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## Employment History



July 2018- present  
Chief Quality Officer, Emory St. Joseph's Hospital  
Assistant Professor of Medicine, Emory University, Division of Cardiology

NORTHSIDE HEART



### NorthsideCardiology

May 1997 - Dec 2017  
Medical Director, Northside Heart & Vascular Institute (2011-2017)  
Managing Partner, Northside Cardiology, a division of Northside Hospital, and  
Executive Managing Physician, Northside Heart  
5670 Peachtree Dunwoody Rd; STE 880  
Atlanta, GA 30342  
<http://www.northsideheart.com>  
Managing Partner, Northside Cardiology (NCPC) (1997-2011)  
5670 Peachtree Dunwoody Rd; STE 880  
Atlanta, GA 30342  
[www.nscatl.com](http://www.nscatl.com) (closed)



July 1993 - April 1997  
Assistant Professor of Medicine, Emory University School of Medicine  
The Emory Clinic and The Emory Heart Center  
1365 Clifton Road  
Atlanta, GA 30322



**Penn Medicine**

Pennsylvania Hospital

July 1990 - June 1991  
Emergency Department Physician  
The Pennsylvania Hospital  
Philadelphia, PA

## Education

July 1991 – June 1994  
Emory University School of Medicine  
Atlanta, GA  
Fellowship – Cardiovascular Diseases

July 1987 – June 1990  
Hospital of the University of Pennsylvania

Philadelphia, PA  
Residency – Internal Medicine

June 1983 – May 1987  
University of Pennsylvania School of Medicine  
Philadelphia, PA  
MD- Doctor of Medicine

May 1983  
Case Western Reserve University  
Cleveland, OH  
BA – Biochemistry

### **Board Certifications**

2022 Board Certification, American Society of Echocardiography

2019-2021  
ACLS/BLS

2015-2023  
ABIM MOC (Maintenance of Certification)

April 2015  
Cardiovascular Diseases Recertification  
American Board of Internal Medicine

February 2008  
Board Certification  
Certification Board of Nuclear Cardiology

February 2007  
CTA Level II Verification  
Society of Cardiac Computed Tomography- SCCT

November 2004  
Cardiovascular Diseases Recertification  
American Board of Internal Medicine

November 1995  
Cardiovascular Diseases  
American Board of Internal Medicine

September 1990  
Internal Medicine  
American Board of Internal Medicine

### **Faculty / Hospital / Board Appointments**

May 2019-June 2020  
President, Board of Directors, Metro Atlanta Greater Southeast Affiliate, American



July 2016-July 2018

President, Board of Directors, Metro Atlanta Greater Southeast Affiliate, American Heart Association; Board Member, 2014-2018



Dec 2011-Dec 2017

Medical Director, Heart & Vascular Institute, Northside Hospital  
1000 Johnson Ferry Rd  
Atlanta, GA 30342



2011-2017 Councilor, GA Chapter American College of Cardiology: 1<sup>st</sup> term 2011-2014, 2<sup>nd</sup> term 2014-2017.



January 2010- January 2012

Medical Director, Invasive Cardiology, Northside Hospital

January 2008- Jan 2010

Medical Director, Nuclear Cardiology and ECG  
St. Joseph's Hospital of Atlanta

July 1994

Emory University School of Medicine  
Assistant Professor of Medicine, Department of Medicine

July 1989

University of Pennsylvania School of Medicine  
Clinical Associate, Department of Medicine

### **Professional Memberships and Societies**

- AHA
- ACC
- Society of Cardiac Computed Tomography, Founding Member
- American Society of Nuclear Cardiology
- MAG- Medical Association of Georgia

### **Active Hospital Privileges and Licensure**

Emory-St. Joseph's Hospital  
5665 Peachtree Dunwoody Road  
Atlanta, GA 30342  
Active Licenses- GA; Inactive Licenses – PA, FL

Emory University Hospital Midtown  
550 Peachtree Street  
Atlanta, GA 30308

## Honors/Awards

- Emory Healthcare Platinum Provider, 2021
- Emory Healthcare Diamond Provider - FY19 Top 1% Provider Recognition List, 2019
- Emory University School of Medicine Community Preceptor of the Year Award, 2009
- Fellow, American Heart Association, 2001
- Fellow, American College of Cardiology, 1996
- Merton F. Utter Annual Award for Excellence in Biochemistry, 1983
- Phi Beta Kappa, 1983
- Western Reserve Scholar, 1980 – 1982
- Dean's List, 1980 – 1981

## Publications

Uncovering Opportunities: An innovative mortality review approach to enhance patient safety; Damhorst L, Danaie A, Balk M. Submitted for IHI in May 2020 but conference got cancelled secondary to Covid-19

Barry Silverman MD and Michael Balk MD. "Digital Stethoscope-Improved Auscultation at the Bedside". Am J Cardiol 2019; 123:984-985

Michael Balk MD "Tucson Desert", NEJM 366;6 Feb 9,2012

Kaleka P, Patel P, Patel R, Balk M, Singh N. "Office Based Measurement Of Waist And Hip Circumference By Cardiologists Does Not Translate Into Improved Subsequent Measurements Or Reduced Weight.". American College of Cardiology 60th Annual Scientific Session and i2 Summit, 2011, poster 294.

Michael Balk MD "Melk Abbey" NEJM Dec 30 2010, p2627

Chen J, Balk M. "Concomitant aortic dissection resulting in left main coronary transection". Clinical Cardiology, Volume 33 Issue 3, Page E30; 12 Feb 2010

Nunnelley M, Balk M, Hao D, Chen J. "Primary Simultaneous Kissing Stent Deployment of Anomalous Looped Circumflex Artery During Acute Myocardial Infarction (With Staged Transradial Stenting of Left Anterior Descending Artery)". Vascular Disease Management,2008,Vol 5,Number 2:31-38

K Prabakaran, M Balk, N Hafeez, and N Singh. Comparison of transient ischemic dilation (TID) ratio on myocardial perfusion imaging with dual isotope and dual Tc-99m Sestamibi protocols in females. Publication #2003 Presented at Society of Nuclear Medicine 54th Annual Meeting, June 2007

Chen J, Balk M. "Compression of anomalous right coronary artery between the great vessels". Acute Cardiac Care 2007;2:127-128

N Singh, K Prabakaran, LV Crisco, F Baig, R McCallister, M Balk. "Low-level exercise with adenosine infusion improves image quality, symptom tolerance and arrhythmias during nuclear myocardial perfusion studies" *Can J Cardiol* Vol 21 Sup C October 2005

Balk M, Watkins C. "Heart Disease in Pregnancy" In Branch WT et al: *Cardiology in Primary Care*. McGraw Hill 2000: 791-801

Broderick L, Shemesh J, Wilensky R, Eckert G, Zhou X, Torres W, Balk M, Rogers W, Conces D, Kopecky K "Measurement of Coronary Artery Calcium with Dual-Slice Helical CT Compared to Coronary Angiography: Evaluation of CT Scoring Methods, Interobserver Variation, and Reproducibility" *AJR*: 1996, August 1996, p 439-444

Lynch M, Balk M, Lee R, Martin R "Role of Transesophageal Echocardiography in Management of Patients with Bronchogenic Carcinoma Invading the Left Atrium" *Am J Cardiology*, 1995, 76:1101-2

Balk M, Torres W "Effect of Angioplasty on Coronary Calcification as Determined by Ultra fast Computed Tomography" *Am J Cardiology*, 1995, 76:642

Balk M "Antioxidant Vitamins: Fact or Fiction" *Total Fitness for Men*, April 1995, p 44

Lutz J, Hurst Jr. J, Hurst J "Hurst's The Heart, Pre-Test Self Assessment and Review" 8th ed Contributor

Balk M, Goldman J "Alveolar Hemorrhage as a Manifestation of Pulmonary Barotrauma After Scuba Diving" *Annals of Emergency Medicine*, 1990, 19:930-934

Greenberg BM, Hamilton R, Rothkopf DM, Balk M, Clark WH, Larossa D "Management of Cutaneous Melanomas of the Female Breast", *Plast. Reconstr. Surg.*, 1987, 80:409-415

Keating HJ, Sims SC, Balk MA. Computer Assisted Pre-Operative Evaluation (CAPE) — A System Description. *Proceedings of the Annual Symposium on Computer Application in Medical Care*. November 1984:269-272.

J. Eric Nordlander, Mark J. Payne, F. George Njoroge, Vasanth M. Vishwanath, Gi Rin Han, George D. Laikos, and Michael A. Balk "A short enantiospecific synthesis of 2-amino-6,7-dihydroxy-1,2,3,4-tetrahydronaphthalene (ADTN)", *J Organic Chemistry*, 1985,50:3619-3622

Norlander JE, Payne M, Balk M, et al. "General Method for the Synthesis of Selectively N-Alkylated Polyamines", *J Organic Chemistry*, 1984, 49:133-138

Norlander JE, Payne M, Njoroge N, Balk M et al "Friedel Crafts Acylation with N-(Trifluoroacetyl)-Alpha-Amino Acids Chlorides" *J Organic Chemistry*, 1984, 49:4107-4111

### **Invited Lectures/Presentations**

1994-1999

1. IHSS-Emory University Cardiology Grand Rounds
2. Constrictive Pericarditis-VAMC Grand rounds

3. Antioxidant Vitamins and The Heart- Sportslife
4. ECG Unknowns with J. Willis Hurst MD "Emory University First Annual "cardiology for Primary Care Physicians- Sea Island"
5. Current Management of Unstable Angina "Emory University First Annual "cardiology for Primary Care Physicians- Sea Island"
6. Indication For Heart Catheterization After Acute Myocardial Infarction
7. Viagra and the Heart- Northside Hospital Medical Grand Rounds

2000-2006

8. Evaluation of the Patient with Chest Pain – Kaiser Permanente Annual Conference
9. Early Detection of CAD-Novel Risk Markers and Diagnostic Testing- Northside Hospital Medical Grand Rounds
10. Coronary Artery Disease- Congregation Shearith Israel
11. Cardiovascular Problems and Pregnancy, September 2005, 13<sup>th</sup> Annual Conference on High Risk Perinatal Medicine
12. CCTA- What you need to know- Northside Hospital Medical Grand Rounds
13. CTA Artifacts- STJ Advanced Cardiac Imaging Grand Rounds

2007-2010

14. Non-invasive diagnosis of coronary disease in 2007: How do I decide what test to do?
15. Non-invasive Cardiac Workshop, GA Chapter, American College of Cardiology annual meeting, 2007
16. Pre-operative assessment, KP Dept of General Surgery
17. CTA Artifacts Update- STJ Advanced Cardiac Imaging Grand Rounds
18. Instructional Cases In Cardiac CTA- Advanced Cardiac Imaging Conference
19. Nuclear Cardiology Update, TID and ASNC 2008 -STJ Imaging conference
20. CTA –Interesting Cases and Non-coronary Findings, Advanced Cardiac Imaging Conference, St. Joseph’s Hospital of Atlanta
21. Cardiac Causes of Stroke- NSH Stroke Symposium 2009
22. Cardiac Sources of Emboli- Northside Hospital Medical Grand Rounds 2009
23. 2010 Advances in Robotic & Hybrid Coronary Revascularization Conference-CT Angiography

2011-2017

24. Constrictive Pericarditis, Cardiac Cath Conference March 2011
25. Pearls of ECG Interpretation, Northside Emergency Associates Quarterly meeting
26. Obesity: A Weighty Issue on the Heart, Feb 2012
27. ECG interpretation for the Cath Lab staff, Feb 2014
28. Cardiac CTA in the Diagnosis of Coronary Artery Disease- CV Symposium 2014, April 2014
29. GA Power- Warning Signs of Heart Disease, AHA, Aug 2014
30. TV appearance-Marijuana and the heart and acute stress cardiomyopathy - Fox5 Atlanta, 2017

2018-present

31. Radio Talk show- I Heart Media, Jan 2018 – BP guidelines, Target BP, and Complete Streets
32. Smoke-Free Atlanta, Presentation to Atlanta City Council on behalf of AHA; May 22 2019
33. ESCAPE conference, Amelia Island; Whole Food Plant Based Diets, June 7 2019
34. ESCAPE conference, Amelia Island; Quality and Value in Secondary Prevention, June 8 2019
35. Emory PA School of Medicine- Update in Cardiology, Jan 2023

