

Personal Information

Full Name: Jayanthi N. Koneru, M.D.

Title: Fellowship Program Director,
Cardiac Electrophysiology,
Division of Cardiology,
Department of Medicine,
VCU Health system.
Richmond,VA.

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Languages Spoken: English

Telugu

Hindi

Spanish

Professional Summary

Primary Departmental Specialization Area/Field

1. Cardiac Electrophysiology: Well versed with the entire gamut of electrophysiology interventions, both invasive and non-invasive
2. Cardiac Intensive Care Unit: Well versed with the entire gamut of cardiac ICU interventions, both invasive and non-invasive
- 3.General Cardiology
4. Structural Heart Disease as it pertains to left atrial appendage management with various techniques.

Areas of Expertise and Interest

1. Arrhythmia Management
- 2.Complex Arrhythmia Management
- 3.Alternative opinions/management options despite prior unsuccessful attempts at other institutions
4. Resuscitation- both in -hospital and out of hospital
- 5.Pacemaker and Defibrillator Lead extraction using laser and mechanical tools.
- 6.Implantable cardiac devices
- 7.Troubleshooting malfunction of implantable cardiac devices
- 8.Innovative methods of ablation-cryothermal and chemical ablation in addition to traditional radiofrequency ablation for cardiac arrhythmias
9. Teaching at national and international meetings and institutions
10. Minimizing utilization of resources; yet achieving optimal patient outcomes.

Education

Post Graduate

Fellow-Clinical Cardiac Electrophysiology
Virginia Commonwealth University Medical Center,
Richmond, VA.
07/2010 - 06/2012

Fellow-Cardiovascular Diseases
University of Nebraska Medical Center,
Omaha, NE.
07/2007 - 06/2010

M.B.B.S. (Bachelor of Medicine and Bachelor of Surgery)
Osmania Medical College;
Hyderabad, Telangana, India.
09/1993 - 08/1999

Chief Resident-St. Luke's-Roosevelt Hospital Center,
Columbia University College of Physicians and Surgeons, New York.
07/2006 - 06/2010

Resident - St. Luke's-Roosevelt Hospital, Department of Internal Medicine,
Columbia University College of Physicians and Surgeons, New York.
07/2003 - 06/2006

Certification & Licensure

Licensure

ABIM ID
274072
CURRENT CERTIFICATION STATUS:
Clinical Cardiac Electrophysiology: **Certified**
Cardiovascular Disease: **Certified**
INITIAL CERTIFICATIONS:
Internal Medicine: 2006
Cardiovascular Disease: 2010
Clinical Cardiac Electrophysiology: 2012
2006

Certification

American Board of Internal Medicine, Sub-specialty of Clinical Cardiac
Electrophysiology- Certification valid till 2022.

IBHRE formerly NASPE (International Board of Heart Rhythm Examiners)
Physician certification for cardiac rhythm devices – CCDS.

American Board of Internal Medicine, Sub-specialty of Cardiology
Certification is valid till December, 2020

American Board of Internal Medicine
Certification was valid till September 2016.

Educational committee for foreign medical graduates (ECFMG)
Certification is valid indefinitely, originally certified in June 2003.
Certificate# 0-627-253-8
2022

Hospital Appointments

1. VCU Medical Center-2012-present, Richmond,VA.
07/2012 - Present

VCU Community Memorial Hospital, South Hill, VA.
07/2012 - Present

Henrico Doctors Hospital, Richmond,VA
07/2013 - Present

Academic Appointment History

Fellowship Program Director, Cardiac Electrophysiology, Division of Cardiology,
Department of Internal Medicine, Virginia Commonwealth University, Richmond,
Virginia, Assistant Professor (non Tenure)
07/2017 - Present

Assistant Professor (non Tenure), Cardiac Electrophysiology, Division of Cardiology,
Department of Internal Medicine, Virginia Commonwealth University, Richmond,
Virginia,
07/2012 - Present

Employment History

Fellowship Program Director,
Cardiac Electrophysiology,
VCU Medical Center and Medical College of Virginia Hospitals,
Richmond, Virginia, USA.
07/2017 - Present

Assistant Professor, Department of Internal Medicine,
Division of Cardiology and Clinical Cardiac Electrophysiology,
VCU Medical Center and Medical College of Virginia Hospitals,
Richmond, Virginia, USA.
07/2012 - Present

Division of Cardiology and Clinical Cardiac Electrophysiology,

Hunter Holmes McGuire Veterans Administration Hospitals,
Richmond, Virginia, USA.
07/2012 - 06/2014

Special Awards & Honors

Outstanding Teacher-Cardiology fellows -year of 2016
06/2016

Senior Resident of the year-- Department of Medicine. St.Luke's-Roosevelt Hospital
Center- Columbia University,NY. Selected from 45 residents.

06/2006

Junior Resident of the year-- Department of Medicine. St.Luke's-Roosevelt Hospital
Center- Columbia University,NY. Selected from 45 residents.

06/2005

Outstanding Resident in ambulatory care setting-- Department of Medicine. St.Luke's-
Roosevelt Hospital Center- Columbia University,NY. Selected from 45 residents.

12/2004

Intern of the year- Department of Medicine. St.Luke's-Roosevelt Hospital Center-
Columbia University,NY. Selected from 68 interns.

06/2004

Society Memberships

1.Heart Rhythm Society
07/2012

American Heart Association
07/2012

American College of Cardiology
07/2010

Scholarly Activities

Expert Services

Chair: Mini Board Review. Preparation for Device Questions. Heart Rhythm Society
scientific sessions, Boston, MA.

05/2018

Visiting Professor of Cardiology- SriVenkateswara Institute of Medical Sciences,
Tirupati, ndhra Pradesh, India.

Awarded by the Vice President of India on the occasion of the Silver Jubilee of the

Institution.
08/2017

Journal reviewer/referee for Heart Rhythm
2016

Chair of Session: Case Based Tutorial entitled The Role of the ICD in Patients with Genetic Heart Disease and Syncope
Heart Rhythm Society Annual Scientific sessions, San Francisco, CA.
05/2016

Journal reviewer/referee for Journal of Cardiovascular Electrophysiology
2014

Chair of Session: Successful Implantation of CIED Devices: "Special" Situations
Heart Rhythm Society Annual Scientific sessions, San Francisco, CA.
05/2016

Journal reviewer/referee for Journal of American College of Cardiology
2013

Journal reviewer/referee for Pacing and Clinical Electrophysiology
2013

Grants and Contracts: Active

EBR Systems – SOLVE CRT: Stimulation Of the Left Ventricular Endocardium for Cardiac Resynchronization Therapy in Non-Responders and Previously Untreatable Patients (PI: Kenneth Ellenbogen)
Multicenter study.
Role: Sub Investigator
2018 - Present

Milestone Pharmaceuticals – NODE-302 Trial: Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Efficacy, and Safety Study of Etripamil Nasal Spray for the Termination of Spontaneous Episodes of Paroxysmal Supraventricular Tachycardia (PI: Kenneth Ellenbogen)
Role: Sub Investigator
2018 - Present

Victoria Johnson Foundation, Virginia Commonwealth University.
Pilot Study of the Safety and Efficacy of Intravenous Vitamin C in Patients Undergoing Atrial Fibrillation Ablation. \$21,704.80.
Role: Principal Investigator
12/2016 - Present

IMAGE HBP: Imaging Study of Lead Implant for His Bundle Pacing. Sponsored by Medtronic Inc, Minneapolis.
Role: Principal Investigator

2017 - Present

PINNACLE FLX: Protection against Embolism for non-valvular AF Patients:
Investigational Device Evaluation of the WATCHMAN FLX™ LAA Closure Technology-
Sponsored by Boston Scientific, Inc, Minneapolis,MN.

Role: Principal Investigator

2017 - Present

SMART CRT: Strategic Management to Optimize Response To Cardiac
Resynchronization Therapy

Sponsored by Boston Scientific, Inc, Minneapolis,MN.

Role: Principal Investigator

2017 - Present

WAVECREST2: WAVECrest Vs. Watchman Transseptal LAA Closure to Reduce AF-
mediated Stroke 2- Sponsored by Johnson and Johnson.

Role: Principal Investigator

2017 - Present

Population Health Research Institute – ARTESiA: Apixaban for the Reduction of
Thrombo-Embolism in patients with Device-Detected Sub-Clinical Atrial fibrillation (PI:
Kenneth Ellenbogen)

Role: Sub Investigator

2017 - Present

MADIT S-ICD: Multicenter Automatic Defibrillator Implantation Trial with Subcutaneous
Implantable Cardioverter Defibrillator (PI: Kenneth Ellenbogen)

Role: Sub Investigator

2017 - Present

Current: Milestone Pharmaceuticals – NODE-301 Trial: Multi-Center, Randomized,
Double-Blind, Placebo-Controlled, Efficacy, and Safety Study of Etripamil Nasal Spray
for the Termination of Spontaneous Episodes of Paroxysmal Supraventricular
Tachycardia (PI: Kenneth Ellenbogen)

Role: Sub Investigator

2017 - Present

National Institutes of Health and National Heart Lung and Blood Institute – PAPS Pilot
Study: Prospective Assessment of Premature Ventricular Contractions Suppression in
Cardiomyopathy (PI: Kenneth Ellenbogen)

Role: Sub Investigator

2017 - Present

PRECEPT: Prospective Review of the Safety and Effectiveness of the THERMOCOOL
SMARTTOUCH® SF Catheter Evaluated for Treating Symptomatic Persistent AF (PI:
Kenneth Ellenbogen)

Role: Sub Investigator

2017

Boston Scientific – UNTOUCHED: Understanding Outcomes with the EMBLEM™ S-ICD

in Primary Prevention Patients with Low Ejection Fraction (PI: Gautham Kalahasty)
Multicenter study.
Role: Sub Investigator
2017

Houston Methodist Research Institute and National Institutes of Health and National Heart Lung and Blood Institute – Vein of Marshall: VEIN OF MARSHALL ETHANOL INFUSION FOR PERSISTENT ATRIAL FIBRILLATION (PI: Kenneth Ellenbogen)
Multicenter study.
Role: Sub Investigator
2017

Present: Medtronic – WRAP-IT: World-wide Randomized Antibiotic Envelope Infection Prevention Trial (PI: Gautham Kalahasty)
Multicenter study.
Role: Sub Investigator
2015 - Present

ADAPT Response: prospective, randomized, controlled, interventional, single-blinded, multi-center, post-market, global Cardiac Resynchronization Therapy (CRT) in heart failure (HF) clinical study (PI: Richard Shepard)
Role: Sub Investigator
2014 - Present

Boston Scientific – SAMURAI-ImageReady MR Conditional Pacing System (PI: Kenneth Ellenbogen)
Role: Sub Investigator
2014 - Present

Boston Scientific – SICD-PAS: S-ICD Post Approval Study (PI.: Gautham Kalahasty).
Multicenter study.
Role: Sub Investigator
2014 - Present

Advising and Mentoring

Harsimran Saini, MD, PhD.

Sub specialty fellowship in Cardiac Electrophysiology -20 hours per week, training in electrophysiology procedures, teaching electrophysiology concepts, mentoring and guiding the fellow through didactic presentations, intramurally and at national meetings.

07/2016 - 06/2018

Aditya Saini, MD

Sub specialty fellowship in Cardiac Electrophysiology -20 hours per week, training in electrophysiology procedures, teaching electrophysiology concepts, mentoring and guiding the fellow through didactic presentations, intramurally and at national meetings.

07/2016 - 06/2018

MENTORSHIP AND TRAINING POST-DOCTORAL CLINICAL CARDIAC EP FELLOWS

Santosh Padala, MD- recruited as Cardiac Electrophysiologist at VCU Medical Center Sub specialty fellowship in Cardiac Electrophysiology -20 hours per week, training in electrophysiology procedures, teaching electrophysiology concepts, mentoring and guiding the fellow through didactic presentations, intramurally and at national meetings.

07/2015 - 06/2017

Parikshit Sharma, MBBS, MPH-recruited as Cardiac Electrophysiologist at Rush University Medical Center

Sub specialty fellowship in Cardiac Electrophysiology -20 hours per week, training in electrophysiology procedures, teaching electrophysiology concepts, mentoring and guiding the fellow through didactic presentations, intramurally and at national meetings.

07/2014 - 06/2016

Yuhning L Hu MD

Sub specialty fellowship in Cardiac Electrophysiology -20 hours per week, training in electrophysiology procedures, teaching electrophysiology concepts, mentoring and guiding the fellow through didactic presentations, intramurally and at national meetings.

07/2014 - 06/2016

Joseph Jenkins Thompson,MD

Sub specialty fellowship in Cardiac Electrophysiology -20 hours per week, training in electrophysiology procedures, teaching electrophysiology concepts, mentoring and guiding the fellow through didactic presentations, intramurally and at national meetings.

07/2013 - 06/2015

Kelly McDonnell, MD

Sub specialty fellowship in Cardiac Electrophysiology -20 hours per week, training in electrophysiology procedures, teaching electrophysiology concepts, mentoring and guiding the fellow through didactic presentations, intramurally and at national meetings.

07/2012 - 06/2014

Rizwan Alimohammad, MD

Sub specialty fellowship in Cardiac Electrophysiology -20 hours per week, training in electrophysiology procedures, teaching electrophysiology concepts, mentoring and guiding the fellow through didactic presentations, intramurally.

07/2012 - 06/2014

Malay Gandhi, MD

Sub specialty fellowship in Cardiac Electrophysiology -20 hours per week, training in electrophysiology procedures, teaching electrophysiology concepts, mentoring and

guiding the fellow through didactic presentations, intramurally.
07/2012 - 06/2013

Premed Student Mentoring

1. Akhil Kolluri B.S- Akhil spent time "shadowing " for a few hours every week over a period of 2 years, while he was in the guaranteed admission to VCU Medical Centers Medical school (2014).
2. Lakshmi Ravindra B.S. Lakshmi spent time "shadowing " for a few hours every week over a period of 2 years, while she was in the guaranteed admission to VCU Medical Centers Medical school (2015).

Both are now at VCU Medical School pursuing MD degree.
2014 - 2015

Presentations

Invited

Internal/VCU

Grand rounds: Neurology

Title: Left Atrial Appendage: Friend or Foe-non-pharmacologic prevention of left atrial appendage thrombus and stroke.

09/2016

Grand rounds: Internal Medicine

Title: Left Atrial Appendage: Friend or Foe-non-pharmacologic prevention of left atrial appendage thrombus and stroke.

03/2014

National

Title: His Bundle Pacing: A Practical Approach

Veterans Affairs physicians community of interest meeting at Heart Rhythm Society Annual Scientific sessions, Boston, MA.

05/2018

What Under-the-Hood Algorithms May Complicate Pacemaker ECG Interpretation? a Case Based Tutorial

Heart Rhythm Society Annual Scientific sessions, Chicago, IL.

05/2017

Title: Strengths and Limitations of Diagnostics for Pace-sense and High-Voltage Lead Failure in a Core Curriculum entitled ICD Leads: Design, Diagnostics, and Diagnosis of Lead Failure.

Heart Rhythm Society Annual Scientific Sessions 2014, San Francisco, California

05/2014

Title:Case Based Approach to Diagnostics Related to Heart Failure and Cardiac

Resynchronization , in a Case Based Tutorial entitled Challenges in Diagnosis and Management of ICD Lead Failure .Heart Rhythm Society Annual Scientific Sessions 2014, San Francisco, California
05/2014

Cardiology Grand Rounds: University of Nebraska Medical Center, Omaha, NE.
Title: "Complex Ablation and Complex Lead Extraction: A Scintillating Symbiosis between Surgeons & Electrophysiologists"
05/2017

The 2013 Annual Electrophysiology Cardiac Symposium: Staten Island University Hospital, Staten Island, NY
Role: Invited Speaker
Title of talk: Procedures and Devices for Atrial Fibrillation: What Works and What is Promising?
10/2013

Cardiovascular Research foundation: Left Atrial Appendage Closure Symposium, Chicago, July 2014

Role: Faculty

1. Rate vs Rhythm control for AF- Talk
2. LARIAT : Percutaneous closure of the left atrial appendage with the LARIAT device-Talk
3. Faculty Expert Panel member on live cases
- 4.The case against Watchman Device -Debate

07/2014

International

Title of talk: Cardiac resynchronization therapy in bradycardia indications.
European Heart Rhythm Society Annual Scientific Sessions, Vienna, Austria
06/2017

Posters or Other Unsolicited Presentations

Local/Regional (Virginia but Non-VCU)

Doctors Roundtable: Leaders in Heart Care Discuss Atrial Fibrillation. The Lewis Ginter Seminar, Richmond,VA.

Role: Invited Speaker

09/2013

Title: Left Atrial Appendage & Ethanol in Cardiac Veins: Friend or Foe?
The Odyssey Conference- Educating the Critical care nurse,Richmond, VA
03/2017

International

Medtronic Global Grand Rounds:

Title: Antitachycardia Pacing in implantable Cardioverter Defibrillators.

Teaching Experience

Didactic and Clinical

Internal Medicine Residents- In inpatient settings, Cardiac ICU, bedside procedures in Cardiac ICU, cardiology inpatient service.

07/2012 - Present

Cardiology Fellows- In inpatient settings, Cardiac ICU, bedside procedures in Cardiac ICU, Cardiology inpatient service. Additionally advanced ECG interpretation is taught during cardiac ICU rotations, while general cardiology fellows rotate through electrophysiology service. Temporary pacemaker insertion and interpretation and trouble shooting is also taught during ICU rotations.

07/2012 - Present

Electrophysiology Fellows- In inpatient settings; in electrophysiology laboratory where all aspects of interventional and non-interventional cardiac electrophysiology are taught over a two year period of time.

Cardiac Electrophysiology Didactic conferences, Wednesday 7:00 am to 8:00 am: Every year the following teaching conferences are delivered by me to EP Fellows, Faculty, Cardiology Fellows and Nurses.

1. Fluoroscopic Cardiac Anatomy
2. Cardiac Implantable Electronic Device: Infection Prevention and Extraction
3. Basics of Defibrillation
4. Ablation of Atrial Fibrillation: Assessment of bidirectional block in the pulmonary veins, assessment of block across linear lesions.
5. Variants of pre-excitation.

07/2012 - Present

Educational Innovations

During 2015, I have been tasked to revamp the didactic curriculum for the EP fellowship conferences. The conferences have been modified to reflect the changing patterns of clinical cardiac electrophysiology practice as well as American board of Internal Medicine Cardiac Electrophysiology Board curriculum. Additionally we had electrophysiology fellows give more formal presentations to the faculty and their peers. By presenting a case and discussing the relevant literature, fellows can gain in depth knowledge of core EP topics. The fellows presented electrophysiology cases at morning conferences, quarterly Morbidity and Mortality Conference, regional and national meetings. Each fellow presented an EP topic at Cardiology Grand Rounds. We also aspired to include research meetings in the conference schedule to encourage collaboration within the EP section and across other cardiology sections and other divisions.

This resulted in or fellows participating in Department of Internal Medicine Research Conferences. Ongoing research projects were discussed during electrophysiology

morning conferences. Fellows presented poster presentations and abstracts accepted to Heart Rhythm annual scientific sessions to the division and research collaborators in cardiothoracic surgery and anesthesiology. These initiatives prepared the fellows in not only getting better educated but also becoming very good peer educators.
2015 - Present

Service Activities

Clinical Service

Outpatient Activities

Established a robust Practice in conjunction with Dr.Denlinger and Dr.Vetrovec at South Hill which was instrumental in delivering cardiac and cardiac electrophysiology consultative care to a large number of patients in Southern Virginia and Community Memorial Hospital in South Hill, VA.

9 hours- twice a month
10/2012 - Present

Fortified the cardiac electrophysiology consultative practice at Williamsburg for the last 5 years, with Dr.Ellenbogen who has worked tirelessly to achieve this referral base . We now have a large referral base from Eastern and North Eastern Virginia who receive their procedural care at VCU Medical Center, Richmond.

8 hours-once a month
07/2012 - Present

Started and continued the Atrial Fibrillation Ablation program at one of our outreach hospitals-Henrico Doctors Hospital-Forest Campus.
Till date we have performed nearly 100 ablations here with outstanding safety profile.

8 hours-once a week
06/2015 - Present

ACC Clinic/StonyPoint VCU Clinic- 8 hours-once a month

Inpatient Activities

Cardiac Electrophysiology Lab: 3-4 days/week. Performing procedures and providing training and oversight for fellows.

07/2012 - Present

Cardiac ICU attending-4-5 weeks/year

07/2012 - Present

Cardiology Consult Attending-3-4 weeks/year

07/2012 - Present

Cardiology Ward Attending-3-4 weeks/year

07/2012 - 06/2015

Miscellaneous Activities

Every year, I spend time in Nicaragua to operate on patients who have no means to obtain basic cardiac and cardiac electrophysiology care. This entails numerous emails and requests for pro bono donations of equipment. We typically work 14-18 hours a day for a week to treat as many patients as possible. Hopefully we can go next year too.

Service to the Profession

His Bundle pacing proctorship-Physicians from USA and Canada routinely visit VCU to understand the nuances of physiologic pacing,
The program has been operational for the last 2 years and numerous physicians have come through our doors to learn this new modality; which we believe benefits patients immensely.

08/2015 - Present

Service to the Community

<https://vcuphc-thebeat.org/2018/01/medical-team-helps-in-india/>
2018

Service to the University

<https://vcuphc-thebeat.org/2018/01/medical-team-helps-in-india/>
2018

Service to the School of Medicine

2017

M4 – Arrhythmias in the Cardiothoracic Surgical realm-preoperative, intraoperative and postoperative: Diagnosis and Management.

2013-2016

M2 -Cardiovascular Pharmacology-Antiarrhythmic drugs

2017 - 2016

Service to other Affiliated Institutions

VA Medical Center: Cardiology and Electrophysiology Attending on Inpatient wards as well as electrophysiology/pacemaker clinic.

40 hours/week

07/2012 - 06/2014

Service to the Military

VA Hospital Electrophysiologist from 2012-2014(Part-time)

Performed the first percutaneous epicardial procedure at the McGUIre Veterans Hospital, Richmond, VA

07/2012 - 06/2014

Publications

Papers Published in Peer Reviewed Journals

1. Trankle CR, Gertz ZM, **Koneru JN**, Kasirajan V, Nicolato P, Bhardwaj HL, Ellenbogen KA, Kalahasty G. Severe tricuspid regurgitation due to interactions with right ventricular permanent pacemaker or defibrillator leads. *Pacing Clin Electrophysiol*. 2018 May 14. PMID: [29757467](#)
2. **Koneru JN**, Jones PW, Hammill EF, Wold N, Ellenbogen KA. Risk Factors and Temporal Trends of Complications Associated With Transvenous Implantable Cardiac Defibrillator Leads. *J Am Heart Assoc*. 2018 May 10; 7(10). PMID: [29748177](#)
3. Zanon F, Ellenbogen KA, Dandamudi G, Sharma PS, Huang W, Lustgarten DL, Tung R, Tada H, **Koneru JN**, Bergemann T, Fagan DH, Hudnall JH, Vijayaraman P. Permanent His-bundle pacing: a systematic literature review and meta-analysis. *Europace*. 2018 Apr 26. PMID: [29701822](#)
4. Saini A, Padala SK, **Koneru JN**, Ellenbogen KA. Alternating Bundle-Branch Block: What Is the Mechanism? *Circulation*. 2018 Mar 13; 137(11):1192-1194. PMID: [29530894](#)
5. Vijayaraman P, Dandamudi G, Zanon F, Sharma PS, Tung R, Huang W, **Koneru J**, Tada H, Ellenbogen KA, Lustgarten DL. Permanent His bundle pacing: Recommendations from a Multicenter His Bundle Pacing Collaborative Working Group for standardization of definitions, implant measurements, and follow-up. *Heart Rhythm*. 2018 Mar; 15(3):460-468. PMID: [29107697](#)
6. Sharma PS, Dandamudi G, Herweg B, Wilson D, Singh R, Naperkowski A, **Koneru JN**, Ellenbogen KA, Vijayaraman P. Permanent His-bundle pacing as an alternative to biventricular pacing for cardiac resynchronization therapy: A multicenter experience. *Heart Rhythm*. 2018 Mar; 15(3):413-420. PMID: [29031929](#)
7. Padala SK, Ellenbogen KA, **Koneru JN**. Intermittent loss of capture in a His bundle pacemaker: What is the cause? *HeartRhythm Case Rep*. 2017 Nov; 3(11):555-558. PMID: [29387549](#)
8. Saini A, Hu YL, Kasirajan V, Han FT, Khan MZ, Wolfe L, Gunda S, **Koneru JN**, Ellenbogen KA. Long-term outcomes of minimally invasive surgical ablation for atrial fibrillation: A single-center experience. *Heart Rhythm*. 2017 Sep; 14(9):1281-1288. PMID: [28438723](#)
9. Cardona-Guarache R, Padala SK, Velazco-Davila L, Cassano A, Abbate A, Ellenbogen KA, **Koneru JN**. Stellate ganglion blockade and bilateral cardiac sympathetic denervation in patients with life-threatening ventricular arrhythmias. *J Cardiovasc Electrophysiol*. 2017 Aug; 28(8):903-908. PMID: [28471068](#)
10. Ellenbogen KA, **Koneru JN**, Sharma PS, Deshpande S, Wan C, Szymkiewicz SJ. Benefit of the Wearable Cardioverter-Defibrillator in Protecting Patients After Implantable-Cardioverter Defibrillator Explant: Results From the National Registry. *JACC Clin Electrophysiol*. 2017 Mar; 3(3):243-250. PMID: [29759518](#)

11. Padala SK, Saini A, Gertz ZM, Morano GS, Ellenbogen KA, **Koneru JN**. A Novel Percutaneous Technique Using Lasso Catheters for Retrieval of an Embolized Amplatzer Atrial Septal Occluder Device. *JACC Cardiovasc Interv*. 2017 Feb 13; 10(3):e25-e26. PMID: [28109875](#)
12. **Koneru JN**, Swerdlow CD, Ploux S, Sharma PS, Kaszala K, Tan AY, Huizar JF, Vijayaraman P, Kenigsberg D, Ellenbogen KA. Mechanisms of Undersensing by a Noise Detection Algorithm That Utilizes Far-Field Electrograms With Near-Field Bandpass Filtering. *J Cardiovasc Electrophysiol*. 2017 Feb; 28(2):224-232. PMID: [27957764](#)
13. John RM, Kapur S, Ellenbogen KA, **Koneru JN**. Atrioesophageal fistula formation with cryoballoon ablation is most commonly related to the left inferior pulmonary vein. *Heart Rhythm*. 2017 Feb; 14(2):184-189. PMID: [27769853](#)
14. Sharma PS, Padala SK, Thompson JJ, Gunda S, **Koneru JN**, Ellenbogen KA. Factors Influencing Diaphragmatic Compound Motor Action Potentials During Cryoballoon Ablation for Atrial Fibrillation. *J Cardiovasc Electrophysiol*. 2016 Dec; 27(12):1384-1389. PMID: [27558755](#)
15. Sharma PS, Padala SK, Gunda S, **Koneru JN**, Ellenbogen KA. Vascular Complications During Catheter Ablation of Cardiac Arrhythmias: A Comparison Between Vascular Ultrasound Guided Access and Conventional Vascular Access. *J Cardiovasc Electrophysiol*. 2016 Oct; 27(10):1160-1166. PMID: [27433795](#)
16. Hu YL, Kasirajan V, Tang DG, Shah KB, **Koneru JN**, Grizzard JD, Ellenbogen KA, Kron J. Prospective Evaluation of Implantable Cardioverter-Defibrillator Lead Function During and After Left Ventricular Assist Device Implantation. *JACC Clin Electrophysiol*. 2016 Jun; 2(3):343-354. PMID: [29766894](#)
17. Sharma PS, Kasirajan V, Ellenbogen KA, **Koneru JN**. Interconnections between Left Atrial Ganglionic Plexi: Insights from Minimally Invasive Maze Procedures and Their Outcomes. *Pacing Clin Electrophysiol*. 2016 May; 39(5):427-33. PMID: [26853888](#)
18. Padala SK, Sharma PS, Ellenbogen KA, **Koneru JN**. Intermittent failure to capture: What is the mechanism? *HeartRhythm Case Rep*. 2016 Mar; 2(2):178-182. PMID: [28491662](#)
19. Tan AY, Hu YL, Potfay J, Kaszala K, Howren M, Sima AP, Shultz M, **Koneru JN**, Ellenbogen KA, Huizar JF. Impact of ventricular ectopic burden in a premature ventricular contraction-induced cardiomyopathy animal model. *Heart Rhythm*. 2016 Mar; 13(3):755-61. PMID: [26586453](#)
20. Kasirajan V, Sayeed S, Filler E, Knarik A, **Koneru JN**, Ellenbogen KA. Histopathology of Bipolar Radiofrequency Ablation in the Human Atrium. *Ann Thorac Surg*. 2016 Feb; 101(2):638-43. PMID: [26387724](#)
21. Cardona-Guarache R, Pozen J, Jahangiri A, **Koneru J**, Shepard R, Roberts C, Abbate A, Cassano A. Thoracic Sympathectomy for Severe Refractory Multivessel Coronary Artery Spasm. *Am J Cardiol*. 2016 Jan 1; 117(1):159-61. PMID: [26522343](#)

22. Sacher F, Reichlin T, Zado ES, Field ME, Viles-Gonzalez JF, Peichl P, Ellenbogen KA, Maury P, Dukkipati SR, Picard F, Kautzner J, Barandon L, **Koneru JN**, Ritter P, Mahida S, Calderon J, Derval N, Denis A, Cochet H, Shepard RK, Corre J, Coffey JO, Garcia F, Hocini M, Tedrow U, Haissaguerre M, d'Avila A, Stevenson WG, Marchlinski FE, Jais P. Characteristics of ventricular tachycardia ablation in patients with continuous flow left ventricular assist devices. *Circ Arrhythm Electrophysiol*. 2015 Jun; 8(3):592-7. PMID: [25870335](#)
23. **Koneru JN**, Kaszala K, Bordachar P, Shehata M, Swerdlow C, Ellenbogen KA. Spectrum of issues detected by an ICD diagnostic alert that utilizes far-field electrograms: Clinical implications. *Heart Rhythm*. 2015 May; 12(5):957-67. PMID: [25640632](#)
24. Shah RM, Patel D, Molnar J, Ellenbogen KA, **Koneru JN**. Cardiac-resynchronization therapy in patients with systolic heart failure and QRS interval =130 ms: insights from a meta-analysis. *Europace*. 2015 Feb; 17(2):267-73. PMID: [25164431](#)
25. Thompson JJ, McDonnell KM, Reavey-Cantwell JF, Ellenbogen KA, **Koneru JN**. Paradoxical septic emboli secondary to pacemaker endocarditis: transvenous lead extraction with distal embolization protection. *Circ Arrhythm Electrophysiol*. 2014 Dec; 7(6):1271-2. PMID: [25516585](#)
26. **Koneru JN**, McDonnell K, Kaszala K, Huizar JF, Ellenbogen KA. Resolution of bundle branch block during cryoablation: continue ablating or not? *J Cardiovasc Electrophysiol*. 2014 Nov; 25(11):1263-5. PMID: [25081359](#)
27. **Koneru JN**, Badhwar N, Ellenbogen KA, Lee RJ. LAA ligation using the LARIAT suture delivery device: tips and tricks for a successful procedure. *Heart Rhythm*. 2014 May; 11(5):911-21. PMID: [24462524](#)
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Personal Statement

My association with VCU School of Medicine and VCU Pauley Heart Center started in 2010 when I commenced my advanced training as a fellow in Cardiac Electrophysiology. I was fortunate in that, my mentors who trained me have recognized my academic practice inclinations and recruited me in 2012 to join them as an Assistant Professor, specializing in Cardiac Electrophysiology. Being appointed as the Cardiac Electrophysiology Fellowship Program Director in 2017 was particularly gratifying, as it was a reflection of years of clinical and academic pursuit. The umbrella that VCU School of Medicine and the Department leadership provided me resulted in our Division making significant inroads in every aspect of clinical Cardiac Electrophysiology, particularly in complex interventions which include epicardial and endocardial mapping and ablation for supraventricular and ventricular tachycardia as well as cryo-balloon and radiofrequency ablation for atrial fibrillation, complex lead management issues including lead extractions with laser assisted technologies and femoral snares. Our division is one of the few in the world that offers bedside sympathetic blockade of the stellate ganglions as well as ethanol ablation of the vein of Marshall (autonomic ganglia).

I was fortunate to have trained fellows who have are excelling in their own careers both in the academic sphere as well as private practice sphere. Every year our fellows have presented multiple abstracts at the national and international meetings. It is a particularly gratifying mentoring experience when our fellows have successfully published first author papers in reputed journals.

Community service is very dear to my heart; for the last five years I have devoted my time and efforts to bring complex electrophysiology procedures to indigent patients in Nicaragua. Till date, we have treated several hundred patients in Nicaragua , as part of the FOR Nicaragua non-profit organization. In 2017, with the support of VCU Pauley Heart Center, Charlotte Roberts, NP and myself organized a cardiac electrophysiology and intensive care workshop and performed numerous EP procedures at Sri Venkateswara Institute of Medical Sciences, Tirupathi, India. Several local Cardiologists were trained in performing life-saving procedures and in-depth education regarding acute resuscitation was organized and delivered over a week long period.

Enthusiastic participation and building a robust VCU Hospitals outreach program at Williamsburg, South Hill and Henrico Doctors Hospital, was one of the activities for which I dedicated a lot of time and effort over the last five years. This helped establish

and nurture long-term relationships with referring physicians and helped disseminating VCU School of Medicine's mission and vision to these areas, while taking care of innumerable patients.

Striving for continual improvement of academic as well as clinical expertise, I have had mini sabbaticals in world renowned Electrophysiology laboratories in France (2016) and Brazil (2012). This was actively supported by the Department of Medicine as well as Division of Cardiology. Such endeavors have resulted in bringing back the technical and academic know-how to our Division. This not only enhanced our own clinical techniques but also resulted in numerous publications as well as textbooks.

Having been an integral part of an outstanding Division, and striving to uphold the standards of academics, clinical service, teaching and clinical research laid out by the Department of Medicine, I sincerely request the committee to consider my application for Associate Professorship at the VCU School of Medicine.

Respectfully,
Jay Koneru

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