

CURRICULUM VITAE

Michael F. Morris, M.D.

PERSONAL INFORMATION

Address Banner University Medical Center – Phoenix
 Department of Radiology
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 Phoenix, AZ 85006
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PROFESIONAL EXPERIENCE

2011-present Clinical Assistant Professor
 Department of Radiology
 University of Arizona College of Medicine – Phoenix
 Banner University Medical Center – Phoenix
2016-present Adjunct Assistant Professor
 Department of Diagnostic Radiology
 University of Texas MD Anderson Cancer Center

EDUCATION

1998 University of Wisconsin-Madison, Madison, WI
 Bachelor of Science (with Distinction)
2003 Dartmouth Medical School, Hanover, NH
 Doctor of Medicine (with Honors)

POSTDOCTORAL TRAINING

2004-2005 Banner Good Samaritan Medical Center, Phoenix, AZ
 Transitional Intern
2005-2009 Columbia University Medical Center, New York City, NY
 Radiology Resident
2009-2011 Mayo Clinic, Rochester, MN and Scottsdale, AZ
 Cardiothoracic and Breast Imaging Fellowship

BOARD CERTIFICATION

2005 National Board of Medical Examiners
2009 American Board of Radiology

MEDICAL LICENSURE

2005-2009 New York
2009-2010 Minnesota
2010-present Arizona

HOSPITAL/UNIVERSITY APPOINTMENTS

2017-present Interim Director, Cardiovascular Imaging, Cardiovascular Institute, Banner
 University Medical Center - Phoenix
2011-present Director, Cardiac CT and MRI, Banner University Medical Center - Phoenix

PUBLICATIONS

1. Lazkani M, Singh N, Howe C, Patel N, Colon ML, Tasset M, et al. An updated meta-analysis of TAVR in patients at intermediate risk for SAVR. *Cardiovasc Revasc Med.* In

- press.
2. Morris MF, Lazkani M, Stanich M, Fang HK, Pershad A. Software Modeling to Predict Paravalvular Leak Following Transcatheter Mitral Valve Replacement. *JACC Cardiovasc Interv.* 2018;11(20):e167-e169.
 3. Lazkani M, Waggoner J, Morris M, Gellert G, Fang K, Pershad A. Double trouble: Transapical transcatheter replacement of the aortic and mitral valves in a single operation. *Journal of Invasive Cardiology.* 2018;30(6):E54.
 4. Morris MF, Verma DR, Sheikh H, Su W, Pershad A. Outcomes after magnetic resonance imaging in patients with pacemakers and defibrillators and abandoned leads. *Cardiovasc Revasc Med.* 2018;19(6):685-688.
 5. Yersai C, Lazkani M, Kolluru P, Miryala V, Moole H, Sawant AC, et al. An updated systematic review and meta-analysis of early outcomes after left atrial appendage occlusion. *J Interven Cardiol.* 2018; 31(2):197-206.
 6. Menon N, Perez-Velez CM, Wheeler JA, Morris MF, Amabile OL, Tasset MR, et al. Extracorporeal membrane oxygenation in acute respiratory distress syndrome due to influenza A (H1N1)pdm09 pneumonia. A single-center experience during the 2013-2014 season. *Rev Bras Ter Intensiva.* 2017;29(3):271-278.
 7. Verma DR, Pershad Y, Lazkani M, Fang K, Morris M, Pershad A. Volume-outcome relationships for transcatheter aortic valve replacement-risk adjusted and volume stratified analysis of TAVR outcomes. *Indian Heart J.* 2017; 69(6):700-706.
 8. Verma DR, Pershad Y, Pershad A, Fang K, Gellert G, Morris MF. Impact of institutional volume and experience with CT interpretation on sizing of transcatheter aortic valves: A multicenter retrospective study. *Cardiovasc Revasc Med.* 2016; 17(8):566-570.
 9. Lazkani M, Verma DR, Gellert G, Morris M, Fang K, Pershad A. Limitations of transcatheter mitral valve replacement in native mitral valve disease with severe mitral annular calcification: Should it be performed outside the purview of a clinical trial? *JACC Cardiovasc Interv.* 2016; 9(23):2460-2461.
 10. Adusumalli S, Morris M, Pershad A. Pseudo-pericardial tamponade from right ventricular hematoma after chronic total occlusion percutaneous coronary intervention of the right coronary artery: successfully managed percutaneously with computerized tomographic guided drainage. *Catheterization and Cardiovascular Interventions.* 2016; 88(1):86-88.
 11. Lazkani M, Bashir F, Brady K, Pophal S, Morris M, et al. Postinfarct VSD management using 3D computer printing assisted percutaneous closure. *Indian Heart J.* 2015; 67(6):581-585.
 12. Murarka S, Lazkani M, Neihaus M, Boggess M, Morris, MF, et al. Comparison of 30 day outcomes of transfemoral versus transapical approach for TAVR: A single center US experience. *The Annals of Thoracic Surgery.* 2015; 99(5):1539-44.
 13. Girotra S, Murarka S, Eddin M, Fraij G, Gellert G, et al. Percutaneous suture ligation of left atrial appendage using the LARIAT device: a review of technique and current data. *Interventional Cardiology.* 2014; 6(5):477-487.
 14. Pershad A, Stone D, Morris MF, Fang K, Gellert, G. Aortic annulus measurement and relevance to successful transcatheter aortic valve replacement: A new technique using 3D TEE. *Journal of Interventional Cardiology.* 2013; 26(3):302-9.
 15. Morris MF, Suri, RM, Akhtar, NJ, Young PY, Gruden JF, et al. Computed tomography as an alternative to catheter angiography prior to robotic mitral valve repair. *The Annals of Thoracic Surgery.* 2013;95(4):1354-9.
 16. Mayer AP, Morris MF, Panse PM, Ko MG, Files JE, et al. Does the presence of mediastinal adenopathy confer a risk for disseminated infection in immunocompetent persons with pulmonary coccidioidomycosis? *Mycology.* 2013;56(2):145-9.
 17. Morris MF, Staley LL, DeValeria, PA, Arabia, FA, Collins JM. Abdominal radiography

- for detection of LVAD driveline damage. *Journal of Heart and Lung Transplantation*. 2012;31(12):1313-15.
18. Foley TA, Mankad SV, Anavekar NS, Bonnicksen CR, Morris MF, et al. Measuring left ventricular ejection fraction – techniques and potential pitfalls. *Eur Cardiol*. 2012;8(2):108–14.
 19. Young PY, Glockner JF, Williamson EE, Morris MF, Araoz PA, et al. MR imaging findings in 76 consecutive surgically proven cases of pericardial disease with CT and pathologic correlation. *Int J Cardiovasc Imaging*. 2012;28(5):1099-109.
 20. Morris MF, Gardner BA, Gotway M, Thomsen KM, Harmsen WS, et al. Computed tomography findings and long-term mortality following pulmonary embolism. *Am J Roentgen*. 2012;198(6):1346-52.
 21. Morris MF, Adams JC, Panse PM, Srivathsan K. Radiofrequency ablation complicated by left atrial intramural hematoma. *J Cardiovasc Electrophysiol*. 2012;23(6):662-3.
 22. Morris MF, Williamson EE, Topilsky Y, Espinosa RE, Cetta F, et al. Multi-imaging assessment of the congenital mitral arcade. *J Am Coll Cardiol*. 2011;57:1586.
 23. Bonnicksen CR, Sundt TM, Anavekar NS, Foley TA, Morris MF, et al. Aneurysms of the ascending aorta and arch: the role of imaging in diagnosis and surgical management. *Expert Rev Cardiovasc Ther*. 2011;9(1):45-61.
 24. Morris MF, Maleszewski JJ, Suri RM, Burkhart HM, Foley TA, et al. Computed tomography and magnetic resonance imaging of the mitral valve: radiologic and pathologic correlation. *Radiographics*. 2010;30:1603-20.
 25. Anavekar NS, Bonnicksen CR, Foley TA, Morris MF, Martinez MW, et al. Computed tomography of cardiac pseudotumors and neoplasms. *Radiol Clin N Am*. 2010;48(4):799-816.
 26. Morris MF, Zhang Y, Zhang H, Prowda JC, Silvers DN, et al. Features of nephrogenic systemic fibrosis on radiology examinations. *Am J Roentgen*. 2009;193(1):61-9.
 27. Prince MR, Zhang H, Morris M, MacGregor JL, Grossman ME, et al. Incidence of nephrogenic systemic fibrosis at two large medical centers. *Radiology*. 2008;248(3):807-16.
 28. Janne d'Othee B, Morris MF, Powell RJ, Bettmann MA. Cost determinants of percutaneous and surgical interventions for treatment of intermittent claudication from the perspective of the hospital. *Cardiovasc Intervent Radiol*. 2008;31(1):56-65.
 29. Putheti P, Morris M, Stawiarz L, Teleshova N, Kivisakk P, et al. Multiple sclerosis: a study of chemokine receptors and regulatory T cells in relation to MRI variables. *Eur J Neurol*. 2003;10(5):529-35.
 30. Gomes AC, Morris M, Stawiarz L, Jonsson G, Putheti P, et al. Decreased levels of CD95 and caspase-8 mRNA in multiple sclerosis patients with gadolinium-enhancing lesions on MRI. *Neurosci Lett*. 2003;352(2):101-4.
 31. Berridge CW, Morris MF. Amphetamine-induced activation of forebrain EEG is prevented by noradrenergic beta-receptor blockade in the halothane-anesthetized rat. *Psychopharmacology*. 2000;148(3):307-13.

POSTERS AND PRESENTATIONS

1. Wong K, Ryan J, Jebaily N, et al. The Utility of 3D Printing and Visualization for Post Myocardial Infarction. Poster presented at Cardiology 2018: 21st Annual Update on Pediatric and Congenital Cardiovascular Disease.
2. Pershad Y, Verma D, Pershad A, et al. Impact of Institutional Volume on Transcatheter Aortic Valve Replacement Sizing: A Multicenter Retrospective Study. Presented at presented at the annual meeting of the Radiological Society of North America, November,

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- 2016.
3. Verma D, Pershad Y, Pershad A, et al. Volume-Outcome Relationships for Transcatheter Aortic Valve Replacement - Risk-Adjusted and Volume Stratified Analysis of Outcomes. Poster at the annual meeting of the Radiological Society of North America, November, 2016.
4. Menon N, Perez-Velez C, Wheeler J, et al. ECMO in ARDS Due to Influenza A H1N1 Pneumonia: A Single-center Experience During the 2013-14 Season. Poster at the annual congress of the Society of Critical Care Medicine, January 2015.
5. Morris MF, Akhtar NJ, Young PY, et al. Is Screening Computed Tomography an Appropriate Alternative to Coronary Angiography Prior to Robotic Mitral Valve Repair? Poster at the annual meeting of the Society of Thoracic Surgeons, January 2012.
6. Morris MF, Gardner BA, Gotway M, et al. CT Imaging Risk Factors Associated With Long Term Survival After Pulmonary Embolism. Presented at the annual meeting of the American Heart Association, November 2010.
7. Morris MF, Young PY, Burkhart H, et al. Cardiac CT for the Diagnosis and Characterization of Mitral Valve Prolapse. Presented at the annual meeting of the American Roentgen Ray Society, May 2010.
8. Morris M, MacGregor J, Zhang H, et al. Factors Relating to Nephrogenic Systemic Fibrosis. Presented at the annual meeting of the International Society for Magnetic Resonance in Medicine, May 2007.
9. Morris M, Putheti P, Stawiarz L, Pashenkov M, et al. Multiple Sclerosis: A Study of Magnetic Resonance Imaging in Relation to T-lymphocytes and Chemokines. Poster at the annual meeting of the American Roentgen Ray Society, May 2003.
10. Masterman T, Morris MF. Heritable Modulators of the Multiple Sclerosis Phenotype. Invited presentation at Kyushu University Hospital, Department of Neurology, Fukuoka, Japan, March, 2002.
11. Holtzman S, Morris MF, Black W. Pulmonary Arterial Anatomy with Multidetector Computed Tomography. Poster at the annual meeting of the Radiological Society of North America, November, 2001.

MEMBERSHIPS AND ASSOCIATIONS

1. American College of Radiology
2. Radiological Society of North America
3. Society of Cardiovascular Magnetic Resonance
4. North American Society of Cardiovascular Imaging

HONORS & AWARDS

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| 2012 | Best Scientific Poster, Society of Thoracic Surgeons Annual Meeting |
| 2009 | Chief Resident, Dept. of Radiology, Columbia University |
| 2008 | Excellence in Teaching Award, Dept. of Radiology, Columbia University |
| 2007 | Ross Golden Research Award, Dept. of Radiology, Columbia University |
| 2003 | Alpha Omega Alpha, Dartmouth Medical School |
| 2001 | Alpha Omega Alpha Student Research Fellowship, Dartmouth Medical School |
| 1999 | NIH Summer Research Fellowship, Dartmouth Medical School |
| 1998 | Harvey Meyerhoff Service and Scholarship Award, University of Wisconsin |
| 1998 | Hildale Senior Honors Thesis Fellowship, University of Wisconsin |