

Book Chapters

- 2016 **Implantable Cardiac Devices in the Dentist Office: Potential Liabilities and Recommendations.** Waespe K, Miller C, Darrat Y, Morales G, Elayi CS Springer (in press 2016)
- 2012 **Cardiac Mapping, Fourth Edition. 2013 Blackwell Publishing Ltd Chapter 31: Mapping of Persistent Atrial Fibrillation: How many sites, How many Lines? (Pages 358-366)**
Claude S. Elayi, Luigi Di Biase, *Gustavo Morales*, Jenks Thompson and Andrea Natale.

Peer review Publications

- 2017 **Use of adenosine to shorten the post ablation waiting period for cavotricuspid isthmus-dependent atrial flutter.** *Morales G*, Darrat YH, Lellouche N, Kim SM, Butt M, Bidwell K, Lippert W, Ogunbayo G, Hamon D, Di Biase L, Natale A, Parrott K, Elayi CS.
- 2017 **Acute Effects of Implantable Cardioverter-Defibrillator Shocks on Biomarkers of Myocardial Injury, Apoptosis, Heart Failure, and Systemic Inflammation.** Brewster J, Sexton T, Dhaliwal G, Charnigo R, *Morales G*, Parrott K, Darrat Y, Gurley J, Smyth S, Elayi CS. *Pacing Clin Electrophysiol.* 2017 Apr;40(4):344-352
- 2017 **Regional Lack of Consistency in the Management of Atrial Fibrillation (from the RECORD-AF Trial).** Darrat YH, Shah J, Elayi CS, *Morales GX*, Naditch-Brûlé L, Brette S, Taniou C, Kowey PR, Schwartz PJ.
- 2016 **Durable Pulmonary Vein Isolation: The Holy Grail of Atrial Fibrillation Ablation.** Darrat Y, *Morales G*, Shah J, Di Biase L, Natale A, Elayi CS. *Jafib* 2014 May; 6 (6):65-69.
- 2016 **Snaring of the Right Ventricular Lead during Cavotricuspid Isthmus Ablation.** Darrat Y, Morales G, Waespe K, Gurley J, Elayi CS. **Clin Case Rep. 2016 (in press)**
- 2016 **Digoxin and short term mortality after acute STEMI: Results from the MAGIC Trial.** Metawee M, Charnigo R, Morales G, Darrat Y, Sorrell V, Di Biase L, Natale A, Delisle B, Elayi CS; and; Magic investigators. **Int J Cardiol.** 2016 Sep 1;218:176-80
- 2016 **Predictors, Morbidity and Costs Associated with Pneumothorax during Electronic Cardiac Device Implantation.** Kotter J, Lolay G, Charnigo R,

- Leung S, McKibbin C, Sousa M, Jimenez L, Gurley J, DI Biase L, Natale A, Smyth S, Darrat Y, Morales G, Elayi CS. Pacing Clin Electrophysiol. 2016 May 27.
- 2016** **Radiofrequency and Cryo-ablation Effect on Transvenous Pacing and Defibrillatory Lead Integrity: An in vitro study.** Darrat YH, Agarwal A, Morales GX, Thompson J, Abdel-Latif A, Waespe K, Biase LD, Natale A, Patwardan A, Elayi CS J Cardiovasc Electrophysiol. 2016 May 3.
- 2015** **Systematic Review in Atrial Fibrillation, Congestive Heart Failure and Post Myocardial Infarction.** Virgadamo S, Charnigo R, Darrat Y, Morales G, Elayi CS. Digoxin: A World J Cardiol. 2015 World J Cardiol. 2015 Nov 26;7(11):808-16.
- 2015** **What's New in REAsynchronicization Therapy in Heart Failure?** Del Carpio Munoz F, Morales GX. **Revista de la Federacion Argentina de Cardiologia**, Vol 44 October-December 2015
- 2015** **Interference between dental electrical devices and pacemakers or defibrillators: results from a prospective clinical study.** Elayi CS, Lusher S, Meeks Nyquist JL, Darrat Y, Morales GX, Miller CS. **J Am Dent Assoc.** 2015 Feb;146(2):121-8. doi: 10.1016/j.adaj.2014.11.016.
- 2015** **Left Atrial Access Via An Unroofed Coronary Sinus To Eliminate Fast/Slow Atypical AVNRT.** Morales G, Darrat Y, Leung S, Elayi CS. **Heart rhythm case report** 2015 Vol.1, Issue 6, p457-460
- 2015** **Digoxin: A Systematic Review in Atrial Fibrillation, Congestive Heart Failure and Post Myocardial Infarction.** Virgadamo S, Charnigo R, Darrat Y, Morales G, Elayi CS. **World J Cardiol.** 2015,7(11):808-816.
- 2015** **A Practical ECG Criterion to Unmask Left Accessory AV connections in Patients with Subtle Preexcitation.** Thompson JJ, Shah J, Charnigo R, Tackett A, Darrat YH, Bailey A, Delisle B, Kakavand B, DI Biase L, Natale A, Morales G, Elayi CS. **J Cardiovasc Electrophysiol.** 2015 May 20. doi: 10.1111/jce.12711. [Epub ahead of print]
- 2015** **Interference between dental electrical devices and pacemakers or defibrillators: results from a prospective clinical study.** Elayi CS, Lusher S, Meeks Nyquist JL, Darrat Y, Morales GX, Miller CS. **J Am Dent Assoc.** 2015 Feb;146(2):121-8
- 2014** **Durable Pulmonary Vein Isolation: The Holy Grail of Atrial Fibrillation:** Darrat Y, Morales G, Shah J, Di Biase L, Natale A, Elayi CS. **Journal of Atrial Fibrillation.** 2014 April-May;6:65-68.
- 2014** **QRS duration predicts death and hospitalizations among patients with**

- atrial fibrillation irrespective of heart failure: evidence from the AFFIRM study.** Whitbeck MG, Charnigo RJ, Shah J, Morales G, Leung SW, Fornwalt B, Bailey AL, Ziada K, Sorrell VL, Zegarra MM, Thompson J, Hosn NA, Campbell CL, Gurley J, Anaya P, Booth DC, Biase LD, Natale A, Smyth S, Moliterno DJ, Elayi CS; the AFFIRM investigators. *Europace* 2014 Jun;16(6):803-11
- 2013 Adenosine Testing in Atrial Flutter Ablation: Unmasking of Dormant Conduction Across the Cavotricuspid Isthmus and Risk of Recurrence.** *Morales GX*, Macle L, Khairy P, Charnigo R, Davidson E, Thal S, Ching C, Lellouche N, Whitbeck M, Delisle B, Thompson J, Di Biase L, Natale A, Nattel S, Elayi CS. *J Cardiovasc Electrophysiol.* 2013. 24(9):995-1001.
- 2013 Increased mortality among patients taking digoxin: Analysis from the AFFIRM study.** Whitbeck MG, Charnigo RJ, Khairy P, Ziada K, Bailey AL, Zegarra MM, Shah J, *Morales G*, Macaulay T, Sorrell VL, Campbell CL, Gurley J, Anaya P, Nasr H, Bai R, Di Biase L, Booth DC, Jondeau G, Natale A, Roy D, Smyth S, Moliterno DJ, Elayi SC. *Eur Heart J.* 2013 May; 34(20):1481-8.
- 2013 Balloon-Facilitated Delivery of a Left Ventricular Pacing Lead.** Elayi SC, Whitbeck MG, *Morales GX*, Gurley JC. *Pacing and Clin Electrophysiol.* 2013 Feb;36(2).
- 2011 Carotid Sinus Hypersensitivity-Induced Syncope: A Phenomenon Unmasked During Carotid Sonography.** Christopher Allen, MD; Bruce T. Kuo, MD; *Gustavo X. Morales*, MD; Claude S. Elayi, MD. *The Journal for Vascular Ultrasound* 35(3):1–2, 2011
- 2011 Extracardiac osteophytic deformation of the left atrium: An unusual anatomic finding during atrial fibrillation ablation.** [Morales GX](#), Elayi CS, [Reddy VY](#). *Heart Rhythm.* 2011 Aug;8(8):1305
- 2011 Is there an Association Between External Cardioversions and Long Term Mortality and Morbidity - Insights from the AFFIRM Study.** Elayi CS, Whitbeck MG, Charnigo R, Shah J, Macaulay TE, *Morales G*, Gurley JC, Kakavand B, Thal S, Ching CK, Khaykin Y, Verma A, Barrett C, Bai R, Di Biase L, Patwardhan A, Moliterno DJ, Natale A. *Circ Arrhythm Electrophysiol.* 2011 Aug 1;4(4):465-9
- 2011 Inside-out Access: A New Method of Lead Placement for Patients with Central Venous Occlusions.** [Elayi CS](#), [Allen CL](#), [Leung S](#), [Lusher S](#), [Morales GX](#), [Wiisanen M](#), [Aikat S](#), [Kakavand B](#), [Shah JS](#), [Moliterno DJ](#), [Gurley JC](#). *Heart Rhythm.* 2011 Jun;8(6):851-7

- 2011** **Giant J wave (Osborn wave) unrelated to hypothermia.** *Gustavo X. Morales MD, Kunal Bodiwala MD, Claude S. Elayi MD.* **Europace.** 2011 Feb;13(2):283.
- 2010** **Tachycardia Initiated by One to Two Response and Terminated by ICD Shocks.** Claude S. Elayi, *Gustavo X. Morales, Bahram Kakavand, Jignesh S. Shah.* **Indian Pacing Electrophysiol. J.** 2010 Dec 26;10(11):522-5.
- 2010** **Catheter Ablation of Atrial Fibrillation without the Use of Fluoroscopy .** Reddy VY, *Morales G , Ahmed H, Neuzil P, Dukkupati S, Kim S, Clemens J, d'Avila A.* **Heart Rhythm** 2010. Nov;7(11):1644-53
- 2010** **Atrial fibrillation termination as a procedural endpoint during ablation of longstanding .** [Elayi CS](#), [Di Biase L](#), Barret C, [Ching CK](#), [Aly MA](#), Lucciola M, [Bai R](#), [Horton R](#), [Fahmy TS](#), [Verma A](#), [Khaykin Y](#), [Shah J](#), [Morales G](#), [Hongo R](#), [Hao S](#), [Beheiry S](#), [Arruda M](#), Sweikert RA, [Cummings J](#), [Burkhardt JD](#), [Wang P](#), [Al-Ahmad A](#), [Cauchemez B](#), [Gaita F, Natale A.](#) **Heart Rhythm.** 2010. Sep;7(9):1216-23
- 2007** **Left Atrial Thrombus in a Cocaine user with Bioprosthetic Mitral Valve and Left Ventricular Dysfunction: case report**
[Willens HJ](#), [Morales G](#), [Stang RB](#), [Postel C](#), [Hare JM](#), [Chakko SC.](#)
University of Miami Miller School of Medicine/Miami VA Medical Center. **Echocardiography.** 2007 Jul;24(6):656-7

Scientific Meetings Abstracts

- 2016** **Radiofrequency and Cryo-ablation Effect on Transvenous Pacing and Defibrillatory Lead Integrity: An in vitro study.** Darrat YH, Agarwal A, Morales GX, Thompson J, Abdel-Latif A, Waespe K, Biase LD, Natale A, Patwardan A, Elayi CS. **Heart Rhythm, Vol. 13, Issue: 5S, May, 2016. pp. S433.**
- 2015** **Left Atrial Access Via An Unroofed Coronary Sinus To Eliminate Fast/Slow Atypical AVNRT .** Parrot K, Morales G, Darrat Y, Leung S, Elayi CS 2015 ACC KY chapter sept 2015
- 2014** **Interference between Dental Electrical Devices and Pacemakers or Defibrillators: Results from a Prospective Clinical Study.** Metawee M, Darrat Y, Lusher S, Meeks J, Morales G, Miller C, Elayi CS. ACC KY Chapter. Oct 2014.
- 2013** **Device Infections: Multicenter Analysis of Clinical and Microbiologic**

Factors. Thal S, Moukabary T, Elayi CS, Foley J, *Morales G*, Indik J, Ott P, Thai H. Heart Rhythm Vol. 10, Issue: 5S, May, 2013. pp. S375.

- 2012** **Morbidity And Mortality Among Patients With Atrial Fibrillation And Prolonged Qrs: Insight From The Affirm Study** *Matthew Whitbeck, MD*, Richard Charnigo, PhD, Brandon Fornwalt, PhD, Gustavo Morales, MD, Jignesh Shah, MD, Milagros M. Zegarra, MD, Joseph Thompson, MD, Tzy Shiuan Bruce. Kuo, MD, Nael Aboul Hosn, MD, Rong Bai, MD, Luigi Di Biase, MD, Andrea Natale, MD and Claude S. Elayi, MD. Heart Rhythm Society Meeting. Boston 2012. Heart Rhythm. Volume 9, Issue 5, Supplement. PO 05-64. May 2012
- 2012** **Adenosine To Identify Early Resumption Of Conduction After Cavotricuspid Isthmus Ablation.** Claude S. Elayi, Md, Laurent Macle, Md, Evan Davidson, Md, Sergio Thal, Md, Matthew Whitbeck, Md, Jenks Thompson, Md, Gurbir Dhaliwal, Md, Samvel Azmarov, Md, Diego Alcivar, Md, Bai Rong, Md, Luigi Di Biase, Md, Andrea Natale, Md, Jignesh Shah, Md, Stephanie Lusher, Rn, Jenny Trimble, Bahram Kakavand, Md., And Gustavo X. Morales, Md. Heart Rhythm Society Meeting. Boston 2012. Heart Rhythm. Volume 9, Issue 5, Supplement. PO 04-128. May 2012
- 2011** **Increased Mortality in Patients Taking Digoxin-Enrolled in the AFFIRM study.** Matthew G. Whitbeck , MD; Richard Charnigo, PhD; Milagros M. Zegarra, MD; Jignesh Shah, MD; *Gustavo X. Morales*, MD; Charles L. Campbell, MD; Alison L. Bailey, MD; John C. Gurley MD, David J. Moliterno MD, Tracy Macaulay, PharmD BCPS, Claude S. Elayi, MD and the AFFIRM Study Investigators.
- 2011** **A New EKG Sign To Suspect Subtle Or Concealed Antegradely conducting Left Sided Accessory Pathways.** Claude S. Elayi, MD, Jenks Thompson, MD, Andrea Tackett, MD, Bahram Kakavand, MD, Richard Charnigo, PhD, *Gustavo Morales, MD*, Stephanie Lusher, RNP, Bai Rong, MD, Luigi Di Biase, MD, Andrea Natale, MD, Jignesh Shah, MD. HRS Meeting. San Francisco 2011. Poster Presentation.
- 2010** **Inside-out Access: A New Method of Lead Placement for Patients with Central Venous Occlusion.** Christopher L Allen, Claude S Elayi, Steve Leung, Shamik Aikat, Matt Wiisanen, *Gustavo X Morales*, Bahram Kakavand, Jignesh Shah, David J Moliterno, John C Gurley. **AHA 2010 Meeting.** Nov 16, 2010 Oral presentation
- 2010** **Digoxin and Mortality-Insights from the AFFIRM Study.** Matthew G. Whitbeck, MD; Richard Charnigo, PhD; Milagros M. Zegarra , MD; Jignesh Shah , MD; *Gustavo Morales*, MD; Charles Campbell, MD; Alison Bailey, MD; [Tracy Macaulay PharmD BCPS](#), Claude S. Elayi , MD and the AFFIRM Study Investigators. **ACC 2010 Meeting.** Oct 9th 2010.

- 2010** **Invasive Electrophysiology: Beyond the Endocardium. International College of Angiology.** 52nd Annual World Congress. Lexington KY. Oct 17th 2010
- 2008** **Cryoablation of AV Nodal Reentrant Tachycardia in Children and Young Adults: Experience from a Tertiary Center**
Del Carpio F, *Morales G*, Ratnasami C, Young M.
University of Miami Miller School of Medicine
The Cardiovascular Research Symposium. Oral Presentation
- 2008** **Junctional Rhythm during Cryoablation of AVNRT in children: An under recognized phenomenon?**
Del Carpio F, *Morales G*, Ratnasami C, Young M.
University of Miami Miller School of Medicine
Heart Rhythm. Vol 5, No 5, May supp. 2008 PO6-1
- 2007** **Intrinsic Deflection Onset, Left Axis Deviation and QRS Duration are Markers of Left Ventricular Systolic Dysfunction In Patients with Left Bundle Branch Block**
Freddy Del Carpio, *Gustavo X. Morales*, MD, Sambit Mondal, MD, Agustin Castellanos, MD and Robert J. Myerburg, MD.
University of Miami Miller School of Medicine.
Heart Rhythm Vol 4, No 5, May supp. 2007 PO3-106
- 2004** **Benign Intraventricular Septal Tumor: a case report**
University of Miami Miller School of Medicine
Miami International Revascularization Summit 2005, Miami FL
Poster Presentation
- 2000** **Percutaneous Transluminal Coronary Angioplasty in Coronary Artery Disease: Experience and results in Hospital Luis Vernaza, Guayaquil, Ecuador - Medical Dissertation (Honors)**