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EDUCATION

B.S.	University of California, Riverside <i>summa cum laude</i> , Biological Sciences	2004 – 2007
M.D.	University of California, Los Angeles David Geffen School of Medicine	2007 – 2011
M.S.	University of California, Los Angeles STAR Program, Department of Medicine Clinical Research	2016 – 2018

PROFESSIONAL EXPERIENCE

Resident in Internal Medicine Stanford University, Palo Alto	2011 – 2014
Fellowship in Cardiovascular Medicine University of California, Los Angeles	2014 – 2018
Fellowship in Cardiac Electrophysiology University of California, Los Angeles	2018 – 2020
Clinical Instructor in Cardiac Electrophysiology University of California, Los Angeles Cardiac Arrhythmia Center	2020 – Present

LICENSURE AND CERTIFICATION

California Board of Medicine #A122050	2011
American Board of Internal Medicine – Internal Medicine	August 2014
American Board of Internal Medicine – Cardiology	October 2018

OTHER PROFESSIONAL ACTIVITIES

Journal Reviewer:

Heart Rhythm Journal
Journal of the American College of Cardiology
Journal of the American College of Cardiology, Clinical Electrophysiology
Scholar-in-Residence: April 2020 - Present
Journal of Cardiac Electrophysiology
Journal of Interventional Cardiac Electrophysiology
Case Reports in Medicine

National Organizations:

Phi Beta Kappa, Member
American Heart Association, Member
American College of Cardiology, Member
Heart Rhythm Society, Member

UCLA:

Committee for development and implementation of atrial fibrillation emergency department management pathway, Ronald Reagan UCLA Medical Center, Member 2016 – Present

TEACHING ACTIVITIES

Exercise Physiology Simulation Lab for MS1	October 2015
Introduction to Echocardiography for MS2	February 8 & 10, 2016
Introduction to Echocardiography for MS2	February 16, 2017
Cardiac Ultrasound training for MS3	May 23, 2017
Central Line Training for Internal Medicine Residents	June 21 & 22, 2017
Human Simulation Lab for MS1	December 5, 2017
Introduction to Echocardiography for MS2	February 13-15, 2018
Cardiac Ultrasound training for MS3	May 23, 2018
Central Line Training for Internal Medicine Residents	June 20, 2018
Bedside Ultrasound for Medicine Residents instructor, UCLA	2016 – 2018
ECG Curriculum for Medicine Residents, UCLA	August 2016 – present

HONORS AND SPECIAL AWARDS

Medical School:

Carl Fuglie Academic Excellence Award	June 2008
Ernst A. Noltmann Research Award	June 2008
Letter of Distinction in Pediatrics	2009
Letter of Distinction in Obstetrics and Gynecology	2009
Letter of Distinction in Family Medicine	2010

Residency:

Stanford University - Medical Student Teaching Award	2013
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Fellowship:

UCLA Division of Cardiology Outstanding Fellow Teaching Award	December 2016
UCLA Department of Medicine Research Day Award – First Place Trainee Poster Clinical Research	October 2017
AHA Resuscitation Science Symposium Young Investigator Award	November 2017
California ACC Excellence in Cardiology Fellowship Award	June 2018
UCLA Department of Medicine Research Day Award – Second Place Trainee Poster Clinical Research	October 2018

RESEARCH GRANTS AND FELLOWSHIPS RECEIVED

1. Ernst A. Noltmann Research Award (UCR Thomas Haider Program in Biomedical Sciences) 2008: The Relationship Between Degree of Facet Tropism and Amount of Dynamic Disc Bulge in Lumbar Spines of Patients Symptomatic for Low Back Pain. Amount: \$4000
2. O’Connell Scholarship for Research in Cardiac Electrophysiology (UC Los Angeles) 2013. Amount: \$10000
3. UC Los Angeles Specialty Training and Research Program. 2016 – 2018
4. Fabian Tibor Research Award in Cardiovascular Medicine (UC Los Angeles) 2016, 2017. Amount: \$4000

LECTURES AND PRESENTATIONS

1. UCR Upper Division Honors Program Research presentation. How Confucianism helped the spread of Buddhism in China. May 25, 2004.
2. UCLA Cardiology Fellowship Case Conference: Peripartum Cardiomyopathy. March 4, 2015.
3. UCLA Cardiology Fellowship Imaging Conference: Restrictive vs. Constrictive Physiology. March 12, 2015.
4. UCLA Cardiology Fellowship Case Conference: Post-infarction Ventricular Septal Defect. October 14, 2015.
5. UCLA Cardiology Fellowship Imaging Conference: Safety of cardiac implanted devices with magnetic resonance imaging. April 14, 2016.
6. UCLA Internal Medicine Residency Noon Conference: Safety of cardiac implanted devices with magnetic resonance imaging. June 17, 2016.
7. UCLA Internal Medicine Residency Noon Conference: Ventricular Tachycardia. August 12, 2016.
8. UCLA Cardiology Fellowship Catheterization Conference: Management of a Challenging Incessant Ventricular Tachycardia Case. August 17, 2017.
9. UCLA Internal Medicine Residency Interview Research Presentation: Prediction of In-Hospital Cardiac Arrests with Continuous ECG Monitoring Data using Automated Methods. December 7, 2017.

10. UCLA Cardiac Arrhythmia Center Research Presentation: The Puzzle of In-Hospital Cardiac Arrests: Putting the Pieces Together by ECG Analysis. May 24, 2018.
11. UCLA Division of Cardiology Grand Rounds: The Puzzle of In-Hospital Cardiac Arrests: Putting the Pieces Together by ECG Analysis. June 22, 2018.
12. UCLA Division of Cardiology Grand Rounds: Atrial Fibrillation Care Pathway in the Emergency Department. March 1, 2019.
13. UCLA Department of Medicine Grand Rounds: Developing and Implementing a Pathway for Atrial Fibrillation Management at UCLA. August 7, 2019.
14. UCLA Internal Medicine Residency Noon Conference. Atrial fibrillation Management. September 23, 2019.
15. UCLA CCU Noon Lecture. Ventricular tachycardia and ICD indications. July 13, 2020.

PRESENTATIONS AT NATIONAL MEETINGS

1. **Do DH**, Kim S, Hu X, Boyle NG. In-hospital Cardiopulmonary Arrest: QRS Duration as a Prognostic Marker of Survival to Discharge. *American College of Cardiology Scientific Sessions*, Moderate poster presentation. Chicago, IL. March 26, 2012.
2. **Do DH**, Hayase J, Kim S, Hu X, Boyle NG. ST Changes on Continuous Telemetry Monitoring prior to In-Hospital Cardiac Arrests. *American Heart Association Scientific Sessions 2012: Resuscitation Symposium*, Moderated poster presentation. Los Angeles, CA. November 4, 2012.
3. **Do DH**, Hayase J, Hu X, Boyle NG. Mechanisms of In-Hospital Bradysystolic Cardiac Arrests. *American College of Cardiology Annual Scientific Sessions*, Moderated poster presentation. San Francisco, CA. March 10, 2013.
4. **Do DH**, Al-Ahmad A et al. Prevalence of Atrial Fibrillation in Adult Congenital Heart Disease Patients. *Heart Rhythm Society Annual Scientific Meeting*, Oral presentation, Denver, CO. May 9, 2013.
5. **Do DH**. Can ECG monitoring identify three major types of in-hospital cardiac arrest? *International Society for Computerized Electrocardiology Annual Conference*, Oral presentation, San Jose, CA. April 15, 2015.
6. **Do DH**, Boyle NG et al. PR Interval Prolongation Preceding In-Hospital Cardiac Arrest: The overlooked Interval. *American College of Cardiology Annual Scientific Sessions*, Moderated poster Presentation. San Diego, CA. March 14, 2015.
7. **Do DH**, Yu R, Tung R et al. Limited Predictive Value of Noninducibility During Scar-Related VT Ablation in both Ischemic and Nonischemic Cardiomyopathy Patients. *American College of Cardiology Annual Scientific Sessions*, Moderated poster presentation. Chicago, IL. April 3, 2016.
8. **Do DH**, Kuo A, Hu X, Boyle NG et al. Predicting the Risk of In-Hospital Cardiac Arrest in Real Time by Identification of Changes on Continuous Electrocardiographic Telemetry Monitoring using Automated Algorithms. *AHA Resuscitation Science Symposium*, Moderated poster presentation, Los Angeles, CA. November 13, 2017.

PEER-REVIEWED RESEARCH PAPERS

1. Kong MH, **Do DH**, Miyazaki M, Wei F, Yoon S-H, Wang JC. Rabbit model for in vivo study of intervertebral disc degeneration and regeneration. *J Korean Neurosurg Soc*. 2008;44:327-333. PMID: 19119470. <https://dx.doi.org/10.3340/jkns.2008.44.5.327>.

2. Kong MH, He W, Tsai Y-D, Chen N-F, Keorochana G, **Do DH**, Wang JC. Relationship of facet tropism with degeneration and stability of functional spinal unit. *Yonsei Med J*. 2009;50:624-629. PMID: 19881964. <https://doi.org/10.3349/ymj.2009.50.5.624>
3. Hu JK, Morishita Y, Montgomery SR, Hymanson H, Taghavi CE, **Do DH**, Wang JC. Kinematic evaluation of association between disc bulge migration, lumbar segmental mobility, and disc degeneration in the lumbar spine using positional magnetic resonance imaging. *Global Spine Journal*. 2011;1:43-48. PMID: 24353937.
4. **Do DH**, Taghavi C, Fong W, Kong M, Morishita Y, Wang J. The relationship between degree of facet tropism and amount of dynamic disc bulge in lumbar spine of patients symptomatic for low back pain. *Eur Spine J*. 2011;20:71-78. PMID: 20734211. <https://doi.org/10.1007/s00586-010-1558-8>
5. Hu X, Sapo M, Nenov V, Barry T, Kim S, **Do DH**, Boyle N, Martin N. Predictive combinations of monitor alarms preceding in-hospital code blue events. *Journal of biomedical informatics*. 2012;45:913-921. PMID: 22465785. <https://doi.org/10.1016/j.jbi.2012.03.001>
6. Hu X, **Do DH**, Bai Y, Boyle NG. A case–control study of non-monitored ecg metrics preceding in-hospital bradysystolic cardiac arrest: Implication for predictive monitor alarms. *Journal of electrocardiology*. 2013;46:608-615. PMID: 24034301. <https://doi.org/10.1016/j.jelectrocard.2013.08.010>
7. Ding Q, Bai Y, Mortara D, **Do DH**, Boyle NG, Hu X. The predictive power of ecg metrics for bradysystolic cardiac arrest. *Journal of Electrocardiology*. 2014;47:907-908. PMID: 26502065. <http://dx.doi.org/10.1016%2Fj.jelectrocard.2014.08.019>
8. Ruwald AC, Kutyla, Ruwald MH, Solomon S, Daubert JP, Jons C, Brenyo A, McNitt S, **Do DH**, Tanabe K, Al-Ahmad A, Wang P, Moss AJ, Zareba W. The association between biventricular pacing and cardiac resynchronization therapy-defibrillator efficacy when compared with implantable cardioverter defibrillator on outcomes and reverse remodelling. *European Heart Journal*. 2014: ehu294. PMID: 25112662. <https://doi.org/10.1093/eurheartj/ehu294>
9. Bai Y, **Do DH**, Harris PRE, Schindler D, Boyle NG, Drew BJ, Hu X. Integrating monitor alarms with laboratory test results to enhance patient deterioration prediction. *Journal of Biomedical Informatics*. 2015;53:81-92. PMID: 25240252. <https://doi.org/10.1016/j.jbi.2014.09.006>
10. Ding Q, Bai Y, Tinoco A, Mortara D, **Do DH**, Boyle NG, Pelter MM, Hu X. Developing new predictive alarms based on ecg metrics for bradysystolic cardiac arrest. *Physiological measurement*. 2015;36:2405. PMID: 26502065.
11. **Do DH**, Hayase J, Tiecher RD, Bai Y, Hu X, Boyle NG. Ecg changes on continuous telemetry preceding in-hospital cardiac arrests. *Journal of electrocardiology*. 2015;48:1062-1068. PMID: 26362882. <https://doi.org/10.1016/j.jelectrocard.2015.08.001>
12. Rao HB, Yu R, Chitnis N, **Do DH**, Boyle NG, Shivkumar K, Bradfield JS. Ventricular tachycardia ablation in the presence of left ventricular thrombus: Safety and efficacy. *Journal of Cardiovascular Electrophysiology*. 2016; 27(4): 453-459. PMID: 26643285. <https://doi.org/10.1111/jce.12892>
13. Siontis KC, Kim HM, Stevenson WG, Fujii A, Bella PD, Vergara P, Shivkumar K, Tung R, **Do DH**, Daoud E, Okabe T, Zeppenfeld K, Riva Silva MD, Hindricks G, Arya A, Weber A, Kuck KH, Metzner A, Mathew S, Riedl J, Yokokawa M, Jongnarrangsin K, Latchamsetty R, Morady F, Bogun FM. Prognostic Impact of the Timing of Recurrence of Infarct-

Related Ventricular Tachycardia After Catheter Ablation. *Circ Arrhythmia and Electrophysiology*. 2016; 9. PMID: 27923805.

<https://doi.org/10.1161/circep.116.004432>

14. Do DH, Bradfield J, Ajjola OA, Vaseghi M, Le J, Rahman S, Mahajan A, Nogami A, Boyle NG, Shivkumar K. Thoracic Epidural Anesthesia can be Effective for the Short-Term Management of Ventricular Tachycardia Storm. *Journal of the American Heart Association*. 2017; 6(11). PMID: 29079570. <https://doi.org/10.1161/jaha.117.007080>
15. Bai Y, Do DH, Ding Q, Palacios JA, Shahriari Y, Pelter MM, Boyle NG, Fidler R, Hu X. Is the Sequence of SuperAlarm Triggers more Predictive than Sequence of the Currently Utilized Patient Monitor Alarms. *IEEE Transactions on Biomedical Engineering*. 2017; 64: 1023-32. PMID: 27390164. <https://doi.org/10.1109/TBME.2016.2586443>
16. Li A, Hayase J, Do DH, Buch E, Vaseghi M, Ajjola OA, Macias C, Krokhalava Y, Khakpour H, Boyle NG, Benharash P, Biniwale R, Shivkumar K, Bradfield JS. Hybrid Surgical versus Percutaneous Access Epicardial Ventricular Tachycardia Ablation. *Heart Rhythm*. 2018; 15(4):512-9. PMID: 29132931. <https://doi.org/10.1016/j.hrthm.2017.11.009>
17. Do DH, Eyvazian V, Bayoneta A, Hu P, Finn JP, Bradfield JS, Shivkumar K, Boyle NG. Cardiac Magnetic Resonance Imaging using Wideband Sequences in Patients with Nonconditional Cardiac Implanted Electronic Devices. *Heart Rhythm*. 2018 Feb;15(2):218-225. PMID: 29017930. <https://doi.org/10.1016/j.hrthm.2017.10.003>
18. Gadhoumi K, Do DH, Badilini F, Pelter MM, Hu X. Wavelet Leader Multifractal Analysis of Heart Rate Variability in Atrial Fibrillation. *J Electrocardiol*. 2018 Nov-Dec; 51(6S): S83-87. PMID: 30177367. <https://doi.org/10.1016/j.jelectrocard.2018.08.030>
19. Xiao R, King J, Villaroman A, Do DH, Boyle NG, Hu X. Predict In-Hospital Code Blue Events using Monitor Alarms through Deep Learning Approach. *Conf Proc IEEE Eng Med Biol Soc*. 2018. Jul; 2018: 3717-3720. PMID: 30441177. <https://doi.org/10.1109/EMBC.2018.8513269>
20. Do DH, Kuo A, Lee ES, Mortara D, Xiao H, Boyle NG. Usefulness of Trends in Continuous Electrocardiographic Monitor for Prediction of In-Hospital Cardiac Arrests. *American Journal of Cardiology*. 2019; 124(7): 1149-58. PMID: 31405547. <https://doi.org/10.1016/j.amjcard.2019.06.032> (corresponding author)
21. Bradfield JS, Hayase J, Liu K, Moriarty J, Kee ST, Do DH, Ajjola O, Vaseghi M, Gima J, Sorg J, Cote S, Pavez G, Buch E, Khakpour H, Krokhalava Y, Macias C, Fujimura O, Boyle NG, Shivkumar K. Renal denervation as adjunctive therapy to cardiac sympathetic denervation for ablation refractory ventricular tachycardia. *Heart Rhythm* 2020; 17(2): 220-227. PMID: 31539629. <https://doi.org/10.1016/j.hrthm.2019.09.016>
22. Do DH, Yang JS, Kuo A, Bradfield JS, Hu X, Shivkumar K, Boyle NG. Electrocardiographic right ventricular strain precedes hypoxic pulseless electrical activity cardiac arrests: looking beyond pulmonary embolism. *Resuscitation*. 2020; 151: 127-134. PMID: 32360319. [10.1016/j.resuscitation.2020.04.024](https://doi.org/10.1016/j.resuscitation.2020.04.024) (corresponding author)
23. Siontis KC, Kim MH, Vergara P, Peretto G, Do DH, Riva MD, Lam A, Quian P, Yokokawa M, Jongnarangsin K, Latchamsetty R, Jais P, Sacher F, Tedrow U, Shivkumar K, Zeppenfeld K, Della Bella P, Morady F, Stevenson W, Bogun F. Arrhythmia exacerbation after post-infarction ventricular tachycardia ablation: prevalence and prognostic significance. (Accepted *Europace*)
24. Hayase J, Dusi V, Do DH, Ajjola O, Vaseghi M, Buch E, Khakpour H, Fujimura O, Krokhalava Y, Macias C, Nagel R, Sorg J, Gima J, Pavez G, Boyle NG, Shivkumar K, Bradfield JS. Catheter ablation of recurrent ventricular tachycardia after cardiac

sympathetic denervation: prolonged VT cycle length and increased hemodynamic tolerance. *J Card Electrophys.* 2020. PMID: 32558054. Available Online: <https://doi.org/10.1111/jce.14624>

25. Xiao R, **Do DH**, Ding C, Meisel K, Lee R, Hu X. Generalizability of SuperAlarm via Cross-Institutional Performance Evaluation. (Accepted to *IEEE: Access*)

PEER-REVIEWED RESEARCH PAPERS SUBMITTED FOR REVIEW

1. Goovaerts G, Bousse M, **Do DH**, Lathauwer LD, Huffel SV, Hu X. Analysis of changes in ECG morphology prior to in-hospital cardiac arrest using weighted tensor decomposition. (under review)

REVIEW PAPERS

1. Al-Hadithi AB, **Do DH**, Boyle NG. Vein Management for Cardiac Device Implantation. *Card Electrophysiol Clin.* 2018 Dec; 10(4): 561-71. PMID: 30396572. <https://doi.org/10.1016/j.ccep.2018.05.003>
2. Tang PT, **Do DH**, Li A, Boyle NG. Team Management of the Ventricular Tachycardia Patient. *Arrhythm Electrophysiol Rev.* 2018. Dec; 7(4): 238-246. PMID: 30588311. <https://doi.org/10.15420/aer.2018.37.2>
3. Hayase J, **Do DH**, Boyle NG. Defibrillation Threshold Testing: Current Status. *Arrhythm Electrophysiol Rev.* 2018 Dec; 7(4): 288-293. PMID: 30588318. <https://doi.org/10.15420/aer.2018.54.2>
4. Photoplethysmography-Based Atrial Fibrillation Detection: a Review. Pereira T, Tran N, Gadhoumi K, Pelter MM, **Do DH**, Lee RJ, Colorado R, Meisel K, Hu X. *NPJ Digital Medicine.* 2020 (3):3. PMID: 31934647. <https://doi: 10.1038/s41746-019-0207-9>

EDITORIALS

1. Boyle NG, **Do DH**. Hemodialysis Patients: High Risk for Sudden Death, but What is the Cause? *JACC: Clinical Electrophysiology.* <https://doi.org/10.1016/j.jacep.2017.09.005>
2. **Do DH**, Shivkumar K. Programmable Hypertension Control: Another Indication for Pacemaker Implantation. *J Am Heart Assoc.* 2017 Dec 23;6(12). <http://doi.org/10.1161/JAHA.117.008053>.
3. Sobowale CO, **Do DH**, Ajjola O. Atrial Fibrillation: The Road to Sinus Starts at the Ear. *Trends in Cardiovascular Medicine.* 2019. <https://doi.org/10.1016/j.tcm.2019.11.005>

BOOK CHAPTERS

1. **Do DH**, Boyle NG. Basic Intervals and Intracardiac ECGs. *Handbook of Cardiac Electrophysiology*, 2nd ed, edited by Andrea Natale, Oussama M Wazni, Kalyanam Shivkumar, Francis E Marchlinski. CRC Press, 2020. pp. 197-201.
2. **Do DH**, Bradfield JS. American College of Cardiology Electrophysiology Self-Assessment Program (EP SAP): Diagnostic Approach to Narrow Complex Tachycardia. Published July 2019 (updated annually).

3. **Do DH**, Bradfield JS. Catheter Ablation of Ischemic and Non-Ischemic Cardiomyopathy Ventricular Tachycardia. *Complex Cardiac Electrophysiology Procedures and Arrhythmia Management -A Practical Procedural Guide*. Pending publication.
4. **Do DH**, Boyle NG, Glover B, Brugada P. AV-Nodal Reentry Tachycardia. *Clinical Handbook of Cardiac Electrophysiology, 2nd ed*, edited by Benedict Glover, Pedro Brugada. Pending publication.

CASE REPORTS

1. Tomova GS, **Do DH**, Krokholeva Y, Honda H, Buch E, Boyle NG. 'Runaway' Vagal Nerve Stimulator: a Case of Cyclic Asystole. *HeartRhythm Case Reports* 2.5 (2016): 388-390. PMID: 28491717. <https://doi.org/10.1016/j.hrccr.2016.05.001>

ABSTRACTS

1. **Do DH**, Kim S, Hu X, Boyle NG. In-hospital Cardiopulmonary Arrest: QRS Duration as a Prognostic Marker of Survival to Discharge. American College of Cardiology Annual Scientific Sessions. Poster Presentation. March 26, 2012.
2. Hayase J, **Do DH**, Kim S, Hu X, Boyle NG. ECG Changes and Poor Outcomes for In-Hospital Cardiopulmonary Arrest in Patients with Multiple Organ Dysfunction. American Heart Association Scientific Sessions 2012: Resuscitation Symposium. Poster Presentation. November 3, 2012.
3. **Do DH**, Hayase J, Kim S, Hu X, Boyle NG. ST Changes on Continuous Telemetry Monitoring prior to In-Hospital Cardiac Arrests. American Heart Association Scientific Sessions 2012: Resuscitation Symposium. Poster Presentation. November 4, 2012.
4. **Do DH**, Hayase J, Hu X, Boyle NG. Mechanisms of In-Hospital Bradyasystolic Cardiac Arrests. American College of Cardiology Annual Scientific Sessions. Poster Presentation. March 10, 2013.
5. **Do DH**, Al-Ahmad A et al. Prevalence of Atrial Fibrillation in Adult Congenital Heart Disease Patients. Heart Rhythm Society Scientific Sessions. Oral Presentation. May 9, 2013.
6. Tiecher RD, **Do DH**, Boyle NG et al. Electrocardiographic Predictors of In-Hospital Cardiac Arrest. American College of Cardiology Annual Scientific Sessions. Poster Presentation. March 14, 2015.
7. **Do DH**, Boyle NG et al. PR Interval Prolongation Preceding In-Hospital Cardiac Arrest: The overlooked Interval. American College of Cardiology Annual Scientific Sessions. Poster Presentation. March 14, 2015.
8. Malek E, **Do DH** et al. The Relationship between Atrial Flutter and Atrial Fibrillation in Adults with Congenital Heart Disease. American College of Cardiology Annual Scientific Sessions. Poster Presentation. March 14, 2015.
9. Kuo A, **Do DH** et al. Automated Detection of Changes in Electrocardiographic Metrics on Continuous Telemetry Preceding In-Hospital Cardiac Arrests. American College of Cardiology Annual Scientific Sessions. Poster presentation. April 2016.
10. **Do DH**, Yu R, Tung R et al. Limited Predictive Value of Noninducibility During Scar-Related VT Ablation in both Ischemic and Nonischemic Cardiomyopathy Patients. American College of Cardiology Annual Scientific Sessions. Poster presentation. April 3, 2016.

11. Kuo A, **Do DH**, Hu X, Boyle NG et al. Unique Changes in Electrocardiographic Metrics on Continuous Telemetry Prior to In-Hospital Cardiac Arrests Identified With Automated Algorithms. UCLA Cardiovascular Theme Symposium. Poster presentation. September 2, 2016. Winner of Best Abstract Award.
12. Kuo A, **Do DH**, Hu X, Boyle NG et al. Unique Changes in Electrocardiographic Metrics on Continuous Telemetry Prior to In-Hospital Cardiac Arrests Identified With Automated Algorithms. AHA Resuscitation Science Symposium. Poster presentation. November 12, 2016. Winner of Young Investigator Award.
13. **Do DH**, Kuo A, Hu X, Boyle NG et al. Predicting the Risk of In-Hospital Cardiac Arrest in Real Time by Identification of Changes on Continuous Electrocardiographic Telemetry Monitoring using Automated Algorithms. AHA Resuscitation Science Symposium. Poster presentation. November 13, 2017. Winner of Young investigator Award and UCLA Department of Medicine Research Award.
14. Wei M, **Do DH** et al. Optimal Disposition for Atrial Fibrillation Patients Presenting to the Emergency Department. ACC Scientific Sessions 2018. April 2018.
15. Neuberger S, **Do DH**, Boyle NG. Outcomes after Device Implantation in Orthotopic Heart Transplant Patients: Risk of Death or Re-Transplant is Higher following Pacemaker Implantation for AV block but not Sinoatrial Dysfunction. HRS Scientific Sessions 2018. May 2018.
16. Yang J, **Do DH**, Hu X, Boyle NG. Electrocardiographic Changes Preceding In-Hospital Cardiac Arrests from Pulseless Electrical Activity / Asystole Provide Insights into Underlying Cause and Pathophysiology. AHA Resuscitation Science Symposium 2018. November 11, 2018.
17. Liu J, **Do DH** et al. Renal Sympathetic Denervation as an Adjunctive Therapy to Radiofrequency Ablation and Cardiac Sympathetic Denervation for Refractory Ventricular Tachycardia. AHA Scientific Sessions 2018. November 12, 2018.
18. Yang J, **Do DH**, Hu X, Boyle NG. Electrocardiographic Right Ventricular Strain Pattern Preceding In-Hospital Cardiac Arrest due to Pulseless Electrical Activity/Asystole: Pulmonary Embolism is Not the Only Cause. ACC Scientific Sessions 2019. March 16, 2019.
19. Cuk N, Leuchter M, **Do DH**, Boyle NG, Bradfield JS. Revascularization for Monomorphic Ventricular Tachycardia is Frequently Performed but does not Prevent Recurrence of Death. ACC Scientific Sessions 2019. March 15, 2019.
20. Wei M, Thomas M, **Do DH**, Boyle NG. Ventricular Arrhythmias in Mitral valve Prolapse. ACC Scientific Sessions 2019. March 15, 2019.

OTHER MEDIA

1. 08/01/2016: **Do DH** and Boyle NG. MRI in patients with Implanted Devices: Current Controversies. American College of Cardiology (ACC) on line website Review Article. http://www.acc.org/latest-in-cardiology/articles/2016/08/01/07/15/mri-in-patients-with-implanted-devices?w_nav=LC
2. 5/13/2019: **Do DH**. An algorithm strategy for precise patient monitoring in a connected healthcare enterprise. NPJ Digital Medicine: Behind the Paper. <https://go.nature.com/2W4Lig4>

PATENT APPLICATIONS

1. Risk Prediction of In-Hospital Cardiac Arrest Using Continuous Electrocardiographic Telemetry Monitoring Data. PCT/US2019/036850. Patent pending. Submitted 6/12/2019.

RESEARCH MENTEES

Name	Present Position	Dates
Alan Kuo, MD	Cardiologist (Queen's Hospital, HI)	8/2015 – 6/2017
Vaughn Eyvazian, MD	CV Fellow (UCLA)	7/2016 – 4/2017
Natasha Cuk, MD	CV Fellow (CSMC)	10/2016 – 6/2019
Margaret Wei, MD	Hospitalist (UCLA)	10/2016 – 4/2019
Samuel Neuberger, BS	Medical Student (Creighton)	12/2016 – 6/2019
Jason Yang, BS	Medical Student (UCLA)	12/2017 – Present
Micheal Thomas, BS	Medical Student (UCLA)	6/2018 – Present
Scott Meyer, BS	Medical Student (UCLA)	6/2019 – Present
John Sharp, MD	Resident (UCLA)	2/2019 – Present
Katherine Bailey, MD	Resident (UCLA)	2/2020 – Present

PERSONAL INTERESTS

Landscape photography, Hiking