Curriculum Vitae

John E. Smith, MD

A. Identifying Data

Name	John Edward Smith
Website	https://johnsmith.com

B. Academic History

Colleges and Universities Attended:

9/2005 – 5/2009	B.S.	Biochemistry	Ivy League University
8/2009 – 5/2011	M.S.	Molecular Biology	State University
8/2011 – 5/2015	M.D.	Medicine	Top Medical School

Post-graduate Training:

6/2015 – 6/2018	Residency in Internal Medicine, University Hospital
7/2018 – 6/2021	Fellowship in Cardiology, Academic Medical Center
7/2021 – 6/2022	Advanced Fellowship in Interventional Cardiology, Research Institute

Board Certification:

10/2018	American Board of Internal Medicine
11/2021	American Board of Cardiovascular Disease

Licensure:

7/2015	Physician and Surgeon, State Medical Board

C. Employment

Academic Appointments:

7/2022 – Present	Assistant Professor, Department of Medicine, Division of Cardiology, University Medical Center
8/2022 – Present	Attending Physician, Cardiac Catheterization Laboratory, University Hospital

Other Appointments:

6/2008	Research Assistant, Cardiovascular Research Lab, Ivy League University
6/2010 – 8/2010	Clinical Research Intern, National Heart Institute
7/2013	Medical Student Researcher, Global Health Initiative, Top Medical School
9/2016 – 6/2018	Quality Improvement Fellow, Department of Medicine, University Hospital

D. Teaching and Clinical Care

Clinical Teaching Responsibilities:

9/2022 – Present	Course Director, Cardiovascular Physical Examination, Medical Student Education, University Medical Center
7/2023 – Present	Faculty Mentor, Cardiology Fellowship Program, University Medical Center

Students / Trainees / Mentorship:

6/2023 – Present	Jane Doe, MD/PhD Student, School of Medicine, University Medical Center, 2 hours / week Advising thesis project on novel biomarkers for early detection of heart failure.
9/2023 – Present	Richard Roe, Cardiology Fellow, Department of Medicine, University Medical Center, 1 hour / week Mentoring research project on outcomes of transcatheter aortic valve replacement in octogenarians.

E. Public and Professional Service

Community Service Related to Professional Work:

6/2016 – Present	Volunteer Physician, Free Medical Clinic, Local Community Health Center
9/2019 – Present	Medical Advisory Board Member, Heart Health Foundation
3/2021 – Present	Scientific Committee Member, National Cardiovascular Disease Prevention Initiative

Professional Societies:

2015	Member, American College of Physicians
2018	Member, American Heart Association
2021	Fellow, American College of Cardiology
2022	Member, Society for Cardiovascular Angiography and Interventions

Ad Hoc Reviewer:

2020	Journal of the American College of Cardiology
2021	Circulation
2022	New England Journal of Medicine

F. Post-Degree Honors and Awards

5/2015	Alpha Omega Alpha Honor Medical Society, Top Medical School
6/2018	Resident Teacher of the Year Award, Department of Medicine, University Hospital
11/2020	Young Investigator Award, American Heart Association Scientific Sessions
9/2021	Excellence in Research Award, Cardiology Fellowship Program, Academic Medical Center
3/2023	Early Career Investigator Grant, National Heart, Lung, and Blood Institute
6/2024	Outstanding Junior Faculty Award, Department of Medicine, University Medical Center

G. Bibliography

Peer-reviewed articles

1. **Smith, J. E.**, Johnson, A. B., Williams, C. D. & Brown, D. E. Cost-Effectiveness of Screening Strategies for Coronary Artery Disease in Asymptomatic Adults. *Journal of the American College of Cardiology* **64,** 895–907. http://dx.doi.org/10.1016/j.jacc.2014.05.057 (2014).
2. Johnson, A. B., **Smith, J. E.**, Williams, C. D., Davis, E. F. & Wilson, F. G. Predictors of Major Adverse Cardiovascular Events in Patients with Heart Failure with Preserved Ejection Fraction. *Circulation* **134,** 1225–1236. http://dx.doi.org/10.1161/CIRCULATIONAHA.116.022362 (2016).

Peer-reviewed articles, submitted

1. Johnson, S. N. & **Smith, J. E.** *Virtual Patients in Cardiology Education: A Novel Approach Using AI for Simulating Complex Clinical Scenarios* 2024. https://doi.org/10.48550/arXiv.2405.20000.
2. Wilson, J., Davis, C. & **Smith, J.E.** Artificial Intelligence in Echocardiography Interpretation: A Systematic Review and Meta-Analysis. *Journal of the American Society of Echocardiography - in press* (2024).

Peer-reviewed abstracts

1. **Smith, J. E.**, Johnson, A. B. & Brown, M. L. Long-Term Outcomes of Early Invasive Strategy in Non-ST Elevation Myocardial Infarction: A 10-Year Follow-Up Study. **in** *American Heart Association Scientific Sessions* (Chicago, Illinois, 2023).
2. Johnson, S. N., **Smith, J. E.** & Davis, C. D. Artificial Intelligence in Cardiovascular Imaging: Current Applications and Future Directions. **in** *European Society of Cardiology Congress* (Paris, France, 2024).

Book chapters

1. **Smith, J. E.** & Wilson, G. K. *Cardiovascular Emergencies* **in** *Emergency Medicine: A Comprehensive Study Guide* (**editors** Brown, D. M., Johnson, S. K. & Howard, L.) (McGraw Hill, 2022).
2. **Smith, J. E.** & Johnson, G. K. *Advanced Heart Failure Management* **in** *Textbook of Cardiovascular Medicine* (**editors** Williams, M. A., Davis, K. & Brown, R.) 5 **edition** (Elsevier, Philadelphia, PA, 2023).

Books

1. **Smith, J. E.** *Handbook of Interventional Cardiology: A Practical Guide* (Oxford University Press, 2023).

Digital publications and datasets

1. **[dataset] Smith, J. E.** & Johnson, J. *CardioAI: A Comprehensive Dataset for AI Applications in Cardiology (v1.0)* (Zenodo, 2023). https://doi.org/10.5281/zenodo.1234567.
2. **[dataset] Smith, J. E.**, Davis, S. & Wilson, D. *ECG Interpretation Challenge: A Benchmark Dataset for AI Models (v2.0)* (Physionet, 2024). https://doi.org/10.13026/abcd-efgh.

Other publications

H. Invited Presentations

Local presentations

9/2018 **Smith, J. E.**. Advances in Cardiovascular Risk Assessment. Grand Rounds, Department of Medicine, University Hospital.

3/2019 **Smith, J. E.**, Johnson, A. B. Novel Biomarkers in Acute Coronary Syndrome. Cardiology Fellowship Lecture Series, Academic Medical Center.

11/2020 **Smith, J. E.** Optimizing Door-to-Balloon Time in ST-Elevation Myocardial Infarction. Quality Improvement Seminar, University Hospital.

5/2021 **Smith, J. E.** The Role of Cardiac MRI in Diagnosing Myocarditis. Radiology-Cardiology Joint Conference, University Medical Center.

2/2022 **Smith, J. E.** Transcatheter Aortic Valve Replacement: Current Evidence and Future Directions. Cardiovascular Medicine Update, State Medical Society.

10/2023 **Smith, J. E.**, Davis, C. D. Artificial Intelligence in Cardiovascular Imaging: Promises and Pitfalls. Medical Informatics Symposium, University Medical Center. https://medcenter.edu/ai-cardio-imaging

National presentations:

11/2019 Smith, J.E., Johnson, A.B., Brown, M.L. Long-term Outcomes of Early Invasive Strategy in Non-ST Elevation Myocardial Infarction. American Heart Association Scientific Sessions, Philadelphia, Pennsylvania.

3/2021 **Smith, J. E.**, Davis, C. D., Wilson, E. F. Predictors of Major Adverse Cardiovascular Events in Patients with Coronary Microvascular Dysfunction. American College of Cardiology Annual Scientific Session, Atlanta, Georgia.

5/2023 **Smith, J. E.**, Johnson, A. B., Lee, R. S. Impact of Frailty on Outcomes After Transcatheter Aortic Valve Replacement: A Multi-Center Analysis. Society for Cardiovascular Angiography and Interventions Scientific Sessions, Phoenix, Arizona.