


## Curriculum Vitae

<b>Name</b>	<b>Peter Y. Kim, MD, FACC</b>	
<b>Current Position &amp; Affiliation</b>	<b>Associate Professor, Department of Cardiology, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX</b>	
<b>Country</b>	<b>USA</b>	

### Educational Background

#### Degree-Granting Education

Texas A&M University, College Station, TX, BS, 2002, Biomedical Science

Texas A&M University, College Station, TX, MD, 2004, Medicine

#### Postgraduate Training

Clinical Residency, Internal Medicine, UMDNJ-Robert Wood Johnson University Hospital, New Brunswick, NJ, 2004-2007

Clinical Fellowship, Cardiovascular, UMDNJ-Cooper University Hospital, Camden, NJ, 2007-2010

### Professional Experience

#### Academic Appointments

Assistant Professor, Department of Cardiology, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX, 2011-8/2016

Associate Professor, Department of Cardiology, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX, 9/2016-present

**Administrative Appointments/Responsibilities**

Medical Director of ECG and Holter Monitoring, Department of Cardiology, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX, 12/2010-present

Medical Director of Cardiac Monitoring, The University of Texas MD Anderson Cancer Center, Houston, TX, 11/2011-present

**Institutional Committee Activities**

Acute & Critical Care Subcommittee, Chair, 11/2019-present

Executive Committee of the Medical Staff, 11/2019-present

Medical Practice Committee, 11/2019-present

**Professional Organizations****Board Certification**

American Board of Internal Medicine, 8/2007-2030, Recertification Date: 2020

Board of Nuclear Cardiology, 12/2009-12/2019

Cardiovascular Disease, 10/2010-10/2031, Recertification Date: 2020

Board of Echocardiography, 10/2011-12/2021

**Main Scientific Publications****Peer-Reviewed Original Research Articles**

1. Yusuf SW, **Kim P**, Durand JB. Erlotinib or Gefitinib for Non-Small-Cell Lung Cancer. *New England Journal of Medicine* 364(24):2367, 6/2011.
2. Warner M, Faiz S, Koenig K, Middleton L, **Kim P**, Mouhayar E, Patel B, Bashoura L. Orthodeoxia Confounding a Diagnosis of Acute, Severe Pulmonary Hypertension With Metastatic Breast Cancer. *Chest*, 2011.
3. Iliescu C, LeBeau T, Silva G, Frusina S, Agarwal M, Iliescu G, Tomakin G, Manoukian G, Banchs J, **Kim P**, Hassan S, Durand JB. Optical coherence tomography-guided antiplatelet therapy in patients with coronary artery disease and cancer: the protect-oct registry. *Journal of the American College of Cardiology* 61(10S):E1128-E1128, 3/2013.

4. Mouhayar E, Aoun R, **Kim P**, Iliescu C. Etiology of acute limb ischemia in cancer patients. *VASCULAR MEDICINE* 18(3):157-158, 6/2013.
5. Lee HJ, Chihara D, Wang M, Mouhayar E, **Kim P**. Ibrutinib Related Atrial Fibrillation in Patients with Mantle Cell Lymphoma. *Leuk Lymphoma* 57(12):1-3, 12/2016. e-Pub 4/2016. PMID: 27087288.
6. Giza D, Lopez-Mattei J, **Kim P**, Gonzalez E, Hermann J, Iliescu G, Yang E, Hassan S, Iliescu C. Stress Induced Cardiomyopathy Triggered By Chemotherapy: When Should Cancer Therapy Be Restarted? *Journal of the American College of Cardiology* 69(11S):748-748, 3/2017.
7. Giza DE, Boccacandro F, Lopez-Mattei J, Iliescu G, Karimzad K, **Kim P**, Iliescu C. Ischemic Heart Disease: Special Considerations in Cardio-Oncology. *Curr Treat Options Cardiovasc Med* 19(37):37, 5/2017. PMID: 28425056.
8. Shumway J, Mouhayar M, Vickers H, **Kim P**, Rosenthal D, Mohamed A, Fuller C, Mouhayar E. Reproducibility and Precision of The Carotid Intima Media Thickness and Carotid Vascular Strain Measurements in Head and Neck Cancer Patients Undergoing Radiation Therapy. *VASCULAR MEDICINE* 22(3):270-270, 6/2017.
9. Lopez-Mattei J, Iliescu C, Durand JB, Hassan S, **Kim P**, Sierra-Galan L, Gladish G. The role of cardiac MRI in cardio-oncology. *Future Cardiol* 13(4):311-316, 7/2017. e-Pub 6/2017. PMID: 28639454.
10. Giza D, Moudgil R, Lopez J, **Kim P**, Iliescu C. Association between ibrutinib and mid-cavitary Takotsubo cardiomyopathy: a case report and a review of chemotherapy-induced Takostubo's cardiomyopathy. *European Society of Cardiology* 1(2):1-7, 11/2017.
11. Gurguis C, Armas L, Kantarjian H, Boddu PC, Jain P, Borthakur G, Giza D, Iliescu G, Lopez-Mattei J, **Kim P**, Garcia-Manero G, Ravandi F, Wierda W, Kornblau S, Jabbour E, Iliescu C, Cortes J. Echocardiographic Findings in Patients (pts) Receiving Tyrosine Kinase Inhibitors (TKIs) for the Treatment of Chronic Myeloid Leukemia (CML). *Blood* 130(Supplement 1):2893-2893, 12/2017.
12. Giza DE, Lopez-Mattei J, Vejpongsa P, Munoz E, Iliescu G, Kitkungvan D, Hassan SA, **Kim P**, Ewer MS, Iliescu C. Stress-Induced Cardiomyopathy in Cancer Patients. *Am J Cardiol* 120(12):2284-2288, 12/2017. e-Pub 9/2017. PMID: 29096885.
13. Hassan SA, Palaskas N, **Kim P**, Iliescu C, Lopez-Mattei J, Mouhayar E, Mougdil R, Thompson K, Banchs J, Yusuf SW. Chemotherapeutic Agents and the Risk of Ischemia and Arterial Thrombosis. *Curr Atheroscler Rep* 20(2):10, 2/2018. e-Pub 2/2018. PMID: 29423705.

14. Palaskas N, Thompson K, Gladish G, Agha AM, Hassan S, Iliescu C, **Kim P**, Durand JB, Lopez-Mattei JC. Evaluation and Management of Cardiac Tumors. *Curr Treat Options Cardiovasc Med* 20(4):29, 3/2018. e-Pub 3/2018. PMID: 29556752.
15. Lopez-Mattei J, **Kim P**, Iliescu C. Editorial commentary: Update on cardio-oncology: Novel cancer therapeutics and associated cardiotoxicities. *Trends Cardiovasc Med*. e-Pub 6/2018. PMID: 29958808.
16. Donisan T, Balanescu DV, Lopez-Mattei JC, **Kim P**, Leja MJ, Banchs J, Marmagkiolis K, Herrmann J, Gregoric I, Durand JB, Iliescu CA. In Search of a Less Invasive Approach to Cardiac Tumor Diagnosis Multimodality Imaging Assessment and Biopsy. *JACC Cardiovasc Imaging* 11(8):1191-5, 8/2018. PMID: 30092973.
17. Varghese B, Ting K, Lopez-Mattei J, Iliescu C, Kim J, **Kim P**. Aspergillus endocarditis of the mitral valve with ventricular myocardial invasion, cerebral vasculitis, and intracranial mycotic aneurysm formation in a patient with hemophagocytic lymphohistiocytosis. *Med Mycol Case Rep* 21:49-51, 9/2018. e-Pub 5/2018. PMID: PMC5944398.
18. AZarifa, MSalih, JLopez, HLee, CIliescu, SHassan, NPalaskas' JBDurand, EMouhayar, JKim, **PKim**. Cardiotoxicity of FDA-approved immune checkpoint inhibitors: A rare but. *Journal of Immunotherapy and Precision Oncology*, 9/2018.
19. Iliescu C, Balanescu DV, Donisan T, Giza DE, Muñoz Gonzalez ED, Cilingiroglu M, Song J, Mukerji SS, Lopez-Mattei JC, **Kim PY**, Palaskas N, Mouhayar EN, Durand JB, Marmagkiolis K. Safety of Diagnostic and Therapeutic Cardiac Catheterization in Cancer Patients with Acute Coronary Syndrome and Chronic Thrombocytopenia. *Am J Cardiol* 122(9):1465-1470, 11/2018. e-Pub 8/2018. PMID: 30180958.
20. Liu VY, Agha AM, Lopez-Mattei J, Palaskas N, **Kim P**, Thompson K, Mouhayar E, Marmagkiolis K, Hassan SA, Karimzad K, Iliescu CA. Interventional Cardio-Oncology: Adding a New Dimension to the Cardio-Oncology Field. *Front Cardiovasc Med* 5(48):48, 2018. e-Pub 5/2018. PMID: PMC5967297.
21. Agha AM, Parwani P, Guha A, Durand JB, Iliescu CA, Hassan S, Palaskas NL, Gladish G, **Kim PY**, Lopez-Mattei J. Role of cardiovascular imaging for the diagnosis and prognosis of cardiac amyloidosis. *Open Heart* 5(2):e000881, 2018. e-Pub 9/2018. PMID: PMC6173267.
22. Balanescu DV, Monlezun DJ, Donisan T, Boone D, Cervoni-Curet F, Palaskas N, Lopez-Mattei J, **Kim P**, Iliescu C, Balanescu SM. A Cancer Paradox: Machine-Learning Backed Propensity-Score Analysis of Coronary Angiography Findings in Cardio-Oncology. *J Invasive Cardiol* 31(1):21-26, 1/2019. PMID: 30611123.

23. Ghotra AS, Thompson K, Lopez-Mattei J, Bawa D, Hernandez R, Banchs J, Palaskas N, Iliescu C, **Kim P**, Yusuf SW, Hassan SA. Cardiovascular manifestations of Erdheim-Chester disease. *Echocardiography* 36(2):229-236, 2/2019. e-Pub 12/2018. PMID: 30569522.
24. Palaskas N, Morgan J, Daigle T, Banchs J, Durand JB, Hong D, Naing A, Le H, Hassan SA, Karimzad K, Mouhayar E, **Kim P**, Lopez-Mattei J, Thompson K, Yusuf SW, Iliescu C. Targeted Cancer Therapies With Pericardial Effusions Requiring Pericardiocentesis Focusing on Immune Checkpoint Inhibitors. *Am J Cardiol* 123(8):1351-1357, 4/2019. e-Pub 1/2019. PMID: 30765065.
25. Balanescu DV, Donisan T, Dayah T, Palaskas N, Lopez-Mattei J, **Kim P**, Pinnix CC, Moudgil R, Balanescu SM, Herrmann J, Cilingiroglu M, Marmagkiolis K, Iliescu C. Refractory radiation-induced coronary artery disease: mapping the path and guiding treatment with optical coherence tomography. *Int J Cardiovasc Imaging* 35(5):759-760, 5/2019. e-Pub 2/2019. PMID: 30758691.
26. Balanescu DV, Donisan T, Lopez-Mattei J, Hassan S, **Kim P**, Dasari A, Halperin D, Yao J, Kar B, Gregoric I, Balanescu SM, Iliescu C. The 1, 2, 3, 4 of carcinoid heart disease: Comprehensive cardiovascular imaging is the mainstay of complex surgical treatment. *Oncol Lett* 17(5):4126-4132, 5/2019. e-Pub 11/2018. PMCID: PMC6444330.
27. Zarifa A, Albittar A, **Kim P**, Hassan S, Palaskas N, Iliescu P, Durand JB, Lopez-Mattei J. Cardiac toxicities of anticancer treatments: chemotherapy, targeted therapy and immunotherapy. *Current opinion in cardiology* 34(4):441-450, 7/2019.
28. Balanescu SM, Balanescu DV, Donisan T, Yang EH, Palaskas N, Lopez-Mattei J, Hassan S, **Kim P**, Cilingiroglu M, Marmagkiolis K, Kar B, Iliescu C. The Onco-cardiologist Dilemma: to Implant, to Defer, or to Avoid Transcatheter Aortic Valve Replacement in Cancer Patients with Aortic Stenosis? *Curr Cardiol Rep* 21(8):83, 7/2019. e-Pub 7/2019. PMID: 31286273.
29. Sudasena D, Balanescu DV, Donisan T, Hassan S, Palaskas N, **Kim P**, Karimzad K, Lopez-Mattei J, Arain S, Gould KL, Iliescu C. Fulminant Vascular and Cardiac Toxicity Associated with Tyrosine Kinase Inhibitor Sorafenib. *Cardiovasc Toxicol* 19(4):382-387, 8/2019. e-Pub 12/2018. PMID: 30543051.
30. Tran P, Monlezum D, De Sirkar S, Iliescu G, **Kim P**, Lopez-Mattei J, Palaskas N, Durand JB, Iliescu C. Takotsubo cardiomyopathy preferentially impacts patients by primary malignancy type: multi-center nationally representative analysis of over 6 million hospitalizations. *Journal of Cardiac Failure* 25(8):S94, 8/2019.

31. Borovac JA, Kwok CS, Iliescu C, Lee HJ, **Kim PY**, Palaskas NL, Zaman A, Butler R, Lopez-Mattei JC, Mamas MA. Percutaneous Coronary Intervention and Outcomes in Patients With Lymphoma in the United States (Nationwide Inpatient Sample [NIS] Analysis). *Am J Cardiol* 124(8):1190-1197, 10/2019. e-Pub 7/2019. PMID: 31395298.
32. Donisan T, Balanescu DV, Palaskas N, Lopez-Mattei J, Karimzad K, **Kim P**, Charitakis K, Cilingiroglu M, Marmagkiolis K, Iliescu C. Cardiac Interventional Procedures in Cardio-Oncology Patients. *Cardiol Clin* 37(4):469-486, 11/2019. PMID: 31587788.
33. Hostetter L, Monlezun d, Thannoun T, Pabba K, Lawless SM, Pate R, Grable C, Zheng d, Chen N, Palaskas N, Lopez-Maei J, **Kim P**, Cilingiroglu M, Marmagkiolis K, Iliescu C. Transcatheter Aortic Valve Replacement Reduces Inpatient Costs and Length of Stay for Cancer Patients With Severe Aortic Stenosis. *Circulation* 140(Suppl 1):A4614-A14614, 11/2019.
34. A Agha, AZarifa, **PKim**, CIliescu, GGladish, SHassan, NPalaskas, JBDurand, YLu, JLopez. The Role of Cardiovascular Imaging and Serum Biomarkers in Identifying Cardiotoxicity Related to Cancer Therapeutics. *METHODIST DEBAKEY CARDIOVASC J*:266, 12/2019.
35. T Donisan, D Balanescu, G Iliescu, J Mopez, N Palaskas, **P Kim**, JB Durand, S Balanescu, K Marmagkiolis, C Iliescu. Acute drops in ejection fraction in contemporary cardio-oncology: old diagnosis, new offenders. *Romanian Journal of Cardiology* 29(2):246-250, 2019.
36. Agha AM, Lopez-Mattei J, Donisan T, Balanescu D, Iliescu CA, Banchs J, **Kim PY**, Palaskas NL, Yusuf S, Gladish G, Hassan S. Multimodality imaging in carcinoid heart disease. *Open Heart* 6(1):e001060, 2019. e-Pub 6/2019. PMCID: PMC6560671.
37. Parwani P, Co M, Ramesh T, Akhter N, Iliescu C, Palaskas N, **Kim P**, Gladish G, Stojanovska J, Abramov D, Lopez J. Differentiation of Cardiac Masses by Cardiac Magnetic Resonance Imaging. *Current Cardiovascular Image Report*, 1/2020.
38. Lopez-Mattei J, Verstovsek S, Fellman B, Iliescu C, Bhatti K, Hassan SA, **Kim P**, Gray BA, Palaskas NL, Grosu HB, Mamas MA, Faiz SA. Prevalence of pulmonary hypertension in myelofibrosis. *Ann Hematol* 99(4):781-789, 4/2020. e-Pub 2/2020. PMID: 32076825.
39. Pushparaji B, Marmagkiolis K, Miller C, Aziz M, Balanescu D, Donisan T, Palaskas N, **Kim P**, Lopez-Mattei J, Cilingiroglu M, Hassan S, Iliescu C. State-of-the-art Review: Interventional Onco-Cardiology. *Current Treatment Options in Cardiovascular Medicine* 22(5):1-24, 5/2020.

40. Balanescu DV, Donisan T, Palaskas N, Lopez-Mattei J, **Kim PY**, Buja LM, McNamara DM, Kobashigawa JA, Durand JB, Iliescu CA. Immunomodulatory treatment of immune checkpoint inhibitor-induced myocarditis: Pathway toward precision-based therapy. *Cardiovasc Pathol* 47:107211, Jul - Aug, 7/2020. e-Pub 2/2020. PMID: 32268262.
41. Balanescu DV, Donisan T, Deswal A, Palaskas N, Song J, Lopez-Mattei J, **Kim PY**, Durand JB, Doundoua D, Marmagkiolis K, Iliescu C. Acute myocardial infarction in a high-risk cancer population: Outcomes following conservative versus invasive management. *Int J Cardiol* 313:1-8, 8/2020. e-Pub 4/2020. PMID: 32320781.
42. Simbaqueba CC, Aponte MP, **Kim P**, Deswal A, Palaskas N, Iliescu C, Jahangir E, Yang E, Steiner R, Lopez-Mattei J. Cardiovascular complications of chimeric antigen receptor T-cell therapy: the cytokine release syndrome and associated arrhythmias. *Journal of Immunotherapy and Precision Oncology* 3(3):113-120, 8/2020.
43. Gill C, Lee M, Balanescu DV, Donisan T, Canache AJS, Palaskas N, Lopez-Mattei J, **Kim PY**, Song J, Yang EH, Cilingiroglu M, Kar B, Gregoric I, Marmagkiolis K, Iakobishvili Z, Iliescu C. Transcatheter and Surgical Aortic Valve Replacement Impact on Outcomes and Cancer Treatment Schedule. *Int J Cardiol*. e-Pub 8/2020. PMID: 32858137.
44. Bravo-Jaimes K, Marcellon R, Varanitskaya L, **Kim PY**, Iliescu C, Gilchrist SC, Baldassarre LA, Manisty C, Ghosh AK, Guha A, Lopez-Mattei JC. Opportunities for improved cardiovascular disease prevention in oncology patients. *Curr Opin Cardiol* 35(5):531-537, 9/2020. PMID: 32649353.
45. Balanescu DV, Aziz MK, Donisan T, Palaskas N, Lopez-Mattei J, Hassan S, **Kim P**, Song J, Ntim W, Cilingiroglu M, Marmagkiolis K, Iliescu C. Cancer treatment resumption in patients with new-generation drug-eluting stents. *Coron Artery Dis*. e-Pub 11/2020. PMID: 33196581.
46. Agha AM, Gill C, Balanescu DV, Donisan T, Palaskas N, Lopez-Mattei J, Hassan S, **Kim PY**, Charitakis K, Cilingiroglu M, Oo TH, Kroll M, Durand JB, Hirsch-Ginsberg C, Marmagkiolis K, Iliescu C. Identifying Hemostatic Thresholds in Cancer Patients Undergoing Coronary Angiography Based on Platelet Count and Thromboelastography. *Front Cardiovasc Med* 7:9, 2020. e-Pub 2/2020. PMID: PMC7033624.
47. Zarifa A, Lopez-Mattei J, Palaskas N, Iliescu C, Durand JB, **Kim PY**. Immune Checkpoint Inhibitors (ICIs)-Related Cardiotoxicity. *Adv Exp Med Biol* 1244:277-285, 2020. PMID: 32301022.
48. **Kim P**, Masha L, Olson A, Iliescu C, Karimzad K, Hassan S, Palaskas N, Durand JB, Cheuk H, Lopez-Mattei J. QT Prolongation in Cancer Patients. *Frontiers in Cardiovascular Medicine* 8:45, 2021. In Press

**Invited Articles**

1. **Kim P**, Ewer M. Chemotherapy and QT prolongation: Overview with Clinical Perspective. *Current Treatment Options in Cardiovascular Medicine* 16(5):303, 5/2014.
2. **Kim PY**, Irizarry-Caro JA, Ramesh T, Iliescu C, Lopez-Mattei JC. Diagnosis and Management of QT Prolongation in Cancer Patients. *JACC: CardioOncology*. In Press.

**Other Articles**

1. Schechter M, Balanescu DV, Donisan T, Dayah TJ, Kar B, Gregoric I, Giza DE, Song J, Lopez-Mattei J, **Kim P**, Balanescu SM, Cilingiroglu M, Toutouzas K, Smalling RW, Marmagkiolis K, Iliescu C. An update on the management and outcomes of cancer patients with severe aortic stenosis. *Catheter Cardiovasc Interv* 94(3):438-445, 9/2019. e-Pub 12/2018. PMID: 30549397.
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