***CURRICULUM VITAE***

**Malaz A. Boustani, MD,MPH**

mboustan@iu.edu

**EDUCATION**

POSTDOCTORAL

Mt. Sinai Medical Center Internal Medicine 1996 – 1999

Case Western Reserve University, Residency

Cleveland, OH

GRADUATE

University of Damascus, MD 1988 – 1994

Damascus, Syria

University of North Carolina, MPH 2000 – 2002

Chapel Hill, North Carolina

UNDERGRADUATE

University of Damascus, MD 1988 – 1994

Damascus, Syria

**FURTHER EDUCATION**

Regenstrief Institute, Inc., Medical Informatics 2005 – 2006

Indianapolis, IN Fellowship

UNC-CH, School of Medicine Geriatric Medicine 1999 – 2002

Chapel Hill, North Carolina Fellowship

UNC-CH, School of Medicine Clinical Research Curriculum 2000 – 2002

Chapel Hill, North Carolina Fellowship (K30)

**APPOINTMENTS**

Eskenzi Health Director of Senior Care Innovation 2019 – Present

Eskenazi Health Founding Director, 2015 – Present

Sandra Eskenazi Center for Chief Innovation & Implementation Officer

Brain Care Innovation

Indiana University-Purdue University, Adjunct Professor of Bioinformatics 2015 – Present

School of Informatics and Computing

Indiana University School of Medicine, Professor of Medicine 2014 – Present

Division of Internal Medicine and

Geriatrics

Indiana University School of Medicine, Richard M. Fairbanks 2014 – Present

Division of Internal Medicine and Endowed Chair in Aging Research

Geriatrics

Indiana University-Purdue University, Adjunct Professor of Public Health 2014 – Present

Richard M Fairbanks School of Public Health

Indiana University, Founding Director 2012 – Present

Center for Innovation and

Implementation Science

Indiana University, Associate Director 2010 – 2019

Center for Aging Research

Regenstrief Institute, Inc. Research Scientist 2002 – Present

Indiana University Health Chief Innovation and 2013 – 2015

Implementation Officer

Indiana University School of Medicine, Associate Professor 2009 – 2014

Division of Internal Medicine and

Geriatrics

Indiana University School of Medicine Assistant Professor 2002 – 2009

Division of Internal Medicine and

Geriatrics

University of North Carolina-Chapel Hill Clinical Instructor 1999 – 2002

**LICENSURE, CERTIFICATION, SPECIALTY BOARD STATUS**

Indiana Medical License 2002 – Present

Certification in Geriatrics Medicine 2008 – Present

Certification in Internal Medicine 1999 – 2008

**PROFESSIONAL ORGANIZATION MEMBERSHIPS**

Member, American Delirium Society 2010 – Present

Member, American Association for Geriatric Psychiatry 2002 – Present

Member, American Geriatrics Society 1999 – Present

Member, Society of General Internal Medicine 2004 – 2014

**PROFESSIONAL HONORS and AWARDS**

TEACHING

Trustee Teaching Award Indiana University 2017

Recognition of Excellence, Case Western Reserve 1999

Assistant Chief Resident, Department of University

Medicine, Mt. Sinai Medical Center

RESEARCH

Outstanding Scientific Achievement American Geriatrics Society 2012

for Clinical Investigation Award

Research Frontiers’ Trailblazer Award Indiana University – Purdue 2012

University – Indianapolis

Excellence in Health Science Research Indiana Public Health Foundation 2011

Science Research

Best Research Paper Plenary session, 2009

American Geriatrics Society

Outstanding Excellence in Geriatric American Geriatrics Society 2009

Research

Young Investigator Award Department of Medicine, 2008

Indiana University School of Medicine

Honorable Mention Physician St. Vincent Hospitals & Health 2006

Services Research Symposium

Paul B. Beeson Career Development The National Institute on Aging, 2005

Award in Aging Research the John A. Hartford Foundation,

the Atlantic Philanthropies, and

the Starr Foundation

New Investigator Award American Geriatrics Society 2005

Outstanding Researcher Award Division of General Internal 2003

Medicine and Geriatrics, Indiana

University School of Medicine

Fellow in Geriatric Clinical Research American Federation in Aging 2000

Research and the John A. Hartford

Foundation

OVERALL/OTHER

Health Care Heroes Award Indianapolis Business Journal 2014

Finalist, Physician Hero Indianapolis Business Journal 2013

Top Physician in Indianapolis Indianapolis Business Journal 2012

A Top Reviewer Journal of American Geriatrics Society 2011

Top 3% of medical students University of Damascus, 1994

Faculty of Medicine, Syria

**MENTORING**

Matthew Zhiss, MSW (IUPUI) Implementation Science 2019 – Present

Sikandar Khan DO, MS Aging Brain 2019 – Present

Heidi Lindroth, PhD (IUPUI) Aging Brain 2018 – Present

M. Grace Garcia, MHA, BSN, RN

(Northwestern Medicine) Implementation Science 2018 – Present

Archita Desai, MD (IUPUI) Implementation Science 2018 – Present

NaKeita Boyd, BSM (IUPUI) Implementation Science 2018 – Present

Richard Holden, PhD Implementation Science 2016 – Present

Amikar Sehdev, MD, MPH (IUPUI) Implementation Science 2015 – Present

Shamaila Waseem, MD (IUPUI) Implementation Science 2015 – Present

John Batsis, MD (Darmouth) Geriatrics 2015 – Present

Sophia Wang, MD (IUPUI) Geriatrics 2015 – Present

Daniel Bateman, MD (IUPUI) Geriatrics 2015 – Present

Ashley Overlay, MD (IUPUI) Implementation Science 2015 – Present

Areeba Kara, MD, Msc (IUPUI) Implementation Science 2014 – Present

Eric Orman, MD, MPH (IUPUI) Implementation Science 2014 – Present

Ben Zarzour, MD, MPH (IUPUI) Implementation Science 2014 – Present

Sue Lasiter, RN, PhD (IUPUI) Implementation Science 2013 – Present

Dennis Watson, PhD (IUPUI) Public Health 2013 – Present

Karim Boustany, PhD (Purdue) Industrial Engineer 2011 – Present

Ester Oh, MD, PhD (John Hopkins) Aging Brain 2011 – Present

Lisa Boyle, MD (U of Rochester) Geriatrics 2011 – Present

Michael LaMantia, MD (IUPUI) Geriatrics 2011 – Present

Jose Azar, MD (IUPUI) Implementation Science 2011 – Present

Nadia Adams, MHA (IUPUI) Implementation Science 2011 – Present

Nicole Fowler, PhD (IUPUI) Decision Science 2010 – Present

Babar Khan, MD, Msc (IUPUI) Aging Brain 2009 – Present

Arif Nazir, MD (IUPUI) Implementation Science 2009 – Present

Mary Baker, MD (IUPUI) Geriatrics 2009 – 2010

Cathy Alder, JD, MSW (Eskenazi Health) Geriatrics 2008 – Present

Patrick Monahan, PhD (IUPUI) Psychometrics 2008 – Present

Noll Campbell, PharmD (IUPUI) Pharmacoepidemiology 2007 – Present

Michael Justiss, PhD (IUPUI) Psychometrics 2006 – 2009

Cathy Schubert, MD (IUPUI) Geriatrics 2002 – 2008

**TEACHING ADMINISTRATION AND CURRICULUM DEVELOPMENT**

Clinical Teaching

Attending Physician, Healthy Aging Brain Center, Eskenazi Health Services 2008 – Present

Attending Physician, Center for Geriatric Medicine - Clarian Health, Methodist 2004 – 2007

Hospital - Internal Medicine residents and medical students - two half-day sessions per week.

Attending Physician, Acute Care for Elderly Unit - Wishard Memorial Hospital 2002 – 2006

– Rounds with RNs, SW, Clinical Pharmacist, Nutritionist, Physical therapist, internal medicine residents, and medical students - three months per year.

Attending Physician, Alzheimer’s Unit - Lockfield Village. Internal Medicine 2002 – 2005

residents and Occupational therapy students -two half sessions per month

Attending Physician, Center for Senior Health - Regenstrief Health Center – 2002 – 2004

Internal Medicine residents and medical students - one half day session per

week.

Attending Physician, House-Call Program for Seniors - Wishard Health 2002 – 2004

Services - Geriatric Fellows, Internal Medicine residents, Occupational

therapy student - One half day session per week.

Attending Physician, Brittheven Nursing Home - Family Medicine, University 2000 – 2002

of North Carolina – Family Medicine residents, medical students, and nurse

practitioner students – One half day per week.

Didactic Teaching

Course Director and Lecturer, Interdisciplinary Clinicians and Health Care 2015 – Present

Administrators, Indiana University School of Medicine, Graduate Certificate in Innovation and Implementation Science includes 15 credit hours over 12 month period.

Lecturer, Geriatrics Fellows - Division of Internal Medicine and Geriatrics – 2005 – 2012

Indiana University School of Medicine - Basic Skills in Critical Appraisal of the Literature - Course that includes (6) 1.5-hour didactic session, 1-2 hour individualized mentoring sessions per month, and supervision of fellow journal club presentation.

Lecturer, Internal Medicine residents - Division of Internal Medicine and 2004 – 2006

Geriatrics - Indiana University School of Medicine Recognizing, assessing, and treating delirium in hospitalized older adults. One hour session per month.

Lecturer, first year medical students - Indiana University. Evidence-Based 2003 – 2003

Medicine I. Two hour session per week.

Lecturer, Occupational Therapy students - University of Indianapolis and 2002 – 2003

Indiana University. Integrating critical appraisal of research into practice. Two-hour session per week.

Lecturer, Internal Medicine residents - Division of Internal Medicine and 2000 – 2012

Geriatrics - Indiana University School of Medicine. Systematic Evidence Review, a tool to make an unbiased clinical decision. Course that includes a 2-hour didactic session per month, 4-5 hours individualized mentoring per month, and supervision of residents’ presentation.

Lecturer, Family Medicine residents - University of North Carolina. Integrating 2000 – 2002

evidence-based practice in long-term care. Two hour sessions per week.

**GRANTS/FELLOWSHIPS IN TEACHING**

A Summit on Cognitive Impairment Pfizer Inc. PI N/A $30,000 2006

among Hospitalized Older Adults.

A Summit to Improve the Detection Forest Pharmaceuticals PI N/A $8,000 2005

and the Management of Alzheimer

Disease in Your Assisted Living

Facility: An Educational Program in

Collaboration with Indiana ALFA.

Untangling Agitation Related to Pfizer, Inc. PI N/A $4000 2004 – 2005

Dementia in Assisted Living

Facilities: An Educational Program in

Collaboration with Indiana ALFA.

**RESEARCH/CREATIVE ACTIVITY**

**GRANTS/FELLOWSHIPS IN RESEARCH**

ACTIVE RESEARCH GRANTS

Network of Quality Improvement and CMS PI TBD TBD 2019 – 2029

Clinical Innovation Contractor (NQIIC)

Indefinite Delivery Indefinite Quantity (IDIG)

The Agile Innovation Network

Technology Intervention to Support NIH/NIA Co-PI 5% $195,724 2019 –2021

Caregiving for Alzheimer’s Disease

(I-CARE) (Holden)

Brain Safe: Consumer Intervention to NIH/NIA Co-I 10% $436,137 2019 – 2024

Reduce Exposure to Drugs Linked to

Alzheimer’s Disease (Holden)

Reducing Risk of Dementia through NIA Site PI 10% $3,449,616 2019 – 2023

De-prescribing (R2D2 Clinical Trial)

(PI: Campbell)

The Caregiver Outcomes of NIH/NIA Co-I 10% $3,024,443 2018 – 2023

Alzheimer’s Disease Screens

(COADS) Trial (PI: Fowler)

Indiana Clinical and Translational NCATS Co-I 5% $5,734,083 2018 – 2023

Sciences Institute (CTSI ) (PI: Shekhar)

Program of Intensive Support in NIA Co-I 5% $3,800,000 2017 – 2021

Emergency Departments for Care

Partners of Cognitively Impaired

Patients (POISED-CPCIP)”

Decreasing Alzheimer Disease NIA Co-I 5% $3,484,572 2017 – 2022

and related Dementia after Delirium

Exercise and Cognitive Training.

The DDD-ECT trial.

The Collaborative Care for the NIA Co-PI 10% $2,465,165 2017 – 2022

Older Injured Patient: A Trauma

Medical Home.

Mobile Critical Care Recovery NHLBI Co-I 15% $3,229,974 2017 – 2022

Program for Acute Respiratory Failure

Survivors (m-CCRP trial) (PI: Babar Khan).

Network for Investigation of Delirium NIA Chair, N/A $2,775,934 2016 – 2021

across the U.S. (NIDUS). (PI: Sharon Inouye) Scientific Advisory

COMPLETED RESEARCH GRANTS

Researching Efficient Approaches NIA Co-I 1% $2,400,000 2016 – 2020

to Delirium Identification (READI)

(PI: Marcantonio and Fick).

Great Lakes Practice CMS PI 15% $46,472,614 2015 – 2019

Transformation Network (GLPTN).

Brain Health Patient Safety Learning AHRQ Co-I 4% $6,578,124 2015 – 2019

Laboratory (PI: Callahan)

Indiana University Dementia NIA PI 1% $2,776,009 2012 – 2019

Screening Trial: The IU CHOICE Study.

A Scalable Detection Process Merck PI 1% $280,000 2017 – 2018

for Prodromal Alzheimer Disease.

Pharmacological Management NIA PI 20% $3,259,496 2010 – 2016

of Delirium in the ICU.

Indiana Clinical and Translational NCATS Co-I 10% N/A 2014 – 2016

Sciences Institute (PI: Shekhar)

Dissemination of the Aging Brain CMMI PI 25% $7,833,000 2012 – 2015

Care Program.

Alzheimer’s Disease Multiple NIMH Co-I 10% $3,480,334 2010 – 2015

Intervention Trial (ADMIT)

(PI: Chris Callahan)

Indiana Alzheimer Disease Core NIA Co-I 5% $890,255 2010 – 2015

Center National Institute on Aging.

(PI: Bernardino Ghetti)

RESERVE for Delirium Superimposed NIA Consultant $2,405,344 2010 – 2015

on Dementia Trial.

(PI: Anne Kolanowski & Donna Fick)

Early Nurse Detection of Delirium NINR Consultant $2,763,911 2010 – 2015

Superimposed on Dementia

(END DSD) Trial. (PI: Donna Fick)

Indiana Comparative Effectiveness AHRQ Co-PI 21% $8,625,023 2010 – 2013

Trial for Alzheimer Disease (PROSPECT).

A Program of Collaborative Care for AHRQ Co-I 20% $1,400,000 2001 – 2005

Alzheimer’s Disease. (PI: Callahan)

Perception Regarding Investigational NIA PI N/A $25,000 2004

Screening of Dementia in Primary

Care: The U.S. PRISM-PC.

Evaluation of the Impact of Electronic Novartis PI 1% $226,200 2009 – 2012

Dementia Care Decision Support in

the Treatment of Dementia and

Alzheimer’s Disease (ePREVENT).

The Development of the Healthy Forest PI N/A $107,000 2009 – 2011

Aging Brain Monitor.

Implementing the Healthy Aging Indiana CTSI PI N/A $15,000 2009 – 2010

Brain Monitor in the Real World.

Interventions and Practice Research NIMH Co-I 15% $3,519,000 2008 – 2013

Infrastructure Program. (PI: Callahan)

Forecasting the Impact of Early Neurontrix PI N/A $20,000 2008-2009

Dementia Detection and Management

on the Future National Health Care

Expenditure.

Alzheimer Screening in Primary Care; NIA PI 25% $971,383 2007 – 2010

The PRISM-PC Study.

Developing Comprehensive Dementia- AA Co-I 5% $240,000 2007 – 2010

Specific Nursing Home Quality

Indicators. (PI: Arling)

Implementing Effective Dementia Forest PI N/A $40,000 2007 – 2008

Screening, Diagnosis and

Management Program in Your Clinic.

Enhancing Care for Hospitalized NIA PI 75% $749,010 2005 – 2010

Older Adults with Cognitive Impairment.

Beeson-NIA Career Development Award.

Preventing Post-Operative Cognitive Pfizer, Inc. PI 10% $39,000 2004 – 2005

Deficit: Is there a role for Donepezil?

Preventing Delirium in Hospitalized Clarian Value PI 10% $79,100 2004 – 2006

Elderly. Fund

The Effect of Donepezil on Pfizer, Inc. PI 25% $75,000 2000 – 2002

**SERVICE**

DEPARTMENT

Department of Medicine Member, Research Committee 2012 – 2014

SCHOOL

Indiana Institute of Personalized Medicine Member, Executive Committee 2011 – Present

IU Geriatrics Member, Executive Fellowship Comm. 2005 – 2009

UNIVERSITY

Institutional Review Board (IRB-02) Regular Member 2003 – 2013

Institutional Review Board Alternate Member 2003 – 2013

(IRB-04 and IRB-05)

PROFESSIONAL SERVICE

LOCAL

Wishard Memorial Hospital Member, Pharmacy and 2003 – 2010

Therapeutic Committee

Wishard Memorial Hospital Member Member, Medication Use 2003 – 2010

Evaluation Committee

CICOA Aging & In-Home Solutions, Member, Foundation 2010 – Present

Indianapolis, IN Board of Trustees

NATIONAL

American Delirium Society President-Elect 2011 – 2012

American Delirium Society President 2012 – 2013

American Delirium Society Chair Advisory Council 2015 – Present

The Cochrane Collaboration Member, Cochrane Dementia & 2003 – 2007

Cognitive Improvement Group

American Geriatrics Society Chair, Clinical Research in 2006 – 2014

Dementia SIG

Geriatrics Deputy Editor, 2006 – 2008

Journal of General Internal Medicine

**PATIENT CARE/CLINICAL SERVICE**

Senior Care Innovation, Eskenazi health, Director 2019 – Present

Indianapolis, IN

Sandra Eskenazi Center for Brain Care Stapff Physician 2008 – Present

Innovation, Eskenazi Health,

Indianapolis, IN

Department of Medicine, Methodist Hospital, Staff Physician 2002 – Present

Indianapolis, IN

Department of Medicine, University Hospital, Staff Physician 2002 – Present

Indianapolis, IN

Department of Medicine, Eskenazi Hospital, Staff Physician 2002 – Present

Indianapolis, IN

North Carolina Memorial Hospital, Staff Physician 1999 – 2002

Chapel Hill, NC

**PUBLICATIONS**

RESEARCH/CREATIVE ACTIVITY

Refereed:

1. Serrano P, Wang S, Perkins AJ, Gao S, Khan S, Lindroth H, **Boustani M**, Khan B. Relationship between ICU delirium severity and 2-year mortality and acute health care utilization. AJCC (In press accepted Dec 2019)
2. Ben Miled Z, Haas K, Black CM, Khandker RK, Chandrasekarean V, Litpon R, **Boustani MA**. Predicting dementia with routine care EMR data. Artificial Intelligence in Medicine Journal 2020; 102:1-8 (DOI 10.1016/j.artmed 2019.101771).
3. Fowler NR, Perkins AJ, Gao S, Sachs GA, and **Boustani MA**. Risks and Benefits of Screening for Dementia in Primary Care: The Indiana University Cognitive Health Outcomes Investigation of the Comparative Effectiveness of Dementia Screening (IU CHOICE)Trial. J Am Geriatr Soc 2019;00:1-9 (published online Dec 2 2019; DOI:10.1111/jgs.16247).
4. Khan BA, Perkins AT, Prasad AK, Shekhar A, Campbell NL, Gao S, Wang, S, Khan SH, Marcantonio ER, Twigg, HL, **Boustani MA**. Biomarkers of Delirium Duration and Delirium Severity in the ICU. Crit Care Med 2019 (published online on Nov 27 2019; DOI:10.1097/CCM.0000000000004139).
5. **Boustani M**, Perkins AJ, Khandker RK, Duong S, Dexter PR, Lipton R, Black CM, Chandrasekaran V, Solid CA, and Monahan P. Passive Digital Signature for Early Identification of Alzheimer’s Disease and Related Dementia. J Am Geriatr Soc 2019;XX: 1-8 (published online on Nov 29 2019; DOI:10.1111/jgs.16218.)
6. Wang S, Hanneman P, Xu C, Gao S, Allen D, Golovyan D, Kheir YN, Fowler N, Austrom M, Khan S, **Boustani M**, Khan B. Critical Care Recovery Center: a model of agile implementation in intensive care unit (ICU) survivors. Int Psychogeriatr. 2019 Aug 30:1-10.
7. Desai AP, Mohan P, Nokes B, Sheth D, Knapp S, **Boustani M**, Chalasani N, Fallon MB, Calhoun EA. Increasing Economic Burden in Hospitalized Patients with Cirrhosis: Analysis of a National Database. Clin Transl Gastroenterol. 2019 Jul 23. doi: 10.14309/ctg.0000000000000062.

(In Press)

1. Solid C, Nazir A, **Boustani M**. Agile Implementation. J Am Med Dir Assoc. 2019 Jul;20(7):795-797. doi: 10.1016/j.jamda.2019.05.017. (In Press)
2. Richardson K, Mattishent K, Loke YK, Steel N, Fox C, Grossi CM, Bennett K, Maidment I, **Boustani M**, Matthews FE, Myint PK, Campbell NL, Brayne C, Robinson L, Savva GM. History of Benzodiazepine Prescriptions and Risk of Dementia: Possible Bias Due to Prevalent Users and Covariate Measurement Timing in a Nested Case-Control Study. Am J Epidemiol. 2019 Jul 1;188(7):1228-1236. doi:10.1093/aje/kwz073.
3. Campbell NL, Holden R, **Boustani MA**. Preventing Alzheimer Disease by Deprescribing Anticholinergic Medications. JAMA Intern Med. 2019 Jun 24. doi:10.1001/jamainternmed.2019.0676. (In Press)
4. Monahan PO, Kroenke K, Callahan CM, Bakas T, Harrawood A, Lofton P, Frye D, Draucker C,

Stump T, Saliba D, Galvin JE, Keegan A, Austrom MG, **Boustani M**. Reliability and validity of SymTrak, a multi-domain tool for monitoring symptoms of older adults with multiple chronic conditions. JGIM. 2019: 34(6) 908-914.. doi: 10.1007/s11606-018-4780-4. Epub 2019 Apr 18.

1. Monahan PO, Kroenke K, Callahan CM, Bakas T, Harrawood A, Lofton P, Frye D, Draucker C, Stump T, Saliba D, Galvin JE, Keegan A, Austrom MG, **Boustani M**. Development and feasibility of SymTrak, a multi-domain tool for monitoring symptoms of older adults in primary care. JGIM. 2019: 34(6) 915-922. doi: 10.1007/s11606-018-4772-4. Epub 2019 Mar 25.
2. **Boustani M**, Yourman L, Holden RJ, Pang PS, Solid, CA. A profile in population management: The Sandra Eskenazi Center for Brain Care Innovation. Generations Supplement. 2019;(3)68-72.
3. Holden RJ, Campbell NL, Abebe E, Clark DO, Ferguson D, Bodke K, **Boustani MA**, Callahan CM, Brain Health Patient Safety Laboratory. Usability and feasibility of consumer-facing technology to reduce unsafe medication use by older adults. RSAP 2019. doi: 10.1016/j.sapharm.2019.02.011. Epub 2019 Feb 26. (In Press)
4. Kheirbek RE, Fokar A, Little JT, Balish M, Shara NM, **Boustani M**, Llorente M. Association between antipsychotics and all-cause mortality among community-dwelling older adults. J of Gerontology. 2019. doi: 10.1093/gerona/glz045. Epub 2019 Feb 11. (In Press)
5. Khan BA, Perkins AJ, Campbell NL, Gao S, Farber MO, Wang S, Khan SH, Zarzaur BL, **Boustani MA**. Pharmacological management of delirium in the intensive care unit: a randomized pragmatic clinical trial. J Am Geriatr Soc.2019 May;67(5):1057-1065.
6. **Boustani M**, Alder CA, Solid CA, Reuben D. An alternative payment model to support widespread use of collaborative dementia care models. Health Affairs. 2019;38(1), 54-59. doi: 10.1377/hlthaff.2018.05154

# Boustani MA, van der Marck MA, Adams N, Azar JM, Holden RJ, Vollmar HC, et al. Developing the agile implementation playbook for integrating evidence-based health care services into clinical practice. Academic Medicine. 2019;(4):556-561. doi: 10.1097/ACM.0000000000002497.

1. Wang S, Meeker JW, Perkins AJ, Gao S, Khan SH, Sigua NL, Manchanda S, **Boustani MA**, Khan BA. Psychiatric symptoms and their association with sleep disturbances in intensive care unit (ICU) survivors. Intl J Gen Med 2019;12:125-30. doi: 10.2147/IJGM.S193084.
2. Wang S, Allen D, Perkins A, Monahan P, Khan S, Lasiter S, **Boustani M**, Khan, B. Validation of a new clinical tool for post-intensive care syndrome. Amer J Critical Care. 2019;28(1):10-18 doi: 10.4037/ajcc2019639.
3. Holden RJ, Srinivas P, Campbell NL, Clark DO, Bodke KS, Hong Y, **Boustani MA**, Ferguson D Callahan CM, the IU Brain Health Patient Safety Laboratory. Understanding older adults' medication decision making and behavior: A study on over-the-counter (OTC) anticholinergic medications. RSAP 2019; 15(1):53-60. doi: 10.1016/j.sapharm.2018.03.002.
4. Campbell NL, Perkins AJ, Khan BA, Gao S, Farber MO, Khan S, Wang S, **Boustani MA**. Deprescribing in the pharmacologic management of delirium: a randomized trial in the intensive care unit. J Am Geriatr Soc.2019;67(4):695-702. doi: 10.1111/jgs.15751.
5. Azar J, Kelley K, Dunscomb J, Perkins A, Wang Y, Beeler C, Dbeibo L, Webb D, Stevens L, Luektemeyer M, Kara A, Nagy R, Solid CA, **Boustani M**. Using the Agile Implementation model to reduce central line-associated bloodstream infections. Am J of Infect Control 2019;47(1):33-37 doi: 10.1016/j.ajic.2018.07.008.
6. Fowler NR, Campbell NL, Pohl GM, Munsie LM, Kirson NY, Desai U, Trieschman EJ, Meiselbach MK, Andrews JS, Boustani MA. [One-Year Effect of the Medicare Annual Wellness Visit on Detection of Cognitive Impairment: A Cohort Study.](https://www.ncbi.nlm.nih.gov/pubmed/29608782/)J Am Geriatr Soc. 2018 May;66(5):969-975. doi: 10.1111/jgs.15330. Epub 2018 Apr 2. PubMed PMID: 29608782.
7. Zimmerman S, Katz PR, Sloane PD, **Boustani M**, Brown M, Cesari M, et al. Language as an application of mindfulness. J Am Med Dir Assoc.. 2018;19(5):375-77 doi: 10.1016/j.jamda.2018.03.004.
8. Wang S, Hammes J, Khan S, Gao S, Harrawood A, Martinez S, Moser L, Perkins A, Unverzagt FW, Clark DO, **Boustani M**, Khan B. Improving recovery and outcomes every day after the ICU (IMPROVE): study protocol for a randomized controlled trial. Trials. 2018;19(1):196 doi: 10.1186/s13063-018-2569-8.
9. Sloane PD, Zimmerman S, **Boustani M**. The unmet promise of a miracle rug for Alzheimer's disease: implications for practice, policy, and research. J Am Med Dir Assoc.2018;19(7):557-59 doi: 10.1016/j.jamda.2018.05.026.
10. Richardson K, Fox C, Maidment I, Steel N, Loke Y, Arthur A, Myint P, Grossi C, Mattishent K, Bennett K, Campbell N, **Boustani M**, Robinson L, Brayne C, Matthews F, Savva G. Anticholinergic drugs and risk of dementia: case-control study. BMJ. 2018;361;361:k1315 doi: 10.1136/bmj.k1315.
11. Nowaskie D, Carvell CA, Alder CA, LaManita MA, Gao S, Brown S, **Boustani MA**, Austrom MG. Care coordinator assistants: Job satisfaction and the importance of teamwork in delivering person-centered dementia care. Dementia. 2018. doi:10.1177/1471301218802739
12. Khan SH, Kitsis M, Golovyan D, Wang S, Chlan LL, **Boustani M**, Khan BA. Effects of music intervention on inflammatory markers in critically ill and post-operative patients: A systematic review of the literature. Heart Lung. 2018;47(5):489-96. doi: 10.1016/j.hrtlng.2018.05.015.
13. Khan S, Biju A, Wang S, Gao S, Irfan O, Harrawood A, Martinez S, Brewer E, Perkins A, Unverzagt FW, Lasiter S, Zarzaur B, Rahman O, **Boustani M**, Khan B. Mobile critical care recovery program (m-CCRP) for acute respiratory failure survivors: study protocol for a randomized controlled trial. Trials. 2018;19(1):94 doi: 10.1186/s13063-018-2449-2.
14. Khan BA, Perkins AJ, Campbell NL, Gao S, Khan SH, Wang S, Fuchita M, Weber DJ, Zarzaur BL, **Boustani MA**, Kesler K. Preventing postoperative delirium after major noncardiac thoracic surgery-a randomized clinical trial. J Am Geriatr Soc.2018;66(12):2289-97 doi: 10.1111/jgs.15640.
15. Heiden SM, Holden RJ, Alder CA, Bodke K, **Boustani M**. Erratum to human factors in mental healthcare: A work system analysis of a community-based program for older adults with depression and dementia applied ergonomics. Appl Ergon 2018;68:229 doi: 10.1016/j.apergo.2017.10.017.
16. Harrawood A, Fowler NR, Perkins AJ, LaMantia MA, **Boustani MA**. Acceptability and results of dementia screening among older adults in the United States. Curr Alzheimer Res. 2018;15(1):51-55 doi: 10.2174/1567205014666170908100905.
17. Fowler NR, Perkins AJ, Gao S, Sachs GA, Uebelhor AK, **Boustani MA**. Patient characteristics associated with screening positive for Alzheimer's disease and related dementia. Clin Interv Aging. 2018;13:1779-85 doi: 10.2147/cia.S164957.
18. Campbell NL, Lane KA, Gao S, **Boustani MA**, Unverzagt F. Anticholinergics influence transition from normal cognition to mild cognitive impairment in older adults in primary care. Pharmacotherapy 2018;38(5):511-19 doi: 10.1002/phar.2106.
19. Callahan CM, Bateman DR, Wang S, **Boustani MA**. State of science: bridging the science-practice gap in aging, dementia and mental health. J Am Geriatr Soc.2018;66 Suppl 1:S28-s35 doi: 10.1111/jgs.15320.
20. **Boustani M**, Alder CA, Solid CA. Agile Implementation: a blueprint for implementing evidence-based healthcare solutions. J Am Geriatr Soc.2018;66(7):1372-76 doi: 10.1111/jgs.15283.
21. Austrom MG, **Boustani M**, LaMantia MA. Ongoing medical management to maximize health and well-being for persons living with dementia. Gerontologist. 2018;58(suppl\_1):S48-s57 doi: 10.1093/geront/gnx147.
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