

# Texas Cardiac Arrhythmia Institute

## *Books, Papers, Publications*

### **2009**

1. Hussein AA, Martin DO, Saliba W, **Patel D**, Karim S, Batal O, Banna M, Williams-Andrews M, Sherman M, Kanj M, Bhargava M, Dresing T, Callahan T, Tchou P, **Di Biase L**, Beheiry S, Lindsay B, **Natale A**, Wazni O. ***Radiofrequency ablation of atrial fibrillation under therapeutic international normalized ration: a safe and efficacious periprocedural anticoagulation strategy.*** *Heart Rhythm.* 2009 Oct;6(10):1425-9. Epub 2009 Jul 10. PMID 19968920.
2. **Di Biase L**, Horton R, Wang Y, **Natale A.** ***Follow-up imaging of a left atrial appendage closure device.*** *Heart Rhythm.* 2009 Dec;6(12):1837-8. Epub 2009 May 3. PMID: 19959138.
3. **Patel D**, **Bailey SM**, Furlan AJ, Ching M, Zachaib J, **Di Biase L**, **Mohanty P**, **Burkhardt JD**, **Sanchez JE**, **Zagrodzky JD**, **Gallinghouse GJ**, Schweikert R, Saliba W, **Natale A.** ***Long-term functional and neurocognitive recovery in patients who had an acute cerebrovascular event secondary to catheter ablation for atrial fibrillation.*** *J Cardiovasc Electrophysiol.* 2010 Apr;21(4):412-7. Epub 2009 Nov 17. PMID 19925610.
4. **Patel D**, Shaheen M, Venkatraman P, Armaganijan L, **Sanchez JE**, **Horton RP**, **Di Biase L**, **Mohanty P**, **Canby R**, **Bailey SM**, **Burkhardt JD**, **Gallinghouse GJ**, **Zagrodzky JD**, Kozeluhova M, **Natale A.** ***Omega-3 polyunsaturated Fatty Acid supplementation reduced atrial fibrillation recurrence after pulmonary vein antrum isolation.*** *Indian Pacing Electrophysiol J.* 2009 Nov 1;9(6):292-8. PMID: 19898653.
5. Verma A, Wulffhart Z, Lakkireddy D, Khaykin Y, Kaplan A, Sarak B, Biria M, Pillarisetti J, Bhat P, Di Biase L, Constantini O, Quan K, **Natale A.** ***Incidence of left ventricular function improvement after primary prevention ICD implantation for non-ischaemic dilated cardiomyopathy: a multicentre experience.*** *Heart.* 2010 Apr;96(7):510-5. Epub 2009 Nov 1. PMID:19884110.

6. Khaykin Y, Skanes A, Champagne J, Themistoclakis S, Gula L, Rossillo A, Bonso A, Raviele A, Morillo CA, Verma A, Wulffhart Z, Martin DO, **Natale A**. ***A randomized controlled trial of the efficacy and safety of electroanatomic circumferential pulmonary vein ablation supplemented by ablation of complex fractionated atrial electrograms versus potential-guided pulmonary vein antrum isolation guided by intracardiac ultrasound.*** *Circ Arrhythm Electrophysiol.* 2009 Oct;2(5):481-7. PMID: 19843915.
7. **Burkhardt JD, Natale A**. ***New technologies in atrial fibrillation ablation.*** *Circulation.* 2009 Oct 13;120(15):1533-41. PMID: 19822816.
8. **Natale A**, Taylor S, LaBarbera J, Bensimon L, McDowell S, Mumma SL, Backus D, Zanca JM, Gassaway J. ***SCIREhab Project series: the physical therapy taxonomy.*** *J Spinal Cord Med.* 2009;32(3):270-82. PMID 19810629.**Di Biase L**, Elayi CS, Fahmy TS, Martin DO, Ching CK, Barrett C, Bai R, **Patel D**, Khaykin Y, Hongo R, Hao S, Beheiry S, Pelargonio G, Dello Russo A, Casella M, Santarelli P, Potenza D, Fanelli R, Massaro R, Wang P, Ah-Ahmad A, Arruda M, Themistoclakis S, Bonso A, Rossillo A, Raviele A, Schweikert RA, **Burkhardt JD, Natale A**. ***Atrial fibrillation ablation strategies for paroxysmal patients: randomized comparison between different techniques.*** *Circ Arrhythm Electrophysiol.* 2009 Apr;2(2):113-9. Epub 2009 Feb 18. PMID: 19808455.
9. **Di Biase L**, Saenz LC, **Burkhardt JD**, Vacca M, Elayi CS, Barrett CD, **Horton R**, Bai R, Siu A, Fahmy TS, **Patel D**, Armaganijan L, Wu CT, Kai S, Ching CK, Phillips K, Schweikert RA, Cummings JE, Arruda M, Saliba WI, Dodig M, **Natale A**. ***Esophageal capsule endoscopy after radiofrequency catheter ablation for atrial fibrillation: documented higher risk of luminal esophageal damage with general anesthesia as compared with conscious sedation.*** *Circ Arrhythm Electrophysiol.* 2009 Apr;2(2):108-12. Epub 2009 Feb 13. PMID: 19808454.
10. Tsai VW, Cooper J, Garan H, **Natale A**, Ptaszek LM, Ellinor PT, Hickey K, Downey R, Zei P, Hsia H, Wang P, Hunt S, Haddad F, Al-Ahmad A. ***The efficacy of implantable cardioverter-defibrillators in heart transplant recipients: results from a multicenter registry.*** *Circ Heart Fail.* 2009 May;2(3):197-

201. Epub 2009 Apr 30. PMID: 19808340.

11. Sonne K, **Patel D, Mohanty P**, Armaganijan L, Riedlbauchova L, El-Ali M, **Di Biase L**, Venkatraman P, Shaheen M, Kozeluhova M, Schweikert R, **Burkhardt JD, Canby R**, Wazni O, Saliba W, **Natale A. Pulmonary vein antrum isolation, atrioventricular junction ablation, and antiarrhythmic drugs combined with direct current cardioversion: survival rates at 7 years follow-up. J Interv Card Electrophysiol.** 2009 Nov;26(2):121-6.PMID: 1978997.
12. Casella M, Perna F, Dello Russo A, Pelargonio G, Bartoletti S, Ricco A, Sanna T, Pieroni M, Forleo G, Pappalardo A, **Di Biase L**, Natale L, Bellocci F, Zecchi P, **Natale A**, Tondo C. **Right ventricular substrate mapping using the Ensite Navx System: Accuracy of high-density voltage map obtained by automatic point acquisition during geometry reconstruction. Heart Rhythm.** 2009 Nov;6(11):1598-605. Epub 2009 Jul 22.PMID: 19786371.
13. Corrado A, Bonso A, Madalosso M, Rossillo A, Themistoclakis S, **Di Biase L, Natale A**, Raviele A. **Impact of systematic isolation of superior vena cava in addition to pulmonary vein antrum isolation on the outcome of paroxysmal, persistent, and permanent atrial fibrillation ablation: results from a randomized study. J Interv Card Electrophysiol.** 2010 Jan;21(1):1-5. Epub 2009 Sep 1.PMID: 19732237
14. Bhargava M, **Di Biase L, Mohanty P**, Prasad S, Martin DO, Williams-Andrews M, Wazni OM, **Burkhardt JD**, Cummings JE, Khaykin Y, Verma A, Hao S, Beheiry S, Hongo R, Rossillo A, Raviele A, Bonso A, Themistoclakis S, Stewart K, Saliba WI, Schweikert RA, **Natale A. Impact of type of atrial fibrillation and repeat catheter ablation on long-term freedom from atrial fibrillation: results from a multicenter study. Heart Rhythm.** 2009 Oct;6(10):1403-12. Epub 2009 Jun 9.PMID: 19716348.
15. Sandhu RK, **Di Biase L**, Lewis WR, **Burkhardt JD**, Diaz A, Quan KJ, **Natale A. Rational patient selection for catheter ablation of atrial fibrillation. Curr Cardiol Rep.** 2009 Sep;11(5):327-34. Review.PMID: 19709492

16. **Di Biase L**, Schweikert RA, Saliba WI, **Horton R**, Hongo R, Beheiry S, **Burkhardt JD**, **Natale A**. *Left atrial appendage tip: an unusual site of successful ablation after failed endocardial and epicardial mapping and ablation.* **J Cardiovasc Electrophysiol.** 2010 Feb;21(2):203-6. Epub 2009 Jul 28.PMID: 19656253.
17. **Di Biase L**, Wang Y, **Horton R**, **Gallinghouse GJ**, **Mohanty P**, **Sanchez J**, **Patel D**, **Dare M**, **Canby R**, **Price LD**, **Zagrodzky JD**, **Bailey S**, **Burkhardt JD**, **Natale A**. *Ablation of atrial fibrillation utilizing robotic catheter navigation in comparison to manual navigation and ablation: single-center experience.* **J Cardiovasc Electrophysiol.** 2009 Dec;20(12):1328-35. Epub .PMID: 19656244.
18. **Di Biase L**, **Burkhardt JD**, Lakkireddy D, Pillarisetti J, Baryun EN, Biria M, **Horton R**, **Sanchez J**, **Gallinghouse GJ**, **Bailey S**, Beheiry S, Hongo R, Hao S, Tomassoni G, **Natale A**. *Mapping and ablation of ventricular arrhythmias with magnetic navigation: comparison between 4- and 8-mm catheter tips.* **J Am Coll Cardiol. J Interv Card Electrophysiol.** 2009 Nov;26(2):133-7. Epub 2009 Jul 29.PMID: 19639398.
19. Pelargonio G, Casella M, Dello Russo A, **Natale A**. *Entrapped air and normal saline in the pericardium after epicardial ablation.* **Heart Rhythm.** 2009 Oct;6(10):1536-7. Epub 2008 Dec 10. PMID: 19628437
20. **Patel D**, **Natale A**, **Di Biase L**, **Burkhardt JD**, Wang Y, **Sanchez JE**, **Horton RP**, Khan M. *Catheter ablation for atrial fibrillation: a promising therapy for congestive heart failure.* **Expert Rev Cardiovasc Ther.** 2009 Jul;7(7):779-87. Review.PMID: 19589114
21. Arruda MS, Armaganijan L, **Di Biase L**, Rashidi R, **Natale A**. *Feasibility and safety of using an esophageal protective system to eliminate esophageal thermal injury: implications on atrial-esophageal fistula following AF ablation.* **Europace. J Cardiovasc Electrophysiol.** 2009 Nov;20(11):1272-8. Epub 2009 Jun 30.PMID: 19572955.
22. Wazni OM, Barrett C, Martin DO, Shaheen M, Tarakji K, Baranowski B, Hussein A, Callahan T, Dresing T, Bhargava M,

- Kanj M, Tchou P, **Natale A**, Saliba W. ***Experience with the Hansen robotic system for atrial fibrillation ablation-lessons learned and techniques modified: Hansen in the real world.*** *J Cardiovasc Electrophysiol.* 2009 Nov;20(11):1193-6. Epub 2009 Jun 30.PMID: 19572952.
23. **Di Biase L, Burkhardt JD**, Pelargonio G, Dello Russo A, Casella M, Santarelli P, **Horton R, Sanchez J, Gallinghouse JG**, Al-Ahmad A, Wang P, Cummings JE, Schweikert RA, **Natale A.** ***Prevention of phrenic nerve injury during epicardial ablation: comparison of methods for separating the phrenic nerve from the epicardial surface.*** *Heart Rhythm.* 2009 Jul;6(7):957-61. Epub 2009 Mar 19.PMID: 19560084.
24. Reddy VY, Neuzil P, Themistoclakis S, Danik SB, Bonso A, Rossillo A, Raviele A, Schweikert R, Ernst S, Kuck KH, **Natale A.** ***Visually-guided balloon catheter ablation of atrial fibrillation: experimental feasibility and first-in-human multicenter clinical outcome.*** *Circulation.* 2009 Jul 7;120(1):12-20. Epub 2009 Jun 22.PMID: 19546385.
25. Fleischmann KE, Orav EJ, Lamas GA, Mangione CM, Schron EB, Lee KL, Goldman L; MOST investigators. ***Atrial fibrillation and quality of life after pacemaker implantation for sick sinus syndrome: data from the Mode Selection Trial (MOST).*** *Am Heart J.* 2009 Jul;158(1):78-83.e2.PMID: 19540395.
26. Cappato R, Calkins H, Chen SA, Davies W, Iesaka Y, Kalman J, Kim YH, Klein G, **Natale A**, Packer D, Skanes A. ***Prevalence and causes of fatal outcome in catheter ablation of atrial fibrillation.*** *J Am Coll Cardiol.* 2009 May 12;53(19):1798-803. PMID: 19422987.
27. **Patel D, Burkhardt JD, Sanchez JE, Di Biase L, Horton RP, Natale A.** ***Chronicling the evolution of catheter ablation for atrial fibrillation and ventricular tachycardia.*** *J Invasive Cardiol.* 2009 May;21(5):239-43. Review. No abstract available. PMID: 19411727.
28. **Di Biase L**, Saliba WI, **Natale A.** ***Successful ablation of epicardial arrhythmias with cryoenergy after failed attempts with radiofrequency energy.*** *Heart Rhythm.* 2009 Jan;6(1):109-12. Epub 2008 Sep 30. PMID: 19121810.

29. Callahan TD 4th, **Di Biase L, Horton R, Sanchez J, Gallinghouse JG, Natale A.** *Catheter ablation of atrial fibrillation.* **Cardiol Clin.** 2009 Feb;27(1):163-78, x. Review.PMID: 19111772.
30. Thakur RK, **Natale A.** *Atrial Fibrillation. Preface.* **Cardiol Clin.** 2009 Feb;27(1):xv. PMID: 19111757.
31. Barrett CD, **Di Biase L, Natale A.** *How to identify and treat patient with pulmonary vein stenosis post atrial fibrillation ablation.* **Curr Opin Cardiol.** 2009 Jan;24(1):42-9. Review. PMID: 19102037.
32. **Di Biase L, Natale A,** Barrett C, Tan C, Elayi CS, Ching CK, Wang P, Al-Ahmad A, Arruda M, **Burkhardt JD,** Wisnoskey BJ, Chowdhury P, De Marco S, Armaganijan L, Litwak KN, Schweikert RA, Cummings JE. *Relationship between catheter forces, lesion characteristics, "popping," and char formation: experience with robotic navigation system.* **J Cardiovasc Electrophysiol.** 2009 Apr;20(4):436-40. Epub 2008 Nov 11.PMID: 19017335.
33. Lakkireddy D, Nadzam G, Verma A, Prasad S, Ryschon K, **Di Biase L, Khan M, Burkhardt JD, Schweikert R, Natale A.** *Impact of a comprehensive safety program on radiation exposure during catheter ablation of atrial fibrillation: a prospective study.* **J Interv Card Electrophysiol.** 2009 Mar;24(2):105-12. Epub 2008 Nov 6.PMID: 18987964.