

Curriculum vitae

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Education

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
2005	PhD	Statistics (Dr. Dongchu Sun)	University of Missouri-Columbia
2000	M.S.	Econometrics (Dr. Meijin Wang)	Xiamen University, China
1997	B.S.	Management of Information System	Xiamen University, China

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
2005-2007	Fellowship	Biostatistics (Dr. Peter Mueller and Dr. Kim-Anh Do)	University of Texas M.D. Anderson Cancer Center

Current Licensure and Certification

NA

Honors and Awards

Year	Name of Honor/Award	Awarding Organization
2008	Early Career Researcher and Postgraduate travel awards	International Society for Bayesian Analysis
2004	Travel Scholarship	University of Missouri-Columbia

2003	Outstanding performance in doctoral exams	Department of Statistics, University of Missouri-Columbia
1999	Excellent Student Award	Xiamen University, China
1998	Third Prize	College Student Science and Technology Thesis Competition, Fujian Province, China

Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
2022-present	Professor (with tenure)	Peter O'Donnell Jr. School of Public Health	UT Southwestern Medical Center
2020-2022	Professor (with tenure)	Population and Data Sciences	UT Southwestern Medical Center
2019-2020	Associate Professor (with tenure)	Population and Data Sciences	UT Southwestern Medical Center
2014-2019	Associate Professor (with tenure)	Clinical Sciences	UT Southwestern Medical Center
2007-2013	Assistant Professor	Clinical Sciences	UT Southwestern Medical Center

Appointments at Hospitals/Affiliated Institutions

<u>Current</u>			
Year(s)	Position Title	Department/Division	Institution
2011-2016	Senior Biostatistician	Infectious Diseases	VA North Texas Health Care System
2013-present	Full Member	Harold C. Simmons Comprehensive Cancer Center	UT Southwestern Medical Center
2022-present	Director	Biostatistics, Epidemiology, and Research Design (BERD)	UTSW CTSA program

Other Professional Positions

Year(s)	Position Title	Institution
2011	Course director for <i>Summer course: Introduction to Biostatistics for Graduate and Medical Students</i>	UT Southwestern Medical Center

Committee Service (*Member, unless noted otherwise*)

Year(s)	Name of Committee	Institution/Organization
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<u>UTSW</u>		
2010-present	Protocol Review and Monitoring Committee	Harold C. Simmons Comprehensive Cancer Center, University of Texas Southwestern Medical Center
2012-2016	Data and Safety Monitoring Board (DSMB)	Orlistat crossover design trial, UTSW
2013-2015	Scholarship Oversight Committee	Pediatric pulmonology fellow, Dr. Danielle Corrigan, UTSW
2014-present	Institutional Review Board	University of Texas Southwestern Medical Center
2015-2018	Data and Safety Monitoring Board (DSMB)	SIMPLE study: Simple Basal Insulin titration Metformin Plus Liraglutide for type-2 Diabetes with very Elevated HbA1C (PI: Ildiko Lingvay)
2016-2020	Data and Safety Monitoring Board (DSMB)	Efficacy of Leptin Replacement in the Treatment of Genetic and Acquired Lipodystrophies (PI: Abhimanyu Garg)
2016	Junior Faculty Mentoring Committee	Department of Clinical Sciences, UTSW
2017-2021	Data and Safety Monitoring Board (DSMB)	Phase 2 Study of Obeticholic Acid for Lipodystrophy patients (PI: Abhimanyu Garg)
2017-present	CTM Grant Review Committee	UTSW
2017	Faculty Post-Tenure Review Committee	Department of Clinical Sciences, UTSW
2018-2019	Data and Safety Monitoring Board (DSMB)	Efficacy and Safety Comparison between U-100 Regular Human Insulin and Rapid Acting Insulin when Delivered by V-Go® Wearable Insulin Delivery in Type 2 Diabetes
2019	Chair, Faculty Recruitment Committee	Department of Population and Data Sciences, UTSW
2019-present	Data and Safety Monitoring Board (DSMB)	Chronic lower leg heating for the treatment of hypertension in older women (PI: Qi Fu)
2020	Chair, Junior Faculty Mentoring Committee	Department of Population and Data Sciences, for Dr. Amy Hughes
2020-2022	Appointments and Promotion Committee	Department of Population and Data Sciences

2021-2022	UTSW School of Public Health planning: "Health Systems Science" working group	UTSW
2022-present	FY23 Core Facilities Committee	UTSW
<u>State/Regional</u>		
2011-present	Ph.D. Thesis Committee	Department of Statistical Science, Southern Methodist University, students: E.J. Liao, Ying Lou, Zhiyun Ge, Shuang Li
2012-present	Co-advisor, Ph.D. Thesis Committee	Department of Statistical Science, Southern Methodist University, students: Ayman Al-Rawashdeh, Yin Xi, Dateng Li, Jijia Wang
<u>National/International</u>		
2013-2014	Standing member, Improving Methods for Conducting Patient-Centered Outcome Research	PCORI (Patient Centered Outcome Research Institute)
2017-present	Central Institutional Review Board (Adult CIRB – Early Phase Emphasis)	NCI
2022-present	DSMB, Child Health and Infection with Low Density (CHILD) Malaria, a randomized controlled trial to assess the long-term health and socioeconomic impact of interventions targeting low-density malaria infection (LMI) among children in Tanzania	NIH/NIAID

Professional Societies

Dates	Society Name, member
2001-present	American Statistical Association
2001-present	Institute of Mathematical Statistics
2001-present	Eastern North American Region (ENAR) of the International Biometric Society (IBS)

Teaching Activities

Year(s)	Name of Course	Organization
2007-2016, 2019	Senior Elective Reading	UTSW
2009-present	CTM5309 Biostatistics for Clinical Investigators	UTSW
2009-2014	Summer Course: Introduction to Biostatistics for Graduate and Medical Students	UTSW
2011-present	CTM5302 Biostatistics for Clinical Sciences	UTSW

2016-2017	STAT 6360 Epidemiology, CTM5307 Epidemiology for the Clinical Investigator	SMU and UTSW
2018	CTM 5096 Foundation of Clinical Trials	UTSW
2020-present	BSCI 5106 INTRO TO BIOSTATS & BIOINFO	UTSW

Grant Review Activities

Year(s)	Name of Review Committee	Organization
May, 2013	2013 Community Based Research Award	UTSW
Jun, 2013	Improving Methods for Conducting Patient-Centered Outcome Research	PCORI
Jul, 2013	Assessment of Prevention, Diagnosis, and Treatment Options, Cycle III	PCORI
Nov, 2013	Improving Methods for Conducting Patient-Centered Outcome Research	PCORI
Mar, 2014	NASA Crew Health: Teamwork, Behavior, and Sleep Panel	NASA
May, 2014	Improving Methods for Conducting Patient-Centered Outcome Research	PCORI
May, 2014	2014 Community-Based Research Awards	UTSW
Feb, 2015	Improving Methods for Conducting Patient-Centered Outcome Research	PCORI
Mar, 2015	NASA/NSBRI 2013-2014 Crew Health Step-2 Review, NASA Research and Technology Development to Support Crew Health and Performance in Space Exploration Missions	NASA
Apr, 2015	PCORnet CDRN Phase II merit review	PCORI
May, 2015	2015 Community-Based Research Awards	UTSW
Jan, 2016	2016 DMRDP Health Informatics/Information Technology	DOD
Feb, 2016	Improving Methods for Conducting Patient-Centered Outcome Research	PCORI
Mar, 2016	NASA/NSBRI 2014-2015 Crew Health Step-2 Review	NASA
Mar, 2016	NSF 2016 Information & Intelligent Systems (IIS), Smart and Connected Health (SCH) review panel	NSF
May, 2016	New Oral Anticoagulants (NOACs) in the Extended Treatment of Venous Thromboembolic Diseases	PCORI
Jun, 2016	2016 Community-Based Research Awards	UTSW

Jul, 2016	2016 Developmental Funds for Clinical Oncology Trials	Harold C. Simmons Comprehensive Cancer Center, UTSW
Sep, 2016	Improving Methods for Conducting Patient-Centered Outcome Research	PCORI
Oct, 2016	2016 DMRDP Hemorrhagic Shock – Traumatic Brain Injury	DOD
Nov, 2016	2016 MRMC-BAA Clinical and Rehabilitative Medicine	DOD
Jan, 2017	2016 TBDRP Treatment and Prevention	DOD
Mar, 2017	Community-based Palliative Care Delivery for Adult Patients with Advanced Illnesses and their Caregivers	PCORI
Jun, 2017	2017 Community-Based Research Pilot Awards	UTSW
Aug, 2017	Optimized multidisciplinary treatment programs for nonspecific chronic low back pain	PCORI
Oct, 2017	Human Exploration Research Opportunities (HERO): Ground Based Topics in Space Radiobiology	NASA
Nov, 2017	2017 Peer Reviewed Orthopaedic Research Program	DOD
Jan, 2018	2017 Duchenne Muscular Dystrophy Research Program	DOD
Feb, 2018	Cycle 2 2017 PaCR In-Person Merit Review	PCORI
Apr, 2018	Cancer Center Intramural Award	Harold C. Simmons Comprehensive Cancer Center, UTSW
Jun, 2018	2018 Community-Based Research Pilot Awards	UTSW
Aug, 2018	Improving Methods for Conducting Patient-Centered Outcome Research	PCORI
Sep, 2018	Developmental Funds for Translational Pilots	UTSW
Oct, 2018	Quantitative Methodological Pilot Projects for Cancer Research	Harold C. Simmons Comprehensive Cancer Center, UTSW
Oct, 2018	Clinical Trials-Pre-Clinical Research peer review panel of the FY18 Breast Cancer Research Program	DOD
Dec, 2018	2018 Development Funds for Clinical Oncology Trials	Harold C. Simmons Comprehensive Cancer Center, UTSW
Jan, 2019	2019 Vision Research Program	DOD
Feb, 2019	BCRP CT-PCR-R peer review panel	DOD
May, 2019	Improving Methods for Conducting Patient-Centered Outcomes Research	PCORI
Jun, 2019	Community-based Research Awards	UTSW
Jul, 2019	Improving Methods for Conducting Patient-Centered Outcomes Research	PCORI

Aug, 2019	Clinical Trial-Respiratory Health and Injury (CT-RHI)	DOD
Sep, 2019	Partnerships to Conduct Research (PaCR) within PCORnet	PCORI
Sep, 2019	2019 Defense Medical Research and Development Program on the Wound Care (WC) panel	DOD
Oct, 2019	2019 Tick-Borne Disease Research Program	DOD
Dec, 2019	National Institute on Aging (NIA) Imbedded Pragmatic AD/ADRD Clinical Trials (IMPACT) Collaboratory, the Pilot Core	NIH
Jan, 2020	2019 Combat Readiness-Medical Research Program	DOD
Feb, 2020	2019-2020 Crew Health Step-2 Reviews	NASA
Apr, 2020	Improving Methods for Conducting Patient-Centered Outcomes Research	PCORI
Jul, 2020	Improving Methods for Conducting Patient-Centered Outcomes Research	PCORI
Aug, 2020	Joint Warfighter Medical Research Program (JWMP)	DOD
Sep, 2020	2020 Prostate Cancer Research Program (PCRP)	DOD
Oct, 2020	2020 Tick-Borne Disease Research Program (TBDRP)	DOD
Nov, 2020	Observational Analyses of Second-Line Pharmacological Agents in Type 2 Diabetes	PCORI
Jan, 2021	2020 Hearing Restoration Research Program (HRRP)	DOD
Apr, 2021	Suicide Prevention: Brief Interventions for Youth Cycle 3, 2020	PCORI
Jun, 2021	Community-Based Research Awards	UTSW
Jun, 2021	Increasing COVID-19 Vaccine Confidence among Long-Term Care Workers	PCORI
Sep, 2021	2021 Prostate Cancer Research Program (PCRP) Health Disparity Research Award (HDR-2)	DOD
Oct, 2021	Human Research Program, Microbiology Panel and Immunology Panel	NASA
Oct, 2021	2021 Tick-Borne Disease Research Program (TBDRP)	DOD
Dec, 2021	2021 Traumatic Brain Injury and Psychological Health (TBIPH)	DOD
Jan, 2022	FY23 Military Infectious Diseases Research Program (MIDRP)	DOD

Feb, 2022	NASA HERO Musculoskeletal Virtual Review Panel	NASA
Feb, 2022	CDMRP TBIPH TR PRV Panel	DOD
Apr, 2022	Improving Methods for Conducting Patient-Centered Outcomes Research	PCORI
May, 2022	SCCC Translational Pilot Funding Program	Harold C. Simmons Comprehensive Cancer Center, UTSW
Jul, 2022	Cycle 1 2022 Addressing Disparity	PCORI
Oct, 2022	2022 Tick-Borne Disease Research Program (TBDRP)	DOD
Nov, 2022	Improving Methods for Conducting Patient-Centered Outcomes Research	PCORI
Dec, 2022	FY22 Chronic Pain Medical Research Program (CPMRP) Therapy and Treatment-1 (TT-1)	DOD
Jan, 2023	CDMRP VRP TBI Panel	DOD
Mar, 2023	Improving Methods for Conducting Patient-Centered Outcomes Research	PCORI

Editorial Activities

Year(s)	Journal Name
Editor/Associate Editor	
2016	Statistical Theory and Related Fields (Associate Editor)
Editorial Board	
2011	The Journal of Biometrics and Biostatistics
Ad Hoc Reviewer	
2005-present	Statistics in Medicine, Statistical Sciences, Statistical Modeling, JASA
2007-present	BMC Bioinformatics, Journal of Investigative Medicine, Biometrical Journal
2008-present	BMC Medical Research Methodology, Epilepsia
2011-present	Biostatistics, Briefing in Bioinformatics, Journal of Clinical Epidemiology, European Journal of Human Genetics
2013-present	Journal of Wine Economics, JAMA, Computational Biology and Chemistry, Statistics and Its Interface, Journal of Comparative Effective Research, PLOS ONE
2015	Reviewer for AMIA 2015 Annual Symposium, Scientific Reports
2018	Diabetes Research and Clinical Practice, Statistics and Probability Letters, Biometrics, Journal of Biopharmaceutical statistics

Invited Lectures

Year(s)	Title	Location
International		
2022	Power Analysis for Cluster Randomized Trials with Multiple Binary Co-Primary endpoints	School of Mathematics and Statistics, University of Sydney, Australia
2019	A Bayesian adaptive strategy for stepped wedge cluster randomized trials based on posterior predictive probabilities	12 th International Conference of the ERCIM WG on Computational and Methodological Statistics, London, UK
2019	Bayesian Tree-Based Machine Learning to Risk-Stratify Patients for Personalized Intervention	Big Data and Modern Statistics Conference, 2019, Shanghai, China
2018	Bayesian Spatial Clustering Method and Its Application in Radiology	Joint Statistical Meeting 2018, Vancouver, Canada
2018	Design and analysis of pragmatic stepped-wedge clustered randomization trials	11 th International Conference of the ERCIM WG on Computational and Methodological Statistics, Pisa, Italy
2016	A Bayesian Safety Monitoring Scheme for Phase II Clinical Trials	The 10 th ICSA International Conference on Global Growth of Modern Statistics in the 21 st Century
2016	Novel Bayesian Methods for the Design and Analysis of Clinical Trials (two-day short course)	Summer Workshop of Modern Statistics, School of Finance and Statistics, East China Normal University, Jul 4-18, 2016
2016	Challenges and Opportunities in the Design of Clinical Trials with Correlated Outcomes	Qingdao Municipal Hospital Group, Jul 19, China
2015	Novel Bayesian Methods for the Design and Analysis of Clinical Trials (two-day short course)	Summer Workshop of Modern Statistics, School of Finance and Statistics, East China Normal University, Jul 11-22, 2015
2013	Sample Size Estimation for Pre-Post Test Experiments with Partially Overlapping Cohorts	IASC Satellite Conference for the 59 th International Statistical Institute (ISI), Seoul, Korea
2013	A resampling-based approach to comparing performance between full Bayesian and frequentist methods in microarray analyses	The 2013 International Workshop on Bayes Model Selection (BMS 2013), Shanghai, China
2013	Sample Size Estimation for Pre-Post Test Experiments with Partially Overlapping Cohorts	Joint Statistical Meeting 2013, Montreal, Canada
2008	A Missing Data Method Based on Product Partition Model of the Missing Patterns	The 9 th World Meeting of ISBA (International Society of Bayesian Analysis), Hamilton Island, Australia
National		
2019	Design and analysis of pragmatic stepped-wedge clustered randomization trials	2019 Statistical Practice in Cancer Conference, Tampa, FL

2017	A Bayesian Tree-Based Machine Learning approach for the Prediction of Readmission Risk Using Electronic Medical Records Data	2017 ICSA Applied Statistics Symposium, Chicago
2015	Design and analysis of pragmatic trials	PCOR R24 Webinar, AHRQ
2015	Bayesian Spatial Clustering Method and Its Application in Radiology	Joint 24 th ICSA Applied Statistics Symposium and 13 th Graybill Conference, Fort Collins, Colorado
2014	Sample Size Estimation for Pre-Post Test Experiments with Partially Overlapping Cohorts	2014 Joint Applied Statistical Symposium of ICSA and KISS, Portland, Jun 15-18.
2014	Challenges and Opportunities in the Design of Clinical Trials with Correlated Outcomes	IEEM (The Institute for Exercise and Environmental Medicine), Texas Health Presbyterian Hospital, Dallas, Texas
2014	Sample Size Estimation for Pre-Post Test Experiments with Partially Overlapping Cohorts	Joint Statistical Meeting 2014, Boston, MA
2013	Big Data Analysis Using Electronic Medical Records: Bayesian Tree-Based Machine Learning to Risk-Stratify Patients for Personalized Intervention	The J. Craig Venter Institute, San Diego, CA
2013	A Bayesian Survival Model Based on Additive Regression Tree to Predict the Readmission Risk of Heart Failure Patients	ICSA 2013 Applied Statistics Symposium/ISBS International Symposium on Biopharmaceutical Statistics Joint Meeting
2013	A Bayesian Survival Model Based on Additive Regression Tree to Predict the Readmission Risk of Heart Failure Patients	Frontiers in Methodological and Applied Statistics: A Celebration of 50 Years, University of Missouri-Columbia
2011	GO-Bayes: A Bayesian Hierarchical Model to Use Gene Ontology in Microarray Analysis.	The Department of Statistics, University of Missouri-Columbia
2011	Using Biological Knowledgebase to Interpret Microarray Analysis Results, a Bayesian Approach	The School of Public Health, University of Maryland
2011	A Bayesian gene enrichment analysis to incorporate Gene Ontology Knowledgebase	The Mathematics and Statistics Department, Georgetown University
2011	A Bayesian Missing Data Imputation Method for Electronic Medical Record Data	Southern Biomedical Engineering Conference 2011, Arlington, TX
2009	A Bayesian Hierarchical Model for Multi-Rater Data with Fine Scales	Statistical and Applied Mathematical Sciences Institute, Research Triangle Park, NC
2008	A Bayesian approach to rank items, examine rater performance, and determine the number of raters in multi-rater studies	University of Texas M.D. Anderson Cancer Center

2007	Using Bayesian Additive Regression Tree to Merge Two Datasets with Missing Data	Department of Biostatistics, St Jude Children's Research Hospital
2007	A Bayesian Tree Based Missing Data Method to Combine Inference from Two Datasets	Department of Mathematical Sciences, University of Arkansas
2006	A Bayesian Semi-parametric Method for Jointly Modeling a Primary Endpoint and Longitudinal Measurements	ICSA (International Chinese Statistical Association) 2006 Applied Statistics Symposium, Connecticut
Regional/Local		
2014	A screen exploiting VHL-synthetic lethality and drug synergy	Kidney Cancer Program retreat, UT Southwestern Medical Center
2014	Challenges and Opportunities in the Design of Clinical Trials with Correlated Outcomes	The Institute for Exercise and Environmental Medicine
2012	Design and analysis of pre-post studies with a binary outcome on partially overlapping units	North Texas Chapter of American Statistical Association
2011	Overview of Statistical Challenges in Risk Prediction Using Electronic Medical Records	Center for Clinical Innovation, Parkland Health and Hospital System
2009	Computerized Adaptive Testing	Department of Clinical Sciences, UT Southwestern Medical Center
2008	Missing Data Imputation Based on a Product Partition Model on the Missing Patterns	Department of Statistical Science, Southern Methodist University
2007	GO-Bayes: Improved Gene Set Enrichment Analysis	Division of Biomedical Informatics Retreat, UT Southwestern Medical Center
2007	A Bayesian Semi-parametric Method for Jointly Modeling a Primary Endpoint and Longitudinal Measurement	Houston Area Chapter of the American Statistical Association

Service to the Community

Year(s)	Role	Organization or institution
2007	Judge	Dallas Regional Science and Engineering Fair
2017	Senior Thesis Judge for Statistical Project	Magnet School for the Talented and Gifted, Dallas

Ongoing Grants and Contracts

Year(s)	Role and Effort	Organization and Title
Grants		

2017-present	PI, 15%	PCORI, R-1609-36761 (Zhang), Develop Novel Design Methods for Pragmatic Stepped-wedge Cluster Trials with Patient-Centered Outcomes.
2018-present	Co-investigator, 8%	NIH, 1R01AG057571 (Zhang), Hypertension, intracranial pulsatility and brain A β accumulation in older adults.
2018-present	Co-investigator, 5%	NIH, 1R35CA220449 (DeBerardinis), Metabolic Regulators of Tumor Growth and Progression
2012-present	Co-investigator, 5%	NIH, 5P30CA142543 (Arteaga), Cancer Center Support Grant.
2015-present	Co-Investigator, 4%	NIH, 1R01-CA184584 (Choi) Clinical development of cancer-specific MRS biomarkers in malignant gliomas
2016-present	Co-Investigator, 10%	NIH, 5UH3DK104655 (Vazquez), Improving Chronic Disease Management with Pieces (ICD-Pieces).
2015-present	Co-Investigator, 10%	NIH, 5UL1TR001105 (Toto), UT Southwestern Center for Translational Medicine – Core 3A
2017-present	Co-Investigator, 5%	NIH, 1P50CA196516 (Brugarolas), UTSW SPORE in kidney cancer
2018-present	MPI, 3%	NIH, 1UM1CA221940 (Tiro), Multi-level Optimization of the Cervical Cancer Screening Process in Diverse Settings & Populations (METRICS)
2018-present	Co-Investigator, 5%	DOD,(Ariizumi), Biomarkers for predicting response to immune checkpoint blockers
2018-present	Co-Investigator, 5%	NIH, 5K23HL132054-03 (Zia), Predicting and Preventing Poor Outcomes of Venous Thromboembolism in Children

Completed Grants and Contracts

Year(s)	Role and Effort	Organization and Title
Grants		
2013-2018	PI, 8%	NSF, , IIS-1302497 (Zhang), III: Medium: Collaborative Research: Robust Large-scale Electronic Medical Record Data Mining Framework to Conduct Risk Stratification for Personalized Intervention.
2012-2015	PI, 10%	NIH, R03, 5R03AG039689-02 (Zhang), Using VA registry data to estimate age-related risk trajectories for HIV patients.
Contracts		
2011-2013	PI, 20%	Parkland, Other3906 (Amarasingham). Automating Identification of Patients at High Risk for Readmission.

Bibliography

Peer-Reviewed Publications

Original Research Articles (* indicates corresponding author)

1.	K Sharma, M John, S Zhang , G Gronseth (2022) Serum neuron-specific-enolase thresholds for predicting post-cardiac arrest outcome: a systematic review and meta-analysis, <i>Neurology</i> , 98(1):e62-e72. PMID: 34663643.
2.	ZY Zhou, DT Li, S Zhang (2022), Sample size calculation for cluster randomized trials with zero-inflated count outcomes, <i>Statistics in Medicine</i> , 42(12): 2191-2204. PMID: 35139584
3.	M.S. Patel, B.K. Wang, M. MacConmara, C. Hwang, J.A. Shah, L. De Gregorio, S.I. Hanish, D.M. Desai, S. Zhang , H.J. Zeh III, P.A. Vagefi (2022), Is there value in volume? An assessment of liver transplant practices in the United States since the inception of MELD, <i>Surgery</i> , 172(4): 1257-1262. PMID: 35871852
4.	J. Joerns, S. Bollineni, L.D. Mahan, M.R. Mohanka, A Lawrence, I Timofte, F Torres, R.M. La Hoz, S. Zhang , C.D. Kershaw, V Kaza, L.S. Terada, A Banga (2022), COVID-19 vaccination is associated with favorable outcomes among lung transplant patients with breakthrough infections, <i>Transplantation Proceedings</i> , 54(6): 1517-1523. PMCID: PMC9197779
5.	C Li, Y Zuo, S Zhang , U.E. Makris, D.R. Karp, Z Li (2022) Additional risk factors associated with thrombosis and pregnancy morbidity in a unique cohort of antiphospholipid antibody-positive patients, <i>Chinese Medical Journal</i> , 135(6): 658-664. PMCID: PMC9276217
6.	M. Aguilar, H. Chen, G. Rivera-Colon, S. Niu, K. Carrick, K. Gwin, I.C. Cuevas, S. Sahoo, H. Li, S. Zhang , W. Zheng, E. Lucas, D.H. Castrillon (2022), Reliable identification of endometrial precancers through combined Pax2, β -catenin, and Pten immunohistochemistry, <i>American Journal of Surgical Pathology</i> , 46(3): 404-414. PMCID: PMC8860214
7.	A.S. Hong; A. Hughes; D.M. Courtney; H. Fullington; S.J. Craddock Lee; J.W. Sweetenham; J.V. Cox; N. Sadeghi; S. Zhang ; A. Bazzell; E.A. Halm (2023) Characteristics of Self-Triaged Emergency Department Visits by Adults with Cancer, <i>American Journal of Managed Care</i> , accepted.
8.	A.S. Hong; A. Hughes; D.M. Courtney; H. Fullington; S.J. Craddock Lee; J.W. Sweetenham; J.V. Cox; N. Sadeghi; S. Zhang ; A. Bazzell; E.A. Halm (2023) Clinical Severity of Emergency Department Visits is Not Higher When Adults with Cancer Visit Closer to Home, Self-refer, or Visit on the Weekend, <i>Journal of Cancer Survivorship</i> , submitted.
9.	A Elamir, J. Karalis, N. Sanford, P. Polanco, M. Folkert, M Porembka, S. Kazmi, R. Maddipati, H. Zeh, R. Timmerman, S. Zhang , M. Ligorio, M. Beg, T. Aguilera (2022) Ablative radiotherapy in oligometastatic pancreatic cancer to delay polyprogression, limit chemotherapy, and improve outcomes, <i>International Journal of Radiation Oncology, Biology, Physics</i> , 114(4):792-802. PMID: 35896145
10.	J. Joerns, S. Bollineni, L.D. Mahan, M.R. Mohanka, A Lawrence, I Timofte, F Torres, R.M. La Hoz, S. Zhang , C.D. Kershaw, V Kaza, L.S. Terada, A Banga (2022) High dose mycophenolate use at vaccination is independently associated with breakthrough COVID-19 among lung transplant patients, <i>Transplantation</i> , 106(5):e271-e274. PMCID: PMC9038231
11.	Lawrence, L.D. Mahan, M.R. Mohanka, J. Joerns, S. Bollineni, V. Kaza, R.M. La Hoz, S. Zhang , C. Kershaw, L.S. Terada, F. Torres, A. Banga (2022) Predictors and Outcomes of Respiratory Failure among Lung Transplant Patients with COVID-19, <i>Clinical Transplantation</i> , 36(3):e14540. PMCID: PMC8646587.

12.	I.A. Mansi, M. Chansard, I. Lingvay, S. Zhang , E.A. Halm, C.A. Alvarez (2022) Statins Therapy Initiation is Associated with Diabetes Progression: A retrospective Matched Cohort Study, <i>JAMA Internal Medicine</i> , 181(12):1562-1574. PMCID: PMC8491130
13.	A.E. Nijhawan, S. Zhang , M. Chansard, A. Gao, M.K. Jain, E.A. Halm (2022), A Multicomponent Intervention to Reduce Readmissions Among People with HIV, <i>Journal of Acquired Immune Deficiency Syndromes</i> , 90(2):161-169. PMCID: PMC9203879
14.	I.A. Mansi, M. Chansard, I. Lingvay, S. Zhang , E.A. Halm, C.A. Alvarez (2020) Statins and renal disease progression, ophthalmic manifestations, and neurological manifestations in Veterans with diabetes: A Retrospective Cohort Study, <i>PLS ONE</i> , accepted.
15.	N. Banga, H. Dubey, S. Zhang (2021) A study to evaluate the association of weather patterns and socioeconomic characteristics with the spread of COVID-19, <i>Journal of Infection and Public Health</i> , submitted.
16.	L Mahan, I Lill, M Mohanka, A Lawrence, J Joerns, S Bollineni, V Kaza, R La Hoz, S Zhang , C Kershaw, L Terada, F Torres, A Banga (2021), Post-infection pulmonary Sequelae after COVID-19 among patients with lung transplantation, <i>Transplant Infectious Disease</i> , 23(6):e13739. PMCID: PMC8646912.
17.	J. Wang, J. Cao, S. Zhang* , C. Ahn (2021) A flexible sample size solution for longitudinal and crossover cluster randomized trials with continuous outcomes, <i>Contemporary Clinical Trials</i> , 109, p.106543. PMID: 34450326.
18.	M Mohanka, DF Pinho, H Carcia, R Kanade, S Bollineni, J Joerns, V Kaza, D Mathews, F Torres, S Zhang , A Banga (2021) Spectrum of Findings on Ventilation-Perfusion Lung Scintigraphy after Lung Transplantation and Association with Outcomes, <i>Journal of Heart and Lung Transplantation</i> , 40(5): 377-386. PMID: 33648871
19.	J. Wang, J. Cao, S. Zhang* , C. Ahn (2021) Sample size and power analysis for stepped wedge cluster randomised trials with binary outcomes, <i>Statistical Theory and Related Fields</i> , 5(2): 162-169.
20.	S Christley, J Ostmeyer, L Quirk, W Zhang, N Monson, B Sirak, A Giuliano, S Zhang , J Tiro, E Lucas, L.G. Cowell (2021) T cell Receptor Repertoires Acquired via Routine Pap Testing May Help Refine Cervical Cancer and Precancer Risk Estimates, <i>Frontiers in Immunology</i> , 12:624230. PMCID: PMC8050337
21.	N. B. Hernandez, R. Kirk, D. Sutcliffe, R. Davies, R. Jaquiss, A. Gao, S. Zhang , R.J. Butts (2021) Utilization and outcomes in biventricular assist device support in pediatrics, <i>The Journal of Thoracic and Cardiovascular Surgery</i> , 160(6): 1301-8. PMCID: PMC7544019
22.	J. Wang, J. Cao, S. Zhang* , C. Ahn (2021) Sample Size Determination for Stepped Wedge Cluster Randomized Trials in Pragmatic Settings, <i>Statistical Methods in Medical Research</i> , 30(7):1609-1623. PMID: 34139916
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