Demetra ("Dee") Antimisiaris, PharmD, BCGP, FASCP
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EDUCATION

1981 - 1984	Pre-pharm, Chemistry, University of California, Davis
1985 - 1986	Intern, Kaiser Permanente, Stockton, CA
1986 - 1988	Intern, Waterloo Pharmacy, Stockton, CA
1986 - 1989	Doctor of Pharmacy (PharmD), University of the Pacific
1989 - 1990	Residency, VAMC West LA (Geriatrics)

ACADEMIC APPOINTMENTS

7/2015-present	Associate Professor, University of Louisville, Dept. of Pharmacology and Toxicology
7/22/2019-present	Assistant Dean of Continuing Medical Education and Professional Development University of Louisville. (Interim w permanent appt. Oct 2019)
10/2011-6/2015	Associate Professor, University of Louisville, Dept. of Family and Geriatric Medicine
07/2015-Present	Associate Faculty, University of Louisville, Dept. of Family and Geriatric Medicine
3/2007 – 9/2011	Assistant Professor, University of Louisville, Dept. of Family and Geriatric Medicine
7/2008-present	Affiliated Faculty, University of Louisville, Interdisciplinary Masters in Bioethics Program
2/2011 - present	Associate Faculty, University of Louisville, Dept. of Neurology
3/2007 - present	Adjunct Professor, University of Kentucky College of Pharmacy
3/2011 - present	Graduate School Faculty, School of Medicine, University of Louisville
2004-2005	Assistant Professor, University of Kentucky College of Pharmacy

OTHER POSITIONS AND EMPLOYMENT

1995-2000	Staff Pharmacist, University of Oregon Student Health, Eugene, OR
1995-2000	Pharmacist in Charge, Northwest Pharmaceutical Compounding, Eugene, OR
2000-2001	Office Assistant, Quinn and Quinn CPAs, Wayne, NJ
9/2001-12/2004	Staff Pharmacist, Long's Drug Stores, Murrieta, CA
8/2005-2007	Consultant Pharmacist, Pharmerica, Honolulu, HI
9/2006-2015	Consultant Pharmacist Reserve, Mina Pharmacy, Honolulu, HI
2007-present	Consultant Pharmacist Reserve, Pharmerica, Honolulu, HI

CURRENT CERTIFICATION AND LICENSURE

California	RPh 42963, 8/25/1989
Washington	PH00016650, 5/25/1990 (primary reciprocal)
Oregon	8719
Hawaii	2473 (9/8/2005)
Kentucky	013872 (02/28/2007)
2006 -present	BCGP IND- 917991
2005-present	Fellow, American Society of Consultant Pharmacists

PROFESSIONAL DEVELOPMENT

2010-2011	Grant Generating Project Certificate: One-year fellowship on grantsmanship, Virginia Commonwealth University, Dept. of Family Medicine.
2014	Kauffman Fast Track Training: Sponsored by U of L-my sponsorship. Accelerated entrepreneurial training program with focus on incubator and startup skills.
2017	SBIR-STTR Roadshow/ Workshop- Lexington, KY (sponsored by U of L- my sponsorship)

2017 Commercialization and Entrepreneurial Summit, Indianapolis, IN. Regional seminar and "shark tank" hosted by NSF/IU. Schools represented include- U of L, IU, Missouri U of Science and Technology (I was U of L rep)

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES, Editorial Boards and Reviewer Panels

2006-present American Society of Consultant Pharmacists (ASCP): Fellow, Committee Lead & Member (Education and Research Committee- plans annual meeting and disseminates education on gero pharm)
2007-2013 American Society of Health System Pharmacists (ASHP)
2007-2013 Gerontological Society of America (GSA)
2008-2009 ASHP lead - Kentucky Medicaid Initiative on Medication Therapy Management
2008-2012 Invited contributor on medication management, ASHP blog
2008-2015 Kentucky Geriatrics Society (KGS)
2009-2014 American Geriatrics Society (AGS)
2010-presnt Jefferson County Academy of Pharmacy (JCAP)
2010-2012 North American Primary Care Research Group (NAPCRG)
2010-2016 American Medical Directors Association (AMDA)
2011-2013 Academy of Managed Care Pharmacy
2007-present University of Louisville Polypharmacy Initiative Lead Faculty: program dedicated to education, research and outreach to solve the problem of polypharmacy and medication induced harm. Now The Frazier Polypharmacy and Medication Management (Endowed Program)
2012-present Journal of the American Society of Consultant Pharmacists Editorial Board
2014-present Journal of Geriatrics and Palliative Care Editorial Board
2015-present Pharmacovigilance and Pharmacoepidemiology Editorial Board
2016-present Journal of Pharmacy Practice and Research, Editorial Advisory Board
2019-present The Medical Letter Review board.

HONORS AND AWARDS

2008 - Nominee, Eisai – APhA Pharmacist of the Year, Alzheimer's Association of Kentucky
2009 - Preceptor of the Year, University of Kentucky College of Pharmacy, Clinical Education Center
2010 - Nominee, Preceptor of the Year 2010, University of Kentucky College of Pharmacy
2011 - Honorable Mention, Gutterman Prize Poster Competition, *Inappropriate Crushing of Medications in the Nursing Home Setting*, AMDA Annual Scientific Conference, Mar. 2011, Tampa, Fl.
2011 - A.O. Sullivan Award for Excellence in Education at the 5th Annual MediStar Awards
2012 - Kentucky Association of Gerontology: Clinician of the Year Award
2014 - American Society of Consultant Pharmacists: Exemplary Service to the Society Award.
2015 - Lane Report Researchers to Watch http://www.lanereport.com/57854/2015/12/researchers-to-watch/
2016 -Business First Leaders in Aging
2019 Nominee: ASCP (American Society of Consultant Pharmacists) George F. Archambault Award. The Society's highest honor conferred to an individual for their outstanding contributions to the profession. Selected by past Archambault award winners. Conferred Nov 2019
2019 Recognizes a female pharmacist for her outstanding contributions to senior care pharmacy and the mission of ASCP. (Selected by the Executive Committee). Conferred Nov 2019
2019 Awardee: ASCP (American Society of Consultant Pharmacists) George F. Archambault Award. The Society's highest honor conferred to an individual for their outstanding contributions to the profession. Selected by past Archambault award winners.

COMMITTEE ASSIGNMENTS AND ADMINISTRATIVE SERVICES

University of Louisville

2007-2009 University of Louisville Hospital Ethics Committee
2010-2011 National Association of Drug Diversion Investigators (NADDI) Older Adults Task Force
2011-2013 MS Graduate Committee: Benjamin Risner, MD, candidate MS in Pharmacology /MPH 82013
2011-2013 K Advisor/Mentor to Dr. Faika Zanjani, PhD, University of Kentucky, Health Resources and Services Administration, K award reapplication submitted July 2011, *Substance Abuse Amongst Rural Kentucky Elders.*
2011-2016 University of Louisville Annual Geriatrics Symposium Director
2013-2016 University of Louisville School of Medicine Introduction to Clinical Medicine Task Force
2013-2014 University of Kentucky School of Nursing NP DNP candidate: Mary Skinner, NP. DNP capstone project: Development of a Polypharmacy Protocol for NPs. A cross-sectional pilot study conducted to assess NP implementation of the Polypharmacy Protocol in adults aged 60 and older.
2013-2014 MS Graduate Committee: David Alton, MS candidate in Bioengineering, U of L Speed School of Engineering. 72014
2014-2015 DNP (Doctor, NP) Committee: Mary Skinner, DNP candidate (thesis adviser) graduated 82015
2015-2017 Medical Education University of Louisville, M1-M2 subcommittee
2015-2017 Medical Education University of Louisville, Curriculum integration committee
2014-present University of Louisville CME and Professional Development Advisory Committee Chair (standing member since 2012)
2017-2019 Dental Hygiene Curriculum Committee
2016-present IRB member, University of Louisville Biomedical IRB
2016-present UCLA Annual Intensive Course in Geriatrics and Board Review Co-Chair
2014-present University of Louisville CME and Professional Development Advisory Committee Chair (standing member since 2012)
2017-present Student Promotions Committee –U of L Med Ed
2018-present K Advisor/Mentor to Dr. Rachel Vickers-Smith PhD, University of Louisville School of Nursing, Epidemiology. Predictive Value of Social Media Mining for Polydrug Substance Use.

Non-University

1998-1999 Chair, Employee Steering Committee, Oregon State Board of Pharmacy
2005-2008 Advisor, medication use in long-term care, Long-Term Care Association of Hawaii,
2006-2009 New Consultant Trainer, Mina Long-Term Care Pharmacy, Honolulu, HI, Consultant Pharmacy Services Board
2007-2013 Member, Greater Louisville Medical Society, Patient Safety Committee
2010-2014 Chair of Outcomes, Greater Louisville Medical Society, Transitions of Care Safety Committee Grant and Initiative
2011 -2015 Chair, Greater Louisville Medical Society, and Transitions of Care Initiative- Outcomes Committee
2012-2018 Appointment to the Governor's Institute for Aging, under KRS 194A.090 Citizen Advisory Bodies—Public Health Services Advisory: Vice Chair
2012-2015 American Society of Consultant Pharmacist Educational Standards Task Force Committee
2013-present American Society of Consultant Pharmacist Education and Research Committee: Geri Curriculum
2013-2015 KYASCP Educational Committee Chair
2013-2015 KY State Commissioners on Aging Task Force: KERI-ON project. Kentucky Elder Readiness Initiative- Operation NOW, an advisory to the Deborah Anderson, KY Commissioner on Aging,

consisting of (myself), Graham Rowles PhD (UK Sanders Brown), Keith Knapp PhD (CEO of Christian Care Homes.)

2014-2016 CGP (Certification for Geriatric Pharmacy) exam question contributor

2015-Present American Society of Consultant Pharmacist: Pharmacy Educators and Research Counsel. Member and Chair (2019).

2018-present Appointment to the Governor's Advisory Alzheimer's Disease, under KRS 194A.090 Citizen Advisory Bodies—Public Health Services Advisory.

Consultation - Geriatric Pharmacotherapy

2007-2013 Elderserve, home medication assessment for MSWs

2007 University of Louisville, Audit of Beers drug use and Hospital Pharmacy Geriatric Protocol

2008 Norton Hospital ICU Delirium Vent Bundle Protocol development: adapted 2008

2011-2012 American Pharmacist Association National Advisory Committee: MTM certification program and training modules.

2012 American Pharmacist Association Advisor: Annual Conference Geriatric Update Sessions

2013-2014 American Pharmacist Association Advisory Committee: MTM certification program and training modules. (Update and edition 2015)

2014-present Power Pak MTM certification courses for RPh and Pharm Techs. 30 hour online MTM certification course- author Geriatrics Modules.

2015 APhA ADAPT training modules advisor, video "actor" and content provider. 100 hours.

2015 Power Pak MTM certification course for pharmacy techs. 30 hours. Clinical Content Faculty.

EDUCATIONAL ACTIVITIES

University of Louisville Medicine

2007-2011 Instructor, Family Medicine Clerkship, *Physiology of Aging and Polypharmacy* every 6 weeks

2007, 2008 Instructor, Family Medicine clerkship, Geriatrics standardized patient sessions

2007-present Facilitator, Medical Ethics Small Group Annual Sessions

2009 - present Instructor, Family Medicine clerkship, *Geriatric Syndromes* group learning activity, every 6 weeks

2011-present Instructor, Family Medicine clerkship, *Physiology of Aging and Polypharmacy*: development and implementation of new online format for the polypharmacy and physiology of aging modules.

2012-present Education content: University of Louisville School of Medicine Curriculum Pharmacology and Applied Therapeutics.

2016-2017 U of L School of Medicine Diagnosis and Therapeutics. Pharmacology Course Thread Lead. [Developing curriculum integration and content for med pharmacology education] Authoring and teaching for medical pharmacotherapy (target step 1 boards and 3rd year clinical start)

2016 U of L School of Dentistry. Pharmacology Course (3rd year dental students) Instructor.

2017 U of L School of Dentistry. Pharmacology Course (3rd year dental students) Course co-director

2017 U of L School of Dentistry Dental Hygiene Pharmacology Course Director

2013-present U of L School of Dentistry Interdisciplinary Geriatrics Course- provide three lectures and geriatric pharmacotherapy active learning case activity.

2017 Polypharmacy lecture series for U of L NP training program

2017 Graduate Pharmacology II: PHTX 641-01. Section coordinator and Instructor. Chemotherapy of Microbial Diseases.

Student Preceptor (University of Kentucky College of Pharmacy)

2010 - Present Instructor, Community Faculty, Geriatrics Ambulatory Care Clinical Rotation.
2007-present - *Polypharmacy*
2009-present - *Osteoporosis Medications in the Elderly*
2010-present - *Dangerous Drugs in the Elderly*

2011-present-The Role of Geriatric Pharmacists

Ohio Northern College of Pharmacy Student Preceptor

2009-present Instructor, Community Faculty. Geriatrics Ambulatory Care Clinical Rotation

ULH PGY2 Ambulatory Care Pharmacy Residency Preceptor

2013-present Geriatrics Rotation and Residency Committee and rotation preceptor.

2016 Family Medicine PGY2 Ambulatory Care Pharmacy Resident Research Project Preceptor.

ULH PGY2 Internal Medicine Residency Preceptor and Longitudinal Geri Preceptor

2016 Yearlong geriatrics rotation for University of Louisville Hospital internal medicine clinical pharmacy PGY2 resident. (this position is funded through a HRSA grant that I am part of centering on geri education for interdisciplinary learners)

Research Project Preceptor

2016 Established PGY2 Ambulatory Care Pharmacist presence in the U of L Family Medicine Clinics. Patient Center Medical Home building. We are going to study the impact of PharmD PGY learners in a medical resident and faculty PCP practice.

Geriatric Pharmacy Fellowship

2012-2014 Program Director and preceptor- program unfunded after 2014

International Exchange Preceptor

2013 Pharmacy student from London, England (King's College)-to do geri pharm rotations for summer.

2014 Pharmacy student from Groningen, Netherlands- to do geri pharm rotations for summer.

Residents University of Louisville Family Medicine

2007-2008 Lecturer, Core Conference, multiple sessions, *Polypharmacy Psychotropic Medications in Primary Care*
2007-2008 Tele Health series with Trover Clinic and other Ohio Valley Appalachia Regional Geriatric Education Center (OVAR GEC) sites, *Polypharmacy*
2007-pesent *Obesity Medications* and Obesity Management in Primary Care Training Module
2009-present *Osteoporosis Treatment in the Elderly* -every other year
2009-present *Management of Obesity in Primary Care*, a three-part (3 hour) interdisciplinary approach with dieticians and Sports Medicine learners, part of *Medication, Nutrition and Exercise* module.
2009 *Medication Dosing in the Elderly: PK and PD Considerations*

2010 –present *Dangerous Drugs in the Elderly* -every other year
2011 –present *Incontinence Medications* –every other year
2012-present Managing Polypharmacy in the 15-minute primary care visit
2007-present Case Morbidity and Mortality Presentations (faculty)
2014-present Review of Prescription Writing (including compounded scripts)

University of Louisville Geriatric Medicine Didactics for Fellows, Residents, students
2007-present *Vitamins and Supplements*
2007-present *Polypharmacy*
2008-present *Sleep Aids in the Elderly*
2009-present *Osteoporosis Treatment in the Elderly*
2009-present *Incontinence Medications*
2009 *CMS Guidance in Nursing Homes on Psychotropic Medications*
2010-present *Dangerous Drugs in the Elderly*
2013 *Parkinson's Disease Medications*
2013 *Diuretic Use in the Elderly*
2013 *Dementia Drug Update*
2013-present *Hot Topics (update JNC8, lipid guidelines, whatever is new each month)*
2014 *Food-Drug Interactions*
2014-present *Renal Dose Adjustments*
2014-present *Overactive Bladder Medications*
2015-present *Altered Dosage Forms*
2016-present *Psychoactive Drugs in Older Adults*
2017-present *The Downside of Analgesia*

University of Louisville Internal Medicine Geriatric Conference (grand rounds)
2007 Didactics and board style question and answer based on geriatric syndromes (3 hours)
2012 Polypharmacy –Grand Rounds
2017 Polypharmacy- Managing Polypharmacy in the 15 Minute Office Visit-didactics

University of Louisville Family and Geriatric Medicine Ground Rounds
2007 *Antipsychotics*
2009 *Management of Obesity in Primary Care: An Interdisciplinary Approach*, presented with nutritionist faculty
2009 *Osteoporosis Treatment in the Elderly*
2010 *Dangerous Drugs in the Elderly*
2011 *Recognizing Polypharmacy in the 15 Minute Office Visit*
2011 *Alternative Dosing Forms: The World of Compounded Medications*
2011 *The STOPP & START "Criteria": Evolving Guidance on Medication Management in Frail Elders*
2014 Management of Polypharmacy in the 15 minute Office Visit
2016 Asthma in the Elderly: Year 2 of our 5 year NIH study

University of Louisville Audiology Grand Rounds: Polypharmacy (Sept. 2016)

University of Louisville Neurology Grand Rounds
2010 *Dangerous Drugs in the Elderly*
2012 Drug Induced Neurological Disorders

University of Louisville Faculty Development

2007	*Obesity Medications*
2007	*Herbals and Supplements*
2008	*Medication Safety*
2008	*Psychotropics in Primary Care*

Other

2007-present	Resident Rotations on Geriatric Pharmacotherapy: Family Medicine Residents, PGY2 Oncology Pharmacy Residents (Brown Cancer Center), Pharmacy Clerkship (Purdue, Ohio Northern, University of Chicago, University of Kentucky, Butler).
2008	Consultant, University of Louisville Pharmacology Department, Statins and Cognitive Impairment, investigation of mechanisms behind the observed toxicity seen in case reports pertaining to statin use.
2009-present	Annual Kent School of Social Work Lecture, *Polypharmacy in the Elderly*
2009	Fairdale Health Fair Sponsored by GLMS: Medication Safety, Sept.
2011	Bellarmine University Physical Therapy School, developed education on medication that affects rehab (physically and mentally).
2011	Louisville Seminary, education for pastoral care students on medication management
2011-present	AARP Kentucky Speaker/Spokesperson for Medication Topics
2012	University of Louisville School of Nursing Advanced Nurse Practioner Geriatrics Track: Gave my material for: Geriatric Pharmacology for GNP core material and learning activities.
2015-present	Geriatric Workforce and Education Program (GWEP)- Interdisciplinary training sessions, development of pharmacology and medication management material for IDT learners. Weekly Case Conference with area social work team.

CLINICAL ACTIVITIES - UNIVERSITY OF LOUISVILLE

Patient Care

Geriatric Hospital Service

- Daily consult for medication management of hospitalized geriatric patients on our service.
- Round with medical, pharmacy, and nurse practitioners students
- Nursing Home Rounds
- On call for all nursing home services
- Treyton Oaks: Drug Utilization Review, Facility Pharmaceutical Care Assessment, Adherence to CMS guidance assessment, round with fellows.
- Sacred Heart: Nursing home didactics, palliative care meetings, and Resident/Fellows Rounds
- Nurse Practitioner consults per request
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Ambulatory Care Clinics

Geriatrics

- Weekly Polypharmacy Referral Clinic
- Member of interdisciplinary Geriatric Evaluation Team (GET), 3 weeks per month (weekly)
- Full time PharmD medication consult service for Ambulatory Care Clinics (PharmD 4th year precepting additionally)
- Medication use consult service Family Medicine and Geriatrics
- Drug Storage
- Training of Medical Assistants
- Audits
- Clinical Affairs Committee, Dept. Family and Geriatric Medicine

- MTM Clinic at Cardinal Station: Medication therapy management clinic held weekly for physician or patient referral pertaining to polypharmacy and medication related problems. Fee for service or Medicare.
  Consultation services regarding medication therapy consults in Geriatrics and Family Medicine.

EXTRAMURAL FUNDING: POLYPHARMACY INITIATIVE AND ENDOWED PROGRAM

2007 Recruited from Honolulu to lead the University of Louisville Polypharmacy Initiative. A philanthropist had gifted money to the U of L Dept. of Family and Geriatrics to work on the problem of polypharmacy. My work initially consisted of designing and strategic planning of this program. The mission statement which I developed: "U of L Polypharmacy Initiative is dedicated to Education, Research, and Outreach to fight the problems of polypharmacy."

2015 The polypharmacy initiative became an endowed program now named: "The Frazier Polypharmacy and Medication Management Program" which I am the lead of and we have moved the program to the Dept. of Pharmacology and Toxicology to interact with an increased amount of new learners. The experience of the first few years while in a clinical department informed us that there needs to be improved education at the new professional level in an effort to provide strong medication management skills ranging from drug mechanistic consideration to patient and health system factors, and this is best accomplished through a basic science department.
The program still maintains a strong post grad learner element through a busy clinical service as well as involvement in CME, CPE, CNE and other outreach programs.

GRANTS AND CONTRACTS

Past Grants

2008 Training family medicine residents to apply systems-based competencies to the underlying interaction between patients' medical and behavioral health conditions. Health Resources and Services Administration. D58HP03197/ OGMB070900A. $246,272.25 ($228,029.89 direct and $18,242.36 indirect). Key personnel, 3% effort, 0% collaboration. Michael Ostapchuk, PI. 7/1/08 – 6/30/09.

2013 Coulter Grant for Technology in Medicine. Seed funding to build a minimum viable product (prototype). Coulter is a bioengineering grant dedicated to pairing with medical faculty to create translational technology. With co-PI who is a bioengineer (computer programmer). Funding Nov 2013-April 2014 $38,000.

2014 Coulter Grant for Technology in Medicine- co PI with Dr. Hermann Frieboes: Virtual Dementia Manager
Tech Platform 2014-2015 ($107,000).

2015-2018 HRSA GWEP (Geriatric Workforce Educational Program). $780,000 over 3 years Development of Geriatrics Interdisciplinary Training didactics and live training for primary care in rural healthcare settings. Inclusive of Dementia training. Key Personnel. Medication use and management.

Current Grants

2015-present Asthma in Older Adults: Identifying Phenotypes and Factors Impacting Outcomes (NIH RO1-1R01AG047297-01A1). $2.31 Million over 5 years to explore longitudinally the effects of environment, residence type, phenotypes, self-efficacy (medications use), and other individual factors to predict asthma quality of life in older adults.

2015-2017 Administrative Supplement: Examination of bioactive lipids to assess racial differences in redox imbalance in older adults with asthma. ($84,525)

2016-2017 Administrative Supplement: Strength of Specific Medication Literacy and Clinical Correlates in Low Income Older Adults with Asthma. ($69,220)

2012-present KIPDA MTM Clinical Consult Grant. KIPDA is our area agency on aging and they have provided now the second year of funding for MTM visits in our clinic provided by our PharmD team. This allows elders over 60 years of age to make appointments for medication management consults with costs covered by this grant. Past year's funding was $2400 in FY 2012m 2013 $4500, 2014 $3950, 2015 $3950, 2016 $3950, 2017 $3950.

2017-present NSF Aware Access Seed Funding Program. NSF reference # 1639609 $4,000.

2017-present NSF iCORE Award ($2500). NSF reference # 1450370

2019-present NIH ExCITE Award ($25,000 Aug 1, 2019 +$25,000 Nov 1, 2019)

Grant Applications submitted

2012 PCORI Grant, Intervention for caregivers of persons with dementia (submitted Dec 2012)

2013 HRSA Grant-12-166. Comprehensive Telehealth Palliative Care Program (submitted sub Feb 2013)

2013 PCORI Grant-PI, Peer to peer intervention to improve DM self-management and outcomes. (Submitted April 2013)

2016 RRF (Retirement Research Foundation) Process Based Medication Management Education for Three Categories of Stake Holders. (Early resubmission invited-high score)

2018 SBIR NSF Virtual Dementia Manager Technology. Submitted July 10, 2018- Oct 2018. Scored but not funded. Feedback utilized for NIH SBIR.

2019 NIA, NIH-SBIR Virtual Dementia Manager Technology. Submitted March 16, 2019. PENDING.

Research

2010-2011: University of Louisville Hospital Delirium Study, a retrospective audit of charts (N=450) to determine which patients is at highest risk for delirium. Goal: to develop a delirium protocol to decrease length of stay and incidence of delirium at University of Louisville Hospital (podium presentation 2011 Great Lakes Pharmacy Residency Conference).

2011-2012: University of Louisville Hospital STOPP criteria study. Intervention to assess acceptance of STOPP criteria recommendations across various hospital services (neurology, family medicine, cardiology, internal medicine, and orthopedics) (podium presentation 2012 Great Lakes Pharmacy Residency Conference)

2013-2014: University of Louisville Geriatric Outpatient Clinic and Family Medicine Clinic: Appropriate Renal Dose Adjustment Rate amongst Prescribers. (Poster Presentation at ASHP Mid-Year Meeting, Dec 2014, Anaheim, Ca)

2014: University of Louisville Geriatric Outpatient Clinic and Family Medicine Clinic: EHR Medication Reconciliation versus Face to Face Med Rec. (Poster Presentation at ASHP Mid-Year Meeting, Dec 2014, Anaheim, Ca)

2015: University of Louisville Geriatric Outpatient Clinic and Family Medicine Clinic: Survey of Beta Blocker Use in the Elderly. (Poster Presentation at ASHP Mid-Year Meeting, Dec 2015, New Orleans, LA)

2015: University of Louisville Geriatric Outpatient Clinic and Family Medicine Clinic: Medication Use Monitoring. (Poster Presentation at ASHP Mid-Year Meeting, Dec 2015, New Orleans, LA 2015)

2015-present: Asthma in Older Adults: Identifying Phenotypes and Factors (Various abstracts: American Thoracic Society 2016, Research Louisville, Optimal Aging Conference Louisville)

2016 Geriatric Workforce Education Program: educational outcomes; developed case-based vignettes for GWEP grant for Institute of Sustainable Aging.

2016 Anticoagulation Appropriateness in Older Adults. Benjamin Yu, PharmD (PGY2 Am Care Resident U of L)

2016 Current Diuretic Monitoring Practices and ADEs in Older Adult Ambulatory Care Patients. Emily Doss, PharmD (PGY2 IM Resident U of L)

2016 Tamoxifen pharmacovigilance. NIH Summer Cancer Program (2 R25 CA134283-). Poster presented July 2016 abstract submitted for Research Louisville.

2017 Are Protocols for Medication Holds Sufficient for Older Adults with Asthma? (Antimisiaris, Polivka, Folz, Myers, Gopalraj, Jorayeva) Presented at IAGG World Congress (International Association of Gerontology and Geriatrics San Francisco, Ca 2017)

2017 Strength of specific medication literacy and clinical correlates in older adults with asthma. American Society of Health System Pharmacists Conference, Orlando, FL. Antimisiaris, D., Kreft K, Polivka, B., Folz, R., Jorayeva, A. (Nov. 2017)

2017: Machine learning to enhance Pharmacovigilance: can we predict Tamoxifen use adverse event risk? Poster presented August 2017; presented at Research Louisville.

2018: Impact of Polypharmacy on Methylcholine Pulmonary Testing. Antimisiaris D, Ingraham I, Folz R, Polivka B.

2019: Pilot- MACRA and MIPS billing. Quality measures through medication management. Antimisiaris D, Riley E, Brenske A.

2019- Colonoscopy Prep Failure: What is the Role of Polypharmacy? Antimisiaris D, Followell E.

Patents

U.S. Provisional Patent Application; Serial No. 62/115,280; DISEASE MANAGEMENT PLATFORM AND METHOD FOR PROVIDING PATIENTS AND CAREGIVERS WITH INFORMATION NECESSARY IN THE TREATMENT OF DEMENTIA

EDITORIAL WORK

Peer Review

1. 2008 - *Effect of a risk-based multifactorial fall prevention program on the incidence of falls*, JAGS-0205-CI- R2, Feb.
2. 2010 - Gerontological Society of America, 63rd Annual Scientific Meeting, *Transitions of Care Across the Aging Continuum*, three abstracts reviewed
3. 2010 - *Anti-cholinergic Burden in Community-Dwelling Patients Taking Dementia Medications*, Shelton et al. [paper #052010-002] ASCP annual scientific meeting.
4. 2010 - Journal of American Geriatric Society (JAGS), 0614- Cl, *Dementia Medications and Risk of Falls and Fall-Related Adverse Events Meta-Analysis of Randomized Controlled Trials*, referee, Sep.
5. 2011-present- Editorial Board of *The Consultant Pharmacist*, a peer reviewed Journal of the American Society of Consultant Pharmacists.
6. 2011 - Mayo Clinic Proceedings manuscript #2011-0119. *Vitamin D: Levels in Oncology Patients Compared to Primary Care Patients and Association with Specific Diagnosis*, Mar.
7. 2011 - GSA 64th Annual Scientific Meeting, *Lifestyle & Lifespan*, ten abstracts reviewed.
8. 2011 - JAGS-0520-CI, *Prevalence of Unplanned Hospitalizations Caused by Adverse Reactions Among Older Veterans*, referee, May.
9. 2011- AJGP (American Journal of Pharmacotherapy), *Medication management for Medicare beneficiaries: Qualitative findings from patients and physicians*, Article Type: Original Research, Ref: AJGP-D-11-00016R2
10. 2012-AJGP (Am. Journal of Geriatric Pharmacotherapy) manuscript #AJGP-D-12-00040. The effect of statins on acute and long-term outcome after ischemic stroke in the elderly.
11. 2012-Consultant Pharmacist. "Medication-related problems identified in medicines reviews conducted in an Australian rural setting." [Paper #0512-0015]
12. 2012-Journal of Family Practice. "Polypharmacy in Older Adults: How Much is Too Much?" Manuscript ID JFP-2012-05-0040.
13. 2012-Consultant Pharmacist. “"Geriatric Care Coordination: Comparing the U.S., the U.K. and Japan" [Paper #1012-0038].
14. 2013-Medical Care. “Patient Understanding of Drug Risks: A Systematic Review of Medication Guide Assessments. [MDC-D-13-00854]
15. 2013-Consultant Pharmacist. “"Prevention and Treatment of Age-Related Macular Degeneration: an Update for Pharmacists" [Paper #1112-0050].

16. 2013-Consultant Pharmacist. “Antidepressants for Depression in Patients with Dementia: A Review of the Literature” [Paper # 0713-0034R].
17. 2014- Age and Ageing. “The Nursing Home Criteria. A Web-Based Modified Delphi Process for Developing Explicit Criteria for Inappropriate Medication Use in Nursing Home Residents” [manuscript # AA-14-0236]
18. 2014-JAPhA. “Impact of a Medication Therapy Management Intervention Targeting Medications Associated with Falling: Results of a Pilot Study". [Manuscript #14-183].
19. 2014-JAlzD. "Antidementia drug treatment in people screened positive for dementia in primary care" [Manuscript #14-2064]
20. 2014-Consultant Pharmacist. “Is it Time to Call it Quits on Low-dose Quetiapine?” [Manuscript No. _1014-0039]
21. 2015 JAPhA-Manuscript ID 14-268 entitled "Potential Drug-Drug and Drug-Disease Interactions in Well-Functioning Community Dwelling Older Adults."
22. 2015 Editorial Board, Journal of Medical Education and Curricular Development.
23. 2015 Consultant Pharmacist. “Approaches to Gradual Dose Reduction of Chronic Off Label Antipsychotics Used for Behavioral and Psychological Symptoms of Dementia: a narrative review and pharmacokinetic based proposal. [manuscript # 0515-0018].
24. 2015 Consultant Pharmacist. "Validating the Medication Risk Questionnaire with family caregivers of older adults" [Paper #1215-0055]
25. JFP (Journal of Family Practice) 2015. "Medical Use of Marijuana in Practice”. # JFP-2015-11-0125
26. 2016- Consultant Pharmacist: 0516-0029 “Possible Parkinson’s Disease Induced by Chronic Maganese Supplement Ingestion”.
27. 2016-Consultant Pharmacist: 1216-0081 “Characteristics of those older adults who consume alcohol while on antidepressants: critical counseling”
28. 2016-Consultant Pharmacist: 1215-0055 “Validating the medication risk questionnaire with family caregivers of older adults”
29. Primary Care Clinics in Office Practice-Geriatrics; editor (2016-17)
30. Power Pak: “How Specialty Pharmacists Can Enhance Patient-Care in Multiple Sclerosis” Webinar and Online CE Modules. Peer Review- December 2017

ABSTRACTS AND PRESENTATIONS (Extramural CME, conferences, and community audiences)
Oral Presentations

1. 2007, 2008 – *Osteoporosis*, University of Kentucky College of Pharmacy Annual CE
2. 2007, 2008 - *Urinary Incontinence Medications*, University of Kentucky College of Pharmacy Annual CE
3. 2008 – *Osteoporosis,* Jefferson County Association of Pharmacists (JCAP) Annual Meeting
4. 2008 – *Polypharmacy,* JCAP annual meeting
5. 2008 – *Polypharmacy,* Kentucky Pharmacists Association (KPhA)
6. 2007, 2008 – *Polypharmacy*, University of Kentucky College of Pharmacy Annual CE Antipsychotics:
    a. University of Kentucky College of Pharmacy Annual CE 2007, 2008
    b. University of Louisville Department of Pharmacy CE 2007, 2008
7. 2008 - *Geriatric Pharmacokinetics and Pharmacodynamics: a prescribing crisis*, University of Kentucky College of Pharmacy Annual CE
8. 2007 - Louisville Rotary Club: *Polypharmacy*
9. 2007, 2008, 2009,2010 - Kentucky Alzheimer’s Association: Medication Management in Dementia
10. 2008 - Elderserve (community organization) CE for social workers whose primarily activity is home visitation to help with medication assessment skills

11. 2008, 2009 - University of Louisville Speaker's Bureau, California Square elder living complex, *Medication Management for Chronically Ill Independent Living Residents*
12. 2008 – *Polypharmacy*, Mercy Health Partners Tele-CE Program, November
13. 2008 – *Polypharmacy*, Family Health Centers of Louisville, CE September
14. 2008 - University of Louisville Dept. of Family Medicine, 29th Annual Primary Care Conference
    a. *Restless Leg Syndrome*
    b. *Polypharmacy*
15. 2008 - *Iatrogenic Delirium in geriatric ICU patients*, Norton Hospital, Mar.
    a. P & T Committee
    b. Pharmacy Department
    c. Nursing Department
16. 2008, 2009 - *Medication Management*, Sacred Heart Village Assisted Living, May
17. 2009 - Rho Chi Honor Society, University of Cincinnati College of Pharmacy, induction banquet speaker Feb
18. 2009 - Schnitzelburg Senior Wellness Center, ongoing sessions on medications and falls, May
19. 2009 - Eleventh Annual University of Louisville Geriatrics Symposium, *OTCs: What's Out There? Risks and Benefits*, Apr.
20. Christian Health Care Centers Tele-CE,Train the Trainers, *Geriatric Syndromes*
21. 2009 - Kroger Southeastern Regional Pharmacy CE Conference, *Polypharmacy*, Indiana, Aug
22. 2009 - Kentucky Association of Homes and Services for the Aged Annual Conference, *Polypharmacy: The Silent Geriatric Syndrome*, Oct
23. 2009 - Statewide Alzheimer's Association Conference, Kentucky, *Medication Management in Early Stage Dementia: Information for Patients and Caregivers*, Nov
24. University of Louisville Sports Medicine around the Horn CME Series, *Sports Supplements*
25. 2010 - Tenth Annual Geriatrics Healthcare Symposium, *F-tags and Psychotropic Drug Use: An Update*, Apr
26. 2007-2011 -Kent School of Social Work Graduate Gerontology Lecture Series, *Polypharmacy*
27. 2010 - VAMC Louisville Dept. of Psychiatry Grand Rounds, *Dangerous Drugs in the Elderly*, Apr
28. 2010 - Mini Medical School CME Lecture Series, *Osteoporosis Treatment in the Elderly*, Apr
29. 2010 - Neurology Grand Rounds, Dangerous Drugs in the Elderly, May
30. 2010 - Kentucky Geriatric Society Annual Meeting, Sept., *Geriatric Medication Update*
31. 2010 - Collaborative Family Healthcare Association Annual Meeting, Oct., Louisville, KY, *Polypharmacy: An Invisible Epidemic and the Power of the Interdisciplinary Teams in Fighting Dangerous Medicine*. .
32. 2010 - Association of Rehabilitation Nurses Annual Conference Oct Orlando, FL. Panel Presentation and Discussion, *The Art of Using Science to Address Common Geriatric Syndromes: Polypharmacy, Delirium and Cognitive Impairment*
33. 2010 - Association of Rehabilitation Nurses Annual Conference Oct Orlando, FL. Concurrent Session, *Polypharmacy: The Silent Syndrome, What Health Care Providers Need to Know*
34. 2010 - Family Medicine Core Conference, *Osteoporosis Treatment in the Elderly: A Review and Update on New Therapies*,Oct
35. *2010 - KY State Health and Welfare Committee, *Polypharmacy: the silent epidemic*. Oct, Invited presenters from University of Louisville Faculty: President Ramsey, Dr. Richard Goldstein, Graham Cancer Center.
36. 2011 - University of Louisville Weekend College, Jan 2011, Naples, FL, *Polypharmacy, the Silent Epidemic: What You Need to Know*
37. 2011 - Workshop for Professionals and Partnering Agencies, *The Different Faces of Substance Abuse*, Jan, Lexington Health Extension through Extension Leadership
38. 2010 - *Polypharmacy & Elders*: Lecture for University of Kentucky Gerontology Dept. (Per grant training agreement-Dr. Faika Zanjani) Dec

39. 2011 - Family Medicine Grand Rounds Jan, *Recognizing and Addressing Polypharmacy*
40. 2011 - Louisville Seminary, *Polypharmacy: what clinicians need to know*, Jan
41. 2011 -Rotary Club, *Polypharmacy: The Silent Epidemic,* Feb
42. 2011 - Twelfth Annual U of L Geriatrics Symposium, *Self-Inflicted Wounds; Problems with medication administration,* Apr
43. 2011 - NADDI –National Association of Drug Diversion Investigators, 3rd annual regional conference, *Polypharmacy: the silent syndrome*, Hyatt Regency, Louisville, KY. June 3,
44. 2011 - Hematology/Oncology Pharmacist Association National Conference, *Medication Management in Elders with Cancer*, Expert Panel, Salt Lake City Utah, March 2011.
45. 2011 - JCAP Annual CE program (Jefferson County Academy of Pharmacy), *Polypharmacy: The Silent Syndrome: Dangerous Drugs in the Elderly*, May 15,
46. 2011 - Louisville Downtown Rotary, *Polypharmacy the Silent Syndrome*, June
47. 2011 - AARP Regional Annual Conference: A Day of Health, Jun, *Polypharmacy, the Silent Syndrome*
48. 2011 - Kentucky School of Alcohol & Other Drug Studies: Workshop on polypharmacy and substance abuse, *Polypharmacy, the Elephant in the Room*, Northern Kentucky University July
49. 2011-NHHCA Annual Convention and Trade Show. *Polypharmacy, the Silent Syndrome; what healthcare providers need to know.* Manchester, NH. Sept 14, 2011.
50. 2011-U of L School of Medicine and Nursing, and KY and ID Alzheimer's Association "The Journey: Alzheimer's disease and Caregiving". Polypharmacy presented at this all-day regional conference aimed at interested caregivers and individuals at large. Sept 2011.
51. 2011 - Association of Rehabilitation Nurses Annual Conference (Las Vegas NV), *Medication Management Workshop: optimizing outcomes and preventing medication related harm*, (a 4 hour pre-conference session) Nov 3, 2011
52. 2011 - Association of Rehabilitation Nurses Annual Conference, Las Vegas, NV. *Polypharmacy: The Risks and Benefits of Multiple Medication Use*, Main Session Presentation, Nov 4, 2011.
53. 2011- National Drug Diversion Investigators Annual Conference, Jacksonville, FL. "CLUELESS": A Discussion about Random Medication Abuse, Physiological Effects and Poor Outcomes. Nov 2011
54. 2011-National Drug Diversion Investigators Annual Conference, Jacksonville, FL. "Substance Abuse in Our Elders: Are We Ready for the Boomers?" Nov 2011.
55. 2012-The Faces of Substance Abuse. Keynote Speaker. Polypharmacy. Lexington, KY, Jan 18th
56. 2012 - CAPTASA: Clinical Applications of the Principles in Treatment of Addictions and Substance Abuse 11th Annual Conference, *Substance Abuse in the Elderly*, Jan 27
57. 2012-Kentucky Telehealth Network-Alzheimer's Association "Medication Use and Misuse"
58. 2012-APhA Annual Meeting& Exposition, "Pharmacists and the Golden Years: Caring for Senior Patients", March 12, 2012, New Orleans, LA.
59. 2012-Prescription Drug Summit, Grayson, KY. "Substance Abuse in the Elderly".
60. 2012- Great Lakes Pharmacy Residency Conference: "Implementation of Pharmacist Geriatric De-Prescribing" Sponsored by Purdue University.
61. 2012-KPhA Annual Meeting: Key note speaker. "Concepts in Geriatric MTM: individualization and more individualization", Marriott Griffin gate, Lexington, KY.
62. 2012-Kentucky School of Substance Abuse Annual Conference: "Polypharmacy" Plenary Session
63. 2012- Kentucky School of Substance Abuse Annual Conference: "Substance Abuse in the Elderly"
64. 2012-New Hampshire Health Care Association Annual Conference: "Polypharmacy" workshop
65. 2012-Health South Rehabilitation Hospital- "Polypharmacy: What Healthcare Providers Need to Know.", Elizabethtown, KY.
66. 2012-New Hampshire Association of Residential Care Homes- "Polypharmacy: What Healthcare Providers Need to Know.", Concord, NH.
67. 2012-Joint Forces Health Care Professionals Annual Conference-"MTM-CTP (Medication Therapy Management Certification Training Program), San Diego, CA.

68. 2013-MTM-CTP (Medication Therapy Management Certification Training Program) at ETSU (Eastern Tennessee State University, Johnson City, TN.
69. 2013-MTM-CTP (Medication Therapy Management Certification Training Program) at the American Pharmacist Association (APhA) Annual Scientific Meeting, Los Angeles, CA.
70. 2013- "Geriatric Update" at the American Pharmacist Association (APhA) Annual Scientific Meeting, Los Angeles, CA. Video CE of live session posted on APhA site for online CE offering.
71. 2013- "Managing Medications to Improve the Quality of Life for Patients with Alzheimer's Disease and Parkinson's Disease" at the American Pharmacist Association (APhA) Annual Scientific Meeting, Los Angeles, CA.
72. 2013-KYASCP Annual Conference and CME Meeting. "MTM in the Geriatric Patient".
73. 2013-The Kentucky School of Alcohol and Other Drug Studies. Pharmacology of Substance Abuse Workshop. (6 hour workshop). Louisville Airport Crown Plaza Hotel and Conference Center.
74. 2013-Rivendale Hospital. "Dementia Training" CE for nurses and caregivers. Corvette Museum.
75. Harrison Memorial Hospital Women's Health Seminar Series. "Polypharmacy the Silent Syndrome" Cynthiana, KY.
76. Anderson County UK Extension: "Sleep Medications and improving sleep". Lawrenceburg, KY.
77. 2013-Leading Age Kentucky Annual Conference, Louisville Convention Center. Panel: KERI ON. Kentucky Elder Readiness Initiative Operation NOW.
78. 2013-MTM-CTP (Medication Therapy Management Certification Training Program) at the Joint Armed Forces Health Care Providers Annual Meeting, Orlando, FL.
79. 2013-New Hampshire Association of Residential Care Homes Annual Conference. "Medication Management: What Caregivers Need to Know". Concord, NH.
80. 2013-Magnolia Springs Assisted Living Communities: "Polypharmacy, the Silent Syndrome"
81. 2013-Arden Courts Dementia Care: "Medications and Brain Health" CE training for caregivers for PWD.
82. 2013-MTM-CTP (Medication Therapy Management Certification Training Program-Train the Trainer) at the Kroger Annual Pharmacy Training Meeting, Seattle, WA.
83. 2014-U of L School of Dentistry Geriatric Dentistry Course. " Polypharmacy: What Health Care Providers Need to Know". (Also, online follow up modules on dental pharm topics as well as patient interview exercise for final exam). January 2014.
84. 2014- Save the Kids Annual Bowling Green Conference (WKU). "Polypharmacy: Benefits and Risks of Multiple Medication Use". March 2014.
85. 2014-KPhA Annual Meeting June 7, 2014 Griffingate Marriott, Lexington, KY. MTM in the Elderly. CRIT Grant Training Workshop for Chief Residents. ADGAP Grant, "CRIT" Chief Resident Immersion Training in the Care of Older Adults Grant.
86. 2014-OVAR GEC [Ohio Valley Geriatric Evaluation Center]. Grant to produce CME session for physicians allied health professionals regarding dementia. Lunch and Learn at Kornhauser Library Auditorium. "Interdisciplinary Assessment of Dementia"
87. 2014-MTM-CTP (Medication Therapy Management Certification Training Program): Amerisource Bergen Thought Spot Conference, Las Vegas, NV. MGM Grand Conference Center July 2014.
88. 2014-MTM-CTP (Medication Therapy Management Certification Training Program): University of the Pacific, Stockton CA. & Train the Trainer MTM CTP. July 2014.
89. 2014-MTM-CTP (Medication Therapy Management Certification Training Program) Sanofi Aventis, Corporate Headquarters, NJ. Aug 2014.
90. 2014-Grand Rounds (Family Medicine and Geriatrics): "Medication Management in the 15 Minute Office Visit". August 2014.
91. Dinner with Dr. Dee: Polypharmacy, the Silent Epidemic. Sunrise Assisted Living, Prospect, KY. Aug 2014
92. Shawnee Library: Mind, Body, Spirit. Public Health Event at Shawnee Library. Medication Safety: raise awareness, empower yourself! Aug. 2014.

93. KY Psychologist Association Annual Meeting. Polypharmacy: What Providers Need to Know? August 2014
94. 14th Annual Geriatrics Symposium. "Medication Risk Management in Patients with Alzheimer's Dementia" Seelbach Hilton, Sept. 201.
95. Bright Star CME: Medication Management in the 15 Minute Office Visit October 2014 Louisville, KY
96. 2014-MTM-CTP (Medication Therapy Management Certification Training Program): JFPS (Joint Forces Pharmacist Seminar), National Harbor, MD. (Gaylord DC). October 2014.
97. AMDA (2015 annual conference): Dementia, Dysphagia and Avoiding Disaster: Considerations of Altered Medication Administration. March 2015
98. Annual Geriatrics Symposium, University of Louisville. Antipsychotic Agents. Sept 2015.
99. ASCP 2015 (annual conference): Renal Dose Adjustments: the Checklist Effect. Oct 2015.
100. ASCP 2015 (annual conference): Precepting 101. Oct 2015
101. CRIT: (2016) Chief Resident Immersion Training: U of L Institute of Sustainable Health and Optimal Aging. French Lick, Indiana. CRIT resident research project (action project) mentor.
102. UCLA 33rd Annual Geriatrics Board Review: BCGP (Board Certified Geriatric Pharmacist) Board Review. Sept. 2016. Beverly Hills, Ca.
103. UCLA 33rd Annual Geriatrics Board Review: "Geriatric Pharmacotherapy Pearls" Sept. 2016. Beverly Hills, Ca.
104. American Society of Consultant Pharmacists Annual Meeting 2016: "Just the Drugs: Psychoactive Medications". BCGP session. Dallas, Tx. Nov. 2016.
105. 2017 Optimal Aging Conference, Louisville, KY: Workshop- Polypharmacy. (June 2017-Gualt House Hotel)
106. 2017 Optimal Aging Conference, Louisville, KY. Asthma in Older Adults. (June 2017- Gault House Hotel)
107. 2017 KY School of Addiction and Substance Abuse. Workshop- Psychoactive medications and their role in additions and substance abuse. 6-hour workshop. (July 2017, Crown Plaza Hotel Louisville.)
108. 2017-State of Kentucky Mental Health and Aging Coalition Summit. Plenary Session- "Pharmacological Interventions and Mental Health in Older Adults".
109. UCLA 34th Annual Geriatrics Board Review: BCGP (Board Certified Geriatric Pharmacist) Board Review. Sept. 2017.
110. UCLA 34th Annual Geriatrics Board Review: "Geriatric Pharmacotherapy Pearls" Sept. 2017
111. ULCA 34th Annual Geriatrics Board Review: "Case Studies in Geriatric Pharmacotherapy" Sept 2017
112. 2017-Am. Society of Consultant Pharmacist Annual Meeting 2017. "The Downside of Analgesia" [Christopher Alderman PhD, University of South Autstralia & Demetra Antimisiaris, PharmD U of Louisville]. Orlando, Florida (Nov 2017)
113. 2018- Visiting Scholar- Providence Health System and Eastern Washington University: Alzheimer's Collaborative. March 2018, Spokane, WA. Grand Rounds (hospitalists), Dinner CME (tristate telehealth network broadcast), Washington State University College of Pharmacy Seminar, Alzheimer's Caregiver Training. Topics: Brain Health- medication harm; Polypharmacy; Medication Management and Transitions of Care; Geriatric Pharmacotherapy.
114. Owensboro Health System: Focus on Geriatrics. Two workshops on Polypharmacy and Medication Management. June 6, 2018 Owensboro, Ky.
115. 2018 KY School of Addiction and Substance Abuse. Workshop- Psychoactive medications and their role in additions and substance abuse. 6-hour workshop. (July 2017, Crown Plaza Hotel Louisville.)

115a. 2018 KY School of Addiction and Substance Abuse. "Substance Use in Older Adults". Presented with Terry Bunn, PhD (Director, KY Injury Prevention and Research Center). 3 hour session (July 2018, Crown Plaza Hotel, Louisville.)

116. *Kreft, K. Antimisiaris, D., Polivka, B., Folz, R., Jorayeva, A. (2018 March). Strength of specific medication literacy in older adults with asthma. Great Lakes Regional Pharmacy Conference, held at Purdue University IN. Podium Presentation.
117. UCLA 35th Annual Geriatrics Board Review: BCGP (Board Certified Geriatric Pharmacist) Board Review. Sept. 2018.
118. UCLA 35th Annual Geriatrics Board Review: "Geriatric Pharmacotherapy Pearls" Sept. 2018
119. ULCA 35th Annual Geriatrics Board Review: "Case Studies in Geriatric Pharmacotherapy" Sept 2018
120. KSHP Fall Meeting. Case Studies in Geriatric Pharmacotherapy. Sept. 2018. Holiday Inn, Louisville, KY.
121. American Society of Consultant Pharmacists (ASCP) Annual Meeting 2018 (National Harbor, MD). "Win-Win Precepting". 1 hr CPE Antimisiaris D, Niehoff K.
122. American Society of Consultant Pharmacists (ASCP) Annual Meeting 2018 (National Harbor, MD). " Geriatric Clinical Pearls". 1 hr CPE Antimisiaris D, Pogge E, Lacey S.
123. ASCP Board Certified Geriatric Pharmacist Boot Camp 2019. "Psychiatric Disorders in the Older Adult" Seattle, WA. March 2019.
124. ASCP Board Certified Geriatric Pharmacist Boot Camp 2019. "Neurologic Disorders in the Older Adult" Seattle, WA. March 2019.
125. What's Next Boomer Summit- American Society of Aging. "Wellness Boomer Style- Are we ready?" Panel presentation: Tony Brosky PhD (Dean, Bellarmine University PT), Sheri Rose MS (CEO Thrive Center, Louisville), Ernie Ianace CEO, Vital Tech Inc. New Orleans, LA. April 2019.
126. American Geriatrics Society (AGS) Annual Meeting 2019. "Practical and Efficient Approaches for Optimizing Medications and Deprescribing: An Inter professional Clinical Skills Workshop." Granville, Tan, Wallhagen, Antimisiaris, Atkinson, Jeffery, Cacchione, Brennan, Resnick, Leigh, Gencarelli. May 2019, Portland, Oregon.
127. 2019 Ky School of Addiction and Substance Abuse. "Substance Use in Older Adults" 3-hour workshop (July 22, 2019)
128. 2019 KY School of Addiction and Substance Abuse. "Psychopharmacology and its relationship to substance use disorders". 7-hour workshop. (July 25, 2019)

Webinars for CME

1. 2010 - Sponsored for CME by Association of Rehabilitation Nurses. 90-minute webinar: *Polypharmacy, the Silent Geriatric Syndrome*. 122 hospitals registered.
2. 2013-Sponsored for CME by Association of Rehabilitation Nurses. 90 –minute webinar*: How to Improve Quality of Care through Pharmacology Management Skills of Common Rehabilitation Medications*. 110 hospitals registered.
3. 2014-Spnsored for CME Pharmacological Management for Rehabilitation Providers. 90- Minute webinar for On With Life Inc. Ankeny, Iowa.
4. 2016-Barriers to Effective Overactive Bladder Management through Medication Therapy Management 60 minute CPE (sponsored by PHE) Feb 2016 Power Pack CPE.
5. 2017- Audiology 2017- American Speech Language Heating Association Web Conference Seminar: Cutting-Edge Perspectives in Service Delivery for Older Adults. "Pharmacology and Synergistic Effects". October 18, 2017.
6. 2018- Polypharmacy: The Silent Syndrome. American Society of Consultant Pharmacist.
7. 2019-Asthma in Older Adults: Is it different? American Society of Consultant Pharmacist.

Poster Presentations: Local/Regional/National

2008 - Gerontological Society of America, *New Treatments: Risks and Benefits in Practice. Atlanta Ga. Nov.*

2009 - American Geriatric Society, *Glossodynia: An Unsuspecting Etiology. Antimisiaris, D., Gopalraj, R. Chicago Il.* March

2009 - Gerontological Society of America, *The Value of Comprehensive Geriatric Evaluation. Antimisiaris, D. Atlanta Ga.* Nov

2010 - American Geriatric Society, *Bisphosphonate Use in a University Based Geriatric Practice.* Antimisiaris, D. *Orlando Fl May 2010.*

2010 - American Society of Health System Pharmacists Annual Conference, *Anticholinergic Burden in Hospitalized Elderly Patients Diagnosed with Delirium: Development of a Delirium Risk Assessment Tool. Antimisiaris, D., Richardson, C. Anahaim Ca. Dec.*

2011 - American Medical Directors Association, *589: A Survey of Inappropriate Medication Crushing in Long Term Care.* Antimisiaris, D. *Tampa Fl. March 2011*

2011 - Great Lakes Pharmacy Residency Conference: Delirium *in a University Hospital: Patient Characteristics*, Hosted by Purdue University April 2011 Michigan. Antimisiaris, D.,

2011 – American Geriatric Society Conference: *Medication Crushing in Academic Nursing Homes, National Harbor, MD. May 2011*

2012- American Medical Directors Association: *Survey of Statin Use in a Nursing Home Population. New Orleans, La. Antimisiaris, D., March 2012.*

2012- Gerontological Society of America, *Depression, Pain and Polypharmacy in Nursing Homes. Meeks, S., Antimisiaris, D. San Diego, Ca.* Nov 2012

2015-Am. Geriatrics Society, *Medication Discrepancies in Elderly Veterans at Hospital Discharge. National Harbor Md,* May2015

2013-2014- University of Louisville Geriatric Outpatient Clinic and Family Medicine Clinic: Appropriate Renal Dose Adjustment Rate amongst Prescribers. (Poster Presentation at ASHP Mid-Year Meeting, Dec 2014, Anaheim, Ca)

2014- University of Louisville Geriatric Outpatient Clinic and Family Medicine Clinic: EHR Medication Reconciliation versus Face to Face Med Rec. (Poster Presentation at ASHP Mid-Year Meeting, Dec 2014, Anaheim, Ca)

2015-University of Louisville Geriatric Outpatient Clinic and Family Medicine Clinic: Survey of Beta Blocker Use in the Elderly. (Poster Presentation at ASHP Mid-Year Meeting, Dec 2015, New Orleans, LA)

2016-American Geriatrics Society 2016, Long Beach California. Setters, Antimisiaris. Two Case Studies presented- Polypharmacy of PIMS (potentially inappropriate medications), and A Case of Salicylate Toxicity with Over the Counter Cold Medication. May 2016.

2016- Research! Louisville. University of Louisville Cancer Educational Summer Program (National Cancer Institute Website- R25-CA134283 funded). Gully Z, Antimisiaris D. Tamoxifen Pharmacovigilance. Poster Presentation August 4, 2016.

2017-International Association of Gerontology and Geriatrics (IAGG) 21st World Congress, San Francisco. July 25, 2017. Antimisiaris D, Polivka B, Folz R, Jorayeva A. Are Protocols for Medication Holds Sufficient for Skin Prick Testing for Older Adults with Asthma? Abstract ID 2723513.

2017- Research! Louisville. University of Louisville Cancer Educational Summer Program (National Cancer Institute Website- R25-CA134283 funded). Berry W, Antimisiaris D. Tamoxifen Pharmacovigilance. Poster Presentation August 4, 2016

2017- American Society of Health System Pharmacist Midyear Clinical Meeting, December 3-7, 2017, Orlando, Fl. Kreft, K. Antimisiaris, D., Polivka, B., Folz, R., Jorayeva, A. (Nov. 2017). Strength of specific medication literacy and clinical correlates in older adults with asthma.

2018- Research! Louisville. “The Impact of Increased Drug Burden on the Diagnostic Results of Methacholine Challenge Testing for Older Adults with Suspected Asthma.” Ingram I, Antimisiaris D, Cavallazi R, Beatty B, Folz R, Polivka B.

2018-Gerontological Society of America Annual Meeting, Nov 15, 2018, Boston, MA. Specific Medication Literacy: What do People Know About the Medications They Take? Antimisiaris D, Kreft K, Endicott D, Polivka B, Folz R.

2018- American Society of Health System Pharmacist Midyear Clinical Meeting, Dec 2-6th, Anaheim Ca. Smith M, Antimisiaris D, Polivka B, Folz R, Endicott D. Impact of Polypharmacy on Skin Prick Testing in Older Adults.

2019- The Boomer Business Summit: panel presentation and discussion. Aging Boomer Style. New Orleans April 2019. Brosky T, Rose S, Antimisiaris D. (*Mary Furlong Productions, invited speaker).

2019-American Medical Directors Association Annual Conference. It's the antibiotic not the infection: an unusual cause of delirium. AMDA abstract AC11-CR. Brewer I, Antimisiaris D, Setters B. March 7, 2019 Atlanta GA.

2019- American Geriatrics Society Annual Scientific Conference. It's the antibiotic not the infection: an unusual cause of delirium. AGS abstract #3140927. Brewer I, Antimisiaris D, Setters B. May 2, 2019 Portland Oregon

PUBLICATIONS

Abstracts (Published)

Leey, J., Setters, B., Murphy, P., **Antimisiaris, D.**, Miles, T., Quetiapine Induced Dystonia and Agitation in a Patient With Parkinson's Disease With Dementia: A Case Report, *Journal of the Medical Directors Association,* 2008, 9:3, Pg. B23.

Antimisiaris D, Miles TP, Leey-Casella J, O'Brien JG. New Medical Treatments: Risks and Benefits in Practice [abstract]. Abstract Viewer, The Gerontological Society of America. 2008; Program 192:2.

Antimisiaris,D, Gopalraj, R. 2009 - American Geriatric Society, *Glossodynia: An Unsuspecting Etiology*

Antimisiaris, D., O'Brien, JG., A Survey of Inappropriate Medication Crushing in Long Term Care, *Journal of the Medical Directors Association*, 2011, 12:3, Pgs. B4-B5.

Antimisiaris, D., Polivka, B., Folz R., Myers, J., Gopalraj R.J.. Are Protocols for Medication Holds Sufficient for Skin Prick Testing for Older Adults with Asthma? Innovation in Aging, Vol 1, Issue 1, July 2017, 909.

(See above Poster Presentations)

Peer-Reviewed

1. *****O'Brien, JG., **Antimisiaris, D.**, Miles, T. Polypharmacy: Challenges and Opportunities for the Family Physician, *Kentucky Academy of Family Physicians Journal*, Vol. 59, Fall 2009 Issue, Pgs. 4-7.
2. ***Antimisiaris, D.**, O'Brien, J.G. Polypharmacy: A Threat to Healthy Aging, *Louisville Medicine*, 2009, Pgs. 31-33
3. *****Casey, D., **Antimisiaris, D.**, O'Brien, JB. Alzheimer's Disease Medications: Are They Effective? *Pharmacy &Therapeutics*, 2010, Vol. 35. No. 4.
4. ***Antimisiaris, D.** Using Statins SAFELY. *Journal of the Kentucky Academy of Family Physician*s. Fall 2010 Volume 69, 11-13.
5. **Antimisiaris D,** Girdler R. Management of Diabetes Mellitus in the Elderly: Considerations for Primary Care Providers. *Kentucky Academy of Family Physicians Journal*, Vol. 78, Winter 2013 Issue, Pgs. 14-18.

6. **Antimisiaris, D**., Cheek, D. Polypharmacy (Text Book Chapter) 2013 Gerontological Nursing 3rd Edition, Editor Kristen L. Mauk. Pp.416-454. Jones & Bartlett Learning Publisher. ISBN: 1-978-1-2840-2719.
7. **Antimisiaris D,** McCoy G, Miller J. (2015) EHR Medication List Accuracy: A Review and Discussion. Journal of the Kentucky Academy of Family Physicians. Volume 84. Spring 2015. 15-17
8. **Antimisiaris, D**., Cheek, D. Polypharmacy (Text Book Chapter) 2016 Gerontological Nursing 4rd Edition, Editor Kristen L. Mauk. In press. Jones & Bartlett Learning Publisher.-*additional substance abuse in the elderly chapter in planning for 5th edition.*
9. Zanjani F, Crook L, Smith R, **Antimisiaris D**, Schoenberg N, Martin C, Clayton R (In Press). Community Pharmacy Staff Perspectives on Programming to Prevent Alcohol and Medication Interactions in Older Adults. Journal of the American Pharmacists Association 2016.
10. **Antimisiaris D**., Morton L. Clinics Review Articles; Co-Editors. *Primary Care: Clinics in Office Practice-Geriatrics.* Released as the September 28, 2017 Issue. "Geriatrics, An Issue of Primary Care: Clinics in Office Practice, 1st Edition. Editors- Demetra Antimisiaris and Laura Morton. Consulting Editor- Joel Heidelbaugh. https://www.us.elsevierhealth.com/geriatrics-an-issue-of-primary-care-clinics-in-office-practice-9780323545662.html Elsevier Publishers.
11. **Antimisiaris D.,** Cutler T. Authors. *Polypharmacy in the 15 Minute Office Visit. Primary Care: Clinics in Office Practice-Geriatrics.* September 2017. https://www.us.elsevierhealth.com/geriatrics-an-issue-of-primary-care-clinics-in-office-practice-9780323545662.html (no volume, issue, or pages available yet). Elsevier Publishers.
12. **Antimisiaris, D**. Bae K., Morton L., Gully Z. Tamoxifen Pharmacovigilance: A Survey of Current Practices and Implications for Safe Use in the Future. *The Consultant Pharmacist,* 2017 Sep 1; 32(9):535-546.
13. Bae K, Jones M, Evans G, **Antimisiaris D**. Simulation modeling of patient flow and capacity planning for regional long-term care needs: a case study. Health Systems. (2017) https://doi.org/10.1080/20476965.2017.1405873
14. Cavallazzi R, Jorayeva A, Beattty B, **Antimisiaris D,** Gopalraj R, Myers J, Folz R, Polivka B. Predicting asthma in older adults on the basis of clinical history. Respitory Medicine 142 (2018) 36-40. https://doi.org/10.1016/j.rmed.2018.07.010
15. Polivka B, Folz R, Myers J, Barnett R, **Antimisiaris D**, Jorayeva A, Beatty B. Identifying Phenotypes and Factors Impacting Outcomes in Older Adults with Asthma: A Research Protocol and Recruitment Results. Research in Nursing & Health. Res Nurs Health. 2018; 41:336-345.
16. Furman C, Wagner L, Gomes J, Gopalraj R, Parker B, Morton L, **Antimisiaris D**, et al. "Implementing Chief Resident Immersion Training (CRIT) in the Care of Older Adults: Overcoming Barriers and Promoting Facilitators". Geriatrics 2018, 3(4), 62; https://doi.org/10.3390/geriatrics3040062 .

Certification CME Programs Authored (Peer Reviewed)

1. **APhA MTM CTP: American Pharmacist Association Medication Management Certification Program.** Advisory board and material contributions. **Demetra Antimisiaris PharmD**, Albert Barber PharmD, Marialice Bennett BSPharm, Liza Chapman PharmD, BJ Cobb BScPharm, Jeffrey Delafuente MS Pharm, Rich Marasco BS Pharm, Randy McDonough PharmD, Brad Tice PharmD, 2012.

2. **Power Pak C.E. Certificate Program in Medication Therapy Management.** Timothy Cutler PharmD, **Demetra Antimisiaris PharmD** , Michael Gabay PharmD, Jay Nadas PharmD, Tiffany Pon PharmD,

Marilyn Stebbins PharmD, Sheri VanOsdol PharmD. 2015. (Reproducing and updating 2017) http://www.powerpak.com/mtm/

3. **APhA MTM CTP: American Pharmacist Association Medication Management Certification Program.** Advisory board and material contributions. **Demetra Antimisiaris PharmD**, Albert Barber PharmD, Jeffrey Delafuente MS Pharm, Jennifer Cerulli PharmD, Rich Marasco BS Pharm, Randy McDonough PharmD, Meghan Swarthout PharmD, Elanor Twigg PharmD, 2015. Co-authored Geriatrics section (hour 4) http://www.pharmacist.com/delivering-medication-therapy-management-services

4. **ADAPT 100 CEU Training** for Certification in Patient Care Skills (Canadian CPhA): Lead content consultant and author for United States version with APhA. Patient Care vignette development and portrayal. 7 online modules, each lasting 2-4 weeks. 2015. http://www.pharmacist.com/adapt-patient-care-skills-development

5. **Power Pak C.E. Mediation Therapy Management for Pharmacy Technicians.** 2015 Author: Geriatric Medication Management **http://www.powerpak.com/mtmpht10/**

8. **Western Schools CPE and CE-NP.** Approaches to Geriatric Pharmacology for Pharmacists (and for NPs): A Primer, 1st Edition. 2016

9. **Power Pak Overactive Bladder Management**. 4 Webinars (Feb 2016) and enduring online CME manuscript 2016-2017 https://www.powerpak.com/course/preamble/112387

10. **Power Pak C.E. Medication Therapy Management for Pharmacists.** 2017 Author: Geriatric Medication Management

Non-Peer Reviewed

1. **Antimisiaris, D.**, Polypharmacy: A Silent Epidemic. *Humana Outlook Magazine*, 2008, Prescription Drug Plan Edition, Pgs. 6-7
2. **Antimisiaris, D.**, Polypharmacy: A Silent Epidemic. *Greater Louisville Medical Society Vital Signs Magazine*. Winter 2008, Pgs. 4-5
3. **Antimisiaris, D.**, Polypharmacy: The Elephant in the Room. *Newsletter of Kentucky Geriatrics Society and Kentucky Medical Directors Association*. Aug. 2007
4. **Antimisiaris, D.**, OTC Medications: What's Out There? Risks and Benefits. *Health and Fitness Magazine*. June 2009
5. **Antimisiaris, D**. Medication Management in the Rehabilitation Setting: Optimizing Outcomes. *Association of Rehabilitation Nurses Newsletter*. August / September 2010.
6. **Antimisiaris,D**. Senior Health and Wellness newsletter, KY Department for Aging and Independent Living. "What is Polypharmacy and How Can I Avoid It?" January 2013.
7. **Antimisiaris,D**. Senior Health and Wellness newsletter, KY Department for Aging and Independent Living. "OTC Medications, What's Out There? Risks and Benefits?" March 2013
8. **Antimisiars, D**. Pharmacist consults at Kalaupapa Settlement: a journey back in time. Journal of Pharmacy Practice and Research (Australia). 2015 45, 331-332.
9. **Antimisiaris, D**. A Geriatric Syndrome with Serious Implications for Oral Health. July/August 2016. KDA Today (Kentucky Dental Association). 19-23.

10. **Annals of Long**-Term Care First Report Conference Coverage: 2016 ASCP Annual Meeting and Exhibition. *Annals of Long-Term Care: Clinical Care and Aging.* 2016;24(11):14-16. http://www.managedhealthcareconnect.com/content/psychotropic-drugs-and-multicomorbidity-older-adults

Other Publications

1. Leey, J., Setters, B., Murphy, P., **Antimisiaris, D.**, Miles, T. Quetiapine induced Dystonia and Agitation in Parkinson's Disease with Dementia: A Case Report [Letter to the Editor], *Journal of the American Geriatrics Society*, 2008, Vol. 9, No. 3, B23.

Professional Development

1. NSF Commercialization and Entrepreneurship Summit, Oct. 5, 2017, Indiana University, Indianapolis, IN. U of L Shark Tank Participant. One day conference attended by IU, Missouri S&T, U of L, Purdue.

OTHER:

1. **Author State of Kentucky HR 283_BR 1257 Older Adults Substance Use Disorder** Re: Substance Use Disorder in Older Adults (primary author- with advisory group on aging, to Governor of state of KY and commissioner on aging.)
2. **Co- Author State of Kentucky HR 284_BR 1004_Age Friendly KY** Re: Declaring state of KY an age friendly state. (with advisory group on aging to Governor of state of KY and commissioner on aging- primary author, Jeff Rubin)

MEDIA

1991-1992 - American Society of Health System Pharmacists (ASHP), News and Notes (print). *Pharmacist Endowed to Teach School of Medicine and Community at Large*, Nov. 1, 2008, Vol. 65, Pgs.

2008 - NPR Louisville, [radio], Studio 619, Nov, 23, reported b y Stephanie Saunders, *Polypharmacy*

2008 - Courier-Journal, [newspaper], Stahl, L. *Medical Mix-Ups: Similar Drug Names Account for 25% of Errors*, article interview, November 6, Health & Fitness Section E

2009 - ASHP Intersections Magazine, [print] *What Works for Me*. Winter 2009, Pg. 15.

2009, 2010 – KET [television], Kentucky Health Episode #504 hosted by Dr. Dwayne Tuckson, *Polypharmacy*

2010 – present - American Society of Health System Pharmacists (ASHP), [blog], a one-way blog (in which ASHP filters questions and requests postings periodically). My contribution is about medication use in geriatrics and people living with polypharmacy and multiple chronic diseases.
http://www.safemedication.com/safemed/PharmacistsJournal/Archive.aspx

2010 - http://medicalfront-page.com [medical news feed], *Bisphosphonate Therapy Being Administered Inappropriately to Geriatric Patients*, MRP Wire Service (international), May, news feed reaches six other national and international websites

2011 - Courier-Journal, [newspaper], Carter, D. *Exaggerated claims for Vitamin D spark a health controversy,* Mar

2011 - Transitions Magazine, [print], Thompson, J. *Manage Your Meds*, interview, Mar

2011 – WHAS, [television], Louisville, KY, Newsmakers, live interview with Rachel Platt, *Polypharmacy*, July

2011-WDRB, [television], Louisville, KY, *Prescriptions could get cheaper as patents expire*, interview with Gilbert Corsey, July 2011

2011-WLOU [radio], Louisville, KY, Live call in talk show, Polypharmacy and U of L Geriatrics, noon-1pm.

2011-WKJK 1080 [radio], Louisville, KY, "the Savvy Senior" polypharmacy.

2012- KET, [television], Lexington, KY. Connections with Renee Shaw. "Prescription Meds: When Less is More" *http://www.ket.org/cgi-bin/cheetah/watch_video.pl?nola=KCWRS+000726&altdir=&template=*

2012-WKJK 1080 [radio], Louisville, KY, "the Savvy Senior" two part, two week, sequel: polypharmacy

2012- WAVE3, [television], Louisville, KY. WAVE3 Listens. "University of Louisville Geriatrics"

2012-WLOU [radio], Louisville, KY, Live call in talk show, Polypharmacy and U of L Geriatrics, noon-1pm.

2013-WLOU [radio], Louisville, KY, Live call in talk show. More Polypharmacy and U of L Geriatrics, noon-1pm.

2013-WKJK 1080 [radio], Louisville, KY :the "Savvy Senior", ACA, MTM benefits and medication management.

2013-Kentucky Living "Successful Aging" Focus on Health. P.26 Highlight Section ("The Risk of Taking Too Many Drugs", and "Medication Checklist"). November 2013.

2014-Courier Journal. FDA approves powerful new pain pill despite fears of abuse. March 1, 2014. (interview participant)

2014-present WLOU [radio], Louisville, KY, Live call in talk show, Polypharmacy and U of L Geriatrics, noon-1pm.

2015-WAVE3 Pain Clinic Doctor Sentenced. http://www.wave3.com/story/27909591/death-by-prescription-kentuckiana-doctor-indicted-by-feds?autostart=true (interview about the case)

2015-Pharmacy Times: Renal Dosing Adjustment Discussion (4 segments)
https://www.youtube.com/watch?v=DogUDWJduqg

https://www.youtube.com/watch?v=lCmwERhdnU0

https://www.youtube.com/watch?v=e7oZq6RYX8k

https://www.youtube.com/watch?v=qqpjxDDCLrg

2016-WCHQ 100.9 The Local Life. Herbs and Supplements

2017-Community Conversations on 1340 WEKY AM or 103.5 WKXO FM. Jeff Rubin host, and columnist for the Richmond Register. Topic- Substance Abuse

2019- WCHQ 100.9 The Local Life. Polypharmacy https://www.wchqfm.com/the-local-life.html

2019- Cardinal Radio: NIH Asthma Study

2019-Cardinal Radio: Research publication (Zanjani, et al) re pharmacy staff and pharmacist's perception of alcohol use. On CR with Rachel Vicker-Smith PhD (was on her grad school study we published and now she is here at U of L and I am one of her K award mentors).