# Curriculum Vitae

Manu Mysore, MD

Assistant Professor, Department of Cardiovascular Medicine

University of Maryland School of Medicine

**Date** May 20, 2022

**Contact Information**

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**Education**

2012                     B.S. Chemistry, Duke University, Durham, NC

2016                    M.D., Louisiana State Health Sciences Center, New Orleans, LA

**Post Graduate Education and Training**

2016-2019 Internship/Residency, University of Virginia Medical Center, University of Virginia School of Medicine, Charlottesville, VA

2019-2022 Cardiology Fellowship, University of Maryland Medical Center, University of

 Maryland School of Medicine, Baltimore, MD

**Certifications**

2019                  American Board of Internal Medicine, 2019-2029

2021 National Board of Echocardiography, 2021-2031

2021 Certification Board of Nuclear Cardiology, 2021-2031

**Medical Licensures**

Unrestricted Virginia Medical License: Inactive

Unrestricted Pennsylvania Medical License: Inactive

Drug Enforcement Administration License: Active Until 1/31/2023

Maryland Controlled Substances License: Active Until 4/30/2023

Unrestricted Maryland Medical License: Active Until 9/30/2023

**Academic Appointments**

2022-present Assistant Professor of Medicine, Division of Cardiovascular Medicine, University of Maryland School of Medicine

**Professional Society Membership**

2019-present General Member, American College of Cardiology

2021-present General Member, American Society of Echocardiography

**Honors And Awards**

2010 North Carolina American Chemical Society Undergraduate Research Fellowship in Chemistry

2011 Duke Undergraduate Summer Research Fellowship in Chemistry

2013 National Institute of Diabetes and Digestive and Kidney Diseases Medical Student Summer Research Program in Diabetes Fellowship at Vanderbilt University Medical Center

2015 Gold Humanism Honor Society Inductee

2017 UVA Department of Medicine Resident Research Grant

2018 2nd Place in the Oral Research Presentation Category at the Virginia ACP

 Associates’ Meeting at Virginia Commonwealth University

2020 Nominated as the University of Maryland Representative to the CardioNerds

 Ambassador Council

**Local Service**

2013-Present Duke Alumni Admissions Committee Volunteer – Interviewed high school

 students across New Orleans and Baltimore for admissions to Duke University

**Teaching Service**

2020 University of Maryland School of Medicine small group educator led by

 Shawn Robinson, MD

2021 Annual Cardiology Fellow Echo Bootcamp Lecturer – Right Ventricle

**PUBLICATIONS:**

**Peer Reviewed Journal Articles**

1. Mwansa, H., Bilchick, K., Parker, A., Harding, W., Ruth, B., Kennedy, J., **Mysore, M**., Kwon, Y., Mihalek, A., Mazimba, S. Decreased Pulmonary Arterial Proportional Pulse Pressure is Associated with Increased Mortality in Group 1 Pulmonary Hypertension. *Clin Cardiol*. 2017;40(11):988-992.
2. Harrington J, **Mysore M**, Yu T, and Crumbliss A. The Kinetics of Dimethylhydroxypyridinone Interactions with Iron(III) and the Catalysis of Iron(III) Ligand Exchange Reactions: Implications for Bacterial Iron Transport and Combination Chelation Therapies. *Dalton Transactions*. 2018; 47(20):6954-6964.
3. **Mysore M**., Bilchick, K., Ababio P, Ruth B., Harding, W., Breathett, K., Chadwell, K., Patterson, B., Mwansa, H., Jeukeng, C., Kwon, Y., Kennedy, J., Mihalek, A., and Mazimba, S. Right atrial to left atrial volume index ratio is associated with increased mortality in patients with pulmonary hypertension. *Echocardiography.* 2018;35(11):1729-1735.
4. Mwansa, H., Welch, T., Kennedy, J., Breathett, K., Mihalek, A., Harding, W., **Mysore, M**., Zhou, D., Bilchick, K., M., and Mazimba, S. Hemodynamically Derived Pulmonary Artery Pulsatility Index Predicts Mortality in Pulmonary Arterial Hypertension. *J Heart Lung Transplant*. 2019;28(5),752-760.
5. Ruth, B., Bilchick, K., **Mysore, M**., Mwansa, H., Harding, W., Kennedy, J., Mazurek, J., Mihalek, A., Smith, L, Lopez, E., Parker, A., Welch, T., and Mazimba, S. Increased Pulmonary-Systemic Pulse Pressure Ratio is Associated with Increased Mortality in Group 1 Pulmonary Hypertension. *Heart Lung Circ.* 2019;28(7),1059-1066.
6. Kim, Y., Chekka, P., **Mysore, M**., Childress, J., Alfaraidhy, M., Thomas, A., Taylor B., Mikdashi, J., Liu, S., and Wang, L. Isolated Antineutrophil Cytoplasmic Antibody-Associated Coronary Vasculitis and Valvulitis. *JACC Case Rep.* 2021;3(2):309-313.

**Abstracts/ Posters**

1. **Mysore M**, Siburt C, Harrington J, and Crumbliss A (2010, September). Iron exchange between a siderophore carrier and a bidentate chelator: A kinetic analysis. *North Carolina Local American Chemical Society Meeting* 2010, Raleigh, NC.
2. **Mysore M**, Matsushita K, Yang H, and Fogo A (2013, July). Combined, pioglitazone, a PPARγ agonist, and azilsartan, an ARB, have more effect on the regression of glomerulosclerosis through both the PPARγ and AT receptor pathway. *National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) Medical Student Research Symposium* 2013, Vanderbilt University, Nashville, TN.
3. Harrington J, **Mysore M**, Yu T, and Crumbliss A (2014, July). Models for ferri-siderophore exchange: catalysis of iron (III) exchange between hexadentate chelators by a bidentate hydroxypyridinone small molecule. *Biometals* 2014, Duke University, Durham, NC.
4. Mazimba S., Kennedy, J., **Mysore, M**., Mazurek, J., Mihalek, A., Smith, L., Welch, T., Harding, W., Bilchick, K. Pulmonary-Systemic Pulse Pressure Ratio is Associated with Adverse Outcomes in Group 1 Pulmonary Hypertension. *JACC*. 2017;69(11):1920.
5. Ruth, B., Bilchick, K., **Mysore, M**., Harding, W., Breathett, K., Parker, A., Bergin, J., Kennedy, J., and others. Increased Pulmonary to Systemic Pulse Pressure Ratio is Associated with Adverse Clinical Outcomes in Advanced Heart Failure. *Journal of Cardiac Failure*. 2017;23(8):56.
6. **Mysore, M**., Bilchick, K., Ruth, B., Harding, W., Jeukeng, C., Kennedy, J., Mihalek, A., Mazimba, S. Right Atrial to Left Atrial Volume Index Ratio is Associated with Mortality in Patients with Pulmonary Hypertension. *Journal of Cardiac Failure*. 2017;23(8):48.
7. Harding, W., **Mysore, M**., Kennedy, J., Mihalek, A., Bilchick, K., Mazimba, S. Contemporary Patient Characteristics and Referral Patterns to a Pulmonary Hypertension Clinic at an Academic Medical Center. *Journal of Cardiac Failure*. 2017;23(8):115.
8. **Mysore, M**., Bilchick, K., Harding, W., Kennedy, J., Mihalek, A., Smith, L., Mazimba, S.

 Association of Hospital Costs for Pulmonary Hypertension Care with World Health Organization

 Group Classification. *Journal of Cardiac Failure*. 2017;23(8):103.

1. **Mysore, M**., Bilchick, K., Ruth, B., Harding, W., Jeukeng, C., Kennedy, J., Mihalek, A., Mazimba, S. Right Atrial to Left Atrial Volume Index Ratio is Associated with Mortality in Patients with Pulmonary Hypertension. *National American College of Physicians* 2018, New Orleans, LA.
2. **Mysore, M**., Bilchick, K., Harding, W., Ruth, B., Chadwell, K., Kennedy, J., Mihalek, A., and Mazimba, S. Right Ventricular End Diastolic Pressure to Pulmonary Arterial Wedge Pressure is Associated with Mortality in Patients with Pulmonary Hypertension. *Circulation*. 2018;138:A12791.
3. Mazimba, S., Baafi, P., David S., **Mysore M.,** Sawch, D., Benjamin, C., Mehta, N., Butler, J., Tallaj, J., Kennedy, J., Mihalek, A., Hossack, J., Breathett, K., Chadwell, K., and Bilchick, K. Pulmonary Diastolic Decay Time is a Novel Index Associated with Severe Hemodynamic Impairments in Patients with Pulmonary Hypertension. JACC. 2019;73(9.1):1946.
4. **Mysore, M.,** Kim, Y., Chekka, P., Alfaraidhy, M., Li, K., Wang, L., and Liu, S. A Case of Ostial Left Main Disease: Operate First? JACC. 2020;75(11.1)3063.

**Published Multimedia**

1. **Mysore, M,** Desai, K, Zviman, A, Butler, S, Srivastava, M, and Goyal, A(host). “A Rare Cause of Postpartum Angina and Arrest – University of Maryland.” *Cardionerds,* 22 Feb. 2021.
2. **Mysore, M**, Amir, R, Samanta, S, Ramani, G, Desai, K (host), and Goyal, A(host). “Feeling Dyspneic & Rejected – University of Maryland.” *Cardionerds,* 25 March 2021.

**Major Invited Speeches**

1. **Mysore, M**., Bilchick, K., Ruth, B., Harding, W., Jeukeng, C., Kennedy, J., Mihalek, A., Mazimba, S. Right Atrial to Left Atrial Volume Index Ratio is Associated with Mortality in Patients with Pulmonary Hypertension. *Virginia ACP Associates’ Meeting* 2018, Virginia Commonwealth University, Richmond, VA.
2. **Mysore, M**. “Prevention and Treatment of Coronary Artery Disease who have Undergone Radiation Therapy for Refractory Lymphoma” Grand Rounds presentation at *University of Maryland St. Joseph’s Hospital*. Baltimore, Maryland. 8 April 2021.
3. **Mysore, M.** “Cardio-Oncology: Advances in Immunotherapy” Grand Rounds presentation at the *University of Maryland Medical Center*. Baltimore, MD. 12 May 2022.