



## Duy T Nguyen

Clinical Associate Professor, Medicine - Cardiovascular Medicine

### CLINICAL OFFICES

- **Cardiovascular Medicine Clinic**

300 Pasteur Dr Rm A237

MC 5319

Stanford, CA 94305

**Tel** (650) 723-7111

**Fax** (650) 725-7568

### ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Tatyana Perkis - Administrative Associate

**Email** tperkis@stanford.edu

**Tel** 650-723-9363

### Bio

---

#### BIO

In my academic and scholarship endeavors, I continue to be guided by a commitment to patient care and a desire to teach, learn, and conduct research in a multifaceted and multidisciplinary field. Cardiac electrophysiology is a dynamic and innovative field, pushing at the boundaries of science and medicine; new research findings are quickly translated to the clinical setting. In this environment of active research endeavors and strong clinical growth, I have sought to bring innovative approaches, both clinical and translational, to the treatment of cardiac arrhythmias.

#### Clinical Interests

My clinical interests include management of complex arrhythmias through the use of medications and/or ablation technologies for all types of tachycardias, including atrial fibrillation and ventricular tachycardia; cardiac device placements such as biventricular pacemakers and defibrillators; and implantation of left atrial appendage closure devices for stroke prevention in patients with atrial fibrillation. I have a strong focus on complex ablations in patients with life-threatening arrhythmias such as ventricular tachycardia/fibrillation and in patients with complex congenital heart abnormalities.

#### Care Philosophy

Cardiology and electrophysiology are highly technical fields utilizing the latest and most advanced technology to deliver outstanding care. However, at the end of the day, I believe that the best care for my patients involves listening to them, informing them about their illness, involving them in their care, and always doing what is in their best interests.

#### Volunteer Activities

I came here as a refugee from war and have been fortunate to gain the experiences that I have had, so that I can give back to the community. I have worked in homeless shelters, taught GED and ESL, vaccinated at-risk youths from hepatitis B, and worked to treat and prevent HIV/AIDS in impoverished communities.

### CLINICAL FOCUS

- Clinical Cardiac Electrophysiology

## **ACADEMIC APPOINTMENTS**

- Clinical Associate Professor, Medicine - Cardiovascular Medicine

## **ADMINISTRATIVE APPOINTMENTS**

- Director, Translational and Experimental EP Research Lab, (2019- present)
- Fellow, Stanford Faculty Biodesign, (2019- present)

## **HONORS AND AWARDS**

- Advanced Industries Accelerator Grant, State of Colorado (2017-2019)
- Platinum Reviewer Recognition Award, Circulation Arrhythmia Electrophysiology (2019)
- Best Poster Award (senior author), American College Cardiology Scientific Sessions (2019)
- Platinum Reviewer Recognition Award, Circulation Arrhythmia Electrophysiology (2018)
- Bioscience Discovery Evaluation Grant, State of Colorado (2015-2017)
- Faculty Citizenship Award, University of Colorado (2012)
- Faculty Citizenship Award, University of Colorado (2011)
- Outstanding Faculty Teaching Award, University of Colorado (2011)
- F32- National Research Service Award, NHLBI, National Institutes of Health (2007-2010)
- Laennec Young Clinician Award, Finalist, American Heart Association (2006)
- Excellence in Teaching Award, Department of Medicine, Massachusetts General Hospital (2005)

## **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- Vice Chair, Heart Rhythm Society Research Committee (2016 - present)
- Editorial Board, Circulation: Arrhythmia and Electrophysiology (2017 - present)
- Fellow, American Heart Association (2019 - present)
- Fellow, American College of Cardiology (2010 - present)
- Fellow, Heart Rhythm Society (2012 - present)
- Member, Pediatric and Congenital Electrophysiology Society (PACES) Research Subcommittee (2018 - present)
- Heart Rhythm Advisory Panel, Heart Rhythm Society (2014 - 2016)

## **PROFESSIONAL EDUCATION**

- Board Certification: Adult Congenital Heart Disease, American Board of Internal Medicine (2019)
- Board Certification, American Board of Internal Medicine , Cardiac Electrophysiology (2010)
- Board Certification, American Board of Internal Medicine , Cardiovascular Medicine (2008)
- Board Certification, American Board of Internal Medicine , Internal Medicine (2005)
- Fellowship, University of California San Francisco , Cardiac Electrophysiology (2010)
- Fellowship, Cardiovascular Research Institute and University of California San Francisco , Postdoctoral fellowship- Cardiovascular Research (2010)
- Board Certification: Clinical Cardiac Electrophysiology, American Board of Internal Medicine (2010)
- Fellowship, University of California San Francisco , Cardiovascular Medicine (2008)
- Fellowship: UCSF Cardiology Fellowship (2010) CA
- Residency, Massachusetts General Hospital and Harvard Medical School , Internal Medicine (2005)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2008)

- Internship, Massachusetts General Hospital and Harvard Medical School , Internal Medicine (2003)
- Fellowship: UCSF Cardiology Fellowship (2008) CA
- MD, Harvard Medical School (2002)
- Residency: Massachusetts General Hospital Internal Medicine Residency (2005) MA
- MA, Harvard Graduate School of Arts and Sciences , Biology (1997)
- Medical Education: Harvard Medical School (2002) MA
- BA, Harvard University , Biology (1997)

## PATENTS

- Duy Nguyen, William Sauer. "United States Patent Provisional Patent No. 16/099,108 Liposomal Magnetic Nanoparticles and Electromagnetic Ablation Catheter", University of Colorado, May 10, 2016
- Duy Nguyen, William Sauer. "United States Patent Provisional patent No. 14/942,442 Partially Insulated Focused Radiofrequency Ablation Catheter", University of Colorado, Mar 3, 2015

## Research & Scholarship

---

### CURRENT RESEARCH AND SCHOLARLY INTERESTS

The long-term goals of my translational research are to evaluate novel radiofrequency (RF) ablation strategies, catheter designs to improve procedural efficacy and safety outcomes, and molecular targets to enhance RF ablation of atrial fibrillation and ventricular tachycardia. We have translational and clinical studies on multiple ablation catheter designs as well as ablation strategies to improve safety and maximize RF delivery during ablation for atrial fibrillation and ventricular tachycardia. We have both in vivo and ex vivo animal models (small and large animal) of atrial and ventricular arrhythmias.

At the translational level, our ablation biophysics studies include utilizing various nanomaterials to help facilitate ablation as well as designing specialized catheters to improve safety and efficacy of ablation. We are studying specific variations in catheter design to improve ablation; testing delivery methods of facilitating agents; optimizing biophysical parameters; determining the precise RF electromagnetic field to minimize collateral damage; and studying magnetic driven facilitating agents.

At the clinical level, my research has focused on the application of biophysical principles to AF and VT ablation outcomes, in addition to research related to adult congenital heart disease. Projects include a multicenter consortium on the use of EP studies in risk stratification of sudden death for Tetralogy of Fallot (ToF) patients undergoing pulmonary valve replacement; perioperative EP studies and VT ablation in ToF patients; outcomes in multicenter cohorts of ACHD patients undergoing AF and VT ablations; and outcomes in ACHD subpopulations undergoing EP procedures, such as those with bicuspid aortic valves, right atrial myopathies, and others.

## Publications

---

### PUBLICATIONS

- **Increased incidence of cavotricuspid isthmus atrial flutter following slow pathway ablation.** *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*  
Varela, D. L., Rosenberg, M. A., Borne, R. T., Sandhu, A., Zipse, M. M., Tzou, W. S., Sauer, W. H., Scheinman, M. M., Nguyen, D. T.  
2021
- **Open surgical ablation of ventricular tachycardia: Utility and feasibility of contemporary mapping and ablation tools.** *Heart rhythm O2*  
Kunkel, M., Rothstein, P., Sauer, P., Zipse, M. M., Sandhu, A., Tumolo, A. Z., Borne, R. T., Aleong, R. G., Cleveland, J. C., Fullerton, D., Pal, J. D., Davies, A. S., Lane, et al  
2021; 2 (3): 271-279
- **Uncovering a unique path: Antidromic AVRT utilizing a Left Anteroseptal Mahaim-like accessory pathway.** *Pacing and clinical electrophysiology : PACE*  
Sandhu, A., Tzou, W. S., Borne, R. T., Zipse, M. M., Nguyen, D. T., Sauer, W. H.  
2020

- **Patients with bicuspid aortic valves may be associated with infra-hisian conduction disease requiring pacemakers.** *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*  
Biswas, M., Sandhu, A., Kay, J. D., Khanna, A. D., Collins, K. K., Sauer, W. H., Nguyen, D. T.  
2020
- **Use of cell phone adapters is associated with reduction in disparities in remote monitoring of cardiac implantable electronic devices.** *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*  
Mantini, N., Borne, R. T., Varosy, P. D., Rosenberg, M. A., Marzec, L. N., Sauer, W. H., Nguyen, D. T.  
2020
- **Ablation of Supraventricular Tachycardias From Concealed Left-sided Nodoventricular And Nodofascicular Accessory Pathways.** *Circulation. Arrhythmia and electrophysiology*  
Cardona-Guarache, R., Han, F. T., Nguyen, D. T., Chicos, A. B., Badhwar, N., Knight, B. P., Johnson, C. J., Heaven, D., Scheinman, M. M.  
2020
- **Impact of Epicardial Adipose Tissue and Catheter Ablation Strategy on Biophysical Parameters and Ablation Lesion Characteristics.** *Journal of cardiovascular electrophysiology*  
Zipse, M. M., Edward, J. A., Zheng, L. n., Tzou, W. S., Borne, R. T., Sauer, W. H., Nguyen, D. T.  
2020
- **Letter in reply: Forging ahead: Update on radiofrequency ablation technology and techniques.** *Journal of cardiovascular electrophysiology*  
Sandhu, A. n., Nguyen, D. T.  
2020
- **Continuous Ablation Improves Lesion Maturation Compared with Intermittent Ablation Strategies.** *Journal of cardiovascular electrophysiology*  
Rogers, A. J., Borne, R. T., Ho, G. n., Sauer, W. H., Wang, P. J., Narayan, S. M., Zheng, L. n., Nguyen, D. T.  
2020
- **Real-time Electrogram Analysis for Drivers of Atrial Fibrillation (RADAR): A Multi-Center FDA-IDE Clinical Trial of Persistent AF.** *Circulation. Arrhythmia and electrophysiology*  
Choudry, S. n., Mansour, M. n., Sundaram, S. n., Nguyen, D. T., Dukkipati, S. R., Whang, W. n., Kessman, P. n., Reddy, V. Y.  
2020
- **Letter in reply: Continuous radiofrequency ablation in scar-based arrhythmia substrate.** *Journal of cardiovascular electrophysiology*  
Rogers, A. J., Nguyen, D. T.  
2020
- **Direct Thrombin Inhibitors as an Alternative to Heparin During Catheter Ablation: A Multicenter Experience.** *JACC. Clinical electrophysiology*  
Voskoboinik, A. n., Butcher, E. n., Sandhu, A. n., Nguyen, D. T., Tzou, W. n., Della Rocca, D. G., Natale, A. n., Zado, E. S., Marchlinski, F. E., Aguilar, M. n., Sauer, W. n., Tedrow, U. B., Gerstenfeld, et al  
2020
- **Electrical Storm in COVID-19.** *JACC. Case reports*  
O'Brien, C. n., Ning, N. n., McAvoy, J. n., Mitchell, J. E., Kalwani, N. n., Wang, P. n., Nguyen, D. n., Reejsinghani, R. n., Rogers, A. n., Lorenzo, J. n.  
2020; 2 (9): 1256–60
- **The New Normal.** *JACC. Clinical electrophysiology*  
Nguyen, D. T., Baykaner, T. n.  
2020; 6 (6): 693–95
- **Patient Selection for Epicardial Ablation-Part II: The Epicardial Approach and Current Challenges Associated with Epicardial Ablation.** *The Journal of innovations in cardiac rhythm management*  
Edward, J. A., Nguyen, D. T.  
2019; 10 (11): 3906–12
- **Patient Selection for Epicardial Ablation-Part I: The Role of Epicardial Ablation in Various Cardiac Disease States.** *The Journal of innovations in cardiac rhythm management*  
Edward, J. A., Nguyen, D. T.  
2019; 10 (11): 3897–3905

- **Bipolar Radiofrequency Ablation Creates Different Lesion Characteristics Compared to Simultaneous Unipolar Ablation.** *Journal of cardiovascular electrophysiology*  
Nguyen, D. T., Zheng, L., Zipse, M. M., Borne, R. T., Tzou, W. S., Fleeman, B., Sauer, W. H.  
2019
- **Follow-Up After Catheter Ablation of Papillary Muscles and Valve Cusps.** *JACC. Clinical electrophysiology*  
Edward, J. A., Zipse, M. M., Tompkins, C., Varosy, P. D., Sandhu, A., Rosenberg, M., Aleong, R., Tzou, W. S., Borne, R. T., Sauer, W. H., Nguyen, D. T.  
2019; 5 (10): 1185–96
- **Ankyrin-B dysfunction predisposes to arrhythmogenic cardiomyopathy and is amenable to therapy.** *The Journal of clinical investigation*  
Roberts, J. D., Murphy, N. P., Hamilton, R. M., Lubbers, E. R., James, C. A., Kline, C. F., Gollob, M. H., Krahn, A. D., Sturm, A. C., Musa, H., El-Refaey, M., Koenig, S., Aneq, et al  
2019; 130: 3171–84
- **Electrophysiologic testing for diagnostic evaluation and risk stratification in patients with suspected cardiac sarcoidosis with preserved left and right ventricular systolic function.** *Journal of cardiovascular electrophysiology*  
Zipse, M. M., Tzou, W. S., Schuller, J. L., Aleong, R. G., Varosy, P. D., Tompkins, C., Borne, R. T., Tumolo, A. Z., Sandhu, A., Kim, D., Freeman, A. M., Weinberger, H. D., Maier, et al  
2019
- **Safety and outcomes of catheter ablation for atrial fibrillation in adults with congenital heart disease: A multicenter registry study** *HEART RHYTHM*  
Liang, J. J., Frankel, D. S., Parikh, V., Lakkireddy, D., Mohanty, S., Burkhardt, J., Natale, A., Szilagyi, J., Gerstenfeld, E. P., Moore, J. P., Collins, K. K., Kay, J. D., Santangeli, et al  
2019; 16 (6): 846–52
- **Ambulatory Rhythm Monitoring to Detect Late High-Grade Atrioventricular Block Following Transcatheter Aortic Valve Replacement** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Ream, K., Sandhu, A., Valle, J., Weber, R., Kaizer, A., Wiktor, D. M., Borne, R. T., Tumolo, A. Z., Kunkel, M., Zipse, M. M., Schuller, J., Tompkins, C., Rosenberg, et al  
2019; 73 (20): 2538–47
- **Esophageal position, measured luminal temperatures, and risk of atrioesophageal fistula with atrial fibrillation ablation** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Sandhu, A., Zipse, M. M., Borne, R. T., Aleong, R. G., Tompkins, C., Schuller, J., Rosenberg, M., Varosy, P. D., Tzou, W. S., Nguyen, D. T., Sauer, W. H.  
2019; 42 (4): 458–63
- **VALVULAR FOLLOW-UP AFTER CATHETER ABLATION OF PAPILLARY MUSCLES AND AORTIC CUSPS IN THE TREATMENT OF VENTRICULAR ARRHYTHMIAS**  
Edward, J. A., Sauer, W., Zipse, M., Tzou, W. S., Tompkins, C., Varosy, P., Sandhu, A., Rosenberg, M., Borne, R., Aleong, R., Nguyen, D.  
ELSEVIER SCIENCE INC.2019: 337
- **ABLATION FOR MANAGEMENT OF VENTRICULAR TACHYCARDIA IN PATIENTS WITH SEVERE HEART FAILURE IS ASSOCIATED WITH LOWER INCIDENCE OF HEART FAILURE READMISSIONS COMPARED TO MEDICAL THERAPY ALONE**  
Beck, N., Sauer, P., Tumolo, A., Sandhu, A., Zipse, M., Borne, R., Nguyen, D., Schuller, J., Aleong, R., Tompkins, C., Varosy, P., Rosenberg, M., Khazanie, et al  
ELSEVIER SCIENCE INC.2019: 456
- **ABLATION OF VENTRICULAR TACHYCARDIA IN PATIENTS WITH SEVERE HEART FAILURE IS ASSOCIATED WITH LOWER VENTRICULAR TACHYCARDIA RECURRENCE, MORTALITY, OR HEART FAILURE READMISSION COMPARED TO MEDICAL THERAPY ALONE**  
Beck, N., Sauer, P., Tumolo, A., Sandhu, A., Zipse, M., Borne, R., Nguyen, D., Schuller, J., Aleong, R., Tompkins, C., Varosy, P., Rosenberg, M., Khazanie, et al  
ELSEVIER SCIENCE INC.2019: 455
- **Use of half-normal saline irrigant with cooled radiofrequency ablation within the great cardiac vein to ablate premature ventricular contractions arising from the left ventricular summit** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Sandhu, A., Schuller, J. L., Tzou, W. S., Tumolo, A. Z., Sauer, W. H., Nguyen, D. T.  
2019; 42 (3): 301–5
- **Successful ablation of ventricular tachycardia arising from a midmyocardial septal outflow tract site utilizing a simplified bipolar ablation setup.** *HeartRhythm case reports*  
Sauer, P. J., Kunkel, M. J., Nguyen, D. T., Davies, A., Lane, C., Tzou, W. S.  
2019; 5 (2): 105–8

- **Long term follow-up after ventricular tachycardia ablation in patients with congenital heart disease.** *Journal of cardiovascular electrophysiology*  
Yang, J. n., Brunnuquell, M. n., Liang, J. J., Callans, D. J., Garcia, F. C., Lin, D. n., Frankel, D. S., Kay, J. n., Marchlinski, F. E., Tzou, W. n., Sauer, W. H., Liu, B. n., Ruckdeschel, et al  
2019
- **Forging Ahead: Update on Radiofrequency Ablation Technology and Techniques.** *Journal of cardiovascular electrophysiology*  
Sandhu, A. n., Nguyen, D. T.  
2019
- **Narrowing the Field: Closely Spaced Bipoles for Enhanced Detection of Low Voltage EGM.** *JACC. Clinical electrophysiology*  
Nguyen, D. T., Tumolo, A. Z.  
2019; 5 (1): 78–80
- **Moving the Needle: Tissue Characterization and Lesion Formation During Infusion-Needle Ablation.** *Heart rhythm*  
Nguyen, D. T., Narayan, S. M.  
2019
- **VT arising from sub-aortic muscular outflow tract structures: In two patients with ventricular septal defects.** *Pacing and clinical electrophysiology : PACE*  
Chang, S. n., Marzec, L. n., Kay, J. n., Khanna, A. n., Sauer, W. H., Nguyen, D. T.  
2019; 42 (8): 1155–57
- **Ablation of atrial arrhythmias in patients with cardiogenic shock on mechanical circulatory support.** *HeartRhythm case reports*  
Mantini, N. n., Zipse, M. n., Tompkins, C. n., Varosy, P. D., Sauer, W. H., Nguyen, D. T.  
2019; 5 (3): 115–19
- **Wearable Cardioverter-Defibrillator after Myocardial Infarction** *NEW ENGLAND JOURNAL OF MEDICINE*  
Olgin, J. E., Pletcher, M. J., Vittinghoff, E., Wranicz, J., Malik, R., Morin, D. P., Zweibel, S., Buxton, A. E., Elayi, C. S., Chung, E. H., Rashba, E., Borggrefe, M., Hue, et al  
2018; 379 (13): 1205–15
- **Heart Block After Discharge in Patients Undergoing TAVR With Latest-Generation Valves** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Sandhu, A., Tzou, W., Ream, K., Valle, J., Tompkins, C., Nguyen, D. T., Sauer, W. H., Carroll, J. D., Messenger, J., Aleong, R. G.  
2018; 71 (5): 577–78
- **Red Alert Infrared Thermography for Esophageal Monitoring** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Borne, R. T., Nguyen, D. T.  
2018; 11 (2): e006113
- **Prospective Multicenter Experience With Cooled Radiofrequency Ablation Using High Impedance Irrigant to Target Deep Myocardial Substrate Refractory to Standard Ablation.** *JACC. Clinical electrophysiology*  
Nguyen, D. T., Tzou, W. S., Sandhu, A. n., Gianni, C. n., Anter, E. n., Tung, R. n., Valderrábano, M. n., Hranitzky, P. n., Soeijma, K. n., Saenz, L. n., Garcia, F. C., Tedrow, U. B., Miller, et al  
2018; 4 (9): 1176–85
- **Perioperative electrophysiology study in patients with tetralogy of Fallot undergoing pulmonary valve replacement will identify those at high risk of subsequent ventricular tachycardia.** *Heart rhythm*  
Sandhu, A. n., Ruckdeschel, E. n., Sauer, W. H., Collins, K. K., Kay, J. D., Khanna, A. n., Jagers, J. n., Campbell, D. n., Mitchell, M. n., Nguyen, D. T.  
2018; 15 (5): 679–85
- **Successful atrial fibrillation ablation without pulmonary vein isolation utilizing focal impulse and rotor mapping in an atriopulmonary Fontan.** *HeartRhythm case reports*  
Kollengode, M. n., Mathew, J. n., Yeung, E. n., Sauer, W. H., Nguyen, D. T.  
2018; 4 (6): 241–46
- **Longer Duration Versus Increasing Power During Radiofrequency Ablation Yields Different Ablation Lesion Characteristics.** *JACC. Clinical electrophysiology*  
Borne, R. T., Sauer, W. H., Zipse, M. M., Zheng, L. n., Tzou, W. n., Nguyen, D. T.  
2018; 4 (7): 902–8
- **Repeat ablation of refractory ventricular arrhythmias in patients with nonischemic cardiomyopathy: Impact of midmyocardial substrate and role of adjunctive ablation techniques.** *Journal of cardiovascular electrophysiology*

- Tzou, W. S., Rothstein, P. A., Cowherd, M. n., Zipse, M. M., Tompkins, C. n., Marzec, L. n., Aleong, R. G., Schuller, J. L., Varosy, P. D., Borne, R. T., Mathew, J. n., Tumolo, A. n., Sandhu, et al  
2018; 29 (10): 1403–12
- **Use of Tissue Electric and Ultrasound Characteristics to Predict and Prevent Steam-Generated Cavitation During High-Power Radiofrequency Ablation.** *JACC. Clinical electrophysiology*  
Nguyen, D. T., Zipse, M. n., Borne, R. T., Zheng, L. n., Tzou, W. S., Sauer, W. H.  
2018; 4 (4): 491–500
  - **Effect of Environmental Impedance Surrounding a Radiofrequency Ablation Catheter Electrode on Lesion Characteristics** *Journal of cardiovascular electrophysiology*  
Nguyen, D. T., Lijun, Z. n., Joseph, S. n., Zipse, M. n., Tzou, W. S., Sauer, W. H.  
2018; 28 (5)
  - **Near-Field Ultrasound Imaging of Ablation Lesion Formation More Than Meets the Eye?** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Zipse, M. M., Nguyen, D. T.  
2017; 10 (12)
  - **Circulation of Cooled Saline Protects Adjacent, Nontargeted Tissues During Radiofrequency Ablation**  
Nguyen, D. T., Zheng, L., Tzou, W., Zipse, M., Sauer, W.  
WILEY.2017: 577–78
  - **SAFETY AND OUTCOMES OF CATHETER ABLATION FOR TREATMENT OF REFRACTORY VENTRICULAR ARRHYTHMIAS IN PATIENTS WITH ADVANCED HEART FAILURE**  
Cowherd, M., Rothstein, P., Tumolo, A., Altman, N., Khazanie, P., Ambardekar, A., Brieke, A., Wolfel, E., Cornwell, W., Zipse, M., Nguyen, D., Marzec, L., Aleong, et al  
ELSEVIER SCIENCE INC.2017: 535
  - **Radiofrequency Ablation Using an Open Irrigated Electrode Cooled With Half-Normal Saline.** *JACC. Clinical electrophysiology*  
Nguyen, D. T., Gerstenfeld, E. P., Tzou, W. S., Jurgens, P. T., Zheng, L. n., Schuller, J. n., Zipse, M. n., Sauer, W. H.  
2017; 3 (10): 1103–10
  - **Spectrum of Cardiac Arrhythmias in Isolated Ventricular Non-Compaction.** *The Journal of innovations in cardiac rhythm management*  
Tumolo, A. Z., Nguyen, D. T.  
2017; 8 (7): 2774–83
  - **Noninvasive Predictors of Ventricular Arrhythmias in Patients With Tetralogy of Fallot Undergoing Pulmonary Valve Replacement.** *JACC. Clinical electrophysiology*  
Cortez, D. n., Barham, W. n., Ruckdeschel, E. n., Sharma, N. n., McCanta, A. C., von Alvensleben, J. n., Sauer, W. H., Collins, K. K., Kay, J. n., Patel, S. n., Nguyen, D. T.  
2017; 3 (2): 162–70
  - **Noninvasive predictors of perioperative atrial arrhythmias in patients with tetralogy of Fallot undergoing pulmonary valve replacement.** *Clinical cardiology*  
Cortez, D. n., Barham, W. n., Ruckdeschel, E. n., Sharma, N. n., McCanta, A. C., von Alvensleben, J. n., Sauer, W. H., Collins, K. K., Kay, J. n., Patel, S. n., Nguyen, D. T.  
2017; 40 (8): 591–96
  - **Slow Pathway Modification in a Patient with D-Transposition of the Great Arteries and Atrial Switch Procedure.** *Cardiac electrophysiology clinics*  
Ruckdeschel, E. S., Kay, J., Varosy, P., Nguyen, D. T.  
2016; 8 (1): 191–96
  - **Intra-atrial Reentrant Tachycardia in Complete Transposition of the Great Arteries Without Femoral Venous Access.** *Cardiac electrophysiology clinics*  
Borne, R. T., Kay, J., Fagan, T., Nguyen, D. T.  
2016; 8 (1): 197–200
  - **Ventricular Tachycardia in Congenital Pulmonary Stenosis.** *Cardiac electrophysiology clinics*  
Ruckdeschel, E. S., Schuller, J., Nguyen, D. T.  
2016; 8 (1): 205–9
  - **Supraventricular Tachycardia in a Patient with an Interrupted Inferior Vena Cava.** *Cardiac electrophysiology clinics*

- Gonzalez, J. E., Nguyen, D. T.  
2016; 8 (1): 45–50
- **A Case of Cough-induced Ventricular Tachycardia in a Patient with a Left Ventricular Assist Device.** *Cardiac electrophysiology clinics*  
Ruckdeschel, E. S., Wolfel, E., Nguyen, D. T.  
2016; 8 (1): 165–67
  - **An Approach to Endovascular Ventricular Pacing in a Patient with Ebstein Anomaly and a Mechanical Tricuspid Valve.** *Cardiac electrophysiology clinics*  
Zipse, M. M., Groves, D. W., Khanna, A. D., Nguyen, D. T.  
2016; 8 (1): 169–71
  - **Ablation of Atrial Fibrillation in a Patient with a Mechanical Mitral Valve.** *Cardiac electrophysiology clinics*  
Zipse, M. M., Nguyen, D. T.  
2016; 8 (1): 155–59
  - **Antidromic Atrioventricular Reciprocating Tachycardia Using a Concealed Retrograde Conducting Left Lateral Accessory Pathway.** *Cardiac electrophysiology clinics*  
Gonzalez, J. E., Zipse, M. M., Nguyen, D. T., Sauer, W. H.  
2016; 8 (1): 37–43
  - **Impact of Alcohol Consumption on Atrial Fibrillation Outcomes Following Pulmonary Vein Isolation.** *Journal of atrial fibrillation*  
Barham, W. Y., Sauer, W. H., Fleeman, B. n., Brunnquell, M. n., Tzou, W. n., Aleong, R. n., Schuller, J. n., Zipse, M. n., Tompkins, C. n., Nguyen, D. T.  
2016; 9 (4): 1505
  - **Clinical and biophysical evaluation of variable bipolar configurations during radiofrequency ablation for treatment of ventricular arrhythmias.** *Heart rhythm*  
Nguyen, D. T., Tzou, W. S., Brunnquell, M. n., Zipse, M. n., Schuller, J. L., Zheng, L. n., Aleong, R. A., Sauer, W. H.  
2016; 13 (11): 2161–71
  - **Protection of Critical Structures During Radiofrequency Ablation of Adjacent Myocardial Tissue Using Catheter Tips Partially Insulated With Thermally Conductive Material.** *JACC. Clinical electrophysiology*  
Nguyen, D. T., Tzou, W. S., Zipse, M. M., Moss, J. D., Zheng, L. n., Sauer, W. H.  
2016; 2 (7): 838–46
  - **Ventricular Tachycardia in a Patient with Biventricular Noncompaction.** *Cardiac electrophysiology clinics*  
Gonzalez, J. E., Tzou, W. n., Sauer, W. H., Nguyen, D. T.  
2016; 8 (1): 139–44
  - **Atrial Fibrillation Ablation Without Pulmonary Vein Isolation in a Patient with Fontan Palliation.** *Cardiac electrophysiology clinics*  
Ruckdeschel, E. S., Kay, J. n., Sauer, W. H., Nguyen, D. T.  
2016; 8 (1): 161–64
  - **Enhanced Radiofrequency Ablation With Magnetically Directed Metallic Nanoparticles.** *Circulation. Arrhythmia and electrophysiology*  
Nguyen, D. T., Tzou, W. S., Zheng, L. n., Barham, W. n., Schuller, J. L., Shillinglaw, B. n., Quaipe, R. A., Sauer, W. H.  
2016; 9 (5)
  - **Lower Left Atrial Strain Rates Are Observed in Patients Who Develop Atrial Fibrillation After Successful Atrial Flutter Ablation**  
Gonzalez, J. E., Sauer, W. H., Nguyen, D. T.  
WILEY-BLACKWELL.2015: 588–89
  - **Measured Lead Parameters and Electrogram Sensing Over Time in Patients With Cardiac Sarcoidosis and an Implanted Cardiac-Defibrillator.** *JACC. Clinical electrophysiology*  
Zipse, M. M., Schuller, J. L., Steckman, D. S., Katz, D. F., Tzou, W. S., Nguyen, D. T., Aleong, R. G., Sung, R. K., Tompkins, C., Varosy, P. D., Sauer, W. H.  
2015; 1 (1-2): 94–102
  - **Effect of radiofrequency energy delivery in proximity to metallic medical device components.** *Heart rhythm*  
Nguyen, D. T., Barham, W. n., Zheng, L. n., Dinegar, S. n., Tzou, W. S., Sauer, W. H.  
2015; 12 (10): 2162–69
  - **Effects of radiofrequency energy delivered through partially insulated metallic catheter tips on myocardial tissue heating and ablation lesion characteristics.** *Heart rhythm*



- Nguyen, D. T., Moss, J. D., Zheng, L. n., Huang, J. n., Barham, W. n., Sauer, W. H.  
2015; 12 (3): 623–30
- **Effect of Irrigant Characteristics on Lesion Formation After Radiofrequency Energy Delivery Using Ablation Catheters with Actively Cooled Tips.** *Journal of cardiovascular electrophysiology*  
Nguyen, D. T., Olson, M. n., Zheng, L. n., Barham, W. n., Moss, J. D., Sauer, W. H.  
2015; 26 (7): 792–98
  - **Gadolinium Augmentation of Myocardial Tissue Heating During Radiofrequency Ablation.** *JACC. Clinical electrophysiology*  
Nguyen, D. T., Barham, W. n., Moss, J. n., Zheng, L. n., Shillinglaw, B. n., Quaiife, R. n., Tzou, W. S., Sauer, W. H.  
2015; 1 (3): 177–84
  - **Carbon Nanotube Facilitation of Myocardial Ablation with Radiofrequency Energy** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Nguyen, D. T., Barham, W., Zheng, L., Shillinglaw, B., Tzou, W. S., Neltner, B., Mestroni, L., Bosi, S., Ballerini, L., Prato, M., Sauer, W. H.  
2014; 25 (12): 1385–90
  - **Diagnostic Value of Adenosine Conversion of Wide Complex Tachycardia Reply** *JAMA INTERNAL MEDICINE*  
Schuller, J. L., Varosy, P. D., Duy Thai Nguyen  
2014; 174 (10): 1706
  - **Inappropriate Shocks due to Subcutaneous Air in a Patient With a Subcutaneous Cardiac Defibrillator** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Zipse, M. M., Sauer, W. H., Varosy, P. D., Aleong, R. G., Nguyen, D. T.  
2014; 7 (4): 768–70
  - **In-Hospital Complications Associated With Reoperations of Implantable Cardioverter Defibrillators** *AMERICAN JOURNAL OF CARDIOLOGY*  
Stedman, D. A., Varosy, P. D., Parzynski, C. S., Masoudi, F. A., Curtis, J. P., Sauer, W. H., Nguyen, D. T.  
2014; 114 (3): 419–26
  - **Change in QRS Duration Over Time Predicts Ventricular Tachycardia after Cardiac Resynchronization Therapy**  
Steckman, D. A., Frasier, R., Zipse, M., Gonzalez, J., Katz, D., Aleong, R., Schuller, J., Tzou, W., Tompkins, C., Nguyen, D. T., Varosy, P., Sauer, W., Sung, et al  
CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2014: S36
  - **Atrial flutter ablation in a patient with Marfanoid syndrome and anomalous cavotricuspid isthmus** *EUROPACE*  
Heath, R., Kay, J., Duy Thai Nguyen  
2014; 16 (7): 1006
  - **Catheter ablation of atrial fibrillation and left atrial flutter in a patient with a left atrial appendage occlusion device** *EUROPACE*  
Steckman, D. A., Duy Thai Nguyen, Sauer, W. H.  
2014; 16 (5): 651
  - **Preprocedural Imaging in Patients with Transposition of the Great Arteries Facilitates Placement of Cardiac Resynchronization Therapy Leads** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Ruckdeschel, E., Quaiife, R., Lewkowicz, L., Kay, J., Sauer, W. H., Collins, K. K., Duy Thai Nguyen  
2014; 37 (5): 546–53
  - **Inhibition of Proto-Oncogene c-Src Tyrosine Kinase** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Mestroni, L., Duy Thai Nguyen  
2014; 63 (9): 935–37
  - **Vectorcardiographic predictors of ventricular arrhythmia inducibility in patients with tetralogy of Fallot.** *Journal of electrocardiology*  
Cortez, D. n., Ruckdeschel, E. n., McCanta, A. C., Collins, K. n., Sauer, W. n., Kay, J. n., Nguyen, D. n.  
2014; 48 (2): 141–44
  - **Predictors of Adverse Events in 24,890 Patients Undergoing Lead Extraction**  
Kao, D., Varosy, P., Nguyen, D. T., Tzou, W., Katz, D., Schuller, J., Sung, R., Steckman, D., Sauer, W. H., Aleong, R.  
LIPPINCOTT WILLIAMS & WILKINS.2013
  - **Temporal Trends in Mortality and Adverse Events in 24,890 Patients Undergoing Lead Extraction Over a Decade**  
Kao, D., Varosy, P., Nguyen, D. T., Tzou, W., Katz, D., Schuller, J., Sung, R., Steckman, D., Sauer, W. H., Aleong, R.  
LIPPINCOTT WILLIAMS & WILKINS.2013

- **Effect of catheter movement and contact during application of radiofrequency energy on ablation lesion characteristics** *JOURNAL OF INTERVENTIONAL CARDIAC ELECTROPHYSIOLOGY*  
Olson, M. D., Phreaner, N., Schuller, J. L., Nguyen, D. T., Katz, D. F., Aleong, R. G., Tzou, W. S., Sung, R., Varosy, P. D., Sauer, W. H.  
2013; 38 (2): 123–29
- **Durable Pulmonary Vein Isolation: The Holy Grail of Atrial Fibrillation Ablation.** *Journal of atrial fibrillation*  
Nguyen, D. T., Sauer, W. H.  
2013; 6 (3): 927
- **Wide Complex Tachycardia and Adenosine** *JAMA INTERNAL MEDICINE*  
Schuller, J. L., Varosy, P. D., Duy Thai Nguyen  
2013; 173 (17): 1644–46
- **Emergent Catheter Ablation of VT/VF Storm Can Be Safely Performed in Patients with Severe Heart Failure**  
Peters, L. A., Gonzalez, J. E., Aleong, R. G., Katz, D., Nguyen, D. T., Schuller, J. L., Sung, R. K., Varosy, P. D., Brieke, A., Sauer, W. H., Tzou, W. S.  
CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2013: S23
- **Endocardial Electrogram Characteristics of Epicardial Ventricular Arrhythmias** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Tzou, W. S., Nguyen, D. T., Aleong, R. G., Varosy, P. D., Katz, D. F., Heath, R. R., Schuller, J. L., Lowery, C. M., Lewkowicz, L., Sauer, W. H.  
2013; 24 (6): 649–54
- **Percutaneous transhepatic access for catheter ablation of cardiac arrhythmias** *EUROPACE*  
Duy Thai Nguyen, Gupta, R., Kay, J., Fagan, T., Lowery, C., Collins, K. K., Sauer, W. H.  
2013; 15 (4): 494–500
- **A Dire Reaction: Rash after Amiodarone Administration** *AMERICAN JOURNAL OF MEDICINE*  
Chen, A., Sauer, W., Duy Thai Nguyen  
2013; 126 (4): 301–3
- **Use of Stored Implanted Cardiac Defibrillator Electrograms in Catheter Ablation of Ventricular Fibrillation** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Lowery, C. M., Tzou, W. S., Aleong, R. G., Nguyen, D. T., Varosy, P. D., Katz, D. F., Heath, R. R., Schuller, J. L., Lewkowicz, L., Sauer, W. H.  
2013; 36 (1): 76–85
- **Tachycardia-Induced Tachycardia** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Heath, R., Sauer, W. H., Aleong, R., Duy Thai Nguyen  
2012; 23 (12): 1390–92
- **Implantable Cardioverter Defibrillator Therapy in Patients with Cardiac Sarcoidosis** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Schuller, J. L., Zipse, M., Crawford, T., Bogun, F., Beshai, J., Patel, A. R., Sweiss, N. J., Nguyen, D. T., Aleong, R. G., Varosy, P. D., Weinberger, H. D., Sauer, W. H.  
2012; 23 (9): 925–29
- **Utility of Cardiac Magnetic Resonance Imaging to Differentiate Cardiac Sarcoidosis from Arrhythmogenic Right Ventricular Cardiomyopathy** *AMERICAN JOURNAL OF CARDIOLOGY*  
Steckman, D. A., Schneider, P. M., Schuller, J. L., Aleong, R. G., Nguyen, D. T., Sinagra, G., Vitrella, G., Brun, F., Cova, M. A., Pagnan, L., Mestroni, L., Varosy, P. D., Sauer, et al  
2012; 110 (4): 575–79
- **Acquired premature ventricular ectopy after cardiac transplantation** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*  
Duy Thai Nguyen, Heath, R., Ambardekar, A., Sauer, W.  
2012; 31 (7): 787–88
- **The Irregular Tachycardia That Was Not Atrial Fibrillation** *ARCHIVES OF INTERNAL MEDICINE*  
Katz, D. F., Varosy, P. D., Nguyen, D. T., Schuller, J. L., Aleong, R. G., Heath, R. R., Sauer, W. H.  
2011; 171 (22): 1985–88
- **Seizure-induced asystole** *HEART*  
Steckman, D., Katz, D., Sauer, W., Nguyen, D.  
2011; 97 (17): 1457

- **Characteristics of Implantable Cardioverter-defibrillator Recipients for the Primary and Secondary Prevention of Sudden Cardiac Death in the Outcomes Among Veterans With Implantable Defibrillators (OVID) Registry**  
Katz, D. F., Aleong, R. G., Pointer, L., Pelligrini, C. N., Sauer, W. H., Heath, R. R., Schuller, J., Nguyen, D. T., Heidenreich, P. A., Massie, B. M., Varosy, P. D. CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2011: S52–S53
- **Unusual Fibrillation in the Emergency Department After Fall** *CIRCULATION*  
Zalkind, D., Aleong, R., Sauer, W., Duy Thai Nguyen  
2011; 123 (25): E641–E642
- **A Mobile Tubular Mass Visualized by Transesophageal Echocardiography After Successful Lead Extraction** *CIRCULATION*  
Heath, R. R., Schuller, J. L., Sauer, W. H., Varosy, P. D., Nguyen, D. T., Aleong, R. G.  
2011; 123 (19): E590–E591
- **Life-Threatening ST-Segment Elevation Without Coronary Artery Disease** *ARCHIVES OF INTERNAL MEDICINE*  
Heath, R. R., Varosy, P. D., Katz, D. F., Schuller, J. L., Aleong, R. G., Sauer, W. H., Nguyen, D. T.  
2011; 171 (9): 801–3
- **Odynophagia After Atrial Fibrillation Ablation** *CIRCULATION*  
Duy Thai Nguyen, Wang, Z., Vedantham, V., Badhwar, N.  
2011; 123 (8): E253–E254
- **Supraventricular tachycardia with alternating cycle lengths: What is the mechanism?** *HEART RHYTHM*  
Duy Thai Nguyen, Scheinman, M., Badhwar, N.  
2011; 8 (3): 478–79
- **Images in cardiovascular medicine. Odynophagia after atrial fibrillation ablation.** *Circulation*  
Nguyen, D. T., Wang, Z. J., Vedantham, V. n., Badhwar, N. n.  
2011; 123 (8): e253–4
- **Wenckebach During Supraventricular Tachycardia** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Nguyen, D., Scheinman, M., Olgin, J., Badhwar, N.  
2010; 3 (6): 671–73
- **Supraventricular Tachycardia With No Ventriculoatrial Conduction: What Is the Mechanism?** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Nguyen, D., Scheinman, M., Badhwar, N.  
2010; 21 (12): 1419–20
- **Pirfenidone mitigates left ventricular fibrosis and dysfunction after myocardial infarction and reduces arrhythmias** *HEART RHYTHM*  
Nguyen, D. T., Ding, C., Wilson, E., Marcus, G. M., Olgin, J. E.  
2010; 7 (10): 1438–45
- **Supraventricular Tachycardia in Pulmonary Hypertension.** *Cardiac electrophysiology clinics*  
Nguyen, D. T., Scheinman, M.  
2010; 2 (2): 317–19
- **High-Resolution Optical Mapping of Ventricular Tachycardia in Rats with Chronic Myocardial Infarction** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Ding, C., Gepstein, L., Duy Thai Nguyen, Wilson, E., Hulley, G., Beaser, A., Lee, R. J., Olgin, J.  
2010; 33 (6): 687–95
- **Supraventricular Tachycardia After Atrial Fibrillation Ablation.** *Cardiac electrophysiology clinics*  
Nguyen, D. T., Lee, R., Tseng, Z. H.  
2010; 2 (2): 313–16
- **Ventricular Tachycardia After Implantable Cardioverter-Defibrillator Placement.** *Cardiac electrophysiology clinics*  
Nguyen, D. T., Tseng, Z. H., Lee, B. K., Badhwar, N.  
2010; 2 (2): 277–80
- **Supraventricular Tachycardia and Atrioventricular Block.** *Cardiac electrophysiology clinics*

Nguyen, D. T., Badhwar, N.  
2010; 2 (2): 235–38

● **A Case of Atrial Arrhythmia After Lung Transplant.** *Cardiac electrophysiology clinics*

Nguyen, D. T., Marcus, G. M.  
2010; 2 (2): 295–98

● **Regulation of the Werner helicase through a direct interaction with a subunit of protein kinase A** *FEBS LETTERS*

Nguyen, D. T., Rovira, Finkel, T.  
2002; 521 (1-3): 170–74