nursing Home: The CASCADE Study. *Alz Dis Assoc Disord*, 2006;20:166-175
29. Kiely DK, Volicer L, Teno JM, Jones RN, Prigerson HG, Mitchell SL. The validity and reliability of scales for the evaluation of end-of-life care in advanced dementia *Alz Dis Assoc Disord* 2006;20:176-186.
30. Engel S, Kiely DK, Mitchell SL Satisfaction with end-of-life care for nursing home residents with advanced dementia. *J Amer Geriatr Soc* 2006;54:1567-72
31. Chen, J, Chan D, Kiely DK, Morris JN, Mitchell SL Terminal Trajectories of Functional Decline in the Long-term Care Setting. *J. Gerontol* 2007;62:531-536.
32. Mitchell SL, Teno JM, Intrator O, Feng Z, Mor V. Decisions to Forego Hospitalization in Advanced Dementia: A Nationwide Study. *J Amer Geriatr Soc* 2007;55:432-38.
33. Mitchell SL, Kiely DK, Miller SC, Connor SR, Spence C, Teno JM. Hospice Care for Patients with Dementia. *J Pain Symp Manage* 2007;34:7-16.
34. van der Steen JT, Mitchell SL, Frijters DHM, Kruse RL, Ribbe MW. Prediction of six-month mortality in nursing home residents with advanced dementia: validity of a risk score. *J Amer Med Dir Assoc.* 2007;8:464-468.
35. Mitchell SL. Clinical Crossroads: A 93-Year Old Man with Advanced Dementia and Eating Problems *JAMA* 2007;298:2527-2536.
36. Zhang B, Mitchell SL, Bambauer KZ, Jones RN, Prigerson HG, Depressive symptom trajectories and associated risks among bereaved Alzheimer's disease caregivers. *Am J Geriatr Psych* 2008;16:145-155.
37. D'Agata E, Mitchell SL. Antimicrobial utilization patterns among nursing home residents with advanced dementia. *Arch Int Med* 2008;168:357-362.
38. Miller SC, Kiely DK, Teno JM, Connor SR, Mitchell SL. Hospice Care for Patients with Dementia: Does Volume Make a Difference? *J Pain Symp Manage* 2008;35:283-291.

39. Kiely DK, Prigerson HG, Mitchell SL. Health care proxy grief symptoms prior to the death of nursing home residents with advanced dementia. *Am J Geriatr Psychiatry* 2008;16:674-685.
40. Pop-Vicas A, Mitchell SL, Kandel R, Schreiber R, D'Agata EMC. Multidrug-resistant gram-negative bacteria among long-term care residents: prevalence and risk factors. *J Am Geriatr Soc* 2008;56:1276-80.
41. Wright AA, Zhang B, Ray A, Mack JW, Trice E, Balboni T, Mitchell SL, Jackson VA, Block SD, Maciejewski PK, Prigerson H. Associations between end-of-life discussions, patient mental health, medical care near death, and caregiver bereavement adjustment. *JAMA* 2008;300:1665-1673.
42. Wachterman M, Kiely DK, Mitchell SL. Reporting dementia on the death certificates of nursing home residents dying with end-stage dementia. *JAMA* 2008;300:2608-2610.
43. Givens J, Mitchell SL. Concerns about end-of-life care and support for euthanasia  
*J Pain Sympt Manage* 2008; *In press*
44. Teno JM, Mitchell SL, Skinner J, Fisher E, Intrator O, Rhodes R, Mor V. Churning: The Association between health care transitions and feeding tube insertion for patients with advanced cognitive impairment *J Palliat Med* 2009;12:259-62.
45. Grabowski D, Mitchell SL. Family oversight and the quality of nursing home care for residents with advanced dementia. *Medical Care* 2009;47:568-574
46. Volandes AE, Paasche-Orlow, MK, Barry, MJ, Gillick MJ, Minaker K, Chang, F, Cook EF, Abbo, ED, Jawahri A, Mitchell SL. Video Decision Support Tool for Advance Care Planning in Dementia: A Randomized Controlled Trial *BMJ* 2009 338:b1964
47. Givens JL, Kiely DK, Carey K, Mitchell SL. Health Care Proxies of Nursing Home Residents with Advanced Dementia: Decisions They Confront and Their Satisfaction with Decision-Making 2009 *J Am Geriatr* 2009;57:1149-55.
48. Mitchell SL, Teno JM, Kiely DK, Shaffer ML, Jones JN, Prigerson HG, Volicer L, Givens JL, Hamel MB. The Clinical Course of Advanced Dementia. *N Engl J Med* 2009;361:1529-38
49. Palan-Lopez R, Amelia E, Strumph NE, Teno JM, Mitchell SL. The Influence of Nursing Home Culture on the Use of Feeding Tubes. *Arch Intern Med* 2010;170:83-88.
50. Palecek EJ, Teno JM, Casarett DJ, Hanson LC, Rhodes RL, MD, Mitchell SL. Comfort Feeding Only: A Proposal to Bring Clarity to Decision Making Regarding Difficulty with Eating for Persons with Advanced Dementia. *J Am Geriatr* 2010 *In press*
51. Tjia J, Rothman MR, Kiely DK, Shaffer, ML, Holmes HM. Sachs, GS, Mitchell SL. Daily medication use in nursing home residents. *J Am Geriatr* 2009 *In press*
52. Teno JM, Mitchell SL, Gozalo P, Dosa D, Hsu A, Intrator O, Mor V. Hospital Characteristics Associated with Feeding Tube Placement in Nursing Home Residents with Advanced Cognitive Impairment *JAMA* 2010;303:544-550.
53. Givens JL, Jones JN, Shaffer ML, Kiely DK, Mitchell SL. Survival and Comfort after Treatment of Pneumonia in Nursing Home Patients with Advanced Dementia. *Arch Intern Med*. 2010 *In press*

### **C. Research Support**

#### **Ongoing Research Support**

NIH-NIAR01 AG032982 Mitchell (PI) 08/01/09-07/31/14  
 Title: Determinants, Decision-making and Outcomes of Antibiotic Use in Advanced Dementia  
 Role: Principal Investigator  
 Goal: To examine determinants, decision-making and outcomes antibiotic use in 400 nursing residents with advanced dementia.

NIH-NIA R01 AG032982 Huskamp (PI) 08/01/09-07/31/12  
 Title: Medicare Part D Plan Generosity & Dual Eligible Nursing Home Residents  
 Role: Co-Investigator  
 Goal: To examine the impact of prescription drug plan generosity on the health and well-being of nursing home residents eligible for both Medicare and Medicaid.

NIH-NIA RC1AG036418 Teno (PI) 10/01/09-09/30/11  
 Title: Effectiveness of Tube-Feeding in Persons with Advanced Cognitive Impairment  
 Role: Co-Investigator  
 Goal: To examine the outcomes of tube-feeding in advanced dementia using large national databases

NIH-NIA K24AG033640	Mitchell (PI)	03/01/09-02/28/14
Title: Mid-Career Investigator Award for Patient Oriented Research in Aging		
Role: Principal Investigator		
Goal: Supports Dr. Mitchell's mentoring activities and research program		
NIH-NIA R01 AG028423	Mitchell (PI)	9/01/06-6/31/10
Title: The ADEPT study: Estimating Prognosis in Advanced Dementia		
Role: Principal Investigator		
Goal: To develop a prognostic tool for persons in advanced dementia using nationwide Minimum Data Set data and prospectively validated at the bedside of 400 nursing home residents.		
National Alzheimer's Association IIRG-08-91343,	Miller (PI)	8/1/08-7/31/10
Title: End-of-Life Care and Hospice: Older Adults with Dementia in Nursing Homes.		
Role: Consultant		
Goal: To examine national population-based data on hospice use among nursing home dementia decedents and end-of-care for patients in Medicare skilled nursing facilities.		
NIH-NIA R01 NR009826-01A1	Hanson (PI)	11/01/06-10/31/10
Title: Improving Decision-Making About Feeding Options for Dementia Patients	Hanson (PI)	
Role: Consultant		
Goals: A randomized controlled trial of a tube-feeding decision aid for families of dementia patients		
<b><u>Completed Research Support</u></b>		
NIH-NIA R01 AG024091	Mitchell (PI)	10/01/04-7/31/09
Title: CASCADE: Choices, Attitudes, Strategies for Advanced Dementia at the End-of-Life		
Role: Principal Investigator		
NIH-NIA R01 AG024265	Teno (PI)	6/15/05-5/31/09
Title: Feeding Tube Use Among Persons with Advanced Dementia		
Role: Co-Investigator		
National Alzheimer's Association IIRG-05-13412	Mitchell (PI)	11/01/05-10/31/07
Title: Improving Hospice Care in Advanced Dementia		
Role: Principal Investigator		
NIH-NIA P50 AG05134	Lipsitz (PI)	04/01/05-03/31/06
Title: Alzheimer's Disease Research Center		
Role: Co-investigator; Project Leader, Education and Information Transfer Core		
NIH Older American Independence Center 5 P60 AG08812-12	Lipsitz (PI)	07/01/02-06/30/03
Title of Pilot Study: The Quality of End-of-Life Care in Advanced Dementia		
Role: Principal Investigator on pilot study supported by the OAIC.		
Vistacare Hospice Foundation	Mitchell (PI)	03/01/03-02/28/04
This grant has been used to support The CASCADE pilot study.		
Role: Principal Investigator		
NIH-NIA K23AG20054	Mitchell (PI)	9/01/01-08/31/04
Mentored Clinical Scientist Award		
Title: Tube-feeding in the Elderly: Decision-Making and Outcomes		
Role: Mentored Career award		
Health Services Research Administration Educational Grant 6D01 HP00002	Fabiny (PI)	07/01/02-06/30/05

Role: Supported Dr. Mitchell's role as Associate Geriatric Medicine Fellowship Director at Harvard.