

5/11/2024

**CURRICULUM VITAE  
SANDESH DEV, MD, MS****Chronology of Education**

BS	Duke University Durham, NC Biology 8/1990-6/1994
MD	Ohio State University College of Medicine Columbus, OH 6/1994-6/1998
MS	University of Michigan Ann Arbor, MI Clinical Research Design and Statistical Analysis 10/2015-6/2017

**Postgraduate Training:**

7/1998-6/2001	Internship and Residency, Internal Medicine Boston University Medical Center Boston, MA
7/2001-7/2002	(Gap in training – International Travel)
7/2002-6/2004	Fellowship, Cardiovascular Diseases Georgetown University / Washington Hospital Center Washington, DC
7/2004-7/2005	Fellowship, Cardiac Transplantation UCLA Medical Center, Los Angeles, CA

### **Board Certifications and Licenses**

2001-2011	ABIM - Internal Medicine
2005-2016	Certification Board in Nuclear Cardiology
2006-	ABIM – Cardiovascular Medicine
2008-	North Carolina medical license (2008-00180)
2010-	ABIM – Advanced Heart Failure and Transplantation
2011-	Arizona medical license (45254)
2017-	Minnesota medical license (61746)

### **Clinical Skills**

Cardiovascular Medicine – ABIM Board Certified (renews 2026)  
 Echocardiography – Level 2  
 Nuclear Cardiology - CBNC Board certified (expired 2015)  
 Advanced Heart Failure / Cardiac Transplantation – Level 3, Board Certified (renew in 2030)

### **Chronology of Employment**

8/2021-present	Director, Cardiovascular Projects ASU Institute for Future Health Scottsdale, AZ
7/2019-present	Associate Clinical Professor, UA COM-Tucson
5/2019 – present	Staff Cardiologist, Heart Failure Specialist Southern Arizona VA Health System Tucson, AZ
6/2018 – 4/2019	Fee Basis Cardiologist Southern Arizona VA Health System Tucson, AZ
7/2016 - 2021	Telecardiology consultant Remote echocardiogram interpretation Advanced Cardiac Diagnostics

2/2016 – 4/2019	Medical Director, Medical Affairs Pharmaceutical Management CVS Caremark Scottsdale, AZ
1/2014 – 7/2019	Associate Clinical Professor, UA COM-Phoenix
1/2012- 1/2014	Assistant Clinical Professor, University of Arizona College of Medicine, (UA COM) Phoenix
4/2011-2/2016	Cardiologist, Director of Heart Failure Program Phoenix VA Medical Center Phoenix, AZ
4/2008-4/2011	Assistant Professor, Duke University Heart Failure Cardiologist Durham, NC
12/2007-3/2008	Locums Cardiologist Prairie Cardiovascular St. Mary's Hospital Streator, IL
12/2005-11/2007	Assistant Professor, Northwestern University Heart Failure Cardiologist Northwestern Memorial Hospital, Chicago IL
7/2005-11/2005	Locums Cardiologist Desert Heart Physicians Palm Springs, CA

### **Honors and Awards**

6/1996	Freda A. Mallory Prize in Medical Humanities Ohio State University College of Medicine
5/2011	Phoenix VAMC Quality Expo 'Hospital to Home Initiative for Heart Failure Patients, 1 <sup>st</sup> Prize

**Publications (ORCID ID# 0000-0002-4140-0583)****Refereed manuscripts**

1. **Dev S**, Clare R, Fiuzat M, Felker GM, Stevenson LW, O'Connor C. Quality of Life vs. Extended Survival: Patients with Severe Heart Failure and Their Preferences for Cardiopulmonary Resuscitation *Eur J Heart Fail*. 2012 Jan; 14(1):45-53. PMID: 22037389
2. **Dev S**, Shirolkar SC, Stevens SR, Shaw LK, Adams PA, Felker GM, Rogers JG, O'Connor CM. Reduction in Body Weight but Worsening Renal Function With Late Ultrafiltration for Treatment of Acute Decompensated Heart Failure. *Cardiology*. 2012; 123(3):145-53. PMID: 23108095
3. **Dev S**, Abernethy AP, Rogers JG, O'Connor CM. Preferences of people with advanced heart failure—a structured narrative literature review to inform decision making in the palliative care setting. *American Heart Journal*. 2012 Sep; 164(3):313-319. PMID: 22980296
4. **Dev S**, Peterson P, Varosy P, Curtis JP, Wang YF, Masoudi FM. Trends in Antiarrhythmic Prescription at Time of ICD Implant: A Report from the NCDR ICD Registry. *American Journal of Cardiology*. 2014 Jan 15; 113(2):314-20. PMID: 24216126
5. Kavalieratos D, Kamal A, **Dev S**, Biddle AK, Carey T, Abernethy A, Weinberger M. Comparing the Unmet Needs of Community-based Palliative Care Patients with Heart Failure and Cancer. *J Palliat Med*. 2014 Apr; 17(4):475-81. PMID: 24588568
6. Kavalieratos D, Mitchell EM, Carey TS, **Dev S**, Biddle AK, Reeve BB, Abernethy AP, Weinberger M. "Not the 'grim reaper service'": an assessment of provider knowledge, attitudes, and perceptions regarding palliative care referral barriers in heart failure. *J Am Heart Assoc*; 2014 Jan 2; 3(1)3:e000544. PMID: 24385453
7. Kutner JS, Blatchford PJ, Taylor DH Jr, Ritchie CS, Bull JH, Fairclough DL, Hanson LC, LeBlanc TW, Samsa GP, Wolf S, Aziz NM, Currow DC, Ferrell B, Wagner-Johnston N, Zafar SY, Cleary JF, **Dev S**, Goode PS, Kamal AH, Kassner C, Kvale EA, McCallum JG, Ogunseitan AB, Pantilat SZ, Portenoy RK, Prince-Paul M, Sloan JA, Swetz KW, von Gunten CF, Abernethy AP. Safety and benefit of discontinuing statin medications in the setting of advanced life-limiting illness. *JAMA Int Med*. Published online March 23, 2015. PMID: 25798575

8. Chauhan V, **Dev S**, Pham M, Lin S, Heidenreich P. Facility Variation and Predictors of Serum Potassium Monitoring after Initiation of Mineralocorticoid Receptor Antagonists in Patients with Heart Failure. *Am Heart J*. 2015 Sep;170(3):543-9. PMID: 26385038
9. **Dev S**, Lacy ME, Masoudi F, Wu WC. Temporal Trends and Hospital Variation in Mineralocorticoid Use in Veterans Discharged with Heart Failure. *J Am Heart Assoc*. 2015 Dec 23;4(12) PMID: 26702082
10. **Dev S**, Hoffman TK, Kavalieratos D, Heidenreich P, Wu WC, Schwenke DC, Tracy SJ. Barriers to Adoption of Mineralocorticoid Receptor Antagonists in Patients With Heart Failure: A Mixed-Methods Study. *J Am Heart Assoc*. 2016 Mar 31;4(3). PMID: 27032719
11. Cohen LB, Parent M, Taveira TH, **Dev S**, Wu WC. A Description of Patient and Provider Experience and Clinical Outcomes After Heart Failure Shared Medical Appointment. *J Patient Exp*. 2017;4(4):169-176. PMID: 29276763
12. Wu WC, Parent M, **Dev S**, Hearn R, Taveira TH, Cohen L, Shell-Boyd J, Jewett-Tennant J, Marshall V, Gee J, Schaub K, LaForest S, Ball S. Group medical visits after heart failure hospitalization: Study protocol for a randomized-controlled trial. *Contemp Clin Trials*. 2018 Aug;71:140-145. PMID: 29940335
13. **Dev S**, Fawcett J, Ahmad S, Wu WC, Schwenke D. Implementation of early follow-up care after heart failure hospitalization. *Am J Manag Care*. 2021;27(2):e42-e47.PMID: 33577160
14. Marshall V, Jewett-Tennant J, Shell-Boyd J, Stevenson L, Hearn R, Gee J, Schaub K, LaForest S, Taveira T, Cohen L, Parent M, **Dev S**, Barrette A, Oliver K, Wu WC, Ball SL. Healthcare providers experiences with shared medical appointments for heart failure. *PLoS One*. 2022;17(2):e0263498. PMID: 35130320
15. Taveira, TH, Cohen LB, Laforest SK, Gee, JA, Schaub K, Oliver K, Barrett A, Parent M, Hearn R, Ball SL, **Dev S**, Wu WC. Shared Medical Appointments In Heart Failure for Post-hospitalization Follow-up : A Randomized Controlled Trial. (Under review, revisions pending)

Electronic publications (non-peer reviewed)

1. **Dev S.** Highlights of the Physical Exam in Heart Failure. *J. Geriatr Cardio* 2006, 3(4):237-41.

Letters to Editor

1. **Dev S,** Galanos AN; Duke Supportive Cardiology Group. Complexities of defibrillator deactivation. *Ann Intern Med.* 2010 Jul 20;153(2):133-4. PMID: 20644001
2. **Dev S,** Lloyd-Jones D. Problems associated with screening for asymptomatic cardiac transplant rejection. *J Heart Lung Transplant.* 2007 Nov;26(11):1219. PMID: 18022094

Peer Reviewed Abstracts

1. Dick TB, Watson MH, Milano CA, Felker GM, Hernandez AF, **Dev S,** Rosenberg P, Rogers JG. Comparison of Early and Late Calcineurin Inhibitor Initiation after Basiliximab Induction in Heart Transplantation. *J Heart Lung Transplant.* 1/2009; 28(2).
2. **Dev S,** Fiuzat M, O'Connor C, Tassisa G, Rogers JG. "Baseline Characteristics and Outcomes of Patients Who Do Not Desire Resuscitation: An Analysis of the ESCAPE Trial." *J Card Fail* 15(6): S90-S91.
3. **Dev S,** R. Clare, et al. "The Association of Do-Not-Resuscitate Preference With Quality of Life Preference and Mortality in Patients in the ESCAPE Trial." *J Card Fail* 16(8): S103.
4. Shirolkar SC, Felker GM, Stevens SR, Blackwell MP, Thompson SL, Rogers JG, O'Connor CM, **Dev S.** Ultrafiltration is Associated with Worsening Renal Function, and Electrolyte Abnormalities in Patients with Diuretic Refractory Heart Failure and Renal Dysfunction. *J Card Fail*;17:S96.
5. Parrington DJ, Saremi A, Girotra SV, **Dev S,** Oh C, Scott CL, Migrino RQ. Quantification of LVEF $\leq$ 35% misclassification by 2D-echocardiography as compared to cardiac magnetic resonance in coronary artery disease: implications for AICD therapy. *Journal of Cardiovascular Magnetic Resonance* 02/2012; 14 Suppl 1:P212.
6. **Dev S,** Wang Y, Varosy PD, Curtis JP, Masoudi FA. Prevalence and Temporal Trends of Antiarrhythmic Use among ICD Recipients: Findings from the NCDR. *Circulation* 2012; 126:A13650.
7. Urbine, TF, Schwenke DC, Wu W, **Dev S.** ICD9 Coding of Hyperkalemia Greatly Underestimates Incidence of Lab-Defined Hyperkalemia in Veterans with Heart Failure. *J Card Fail* 2013;19(8): S32.

8. **Dev S**, Lacy ME, Masoudi F, Wu WC. Patient Characteristics Associated with Appropriate Use of Aldosterone Antagonists in a National Cohort of Veterans Hospitalized with Heart Failure. *Circ Cardiovasc Qual Outcomes*. 2014;7:A158.
9. Urbine TF, Schwenke DC, Wu W-C, **Dev S**. Patient Characteristics Associated with Serious Hyperkalemia in Veterans after Hospital Discharge with Heart Failure. *Journal of Cardiac Failure*. 2014/08/27;20(8):S101.
10. Chauhan VR, **Dev S**, Pham M, Lin S, Heidenreich P. Abstract 13079: Variation in Laboratory Monitoring After Initiation of a Mineralocorticoid Receptor Antagonist in Patients With Heart Failure. *Circulation*. 2014.;130 (Suppl 2):A13079.
11. **Dev S**, Hoffman T, Kavalieratos D, Schwenke D, Heidenreich P, Wu WC, Tracy S. Barriers to Adoption and Monitoring of Mineralocorticoid Receptor Antagonists in a VA Medical Center. *J of Amer Coll Cardiology*. 2015; 65(10\_S)
12. **Dev S**, Williams KE, Hatseras HM, Weyer M, Hepfinger SS, Biehl-Judge NY, Wu WC. Abstract 131: Shared Medical Appointments for Heart Failure Patients Improve Cardiac Health Status. *Circulation: Cardiovascular Quality and Outcomes* 2015;8:A131.
13. **Dev S**, Taveira TH, Allen SM, Cohen LB, Urbine TF, Rumsfeld JS, Heidenreich PA , Grady KL, Wu WC. Group Medical Visits versus Usual Care in Heart Failure: Clinical Trial Design & Rationale. *Circ Cardiovasc Qual Outcomes*. 2016;9:A104
14. Marshall V, Stevenson L, Shell-Boyd J, Hearn R, Gee J, Schaub K, LaForest S, **Dev S**, Ball S. A Triadic Approach to Managing Heart Failure Using Group Medical Visits: Qualitative Analysis. *Circulation*. 2018. Volume 138, Issue Suppl\_1
15. **Dev S**, Fawcett J, Wu WC, Schwenke DC. Impact of an Early HF Discharge Follow-up Intervention on 30-Day Outcomes in a Veterans Hospital. *Circulation: Cardiovascular Quality and Outcomes* 2019;8:A131.
16. Aggarwal V, Mohanty A, Seltzer R, Ghannam H, **Dev S**. Abstract 12799: Geographic Variation in Cardiac Amyloidosis in U.S. Veterans From 2012 to 2021. *Circulation*. 2023;148(Suppl\_1):A12799-A12799.
17. Ghannam H, Aggarwal V, Mohanty A, Seltzer R, **Dev S**. Presence of amyloid-associated comorbidities at time of initial heart failure diagnosis in national sample of veterans with transthyretin amyloidosis. *Journal of the American College of Cardiology*. 2023;81(8\_Supplement):534-534.
18. **Dev S**, Mohanty A, Aggarwal V, Seltzer R, Ghannam H. Incidence and temporal trends of transthyretin cardiac amyloidosis in a national sample of veterans with heart failure. *Journal of the American College of Cardiology*. 2023;81(8\_Supplement):659-659.

19. Singh V, Guzman J, Ghannam H, **Dev S**. Implementation Of A Population-Based Screening Protocol For Cardiac Amyloidosis In At-Risk African American Veterans. Journal Of The American College Of Cardiology. 2024;83(13\_Supplement):2660-2660.
20. Implementation Strategies To Increase The Early Detection Of Cardiac Amyloidosis **Sandesh Dev**, Jenice Guzman-Clark, Ph.D., Sherry Ball, Ph.D., Ralph Renger, Ph.D. , Alexis Koskan, Ph.D. Amyloid 2024 (in press)

### **Works In Progress:**

1. Scoping Review Of Machine Learning In Cardiac Amyloidosis
2. Implementation Strategies To Increase The Early Detection Of Cardiac Amyloidosis
3. Pragmatic Framework For Shared Decision Making In Cardiac Amyloidosis
4. Creation Of An Interactive Dashboard To Facilitate Early Detection Of Cardiac Amyloidosis In African American Veterans
5. Implementation Of A Population-Based Screening Protocol For Cardiac Amyloidosis In At-Risk African American Veterans
6. Preliminary Implementation Of An Informational Nudge To Improve HF Prescribing: Clinical Trial Protocol

**Media:** N/A

### **Conferences / Scholarly Presentations**

‘ASU Updates in Amyloidosis’ conference organizer, February 2, 2024

2023 Annual Advanced Practice Nurse Educational Conference VA Desert Pacific Region (VISN 22), ‘Updates in Heart Failure,’ virtual, November 16, 2023

VA CARAVAN, ‘Treatments for ATTR Cardiomyopathy’, May 2, 2023

University of Arizona College of Medicine Research Day, ‘Nudges to Improve Heart Failure Prescribing’ March 29. 2023

Banner University Medical Center Cardiology, Valley of the Sun CME Symposium, ‘Cardiac amyloidosis.’ March 11, 2023

‘ASU Updates in Cardiac Amyloidosis’, conference, organizer, speaker ‘Epidemiology of Cardiac Amyloid’ January 14, 2023

Southern Arizona VA Health Care System, ‘Heart Failure with Preserved Ejection Fraction,’ Clinical Management Conference, January 26, 2021

VA Heart Failure Network, ‘Mineralocorticoid Receptor Antagonist Use in Veterans with Heart Failure,’ national webcast, November 19, 2015



VA Heart Failure Network, 'Implementing Shared Medical Appointments: Lessons Learned from Treating Heart Failure,' national webcast, August 6, 2015

BGSMC Cardiology Fellows Talk, 'Kidney and Heart Interactions in Heart Failure,' July 29, 2015

Phoenix VA Primary Care Conference, 'Shared Medical Appointments for Heart Failure,' May 7, 2015

BGSMC Cardiology Fellowship, Heart Failure / Transplant Topics, February 22, 2014

BGSMC Residency, 'Overview HF Management', February 25, 2014

Tucson VA Grand Rounds, 'Innovative Care Models for Veterans with HF,' January 22, 2014

## Awarded Grants and Contracts

### Federal

4/2023-10/2024	VA HSR&D	'Preliminary Implementation of an Informational Nudge to Improve Heart Failure Prescribing' \$200,000, 38% effort
7/2015-3/2018	VA HSR&D	'Group Medical Visits in Heart Failure for Post-Hospitalization Follow-Up' (PI: Wu, role: co-investigator) \$500,000, 25% effort
4/2013-3/2015	VA HSR&D	'Pre-Implementation Study of Spironolactone Appropriateness and Safety Monitoring' \$100,000, 25% effort

### Industry

7/2024-7/2025	Alnylam Pharma	'Implementation of Best Practices to Improve Diagnosis of Hereditary Transthyretin Polyneuropathy' \$150,000 (pending), 10% effort
5/2024-10/2024	Alnylam Pharma	'Using Systems Evaluation Theory to Improve Early Diagnosis of Transthyretin Cardiac Amyloidosis' \$77,000, 5% effort
6/2023-1/2024	Pfizer	'Implementing Evidence-Based Cardiac Amyloid Screening in at-risk African American Veterans' \$50,000, 5% effort
9/2023-3/2024	AstraZeneca	'Updates in Amyloidosis CME' \$70,000, 2% effort
9/2023-3/2024	Pfizer	'Updates in Amyloidosis CME' \$10,000, 2% effort
9/2023-3/2024	Alnylam	'Updates in Amyloidosis CME' \$20,000, 2% effort
9/2022-3/2023	Pfizer	'Updates in Cardiac Amyloidosis CME' \$20,000, 2% effort

Private Foundation

11/2011-2016 Carl T. Hayden  
Foundation

“Hyperkalemia in Veterans with Heart Failure”  
Dev, PI, \$10,000 direct costs, 10% effort.

**List of Collaborators and their Organizational Affiliations**

Boshara, Andrew. St. Joseph’s Hospital, Dignity Health.  
Warner, Alberta. Greater Los Angeles VA Medical Center  
Gelzer-Bell, Ramona. Tampa VA Medical Center  
Ball, Sherry. Cleveland VA Medical Center  
Guzman, Jenice. Southern Arizona VA Health Care System.  
Koskan, Alexis. Arizona State University  
Selzer, Ryan. Arizona State University  
Shah, Nishant. Providence VA Health Care System  
Wu, Wen-Chih. Providence VA Health Care System

Sections 4 and 5 are true and accurate statements of my activities and accomplishments. I understand that misrepresentation in securing tenure and promotion may lead to dismissal or suspension under ABOR Policy 6-201 J.

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Sandesh Dev