

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

SUMMARY OF SCHOLARLY ACTIVITIES

Department of Internal Medicine

July 2015 - June 2016

I. PUBLICATIONS

A. Peer-Reviewed Journal Publications

1. Bhatheja S, Panchal HB, Barry N, Mukherjee D, Uretsky B, Paul TK. Valvular Performance and Aortic Regurgitation Following Transcatheter Aortic Valve Replacement Using Edwards valve versus Core Valve for Severe Aortic Stenosis: A Meta-analysis. *Cardiovascular Revasc Med* 2016 Jun 17(4):248-55. PMID: 26948087
2. Bossaer JB, Geraci SA, Chakraborty K. Cardiovascular toxicity and management of targeted cancer therapy: An overview for generalists. *Am J Med Sci* 2016 May;351(5):535-543. PMID: 27140715
3. Chaudhari D, Madani MA, Balbissi KA, Paul TK. Lupus myocarditis presenting as overt heart failure: Case report with review of cardiovascular manifestations of Systemic Lupus Erythematosus. *J La State Med Soc* 2015 Sep-Oct;167(5):220-2. PMID: 27159597
4. Cheng, YQ; Ren, JP; Zhao, J; Wang, JM; Zhou, Y; Li, GY; Moorman, JP; Yao, ZQ. MicroRNA-155 regulates interferon- γ production in natural killer cells via Tim-3 signaling in chronic hepatitis C virus infection. *Immunology*. 2015 Aug;145(4):485-97. doi: 10.1111/imm.12463. Epub 2015 Apr 21. PMID: 25772938
5. Cuervo-Pardo L, Barcena-Blanch MA, Gonzalez-Estrada A, Schroer B. Apps for Food Allergy: a critical assessment. *J Allergy Clin Immunol Pract*. 2015 Nov-Dec;3(6):980-981. PMID:26534743
6. Dai, J; El Gazzar, M; Li, GY; Moorman, JP; Yao, ZQ. Myeloid-derived suppressor cells: paradoxical roles in infection and immunity. *J Innate Immun*. 2015;7(2):116-26. doi: 10.1159/000368233. Epub 2014 Nov 8. Review. PMID: 25401944
7. Dimov V, Gonzalez-Estrada A, Eidelman F. Social media and the allergy practice. *Ann Allergy Asthma Immunol*. 2016 Jun;116(6):484-90. doi: 10.1016/j.anai.2016.01.021. Review. PMID: 27264563
8. Geraci SA. Medical Grand Rounds: Cornerstone or Fossil? *Acad Int Med Insight*. 2016;14:15-16.
9. Gonzalez-Estrada A, Newton LP. Does allergic conjunctivitis always require prescription eye drops?. *Cleve Clin J Med*. 2015 Dec;82(12):810-813. PMID: 26651889
10. Gonzalez-Estrada A, Cuervo-Pardo L, Ghosh B, Smith M, Pazheri F, Zell K, Wang XF, Lang DM. Popular on YouTube: A Critical Appraisal of the Education

Quality of Information Regarding Asthma. Allergy Asthma Proc. 2015 Nov; 36(6):121-126.

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- 11 Hill T, Means G, van Diepen S, Paul TK, Katz JN. Cardiovascular Critical Care: A perceived deficiency among US trainees. *Crit Care Med.* 2015 May 14. [Epub ahead of print]. PMID: 25978338
12. Jbara,M.; Maity,S.K.; Morgan, M.; Wolberger,C.; Brik, A. Chemical Synthesis of Phosphorylated Histone H2A at Tyr57 Reveals Insight into the Inhibition Mode of the SAGA Deubiquitinating Module.*Drug Targets* 17(999):1-1 March 2016 PMID: 26960207
13. Khraisha O, Al-Madani M, Peiris A, Paul TK. Gastroparesis -A novel cause of persistent thyroid stimulating hormone elevation in hypothyroidism. *J La State Med Soc* 2015;167(2):47-9
14. Kheirbek R, Fletcher R, Bakitas M, Fonarow G, Parvataneni S, Bearden D, Bailey F, Morgan CJ, Singh S, Blackman M, Zile M, Patel K, Ahmed MB, Tucker R, Brown C, Love TE, Aronow WS, Roseman J, Rich MW, Allman RM, Ahmed A. Discharge Hospice Referral and Lower 30-Day All-Cause Readmission in Medicare Beneficiaries Hospitalized for Heart Failure. *Circulation Heart Failure.* 2015;8:733-740. PMID: 26019151
15. Lavine SJ, Al Balbissi K. Adverse Cardiac Events and the Impaired Relaxation Left Ventricular Filling Pattern.*J Am Soc Echocardiogr.* 2016 Mar 19. pii: S0894-7317(16)00091-2. doi: 10.1016/j.echo.2016.02.008. [Epub ahead of print] PMID: 27004828
16. Lavine SJ, Al Balbissi KA. Reduced Longitudinal Function in Chronic Aortic Regurgitation. *J Cardiovascular Ultrasound.* 2015 Dec;23(4):219-27. doi: 10.4250/jcu.2015.23.4.219. Epub 2015 Dec 30. PMID:26755930
17. Li, GY; Zhou, Y; Ying, RS; Shi, L; Cheng, YQ; Ren, JP; Griffin, JW; Jia, ZS; Li, CF; Moorman, JP; Yao, ZQ. Hepatitis C virus-induced reduction in miR-181a impairs CD4(+) Tcell responses through overexpression of DUSP6. *Hepatology.* 2015 Apr;61(4):1163-73. doi: 10.1002/hep.27634. Epub 2015 Feb 4. PMID: 25477247
18. Ling Wang, Guangyu Li, Zhi Q. Yao, Jonathan Moorman, Shunbin Ning. MicroRNA regulation of viral immunity, latency, and carcinogenesis of selected tumor viruses and HIV. *Reviews in Medical Virology.* 2015. 25: 320-341. Aug 10. doi: 10.1002/rmv.1850. [Epub ahead of print]. PMID:26258805
19. Mamudu HM, Paul TK, Wang L, Veeranki SP, Panchal HB, Alamian A, Sarnosky K, Budoff M. MD. The effects of multiple coronary artery disease risk factors on subclinical atherosclerosis in a rural population in the United States. *Prev Med* 2016 Apr 14;88:140-146. PMID: 27090918.
20. McClure C, Ali E, Youssef D, Yao ZQ, McCall CE, and El Gazzar M. NFI-A disrupts myeloid cell differentiation and maturation in septic mice. *J Leukocyte Biology* 2015; August 10. PMID: 26259914.
21. McClure C, McPeak MB, Youssef D, Zhi Q. Yao, McCall CE, and Elgazzar M. Stat3 and C/EBP β synergize to induce miR-21 and miR-181b expression during sepsis. *Immunology and Cell Biology* Aug 9, 2016 PMID: 27430527.

22. Murrell, DE; Moorman, JP; Harirforoosh, S. Stribild: a review of component characteristics and combination drug efficacy. *Eur Rev Med Pharmacol Sci.* 2015;19(5):904-14. Review. PMID: 25807445
23. Olive KE, Kwasigroch TE, Wooten DJ, Lybrand C, Peeples CR. A Career Exploration Program: An Effective Alternative to the Traditional Use of Faculty Advisors. *Acad Med.* 2016 May 3. [Epub ahead of print] PMID: 27144992
24. Panchal HB, Barry N, Bhatheja S, Albalbissi K, Mukherjee D, Paul TK. A Meta-Analysis of mortality and major adverse cardiovascular and cerebrovascular events in patients undergoing transcatheter aortic valve replacement using Edwards valve versus Medtronic Core Valve for severe aortic stenosis. *Cardiovasc Revasc Med* 2016 Jan-Feb;17(1):24-33. PMID: 26718733
25. Panchal HB, Veeranki SP, Bhatheja S, Barry N, Mahmud E; Budoff M, Lavine SJ, Mamudu HM, Paul TK. Fractional Flow Reserve using Computed Tomography for Assessing Coronary Artery Disease: A Meta-Analysis. *J Cardiovas Med* 2016 Sep;17(9):694-700. PMID:27472038
26. Pourmorteza M, Chaudhari D, Devani K, Goenka P, Young M. Metastatic melanoma of ampulla of Vater presenting as obstructive jaundice: case report with literature review. *Translational Gastrointestinal Cancer* 2015;4:488-91.
27. Pourmorteza M, Lewis P, Tharp J, Reddy C, Litchfield J, Young M. "Proton Pump Inhibitors Use and Risk of *Clostridium difficile* Infection in Hospitalized Patients". Special supplement, October 2015 issue of *The American Journal of Gastroenterology*.
28. Pourmorteza M, Litchfield J, Carter L, McKinney J, Young M. "A Case of Esophageal Thermal Injury Following Radiofrequency Catheter Ablation Therapy". Special supplement, October 2015 issue of *The American Journal of Gastroenterology*.
29. Pourmorteza M, Pourmorteza M, Brahmabhatt P, Young M. "Mysterious Intussusception in an Adult Without a Lead Point". Special supplement, October 2015 issue of *The American Journal of Gastroenterology*.
30. Pourmorteza M, Pourmorteza M, Litchfield J, Borthwick T. "Pancreatic VIPoma: A Rare Clinical Entity Captured at the Dawn of its Manifestation. Special supplement, October 2015 issue of *The American Journal of Gastroenterology*.
31. Rai, A. B. S., Lima, E., Munir, F., Faisal Khan, A., Waqas, A., Bughio, S., ul Haq, E., Attique, H. B. and Rahman, Z. U. (2015), Speckle Tracking Echocardiography of the Right Atrium: The Neglected Chamber. *Clin Cardiol.* doi: 10.1002/clc.22438 PMID:26418622 [PubMed - as supplied by publisher].
32. Ren J, Ying R, Cheng Y, Wang L, Elgazzar M, Li G, Ning S, Moorman J, Yao Z. HCV-induced miR146a controls SOCS1/STAT3 and cytokine expression in monocytes to promote regulatory T cell development. 2016. *J Viral Hepat.* (In press) PMID: 27004559
33. Ren, JP; Zhao, J; Dai, J; Griffin, JW; Wang, L; Wu, XY; Morrison, ZD; Li, GY; El Gazzar, M; Ning, SB; Moorman, JP; Yao, ZQ. Hepatitis C virus-induced myeloid-derived suppressor cells regulate T-cell differentiation and function via the signal transducer and activator of transcription 3 pathway. *Immunology.* 2016 Aug;148(4):377-86. doi: 10.1111/imm.12616. Epub 2016 Jun 22. PMID: 27149428

34. Rives C, Chaudhari D, Cook E, Murthy R, Young M. Primary Gastric Diffuse Large B Cell Lymphoma Presenting as Gastric Outlet Obstruction: a Call for High Clinical Suspicion. *J Gastrointestinal Cancer*. 2015 Jun 27. [Epub ahead of print] PMID: 26116259.
35. Sethi P, Panchal H, Rahman Z, Forrest T, Paul TK. Breathless; at the point of a sword: a case report. *N Am J Med Sci* 2016; 8 (1): 61-64. PMID: 27011949
36. Sethi P, Sharma A, Murtaza G, Paul TK. ST segment elevation with normal coronaries. *Case Rep Med* 2016; (8-9):1-4. PMID:27403165.
37. Sitwala P, Abusara A, Ladia V, Panchal H, Radaut C, Paul TK. Unicuspid aortic valve- an uncommon anomaly with common classic presentation. *J La State Med Soc* 2016;168(2):57-59. PMID: 27383857
38. Sivagnanam K, Rahman Z, Paul TK. Cardiomyopathy associated with targeted therapy for breast cancer: *Am J Med Sci* 2016;351 (2):194-199. PMID: 26897275
39. Smith M, Gonzalez-Estrada A, Fernandez J, Subramanian A. Desensitization to Mycophenolate Mofetil: a novel 12 step protocol. *Eur Ann Allergy Clin Immunol*. 2016 Jul;48(4):147-8. PMID:27425171
40. Stuart CA, Stone WL, Howell ME, Brannon MF, Hall HK, Gibson AL and Stone MH. Myosin content of individual human muscle fibers isolated by laser capture microdissection. *Am J Physiol Cell Physiol* 310: C381-C389, 2016. PMID:6028390
41. Wang, L; Li, G; Yao, ZQ; Moorman, JP; Ning, S. MicroRNA regulation of viral immunity, latency, and carcinogenesis of selected tumor viruses and HIV. *Rev Med Virol*. 2015 Sep;25(5):320-41. doi: 10.1002/rmv.1850. Epub 2015 Aug 10. Review. PMID: 26258805
42. Wang, L; Zhao, J; Ren, J; Hall, KH; Moorman, JP; Yao, ZQ; Ning, S. Protein phosphatase 1 abrogates IRF7-mediated type I IFN response in antiviral immunity. *Eur J Immunol*. 2016 Jul 29. doi: 10.1002/eji.201646491. [Epub ahead of print] PMID: 27469204
43. Wang L, Wang K, Gao X, Paul TK, Cai J, Wang Y. Sex differences in the association between obesity and asthma in U.S. adults: Findings from a national study. *Respir Med* 2015;109(8):955-962. PMID: 26118569
44. Wang L, Zhao J, Ren JP, Wu XY, Morrison ZD, Elgazzar MA, Ning S, Moorman JP, Yao ZQ. Expansion of myeloid-derived suppressor cells promotes differentiation of regulatory T cells in HIV-1+ individuals. *AIDS*. 2016. 30(10):1521-1531. PMID: 26959508.
45. Zhou Y, Li GY, Ren JP, Wang L, Zhao J, Ning S, Zhang Y, Lian JQ, Huang CX, Jia ZS, Moorman JP, Yao ZQ. Protection of CD4+ T cells from hepatitis C virus infection-associated senescence via Δ Np63-miR-181a-Sirt1 pathway. *J Leukoc Biol*. 2016 Jun 27. pii: jlb.5A0316-119RR (In press). PMID: 27354409

B. Abstracts

1. Ahmed N, Patel N, Badeka A, Devani K, Patel A, Patel D, Yegneswaran B. 1113 Mortality and Length of Stay Associated With Endoscopic Retrograde Cholangiopancreatography (ERCP) Utilization in Acute Cholangitis Patients: A 10 Year United States Perspective. *Gastroenterology*.150:S223.
2. Bhatheja S, Panchal HB, Barry N, Rahman, Z, Albalbissi K, Paul TK. Comparison between frequency domain optical coherence tomography and intravascular

- ultrasound in detection of mechanical complications of coronary stent implantation: A meta-analysis. *Circulation: Cardiovascular Quality and Outcomes* 2015;8:A364
3. Bhatheja S, Panchal HB, Barry N, Rahman, Z, Ramu V, Paul TK. Measurement of lumen dimensions in non-stented and stented coronary arteries: A meta-analysis of frequency domain optical coherence tomography versus intravascular ultrasound. *Circulation: Cardiovascular Quality and Outcomes* 2015;8:A367
 4. Bhatheja S, Panchal HB, Rahman Z, Barry N, Ramu V, Paul TK. Post-procedural new onset atrial fibrillation in patients undergoing transcatheter aortic valve implantation versus surgical aortic valve replacement for severe aortic stenosis: A meta-analysis. *Circulation: Cardiovascular Quality and Outcomes* 2015;8:A153
 5. Bhatheja S, Singh B, Panchal HB, Paul TK. Comparison of mortality and major adverse cardiovascular events in saphenous vein graft intervention with embolic protection device versus without embolic protection device: A Meta-Analysis. *Catheter Cardiovasc Interv* 2016.
 6. Bhatheja S, Singh B, Panchal HB, Paul TK. Comparison of mortality and major adverse cardiovascular events in saphenous vein graft intervention with embolic protection device versus without embolic protection device: A Meta-Analysis. The Society for Cardiovascular Angiography and Intervention. May 2016.
 7. Bhatheja S, Panchal HB, Ventura H, Paul TK. Obesity Cardiomyopathy: Time for Nosologic Re-evaluation. *Am J Med Sci* 2016;352(2):219-2
 8. Chaudhari D, Reddy C, Young M. Lung adenocarcinoma with solitary gastric metastasis: a case report with literature review. *Translational Gastrointestinal Cancer*. Vol 4, No. 3 (May 2015).
 9. Devani K, Ahmed N, Patel N, et al. Tu1565 Acute Cholangitis: Procedural Intervention, Temporal Trends and Regional Variation: 10-Year Analysis of the National Inpatient Sample 2003-2012. *Gastrointestinal Endoscopy*.83:AB609.
 10. Devani K, Chaudhari D, Patel P, Goenka P, Young M, Endoscopic Management of Pancreatic Pseudocyst Presenting with Jaundice; *J Investig Med* 2016; 64:534. Doi: 10.1136/jim-2015-000035.113
 11. Devani K, Chaudhari D, Young M. Pancreatic Tumor Presenting as Diarrhea. *J Gastrointestinal Cancer* 2015.
 12. Devani K, Patel P, Panchal H, Young M, Reddy CM. Sa1173 Impact of Cirrhosis in Hospitalized Patient Undergoing Endoscopic Retrograde Cholangiopancreatography: Analysis of Nationwide Inpatient Sample. *Gastrointestinal Endoscopy*.83:AB242.
 13. Devani K, Patil N, Savani C, et al. Mo1155 Trends in Hospitalization and Mortality of Venous Thromboembolism in Hospitalized Colon Cancer Patients and Their Outcomes: Analysis of Nationwide Inpatient Sample. *Gastroenterology*.150:S652-S653
 14. Devani K, Patil N, Savani C, Patel P, Chaudhari D, Reddy CM. 281 Decreasing Mortality in Patients With Cirrhosis Hospitalized With Spontaneous Bacterial Peritonitis: Analysis of Nationwide Inpatient Sample. *Gastroenterology*.150:S1023.
 15. Devani K, Pourmorteza M, Kapila A, Chakraborty, Bortezomib: A Crouching Dragon, Hidden Tiger; *J Investig Med* 2016; 64:549. Doi: 10.1136/jim-2015-000035.151
 16. Devani K, Pourmorteza M, Kapila A, O'Neil TJ, Severe Hypertriglyceridemia: A

- Rare Cause of Organic Brain Syndrome and Laboratory Artifact; J Investig Med 2016; 64:493-494. Doi: 10.1136/jim-2015-000035.14
17. Devani K, Thakkar B, Savani C, Savani G, Patel A, Savani BN. Outcomes of Venous Thromboembolism in Hospitalized Non-Hodgkin Lymphoma Patients: Analysis from the Nationwide Inpatient Sample Database. Blood 2015;126:5058. DOI: <http://dx.doi.org/>
 18. Devani, Kalpit; Chaudhari, Dhara; Litchfield, John; and Young, Mark (2015) "Giant Gastric Antral Polyp Presenting as Iron Deficiency Anemia and Intermittent Gastric Outlet Obstruction," Tennessee Medicine E-Journal: Vol. 1: Iss. 4, Article
 19. Jbara M, Bajaj K, "Widowmaker" Attacking A Female in Her Twenties. Journal of Investigative Medicine. 10.1136/jim-2015-000035.88
 20. Jbara M, Tawadros F, Mamdouhi P, Hamati A. Primary metastatic tracheal cancer: a very rare respiratory cancer with diagnostic and therapeutic challenges and no clinical trials for definitive management. Journal of Investigative Medicine 10.1136/jim-2015-000035.187.
 21. Lavine SJ, Al Balbissi KA. Adverse cardiovascular events and grade 1 diastolic dysfunction. J Am Soc Echocardiogr 2015: 28, in press.
 22. Lavine SJ, Sivaganam K. Indexing Peak Rapid Filling Velocity to Both Relaxation and Filling Volume to Estimate Left ventricular Filling Pressures. J Am Soc Echocardiogr 2016, in press
 23. Mamudu HM, Jones A, Paul TK, Subedi P, Veeranki SP, Wang L, Panchal HB, Alamian A, Alamin A, Budoff M. Does neighborhood disadvantage affect subclinical atherosclerosis? Cardiology 2016, (online e-ISSN 1421-9751).
 24. Mamudu HM, Paul TK, Wang L, Veeranki SP, Panchal HB, Alamian A, Budoff M. Association between multiple modifiable risk factors of cardiovascular disease and hypertension in a rural population in the United States. American Heart Association/Atherosclerosis, Thrombosis and Vascular Biology 2016.
 25. Patel P, Devani K, Young M, Reddy CM. Su1492 Clostridium difficile: Cause of Significantly Poor Outcomes in Patients With Cirrhosis - Analysis of Nationwide Inpatient Sample. Gastroenterology.150:S1109.
 26. Phemister J, Pourmorteza M, Brahmabhatt P, Reddy C, Young M. "Hypersensitivity Reaction to Ursodiol Resulting in Cardiac Arrhythmia". Special supplement, October 2015 issue of *The American Journal of Gastroenterology*.
 27. Pourmorteza M, Al Shathir M, Roy T, Byrd R. Expected and Unexpected Electrolyte Disturbances with Bath Salt Ingestion. J Investig Med. 2015; 63(2): 343-344.
 28. Pourmorteza M, Pourmorteza M, Patel B, Peiris A, Patel P. A Case of Hyponatremia Potentiated by NSAIDS. J Investig Med. 2015; 63 (2): 328.
 29. Pourmorteza M, Rives C, Pourmorteza M, Litchfield J, McKinney J, Young M. Successful Management of Bouveret's Syndrome With Severe Esophagitis in a High-Risk Surgical. Special supplement, October 2015 issue of *The American Journal of Gastroenterology*.
 30. Pourmorteza M, Stuart CA. Pituitary Apoplexy Induced by Gonadotropin Releasing Hormone Agonist Leuprolide. J Invesig Med. 2015; 63(2): 325
 31. Rogers M, Kalra S, Moukharskaya J, Chakraborty K, Niyazi, M, Krishnan, K, Lightner J, Brannon M, Stone WL, Palau V. Synergistic inhibition of prostate

cancer cell (PC3) growth in vitro with low dose combinations of Simvastatin and Alendronate, *Anticancer Research* 35: 1851-1860, 2015

32. Sethi P, Panchal HB, Rahman Z, Bhatheja S, Paul TK. Diagnostic value of non-invasive computed tomography perfusion imaging for assessing hemodynamically significant native coronary artery lesion: A meta-analysis. *Circulation: Cardiovascular Quality and Outcomes* 2015;8:A362
33. Sethi P, Panchal HB, Rahman Z, Bhatheja S, Veeranki SP, Paul TK. Diagnostic value of non-invasive computed tomography angiography with computed tomography perfusion imaging for assessing hemodynamically significant native coronary artery lesion: *Catheter Cardiovasc Interv* 2015;85(6):S58
34. Stuart CA, Howell MEA, Brannon MF, Stone MH, Stone WL. Epigenetic Regulation of Skeletal Muscle Fiber Composition through MicroRNAs. *Diabetes* 64 (Suppl 1): 2017-P, 2015.
35. Tawadros F, Jbara M, Bajaj K. Aspirin induced respiratory disease complicated by orbital cellulitis and facial osteomyelitis. *Journal of investigative medicine* 10.1136/jim-2015-000035.70
36. Wann D, Victoria Palau, Janet Lightner, Maryann Brannon, K. Krishnan. Abstract 4639: Metformin decreases cellular ceramides in MCF-7 and MDA-MB 231 breast cancer. *Cancer Research* 08/2015; 75(15 Supplement):4639-4639. DOI:10.1158/1538-7445.AM2015-4639

C. Books or Chapters

1. Mehta JB, Dutt AK. (2015) Tuberculosis. In D Schlossberg. (Ed) *Clinical Infectious Disease*, Second Edition. (pp. 1010-1019) Cambridge University Press.
2. Stone WL, Palau V, Krishnan K. Vitamins, gastrointestinal protection and oxidative stress. In *Gastrointestinal Tissue: Oxidative Stress and Dietary Antioxidants*. Edited by: Jordi Gracia-Sancho, PhD (Institute for Biomedical Research IDIBAPS - Hospital Clinic de Barcelona) and Prof. M Josepa Salvadó, PhD (Department of Biochemistry and Biotechnology, Rovira i Virgili University). Published by Elsevier Inc. Invited Chapter, 2016

D. Proceedings

None

II. PRESENTATIONS

1. Ashley Rose, Daniel Wann, Janet Lightner, Marianne Brannon, William Stone, Victoria Palau, Koyamangalath Krishnan. Metformin suppresses synthesis of pro-survival sphingolipid, sphingosine-1-phosphate, by inhibition of sphingosine kinase-1, in MCF-7 and SK-BR-3 breast cancer cell lines. Abstract # 1784, American Association of Cancer Research (AACR), New Orleans, April 2016.
2. Bhatheja S, Singh B, Panchal HB, Paul TK. Comparison of mortality and major adverse cardiovascular events in saphenous vein graft intervention with embolic protection device versus without embolic protection device: A Meta-Analysis. *The Society for Cardiovascular Angiography and Intervention*. May 2016.
3. Bhattad V, Al Madani M, El -Khoury G, Khraisha O, Paul TK. Methadone and Prolonged QT syndrome. *Appalachian Student Research Forum* 2016.

4. Devani K, Patil N; Savani C; Patel P; Chaudhari D; Young M; Reddy C, Decreasing Mortality in Patients With Cirrhosis Hospitalized With Spontaneous Bacterial Peritonitis: Analysis of Nationwide Inpatient Sample; DDW2016, AASLD research forum, San Diego, CA
5. Devani K, Pourmorteza M, Kapila A, O'neil TJ, Severe Hypertriglyceridemia: A Rare Cause of Organic Brain Syndrome and Laboratory Artifact, Southern Regional Meeting, February 2016, New Orleans, Louisiana
6. Gaba AK. Identification of multidrug resistance (MDRG) in the respiratory tract of hospitalized patients using integrated molecular techniques: presented at ID Week 2015™, October 7-11, 2015 in San Diego, CA.
7. Gaba AK. Utility of Target Enriched Multiplex Polymerase Chain Reaction (TEM-PCR) for co-detection of potential pathogenic organisms in patients with Health Care Associated Pneumonia (HCAP), Hospital Acquired Pneumonia (HAP) and Ventilator Associated Pneumonia (VAP): presented at ID Week 2015, October 7-11, 2015 in San Diego, CA.
8. Kelley Cross, Victoria Palau, Marianne Brannon, Janet Lightner, Megan Dycus, William Stone, Koyamangalath Krishnan. Delta-tocotrienol and simvastatin induce cytotoxicity and synergy in BRAF mutant SK-MEL-28 but not in wild type BRAF SK-MEL-2 melanoma cancer cells. Abstract #1780, American Association of Cancer Research (AACR), New Orleans, April 2016.
9. Lavine SJ, Al Balbissi KA. Adverse cardiovascular events and grade 1 diastolic dysfunction. Presented at American Society of Echo Scientific Sessions, Boston, June 2015
10. Lavine SJ, Sivaganam K. Indexing Peak Rapid Filling Velocity to Both Relaxation and Filling Volume to Estimate Left ventricular Filling Pressures. Presented at American Society of Echo Scientific Sessions, Seattle, June 2016
11. Mamudu HM, Jones A, Paul TK, Subedi P, Veeranki SP, Wang L, Panchal HB, Alamian A, Alamin A, Budoff M. Does neighborhood disadvantage affect subclinical atherosclerosis? Inter Academy of Cardiology; 21st World Congress on Heart Disease, Boston, MA 2016.
12. Mamudu HM, Paul TK, Wang L, Veeranki SP, Panchal HB, Alamian A, Budoff M. Association between multiple modifiable risk factors of cardiovascular disease and hypertension in a rural population in the United States. American Heart Association/Atherosclerosis, Thrombosis and Vascular Biology 2016.
13. Mamudu HM, Paul TK, Wang L, Veeranki SP, Panchal HB, Alamian A, Budoff M. Association between multiple modifiable risk factors of cardiovascular disease and hypertension in a rural population in the United States. American Heart Association/Atherosclerosis, Thrombosis and Vascular Biology Conference 2016.
14. Mogusu E, Abusara A, Panchal HB, Zheng S, Paul TK. National trend and comparison in total charges for single vessel and multivessel percutaneous coronary intervention in all patients and patients with diabetes mellitus in the United States. Appalachian Student Research Forum 2016.
15. Owusu D, Wang K, Paul TK, Wang L. Prevalence and trends of weight status and dyslipidemia among U.S. children and adolescents from 1999-2012. Appalachian Student Research Forum 2016.
16. Panchal HB, Bhatheja, Paul TK. Not All Thrombotic Appearing Lesions are Really Thrombotic. Complex Cardiovascular Catheter Therapeutics Global

- Summit (C3). June 2016. Orlando, FL
17. Parvataneni S, Chaudhari D, Goenka P, Young M. Choledochal Cyst Complicated with Pancreatic Adenocarcinoma in an Adult. Poster to be presented at American College of Gastroenterology Annual Scientific Meeting, October 2015.
 18. Parvataneni S, Chaudhari D, Swenson J, Young M. Intestinal Ganglioneuroma: Endoscopic Findings of Cowden Syndrome. Accepted for ACG October 2015
 19. Parvataneni S, Rahman Z, Chaudhari D, Goenka P, Young M. Incomplete MEN in a Female. Poster presented at American College of Gastroenterology Annual Scientific Meeting, October 2015.
 20. Paul TK. Flow limiting massive left coronary artery dissection during routine PCI: A dreaded complication. Complex Cardiovascular Catheter Therapeutics (C3) International Global Summit 2016, Orlando, FL
 21. Parvataneni S, Chaudhari D, Swenson J, Young M. Intestinal Ganglioneuroma: Endoscopic Finding of Cowden Syndrome. Poster presented at American College of Gastroenterology Annual Scientific Meeting, October 2015.
 22. Phemister J, Pourmorteza M, Brahmabhatt P, Reddy C, Young M. “Hypersensitivity Reaction to Ursodiol Resulting in Cardiac Arrhythmia”. 80th Annual Scientific Meeting of the American College of Gastroenterology, Honolulu, HI
 23. Pourmorteza M, Litchfield J, Carter L, McKinney J, Young M. “A Case of Esophageal Thermal Injury Following Radiofrequency Catheter Ablation Therapy”. 80th Annual Scientific Meeting of the American College of Gastroenterology, Honolulu, HI
 24. Pourmorteza M, Patel B, Moorman J. Bilateral Femoral Head Avascular Necrosis in an HIV Patient. American College of Physicians (ACP) Tennessee – Chattanooga, TN, September 2015
 25. Pourmorteza M, Pourmorteza M, Brahmabhatt P, Young M. “Mysterious Intussusception in an Adult Without a Lead Point”. 80th Annual Scientific Meeting of the American College of Gastroenterology, Honolulu, HI
 26. Pourmorteza M, Pourmorteza M, Litchfield J, Borthwick T. “Pancreatic VIPoma: A Rare Clinical Entity Captured at the Dawn of its Manifestation”. 80th Annual Scientific Meeting of the American College of Gastroenterology, Honolulu, HI
 27. Pourmorteza M, Rahman Z, Mamdouhi P, Minaoui W, Sethi P, Paul T,. “Cardiac Arrest as a Consequence of Air Embolism status post CT-Guided Lung biopsy”. 2015 Tennessee Chapter Scientific Meeting (TN ACP), Chattanooga, TN.
 28. Rives C, Chaudhari D, Swenson J, Reddy C, Young M. Clostridium Perfringens Liver Abscess with Bacteremia Complicating Endoscopic Retrograde Cholangiopancreatography. Accepted for ACG October 2015.
 29. Singh B, Treece J, Bhatheja S, Sivagnanam M, Lavine S, Paul TK. Anabolic steroid induced aortic dissection in an otherwise healthy young male. Appalachian Student Research Forum 2016.
 30. Sitwala P, Ladia V, Singh B, Ramu V. Brugada syndrome mimicking Acute STEMI. American College of Physicians (ACP) Tennessee – Chattanooga, TN, September 2015

III. FACULTY PEER REVIEWERS

Charles A. Stuart, MD
Jay Metha, MD

Jonathan Moorman, MD, Ph.D.
 K. Krishnan, MD
 Kenneth Olive, MD
 Mohamed El Gazzar, Ph.D.
 Stephen Geraci, MD
 Timir Paul, MD

IV. HONORS

Alexei Gonzalez, MD, FACP has been elected to the Fellowship in the American College of Physicians.

K. Krishnan is Chief Editor and author of the Hematology section of Medscape

K. Krishnan MD, FRCP, FACP has been selected as a member of the Abstract Review Board for the 2016 ACP National Abstract Competitions.

Kenneth E. Olive, MD, was approved by the *American College of Physicians (ACP)* Board of Regents as a 2015 Master of Internal Medicine.

Stephen Geraci, MD was named Chair of Publications Oversight Committee and first physician editor of Academic Internal Medicine Insight on July 1. Directed and taught workshop on Career Development for Clinician Educators at Southern Regional Meeting of SSCI Feb 2015.

Stephen Geraci, MD, Appointed to Medical Student Education Committee, QCOM

Stephen Geraci, MD, Visiting Professor, Academy of Teaching Scholars, University of Oklahoma School of Medicine, OKC.

Timir Paul, MD was awarded the Cardiology Attending of the Year Award, 2015-2016, Presented by Cardiology Fellows, Quillen College of Medicine, ETSU.

Timir Paul, MD, Abstract Reviewer for the American Heart Association Scientific Sessions for 2016

Timir Paul, MD, Speaker, Moderator and Panelist; Complex Cardiovascular Catheter Therapeutics (C3) International Global Summit 2016, Orlando, FL

V. VISITING PROFESSORS

None

VI. RESEARCH FUNDING

PI	Title	Agency Name	Start Date	End Date	Current	Total Awarded
Krishnan	Dishner Chair of Excellence 16-17	Endowment Funding	7/1/2016	6/30/2017	31,383.00	123,000.00
Yao	Tim-3 mediated IL-12 dysregulation	Health and Human Services	4/10/2012	3/31/2017	380,540.00	582,645.00

Elgazzar	3169P - MicroRNAs and myeloid cell	Health and Human Services	9/13/2013	5/31/2018	170,194.00	1,314,710.00	
Yao	3169P - miRNA-mediated premature	Health and Human Services	12/1/2014	11/30/2019	347,976.00	1,142,668.00	
Yin	3169P - Role of Hematopoietic Stem	Health and Human Services	4/1/2015	3/31/2018	181,878.00	850,922.00	
Moorman	3169P - The Role of microRNAs in PR	Health and Human Services	5/15/2015	4/30/2017	153,331.00	359,160.00	
Yao	IPA Agreement for Jumping Ren	Veterans Affairs	5/1/2016	4/30/2017	11,673.00	69,400.00	
Moorman	HIV/AIDS Center of Excellence	State of Tennessee	4/1/2016	3/31/2017	138,483.00	336,617.00	
Ning	ASH Scholar Award	American Society of Hematology	5/1/2014	6/30/2016	4,157.00	12,500.00	
Moorman	340B Outpatient Drugs Program	Nashville Pharmacy Services, L	8/1/2012	9/30/2019	2,243,368.00	ongoing	
Moorman	A Phase II Study of Doripenem	Ortho-McNeil Janssen Scientific	5/19/2007	ongoing	3,663.00	28,600.00	
Moorman	Phase II Trial Pneumonia	Theravance	10/1/2005	ongoing	10,167.00	230,706.00	
Stuart	Cardiovascular Research Gift	Multiple Funding COM Donations	1/1/1996	ongoing	33,005.00	959,437.00	
					TOTAL	3,709,818.00	6,010,365.00