

CURRICULUM VITAE

Tatjana Bulat, MD, CMD

Birth Date: November 3, 1962

Citizenship: USA

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EMPLOYMENT

10/08-present	<i>Director</i> , Patient Safety Center of Inquiry, James A. Haley VA Hospital
7/07-9/08	<i>Associate Director</i> , Patient Safety Center of Inquiry, JAH VA Hospital
7/06-present	<i>Co-Director, Interprofessional Fellowship in Patient Safety</i> , Patient Safety Center of Inquiry and JAH VA Hospital
7/01-present	<i>Medical Director; Falls Clinical Team</i> , VISN 8 Patient Safety Center of Inquiry, James A. Haley VA Hospital, Tampa, FL [This team sees patients at high risk for falls, develops clinical tools for fall prevention and management, and exports best practices throughout VISN 8. The team was established as part of the VISN 8 Patient Safety Center of Inquiry.]
8/98-7/01	<i>Attending Physician, Nursing Home Care Unit, Long-term Care and Dementia Units as well as Geriatric Medical Clinic</i> , James A. Haley VA Hospital, Tampa, FL
3/96-8/98	<i>Chief, Geriatrics Evaluation & Management Unit</i> , Bronx Veterans Affairs Medical Center, Bronx, NY
12/95-8/98	<i>Chief Physician, Home Based Home Care and Attending Physician, Geriatric Medical Clinic; Geriatric Fellowship Program Site Coordinator</i> (9/94 – 8/98) Bronx Veterans Affairs Medical Center, Bronx, NY
9/94-2/96	<i>Attending Geriatrician, Nursing Home Care Unit</i> , Bronx Veterans Affairs Medical Center, Bronx, NY

ACADEMIC APPOINTMENTS

8/08-present	<i>Associate Professor</i> , Department of Internal Medicine, Division of Geriatrics, University of South Florida College of Medicine, Tampa, FL
8/98-8/08	<i>Assistant Professor</i> , Department of Internal Medicine, Division of Geriatrics, University of South Florida College of Medicine, Tampa, FL
1995-8/98	<i>Assistant Professor</i> , Department of Geriatrics and Adult Development, Mount Sinai School of Medicine, New York, NY
1993-1995	<i>Associate</i> , Department of Geriatrics and Adult Development, Mount Sinai School of Medicine, New York, NY

EDUCATION/MEDICAL TRAINING

1999	Certified Medical Director (CMD) by the American Medical Directors Association, re-certified in 2005
1994-present	Certificate of added qualifications in Geriatrics, re-certified in 2004
1992 – 1994	Fellowship in Geriatrics and Adult Development at Mount Sinai Medical Center, New York, NY
1992-present	Diplomat of American Board of Internal Medicine, re-certified in 2002
1991 – 1992	Resident in Internal Medicine at Lenox Hill Hospital, New York, NY
1989 – 1991	Resident in Internal Medicine at Nassau County Medical Center, East Meadow, NY
1989	Foreign Medical Graduate Examination in Medical Sciences
1987 – 1988	Rotating Clinical Internship, KBC Rebro, Zagreb, Croatia.
1981 – 1987	Medical School, University of Zagreb, Zagreb, Croatia (graduated Summa Cum Laude, top 2% of the class).

SUPPLEMENTAL RESEARCH TRAINING

2006	24 th Annual VHA HSR&D conference, Washington, DC
2005	23 rd Annual VHA HSR&D conference, Washington, DC
2004	22 nd Annual VHA HSR&D conference, Washington, DC
2003	21 st Annual VHA HSR&D Conference, Washington, DC
2002	20 th Annual VHA HSR&D Conference, Washington, DC.
2001	DVA Epidemiology Summer Session, Durham Epidemiologic and Research Center (ERIC).
2001	Clinical Research Methods Course, VA Cooperative Studies Program, Hines VA Medical Center, Chicago, IL

RESEARCH

Vibrotactile Tilt Belt and Gait/Balance Outcomes in Veterans at Risk for Falls: A Pilot Study
Principal Investigator, funded by Draper Labs., Inc. (\$28,000) in progress

Characterizing Wheelchair-Related Falls in Elderly Veterans. Funded by RR&D, (\$800,000)
Co-Investigator (PI A. Nelson), in progress

Proposal for Development of EBM-CDSS (Evidence-Based Clinical Decision Support System) to aid Prognostication in Terminally Ill Patients. Funded by DoD (\$250,000), Co-Investigator (PI Djulbegovic), in progress

Pilot Study: Gait and Balance Patterns among Polytrauma Soldiers with known Traumatic Brain Injuries (TBI): Descriptive analysis. Funded by VHA RR&D, Co-Investigator (PI P. Quigley, \$20,000)

Exercise intervention to improve outcomes in osteoarthritis – funded by VHA RR&D, Principal Investigator (\$95,000)

Slip and Trip Assessment and Training in Older Veterans At-Risk for Falls: A Pilot Study.
Funded by VA RR&D, co-Investigator, (PI-Schulz), in progress

Veterans' Functional Balance Outcomes: 2001-2004. funded by PSCI, co-investigator (PI P. Quigley)

Predicting serious injurious falls in nursing homes. funded by VA HSR&D, co-investigator, (PI-Powell-Cope, \$211,500)

Effect of age, gender and step length on biomechanics of stepping, funded by VA RR&D, co-investigator (PI-B. Schulz, \$154,950)

Longitudinal study of aging with disability, approved but not funded by VHA HSR&D, Principal Investigator

Prescriber volume, adverse events and costs of benzodiazepine use-approved but not funded by VHA HSR&D, co-investigator (PI-D. French)

Effect of type of exercise on gait and balance in peripheral neuropathy-funded by VHA RR&D, co-investigator (PI-P. Quigley, \$607,000)

Hip protector toolkit to improve prescribing behavior and patient use-approved but not funded by VHA HSR&D; Principal Investigator (co-PI M. Zbogar)

VISN/HSR&D implementation collaborative: Innovations to implement evidence-based clinical practice- A hip protector program to increase use in primary care- Principal Investigator, funded by VHA HSR&D, (\$50,000).

Evaluation of Adherence with External Hip Protectors for Hip Fracture Prevention in Cognitively Impaired Elderly. Principal Investigator. Approved but not funded by VHA RR&D,

Development of a screening tool for fall-related injuries. Co-investigator, (PI G. Powell-Cope), approved, not funded by HSR&D

Hip protector durability Phase I- PI, funded by Va National Center for Patient Safety.

Hip protector durability Phase II- PI, funded by PSCI/VA National Center for Patient Safety (\$138,000)

Barriers and facilitators to hip protector use – funded by PSCI, PI

Breakthrough Series on Patient Falls. Consultant and Content Expert. This translational research project applied the IHI Model in assisting 40 VAMCs in implementing evidence-based practice for fall prevention and management. 2001-2003.

Determine Clinical Effectiveness of a Fall-Detection System in Acute and Long Term Care; A Pilot Study. Co-Investigator (PI: P. Quigley), approved but not funded

Medication management algorithm for elderly at risk for falls- PI, funded by PSCI

Design of an assistive product for maximizing bed safety- co-investigator; (PI: P. Malassigne), funded by VA RR&D in 2004, \$167,000

Effects of Growth Hormone and Testosterone Supplementation in the Elderly and Patients with Spinal Cord Injury. Co-Investigator; PI: P. Tsitouras, not funded 9/94-12/97.

Hormonal and Inflammation Markers in Hypertension, Vascular Dementia and Alzheimer's Disease. Co-Investigator,(PI: G. Gold) \$ 75,000

RESEARCH IMPLEMENTATION

Patient Safety Center of Inquiry projects 2001-present

- *Social Marketing to Support Fall Prevention in Inpatient Psychiatry Units*
- *Fall Prevention Program Customized for Inpatient Psychiatry*
- *Unit Peer Leader Program for Falls in Psychiatry Units*
- *Medication Algorithm for Fall Risk in Outpatient Geropsychiatry*
- *Customization of Hip protectors/floor mats/low beds in psychiatric settings*
- *Safe Patient Handoffs for Patients at Risk for Falls in Psychiatry*
- *Annual Evidence-Based Conference on Injurious Falls and Hazardous Wandering 2001-2010*
- *Lab Testing of Wandering Technologies (for tracking and monitoring)*
- *Staff Educational Toolkit on Wandering for Community Living Centers*
- *VISN 8 Rollout of Safe Return Project for Wanderers*
- *SPH Equipment Redesign for Safe Use on Psychiatry Units*
- *Hip Protector Toolkit*
- *Technology Resource Guide: Bedside Floor Mats*
- *Guidelines for Selection and Use of Bedside Floor Mats*
- *Patient Education Video, "Osteoporosis in Men"*
- *Patient Education Brochure, "Anticoagulation: Preventing Injurious Falls"*
- *Web-based Technology Resource Guide for Low Beds Multifaceted Program to Reduce Risk for Fall Injury in Acute Care*
- *Lab Testing of Wandering Technologies*
- *Fall Resource Nurses for Improving Safety and Quality of Care in CLCs*

- *Fall Prevention Amputee Education Tool*
- *Medication management algorithms to reduce fall risk in the elderly*
- *VA National Falls Toolkit-* participated in development in collaboration with VA National Center for Patient Safety, Ann Arbor, MI -2002- 2004

PUBLICATIONS

- Quigley P, Pitman E, **Bulat T**. Hip protector use in residential care settings. *Geriatric Nursing*-in print
- Quigley, PA, Campbell RR, **Bulat T**, et al. Prevalence and cost of serious fall-related injuries in nursing homes. *Clinical Nursing Research*. [Epub ahead of print 7/25/11] PMID: 21788448.
- Monaghan H, **Bulat T**. Platform beds and safe patient handling in inpatient psychiatric units: design recommendations and potential solutions. *American Journal of Safe Patient Handling and Movement*;1(3):23-28.
- Quigley P, **Bulat T**, et al. Fall prevention and injury protection in nursing homes. *JAMDA* 2010;11(4):284-93.
- Applegarth, S. P., **Bulat T**, Fitzgerald, S., Ahmed, S., & Quigley, P. Durability and residual moisture effects on the mechanical properties of external hip protectors. *Gerontechnology* 2009;8(1) 26-34.
- Bulat T**, Applegarth S, Quigley P, Shabaz A, Fitzgerald S. The effect of multiple impacts on hip protector force attenuation properties. *Clinical Interventions in Aging* 2008;3(3) 567-571.
- T. Bulat**, S. Castle, M. Rutledge, P Quigley. Clinical Practice Algorithms: Medication Management to Reduce Fall Risk in the Elderly-Part IV- Anticoagulants, Anticonvulsants, Anticholinergics/bladder relaxants and Antipsychotics. *JAANP* 2008;20(3):181-190.
- T. Bulat**, S. Castle, M. Rutledge, P Quigley. Clinical Practice Algorithms: Medication Management to Reduce Fall Risk in the Elderly-Part III- Benzodiazepines, Cardiovascular Agents, and Antidepressants. *JAANP* 2008;20(2):55-62
- T. Bulat**, S. Castle, M. Ruthedge, R. Marasco, P Quigley. Clinical Practice Algorithms: Medication Management to Reduce Fall Risk in Elderly –Part II-Summary algorithm. *JAANP* 2007;19:1-3.
- French DD, Werner DC, Campbell RR, Powell-Cope GM, Nelson AL, Rubenstein LZ, **Bulat T**, Spehar AM. A Multivariate Fall Risk Assessment Model for VHA Nursing Homes Using the Minimum Data Set. *Journal of the American Medical Directors Association* 8(2):115-22, 2007 Feb.
- Bulat T**, Hart-Hughes S, Quigley P, Werner D, Foulis P. Effect of a group-based exercise program on balance in elderly at risk for falls. *Clinical Interventions in Aging* 2007 2(1);1-6
- Quigley P, Hart-Hughes S and **Bulat T**. Strategies To Reduce The Risk Of Fall-Related Injuries in Rehabilitation Nursing. *J Rehab Nurs* 2007 May/June;32(3);120-125
- Nelson A, **Bulat T**. Patient Safety in elderly, in *Encyclopedia on Health and Aging*. (in press)

- French D, Means H, Campbell R, Spehar A and **Bulat T**. A medication surveillance system model to improve patient safety: A national veterans study of cox-2 inhibitors and risk of stroke and MI. *Journal of Patient Safety* 2006;2(2):78-82.
- French D, Campbell R, Spehar A, Cunningham F, **Bulat T** and Luther S. Drugs and falls in community dwelling older people: A national veterans study. *Clinical Therapeutics* 2006;28(4):619-30.
- French D, Means H, Campbell R, Spehar A and **Bulat T**. Effect of concomitant use of benzodiazepines and other drugs on the risk of injury in a veterans population. *Drug Safety* 2005;28(12):1141-50.
- Bulat T**, Powell-Cope G, Nelson A. and Rubenstein L. Barriers and facilitators to use of external hip protectors. *Gerontechnology*. 2004;3(1):5-15.
- Hart-Hughes S, **Bulat T**, Quigley P, Palacios P, Scott, S. An interdisciplinary approach to reducing fall risk and falls. *Journal of Rehabilitation* 2004; 70(4):46-51.
- Bass E, Campbell RR, Werner D, Nelson A and **Bulat T**. Inpatient Mortality Trends for Hip Fractures in the VHA. *J Nursing Rehab* 2004;29:215-220.
- Nelson A. Powell-Cope G. Gavin-Dreschnack D. Quigley P. **Bulat T**, Baptiste AS. Applegarth S. Friedman Y. Technology to promote safe mobility in the elderly. *Nurs Clin N Am Sep* 2004;39(3):649-71.
- Hart-Hughes S, Quigley P, **Bulat T** Friedman Y, Spehar A, Perez-Marrero J. Creating a hospital-wide network to prevent falls. *Federal Practitioner*, June 2004, 57-66.
- Bulat T**, Quigley P. External hip protectors and risk of hip fracture. Letter. *JAMA* . 2003;290:883.
- T. Bulat** & P.Tsitouras. The Aging Male Reproductive System, *Endocrinology and Metabolism Clinics of North America: (24/2): 297-315, 1995.*
- T. Bulat**, M. Kosinski. Diabetic Foot: Strategies to Prevent and Treat Common Problems. *Geriatrics: 50(2): 46-57, 1995.*
- T. Bulat** et al. Basal and Metoclopramide Stimulated Vasopressin Release in Normal Elderly and Patients with Alzheimer's Disease or Vascular Dementia. *JAGS* 42(11):SA80, 1994.
- G. Gold, **T. Bulat**, M. Miller, M. Wiltshire-Clemet, H. Fillit.. Serum Tumor Necrosis Factor Levels in Normal Aging & Dementia. *JAGS* 42(11):SA43, 1994.
- T. Bulat**: Contemporary Treatment of Diabetes Mellitus Type I. *Medicinar* 33(2): 65-74, 1985.

PUBLISHED PROCEEDINGS

- Schulz BW, Gordon MT, Hart-Hughes S, **Bulat T**. Computer-Controlled Leg Press Forces and Muscle Activations: Implications for Training Older Adults. Presented at the Annual meeting of the Gerontological Society of America, November 2011.
- Schulz BW, Hart-Hughes S, **Bulat T**. Age-Related Alterations in Minimum Toe Clearance Adaptations to Floor Surface Irregularity and Gait Speed. Presented at the annual meeting of the American Society of Biomechanics, August 2011.

- Bulat, T.**, Campbell, R. R., & Powell-Cope, G. Temporal Trends in Incidence of Hip Fractures in VA Community Living Centers (CLCs). : Hip Fractures In The Veterans Health Administration (VHA): Lessons From An Integrated National Healthcare System, 11/10, New Orleans, LA.
- Powell-Cope, G., Campbell, R. R., Hahm, B., Joseph, I., **Bulat, T.**, Westphal, J. Predicting Injurious Falls in Nursing Homes Using Socio-Technical Probabilistic Risk Assessment. Symposium: Hip Fractures In The Veterans Health Administration (VHA): Lessons From An Integrated National Healthcare System, 11/10, New Orleans, LA.
- Quigley, P., **Bulat, T.**, Powell-Cope, G., Groer, S., Schulz, B., Besterman-Dahan, K., Ahmed, S., Stylianides, G., & Richardson, J. Effect of Group Exercise on Gait and Balance in Peripheral Neuropathy. 11th Annual Transforming Fall Prevention Practices Conference, 05/10, Clearwater Beach, FL
- Quigley, P., **Bulat, T.**, Powell-Cope, G., Groer, S., Schulz, B., Besterman-Dahan, K., Ahmed, S., Stylianides, G., & Richardson, J. Effect of Group Exercise on Gait and Balance in Peripheral Neuropathy. 1st Annual Rehabilitation Outcomes Conference, Tampa VA Center of Research Excellence, 05/10, Tampa, FL
- Powell-Cope G, Campbell B, Joseph I, **Bulat T** et al. Predicting serious injurious falls in nursing homes. James A Haley VA Hospital Research Day, 4/10, Tampa, FL
- Quigley P, **Bulat T**, et al. Effect of group exercise on gait and balance in peripheral neuropathy. James A Haley VA Hospital Research Day, 4/10, Tampa, FL
- Hart-Hughes S, Quigley P, **Bulat T** et al. Effect of group exercise on gait and balance in peripheral neuropathy. Gait 2010, 2/10, Washington, DC
- Bulat T.** Knee osteoarthritis and fall risk. 2009 Transforming Fall Prevention Practices Conference, 5/09, Clearwater Beach, FL
- Bulat T.** Hip protector toolkit workshop. 2009 Transforming Fall Prevention Practices Conference, 5/09, Clearwater Beach, FL
- Bulat T.** Tampa Patient Safety center of Inquiry. VA National Patient Safety Research Meeting, 5/09, Vienna, VA
- Bulat T.** Barriers and facilitators to hip protector use. American Geriatrics Society Meeting, 5/09, Chicago, IL
- Bulat T** and Hart-Hughes, S. Interdisciplinary Falls risk assessment: Case Studies workshop. 2008 Transforming Fall Prevention Practices Conference, 4/08, Clearwater, FL
- Bulat T** and Applegarth S. Durability and impact properties of hip protectors. 2008 Transforming Fall Prevention Practices Conference, 4/08, Clearwater, FL
- Bulat T** and Powell-Cope G. Practical tips for successful implementation of hip protectors. 2008 Transforming Fall Prevention Practices Conference, 4/08, Clearwater, FL
- Bulat T** and Hart-Hughes, S. Interdisciplinary Falls risk assessment: Case Studies workshop. Presented at the 8th Annual Falls conference, 4/07, Sand Key, FL
- Bulat T** and Applegarth S. Durability and impact properties of hip protectors. 2006 Transforming Fall Prevention Practices Conference, 4/06, Sand Key, FL
- Spehar A, French D, Campbell R, **Bulat T.** Benzodiazepines and injury: A risk adjusted model. Presented at the 24th VA HSR&D conference, Arlington, VA, 2/06

- Bulat T.** Osteoporosis in men. Presented at the 6th annual Falls conference, 3/05, Sand Key, FL.
- Bulat, T.** Barriers to adoption: Consumer perspective. Presented at the Hip Protectors: Efficacy and barriers to Adoption, 6/04, Boston, MA, Boston University School of Public Health
- Bulat T, Hart-Hughes S, Friedman Y.** How to establish a Fall prevention Clinic. Presented at the 5th annual Falls conference, 3/04, Clearwater, FL.
- Friedman, Y., Hart-Hughes, S., Quigley, P., & **Bulat, T.** A functional profile of outpatient veterans at-risk for falls. First Statewide Magnet Nursing Research Conference. 2/04 Tampa, Fl.
- Bulat T, Hart-Hughes S, Quigley P, Friedman Y.** Evidence based falls clinic. Presented at VISN 8 Ambulatory Forum 9/03, Tampa, FL
- T. Bulat, R. Marasco and Y. Friedman.** Interdisciplinary Fall Risk Assessment. Presented at the Fourth Annual Falls Conference, Clearwater, FL, 3/03.
- T. Bulat, et al.** Clinical practice algorithm: Medication management to reduce fall risk in the elderly, Presented at Florida Medical Directors Association Meeting, 10/02, Lake Buena Vista, FL.
- T. Bulat, et al.** Clinical practice algorithm: Medication management to reduce fall risk in the elderly, Third Annual Falls Conference, Clearwater, FL, 3/02.
- T. Bulat, P. Quigley et al.** Evidence Based Falls Program. American Geriatrics Society Meeting in May 2002, Washington, DC
- P. Quigley, **T. Bulat** et al. Strategies to initiate falls clinics. Annual VA Rehabilitation Symposium 2001, Tampa, FL
- P. Quigley, **T. Bulat** et al. : Development and implementation of a model falls clinic. *James A. Haley VA Research Day*, 4/01, Tampa, FL.
- G. Gold, **T. Bulat** et al. Plasma Interleukin-1 Levels in Normal Aging and Dementia. *Annual Meeting of the American Geriatric Society*, 5/95.
- T. Bulat, W. Bauman, P. Tsitouras.** Hypothalamic-Pituitary-Testicular Axis in Chronic Spinal Cord Injured Subjects. Presented at the *American Paraplegia Society Meeting*, Las Vegas, Nevada, 9/95.
- T. Bulat** et al. Basal and Metoclopramide Stimulated Vasopressin Release in Normal Elderly and Patients with Alzheimer's Disease or Vascular Dementia. Presented at the *51st Annual Meeting of the American Geriatrics Society & American Federation for Aging Research*, 5/94.
- G. Gold, **T. Bulat**, M. Miller, M. Wiltshire-Clemet, H. Fillit. Serum Tumor Necrosis Factor Levels in Normal Aging & Dementia. Presented at *1994 Annual Meeting of the American Geriatrics Society and American Federation for Aging Research* 5/94.

HOSPITAL AND ACADEMIC COMMITTEES

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|--------------|---------------------------------|
| 2008-present | VISN 8 GEC Committee |
| 2008-present | VISN 8 Patient Safety Committee |

2008-present	JAH VA Hospital Patient Safety Committee
3/02-present	Institutional Review Board, University of South Florida
2/02-present	Research and Development Committee, James A. Haley VA Hospital
2004-2005	Vice-Chair, Research and Development Committee
2005-2006	Chair, Research and Development Committee
9/01-present	Strategic Planning Committee, VISN 8 Patient Safety Center
2000-present	Organizing committee, Annual Falls conference organized jointly by VISN 8 PSC and USF
2000-2001	VISN 8 Innovative Practices Clearinghouse
1998-2001	JACHO NHCU Workgroup, JAH VA, Tampa
7/01-present	Root Cause Analysis (RCA) team member
1998-2001	State Veterans Homes VA Inspection Team member, JAH VAH
1/97 – 9/97	IOP Working Group.
7/96 – 9/97	JCAHO Long Term Care Task Force Member, Bronx VAMC
5/96 – 8/98	Peer Review Committee Member, Bronx VAMC
9/95 – 8/98	Geriatrics Fellowship Committee Member, Mount Sinai Medical Center, New York, NY
10/94 – 8/98	Quality Improvement Committee for Long Term Care, Bronx VAMC

REVIEWER

- Gerontechnology
- AAMC MedED PORTAL
- Journal of the American Geriatrics Society
- Health Research Board, Republic of Ireland