

**EAST TENNESSEE STATE UNIVERSITY
QUILLEN COLLEGE OF MEDICINE**

SUMMARY OF SCHOLARLY ACTIVITIES

Department of Internal Medicine

July 2019 - June 2020

I. PUBLICATIONS

Journal Publications

Austin D, Moore JS, Gangaputra S. Vogt-Koyanagi-Harada Syndrome: A Rare Cause of Panuveitis Presenting as Unilateral Loss of Visual Acuity [published online ahead of print, 2020 Feb 22]. *J Clin Rheumatol*. 2020;10.1097/RHU.0000000000001351. doi:10.1097/RHU.0000000000001351

Bagai J, Bhuiyan AR, White CJ, Mukherjee D, Paul TK. Outcomes following percutaneous coronary intervention before, during and after transition to a default trans-radial approach at a Veterans Affairs Medical Center. *Angiology*. 2020 Apr 22;3319720920159. doi:10.1177/0003319720920159. 32319299

Bah I, Alkhateeb T, Kumbhare A, et al. HuR promotes miRNA-mediated upregulation of NF- κ B protein expression in MDSCs during murine sepsis. *Mol Immunol*. 2020;123:97-105. doi:10.1016/j.molimm.2020.04.014 PMID: 32474254
Bhogal S, Khraisha O, Al Madani M, Trecee J, Baumrucker S, Paul TK. Sildenafil for pulmonary arterial hypertension. *Am J Ther*. 2019 Jul/Aug;26(4):e520-e526. PMID: 30946047

Bhogal S, Mukherjee D, Bagai J, Truong HT, Panchal HB, Murtaza G, Zaman M, Sachdeva R, Paul TK. Bivalirudin versus heparin during intervention in acute coronary syndrome: A systematic review of randomized trials. *Cardiovasc Hematol Disord Drug Targets*. 2020;20(1), 3-15. PMID: 31241442

Cao D, Zhao J, Nguyen LN, Nguyen LNT, Khanal S, Dang X, Schank M, Chand Thakuri BK, Wu XY, Morrison ZD, El Gazzar M, Zou Y, Ning S, Wang L, Moorman JP, Yao ZQ. Cao D, et al. Among authors: Moorman JP. Disruption of Telomere Integrity and DNA Repair Machinery by KML001 Induces T Cell Senescence, Apoptosis, and Cellular Dysfunctions. *Front Immunol*. 2019 May 22;10:1152. doi: 10.3389/fimmu.2019.01152. eCollection 2019. *Front Immunol*. 2019. PMID: 31191531 Free PMC article.

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Dang X, Ogbu SC, Zhao J, Nguyen LNT, Cao D, Nguyen LN, Khanal S, Schank M, Thakuri BKC, Wu XY, Morrison ZD, Zhang J, Li Z, El Gazzar M, Ning S, Wang L, Wang Z, Moorman JP, and Yao ZQ. Inhibition of topoisomerase IIA (Top2 α) induces telomeric DNA damage and T cell dysfunction during chronic viral infection. *Cell Death and Disease* March 2020; 11:196. PMID: PMC7081277.

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Dechao Cao, Juan Zhao, Lam Nhat Nguyen, Lam Ngoc Thao Nguyen, Sushant Khanal, Xindi Dang, Madison Schank, Bal Krishna Chand Thakuri, Xiaoyuan Wu, Zheng D Morrison, Mohamed Elgazzar, Yue Zou, Shunbin Ning, Ling wang, Jonathan P Moorman, Zhi Q Yao. Disruption of telomere integrity and DNA repair machineries by KML001 induces T cell senescence, apoptosis and cellular dysfunctions. *Frontiers in Immunology*. 2019. 10:1152.doi: 10.3389/fimmu.2019.01152. eCollection 2019. PMID: 31191531

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II. PAPERS AND ABSTRACTS

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III. POSTER PRESENTATIONS

Al momani L, Alomari M, Fatimi Z, Nehme F, Khoudari G, Sarmini MT, Alkhayyat M, Al-Sayyed L, TMahmoudi TM. The association between chronic viral hepatitis and squamous cell carcinoma of the head and neck: A systematic review and meta-analysis. *Digestive Disease Week* May 2020, Washington DC

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Devani K, Radadiya D, Brahmabhatt B. Letter to Editor: Pancreatic Stent is the Best Tool to Prevent Post-ERCP Pancreatitis in High-Risk Patients: Is the Result from Recent Network Meta-Analysis Valid? *Endoscopy Open International*; Accepted: 02/2020

El Iskandarani M, El Kurdi B, Sukhdeep B, Refaat M, Paul TK. Timing of cardiac magnetic resonance imaging in identification of the etiology of myocardial infarction with nonobstructive coronary arteries A Systematic Review and Meta-analysis. *American College of Cardiology*, March 2020, Chicago, IL.

El Iskandarani M. Outcome of combined catheter ablation and left atrial appendage closure; a systematic review and meta-analysis. *AHA* November 2019, Philadelphia, PA

El Kurdi B, El Iskandarani M, Babar S, Alomari M, Fatima Z, Sanaka MR. Statin use is associated with decreased risk of severe acute pancreatitis: A systematic review and meta-analysis. *Digestive Disease Week* May 2020, Washington DC

El Kurdi. Inpatient Status Is Associated with Incomplete Capsule Endoscopy Examinations: A Systematic Review and Meta-Analysis. ACG San Antonio, TX October 2019

Gaddam S. A case of percutaneous coronary intervention, complicated by coronary artery perforation. TNACC, Nashville, TN November 2019

Gaddam S. Epinephrine induced myocardial infarction, a transient state or cause for concern? Tennessee ACP, Nashville, October 2019

Gagnon K, Littleton MA, Poole A, Blair C, Paul TK, Kidwell G, Wang L, Casenburg V, Frierson L, Gregory R, Voigt C, Mamudu HM. Qualitative Capacity Assessment to Identify Cardiovascular Disease Control Priorities in Central Appalachia. American Public Health Association, November 2019.

Gagnon K, Littleton MA, Poole A, Blair C, Paul TK, Kidwell G, Wang L, Casenburg V, Frierson L, Gregory R, Voigt C, Mamudu HM. Qualitative Capacity Assessment to Identify Cardiovascular Disease Control Priorities in Central Appalachia. American Public Health Association, November 2019, Philadelphia.

Haroon R, Alay M, Chakraborty K, Jaishankar D. 30-Year Relapse of Renal Cell Carcinoma Presenting as Recurrent and Refractory Epistaxis. Southern Regional Meeting, February 13-15, 2020, New Orleans, LA.

Haroon R, Chakraborty K, Jaishankar D. Bone Marrow Wars: Attack of the Clones. Poster accepted at Appalachian Student Research Forum 2020

Ibrahim M. Acute relapsing Hepatitis A virus infection after 5 years in a patient with chronic Hepatitis C virus disease. SRM society. New Orleans, Louisiana. February 2020

Ibrahim M. First report of late onset Peutz-Jegher Syndrome (PJS) with APC mutation and no alteration of PJS related STK11 gene. ASHG (American Society of Human Genetics) Houston, TX. October 2019

Ibrahim M. First Report of Late-Onset Peutz-Jegher Syndrome (PJS) with APC Gene Mutation, and No Alteration of PJS-Related STK11 Gene. 2ND ANNUAL NORTH AMERICAN MASS SPECTROMETRY SUMMER SCHOOL organized by National Institute of Health. Madison, Wisconsin July 2019

Iskandarani ME, Kurdi BE, Murtaza G, Bokhari A, Refaat M, Paul TK. Outcomes of combined catheter ablation and left atrial appendage closure for atrial fibrillation: A systematic review and meta-analysis. American Heart Association Scientific Sessions, November 2019, Philadelphia, PA.

Khalid MF, Khan AA, Murtaza G, Bagai J, Shanmugasundaram M, Paul TK. Complete Versus Culprit Vessel Only Percutaneous Coronary Intervention in ST Segment Elevation Myocardial Infarction and Multi-vessel Disease: An Updated Meta-Analysis of Randomized Trials. American College of Cardiology, March 2020, Chicago, IL.

Khalid MF, Khan AA, Murtaza G, Paul TK. Duration of Dual Antiplatelet Therapy after Percutaneous Coronary Intervention with Drug-Eluting Stent Implantation: Meta-analysis of Randomized Controlled Trials. Cardiovascular Research Technologies (CRT), Maryland, February 2020. Selected as Top abstract.

Khalid MF, Khan AA, Murtaza G, Sachdeva R, Kumar G, Desai R; Paul TK. Comparison of Biodegradable Polymer Sirolimus-Eluting stent versus Durable Polymer Everolimus-Eluting Stent: A Meta-Analysis of Randomized Trials. Cardiovascular Research Technologies (CRT), Maryland, February 2020. Selected as Top abstract.

Khalid MF, Murtaza G, Ayub M, Kohli V, Bagai J, Shanmugasundaram M, Paul TK. Clinical Outcomes of Transcatheter Aortic-Valve Replacement versus Surgical Aortic-Valve Replacement in Low to Intermediate Risk Patients with Severe Aortic Stenosis: A Meta-analysis of Randomized Trials. Cardiovascular Research Technologies (CRT), February 2020, Maryland.

Khalid MF, Murtaza G, Ayub M, Kohli V, Paul TK. Percutaneous Coronary Intervention Versus Coronary Artery Bypass Grafting for Unprotected Left Main Coronary Artery Stenosis: A Meta-analysis of Randomized Controlled Trials. Cardiovascular Research Technologies (CRT), February 2020, Maryland.

Khalid MF, Murtaza G, Ayub M, Kohli V, Sachdeva R, Kumar G, Desai R, Paul TK. Comparison of early versus delayed coronary angiography in out-of-hospital cardiac arrest without ST segment elevation myocardial infarction. American College of Cardiology, March 2020, Chicago, IL.

Khalid MF, Murtaza G, Kohli V, Truong T, Paul TK. Procedural Complications of Transcatheter Aortic-Valve Replacement versus Surgical Aortic-Valve Replacement in Low to Intermediate Risk Patients with Severe Aortic Stenosis: A Meta-analysis of Randomized Trials. Cardiovascular Research Technologies (CRT), February 2020, Maryland. Selected as Top abstract.

Kohli V, Chopra R, Bhogal S, Ramu, V, Paul TK. Efficacy of statin with ezetimibe versus statin alone in patients with acute coronary syndrome for secondary prevention of cardiovascular events: A meta-analysis of randomized trials. TN ACC Chapter meetings, November 2019, Nashville, TN.

Maeng JG, Geraci SA. Cardiovirology Clinic for Primary Prevention in HIV Patients: A Quality Improvement Project. SAFMR/SSCI Student Research Travel Award Winner. Presented at Southern Regional Meeting, Southern Society for Clinical Investigation, New Orleans Feb 15, 2020. J Invest Med Feb 2020

Mamudu HM, Gagnon K, Littleton MA, Poole A, Wang L, Blair C, Paul TK, Kidwell G, Casenburg V, Frierson L, Voigt C, Gregory R. Perceptions of Community-dwelling Patients and Caregivers of Patient-Centered Care in Central Appalachia: An Exploratory Study. American Public Health Association, November 2019, Philadelphia.

Mamudu HM, Orimaye SO, Awasthi M, Alamian A, Wang L, Stewart DW, Harirforoosh S, Awujoola AO, Oke AO, Osedeme F, Stepanov N, Paul TK. Contributing Factors to Prolonged Length of Hospital Stay after Readmission among Patients with Cardiovascular Diseases in Rural Appalachia. American Heart Association- EPI, March 2020.

Manthri S, Bahaaeldin Y, Chakraborty K, Jaishankar D. The Rarest of the Rare: A Case of Primary Cardiac Osteosarcoma. Submitted for Appalachian Student Research Forum. April 20, 2020. Johnson City, TN.

Manthri S, Oad S, Patterson E, Spradling E. Erythema nodosum - a rare side effect of immunotherapy. Southern Regional Meeting, New Orleans, LA, February 2020

Manthri S, Rehman H, Jaishankar D, Chakraborty K. Thymic Basaloid Carcinoma: A Rare Clinical Entity Poster presented: November 2019 AMA EXPO Research Symposium

Manthri S, Rehman H, Zafar R, Chakraborty-FACP, K. A Rare Case of Non-Producing Primary Plasma Cell Leukemia. Poster presented at: Appalachian Student Research Forum. April 12, 2019. Johnson City, TN.

Manthri S, Sharma P, Singal S, Chakraborty K. NSCLC Targeted Therapy: Excellent Response to Every Other Day Osimertinib. Poster presented at: Southern Society for Clinical Investigation - Southern Regional Meeting 2020, New Orleans, Louisiana.

Manthri S, Singal S, Youssef B, Chakraborty-FACP, K. Long time response with Ado-trastuzumab emtansine (T-DM1) in a recurrent metastatic breast cancer. Poster presented at: Southern Society for Clinical Investigation - Southern Regional Meeting 2019, New Orleans, Louisiana.

Manthri S, Spradling E. The other side of CAR-T-cell therapy: morbidity from toxicities. 2nd International Symposium on Biology, Prevention, and Treatment of Toxicities After Transplantation, and Cellular Therapy hosted by Memorial Sloan Kettering Cancer Center, NY, 10/11/2019.

Manthri, Sukesh; Sharma, Purva; Singal, Sakshi; Chakraborty, Kanishka. NSCLC Targeted Therapy: Excellent Response to Every Other Day Osimertinib. Poster presented at: Southern Society for Clinical Investigation - Southern Regional Meeting 2020, New Orleans, Louisiana.

Mhadgut, H., Mansurov, A., Chakraborty, K., Jaishankar, D. Androgen Deprivation Therapy in androgen receptor positive Salivary Gland Tumor. A tissue agnostic approach? Abstract presented at: 2020 Southern Regional Meeting, New Orleans, LA.

Panta U. Osteonecrosis of Jaw: Common etiology, uncommon treatments. ACP TN, Franklin, TN, October 2019

Poole A, Blair C, Wang L, Gagnon K, Littleton MA, Paul TK, Kidwell G, Wang L, Casenburg V, Frierson L, Gregory R, Voigt C, Mamudu HM. Central Appalachian Patients/Non-licensed Caregivers, Providers/Professionals, and Community Stakeholders: Describing Health Literacy/Priorities in a Medically Underserved Rural Environment. American Public Health Association, November 2019, Philadelphia.

Radadiya D, Devani K, Dziadkowiec K, Dalal S, Reddy C, Rockey D. Improvement in Mortality and Stable Readmissions at the Cost of Increasing Economic Burden of Disease in Decompensated Cirrhosis- A National Perspective. American College of Physician, April 2020, Los Angeles, CA

Radadiya D, Devani KH, Brahmbhatt B, Young M, Reddy CM. Major gastrointestinal bleeding risk with direct oral anticoagulants (DOACS): Does the type and dose matter? Results from network meta-analysis of randomized controlled trials. Digestive Disease Week, May 2020. Chicago, IL

Radadiya D, Devani KH, Charilaou P, Young M, Reddy C. Evolution in Hospitalization and Outcomes of Patients with Inflammatory Bowel Disease: Nationwide Study From 1998-2014. ACG San Antonio, TX, May 2020

Radadiya D, Devani KH, Charilaou P, Young M, Reddy C. Safety of Endoscopic Retrograde Cholangiopancreatography for Choledocholithiasis in Patients with Age ≥ 80 : A Nationwide Analysis ACG, San Antonio, TX October 2019

Radadiya D, Devani, KH, Charilaou P, Patel PD, Mark Young M, Chakradhar Reddy C, Barrett's Esophagus and Obstructive Sleep Apnea: Is There a Link? ACG, October 2019 San Antonio, TX

Radadiya D, Dziadkowiec KD, Devani KH, Charilaou P, Reddy CM. Prevalence and factors associated with opioid use in patients admitted with cirrhosis - A 10-year nationwide analysis. Digestive Disease Week, May 2020, Chicago, IL

Rehman H, Manthri S, Chakraborty K. Imatinib Associated Optic Neuritis. Poster presented: November 2019 AMA EXPO Research Symposium

Shanmugasundaram M, Murtaza G, Khalid F, Paul TK. Extended duration anticoagulation with direct oral anticoagulant for unprovoked venous thromboembolism to prevent recurrent venous thromboembolism and associated events: A meta-analysis of randomized trials. American College of Cardiology, March 2020, Chicago, IL.

Shanmugasundaram M, Skinner K, Murugapandian S, Paul TK, Kumar S, Hashemzadeh M, Movahed M, Outcomes of percutaneous coronary intervention in acute myocardial infarction with advanced chronic kidney disease. Cardiovascular Research Technologies (CRT), Maryland, February 2020.

Shanmugasundaram M., Murugapandian S, Paul TK, Hashemzadeh M, Movahed R, Outcomes of percutaneous coronary intervention in patients with advanced chronic kidney disease. American College of Cardiology, March 2020, Chicago, IL.

Skinner K, Paul TK, Kumar S, Hashemzadeh M, Movahed M, Shanmugasundaram M. In hospital outcomes following coronary atherectomy during percutaneous coronary intervention. Cardiovascular Research Technologies (CRT), February 2020, Maryland.

Smith NC, Summers JA. Decision Analysis Model of Colorectal Cancer Screening. Research Symposium, Quillen College of Medicine, June 26, 2019.

Tawadros F, Manthri S, Jaishankar D, Chakraborty-FACP K, Leptomeningeal involvement by prostate strike of an ominous hydra. Poster presented at: Southern Society for Clinical Investigation - Southern Regional Meeting 2019, New Orleans, Louisiana.

IV. EDITORIALS, WEB PAGES, LETTERS, WHITE PAPERS, Other (Non-Peer-Reviewed)
None

V. INVITED PRESENTATIONS

Paul TK. Percutaneous coronary intervention versus coronary artery bypass graft in left main revascularization. Expert Interview. Heart International. 2020;14(1)

VI. BOOKS OR BOOK CHAPTERS

Stone WL, Palau VE, Krishnan K. Prodrugs for Cancer Treatment. Chapter 8, In Recent Advancement in Prodrugs. Eds. K. Shah, D.N. Chauhan, N.S. Chauhan, P. Mishra. Lumina Datamatics, Puducherry, India, CRC Press, Taylor and Francis Ltd, 22 May 2020

Means RT. Approach to anemia, in Goldman L, Shafer AI (eds): Goldman-Cecil Medicine (26th ed) Elsevier Saunders 2019. 1028-35

VII. Ongoing Grants

<u>Title</u>	<u>Pi Last Name</u>	<u>Pi First Name</u>	<u>Funding Agency Name</u>	<u>Type</u>	<u>Start Date</u>	<u>End Date</u>
Dishner Chair of Excellence 19-20	Krishnan	K.	Endowment Funding		7/1/2019	6/30/2020
3169P - miRNA-mediated premature	Yao	Zhi	NIH	R01	12/1/2014	11/30/2020
Telomere loss and T cell aging in HBV	Yao	Zhi	NIH	R21	6/21/2018	5/31/2020
Role of Hematopoietic Stem Progenitor	Yin	Deling	NIH	R15	8/1/2018	7/31/2021
Vaccine failure in HIV Infection	Moorman	Jonathan	NIH	R15	1/1/2019	12/31/2021
S100A9 and MDSC development in Sepsis	Elgazzar	Mohamed	NIH	R35	4/1/2019	3/31/2024
Telomere loss and T cell aging in HBV	Yao	Zhi	NIH	R21	6/21/2018	5/31/2020
LIMD1-Novel Marker Associated with	Ning	Shunbin	NIH	R15	7/1/2017	6/30/2020
IPA Agreement for Zhao/Nguyen	Yao	Zhi	Veterans Affairs		7/1/2018	6/30/2020
HIV/AIDS Center of Excellence	Moorman	Jonathan	State of Tennessee		4/1/2019	3/31/2020
HIV/AIDS Center of Excellence	Moorman	Jonathan	State of Tennessee		4/1/2020	3/31/2021
HIV/AIDS Center of Excellence	Moorman	Jonathan	State of Tennessee		4/1/2021	3/31/2022
LIMD1-mediated autophagy and DNA	Ning	Shunbin	American Society of Hematology		3/1/2020	2/28/2021
MEAC Internal Medicine Reimb	Summers	Jeffrey	ETSU Physicians and Associates		7/1/2004	
340B Outpatient Drugs Program	Moorman	Jonathan	Nashville Pharmacy Services, L		8/1/2012	
Cardiology Division Fdt PR	Summers	Jeffrey	Multiple Funding Agency for Gr		7/1/2004	
MEAC Internal Medicine Fdt PR	Summers	Jeffrey	Multiple Funding Agency for Gr		7/1/2004	
A Phase II Study of Doripenem	Moorman	Jonathan	Ortho-McNeilJanssen Scientific		5/19/2007	
Phase II Trial Pneumonia	Moorman	Jonathan	Theravance		10/1/2005	
Cardiovascular Research Gift	Summers	Jeffrey	Multiple Funding COM Donations		1/1/1996	