

- 1) Bongiorno MG, Romano SL, Kennergren C, Butter C, Deharo JC, Kutarsky A, Rinaldi CA, Maggioni AP, Blomström-Lundqvist C, Auricchio A. [ELECTRa \(European Lead Extraction ConTRolled\) Registry-Shedding light on transvenous lead extraction real-world practice in Europe.](#) *Herzschrittmacherther Elektrophysiol.* 2013 24:171–175.
- 2) Chen Z, Kotecha T, Crichton S, Shetty A, Sohal M, Arujuna A, Kirubakaran S, Bostock J, Cooklin M, O'Neill M, Wright M, Gill JS, Rinaldi CA. [Lower incidence of inappropriate shock therapy in patients with combined cardiac resynchronisation therapy defibrillators \(CRT-D\) compared with patients with non-CRT defibrillators \(ICDs\).](#) *Int J Clin Pract.* 2013;67(8):733-9
- 3) Ma Y, Gogin N, Cathier P, Housden RJ, Gijsbers G, Cooklin M, O'Neill M, Gill J, Rinaldi CA, Razavi R, Rhode KS. [Real-time x-ray fluoroscopy-based catheter detection and tracking for cardiac electrophysiology interventions.](#) *Med Phys.* 2013 Jul;40(7):071902. doi: 10.1118/1.4808114
- 4) Sohal M, Williams S, A Arujuna, J Whitaker, M Sohal, AK Shetty, D Roy, J Bostock, M Cooklin, J Gill, M O'Neill, M Wright, N Patel, C Bucknall, S Hamid and C Aldo Rinaldi Laser lead extraction to facilitate cardiac implantable electronic device upgrade and revision in the presence of central venous obstruction *Europace* July 2013 (PC-D-13-00157R1)
- 5) Sohal M, Amraoui S, Rinaldi CA. Noninvasive Assessment of Myocardial Dyssynchrony Prior to Cardiac Resynchronization Therapy. *Curr Cardiovasc Imaging Rep* 2013 DOI 10.1007/s12410-013-9192-6
- 6) Sohal M, Shetty A, Duckett S, Chen Z, Sammut E, Amraoui S, Carr-White G, Razavi R, Rinaldi CA. Noninvasive Assessment of LV Contraction Patterns Using CMR to Identify Responders to CRT. *JACC Cardiovasc Imaging.* 2013;6(8):864-73.
- 7) Chen Z, Hanson B, Sohal M, Sammut E, Child N, Shetty AK, Boucher R, Bostock J, Gill J, Carr-White G, Rinaldi CA, Taggart P. Left Ventricular Epicardial Electrograms Show Divergent Changes in Action Potential Duration in Responders and Non-Responders to Cardiac Resynchronization Therapy *Circulation Arrhythmia Electrophysiology.* 2013;6(2):265-71.
- 8) Marchesseau S, Delingette H, Sermesant M, Sorine M, Rhode K, Duckett SG, Rinaldi CA, Razavi R, Ayache N. [Preliminary specificity study of the Bestel-Clément-Sorine electromechanical model of the heart using parameter calibration from medical images.](#) *J Mech Behav Biomed Mater.* 2013;20:259-71
- 9) Sciaraffia E, Ginks MR, Gustafsson J, Karlsson A, Rinaldi CA, Lundqvist CB. [The reliability of cardiogenic impedance and correlation with echocardiographic and plethysmographic parameters for predicting CRT time intervals post implantation.](#) *J Interv Card Electrophysiol.* 2013;37(2):155-62.

- 10) Marchesseau S, Delingette H, Sermesant M, Cabrera-Lozoya R, Tobon-Gomez C, Moireau P, Figueras I Ventura RM, Lekadir K, Hernandez A, Garreau M, Donal E, Leclercq C, Duckett SG, Rhode K, Rinaldi CA, Frangi AF, Razavi R, Chapelle D, Ayache N. [Personalization of a cardiac electromechanical model using reduced order unscented Kalman filtering from regional volumes](#). Med Image Anal. 2013;17(7):816-29.
- 11) Marchesseau S, Delingette H, Sermesant M, Rhode K, Duckett SG, Rinaldi CA, Razavi R, Ayache N. [Cardiac mechanical parameter calibration based on the unscented transform](#). Med Image Comput Comput Assist Interv. 2012;15(Pt 2):41-8.
- 12) Housden RJ, Arujuna A, Ma Y, Nijhof N, Gijsbers G, Bullens R, O'Neill M, Cooklin M, Rinaldi CA, Gill J, Kapetanakis S, Hancock J, Thomas M, Razavi R, Rhode KS. [Evaluation of a real-time hybrid three-dimensional echo and X-ray imaging system for guidance of cardiac catheterisation procedures](#). Med Image Comput Comput Assist Interv. 2012;15(Pt 2):25-32
- 13) Sohal M, Ma Y, Rinaldi CA. Laser extraction of a defibrillator lead from a persistent left superior vena cava. Europace 2013; 15(8):1174
- 14) Panayiotou M, King AP, Ma Y, Rinaldi CA, Gill J, Cooklin M, O'Neil M, Rhode KS. [Automatic image-based retrospective gating of interventional cardiac X-ray images](#). Conf Proc IEEE Eng Med Biol Soc. 2012;2012:4970-3.
- 15) Housden RJ, Ma Y, Arujuna A, Nijhof N, Cathier P, Gijsbers G, Bullens R, Gill J, Rinaldi CA, Parish V, Rhode KS. [Extended-Field-of-View Three-Dimensional Transesophageal Echocardiography Using Image-Based X-ray Probe Tracking](#). Ultrasound Med Biol. 2013 28. doi:pii: S0301-5629(13)
- 16) Shetty AK, Duckett SG, Ginks MR, Ma Y, Sohal M, Bostock J, Kapetanakis S, Singh JP, Rhode K, Wright M, O'Neill MD, Gill JS, Carr-White G, Razavi R, Rinaldi CA. Cardiac Magnetic Resonance Derived Anatomy, Scar and Dyssynchrony Fused with Fluoroscopy to Guide LV Lead Placement in Cardiac Resynchronization Therapy: A Comparison with Acute Hemodynamic Measures and Echocardiographic Remodeling European Heart Journal - Cardiovascular Imaging. 2013;14:692-9.
- 17) Xi J, Lamata P, Niederer S, Land S, Shi W, Zhuang X, Ourselin S, Duckett SG, Shetty AK, Rinaldi CA, Rueckert D, Razavi R, Smith NP. [The estimation of patient-specific cardiac diastolic functions from clinical measurements](#). Med Image Anal. 2013 Feb;17(2):133-46
- 18) Sohal M, Williams SE, Arujuna A, Chen Z, Bostock J, Gill JS, Rinaldi CA. The Current Practice and Perception of Cardiac Implantable Electronic Device Transvenous Lead Extraction in the United Kingdom Europace. 2013 Jun;15(6):865-70

- 19) Victor K, Rajani R, Carr-White GS, Rinaldi CA. Multimodality imaging of right ventricular perforation secondary to pacing lead migration Eur Heart J Cardiovasc Imaging. 2013;14(4):330
- 20) Kirubakaran S, Rinaldi CA. [Pacemaker lead extraction complicated by a 'free floating' infected mass in the right atrium with embolization to the lung.](#) Eur Heart J Cardiovasc Imaging. 2013;14(5):442
- 21) Zuberi Z, Mehta P, Kirubakaran S, Rinaldi CA. Sprint Fidelis defibrillator leads- should we keep the faith?" Int J Cardiol. 2013 Jan 20;162(3):e68-9
- 22) Shetty AK, Mehta P, Bostock J, Rinaldi CA. Quad-Site Pacing Using a Quadripolar LV Pacing Lead Pacing Clin Electrophysiol. 2013;36(2):e48-50.
- 23) Shome J, Silberbauer J, Rinaldi A, Kamalvand K. [Single Site Left Ventricular Pacing induced Dyssynchrony and Cardiomyopathy.](#) Pacing Clin Electrophysiol. 2013;36(2):e35-7
- 24) Chen Z, Kapetanakis K, Carr-White G, Rinaldi CA, Chiribiri A. Extensive myocardial 'fatty-metaplasia' 20-years post-myocardial infarction Eur Heart J Cardiovasc Imaging. 2013;14(4):396-7
- 25) Attia R, Jamel S, Rinaldi CA, Blauth C. [Intramural collection caused by contrast extravasation into the ascending aortic wall.](#) Interact Cardiovasc Thorac Surg. 2012;15(6):1090-2
- 26) Mehta PA, Bostock J, and Rinaldi CA. A modified subcutaneous implantable cardioverter–defibrillator implant in a patient with a previous left ventricular epicardial defibrillation patch. Europace. 2012;14(1):149-50
- 27) [Whitaker J](#), [Williams S](#), [Arujuna A](#), [Rinaldi CA](#), [Chambers J](#), [Klein JL](#). Cardiac implantable electronic device-related endocarditis: A 12-year single-centre experience. Scand J Infect Dis. 2012;44(12):922-6
- 28) Arujuna A, Williams S, Whittaker J, Shetty A, Roy D, Bostock J, Kirubakaran S, O'Neill M, Gill J, Cooklin M, Patel N, Blauth C, Bucknall C, Hamid S, Rinaldi CA. [Trends, indications and outcomes of cardiac implantable device system extraction: a single UK centre experience over the last decade.](#) Int J Clin Pract. 2012;66(2):218-25.
- 29) Duckett SG, Ginks MR, Shetty A, Bostock J, Gill JS, Hamid S, Kapetanakis S, Cunliffe E, Razavi R, Carr-White G, Rinaldi CA [Reply](#). Is acute hemodynamic response a predictor of long-term outcome in cardiac resynchronization therapy? J Am Coll Cardiol. 2012 ;59(13):1198-9.
- 30) Ma YL, Shetty AK, Duckett S, Etyngier P, Gijssbers G, Bullens R, Schaeffter T, Razavi R, Rinaldi CA, Rhode K. [An integrated platform for image-guided cardiac resynchronization therapy.](#) Phys Med Biol. 2012;57(10):2953-2968.

31) Williams S, Arujuna A, Whitaker J, Sohal M, Shetty AK, Roy D, Bostock J, Cooklin M, Gill J, O'Neill M, Wright M, Patel N, Bucknall C, Hamid S, Rinaldi CA. [Percutaneous Extraction of Cardiac Implantable Electronic Devices \(CIEDs\) in Octogenarians](#) Pacing Clin Electrophysiol. 2012;35(7):841-9.

32) Arujuna A, Karim R, Caulfield D, Knowles B, Rhode K, Schaeffter T, Kato B, Rinaldi CA, Cooklin M, Razavi R, O'Neill MD, Gill J. [Acute Pulmonary Vein Isolation Is Achieved by a Combination of Reversible and Irreversible Atrial Injury Following Catheter Ablation: Evidence from Magnetic Resonance Imaging.](#) Circ Arrhythm Electrophysiol. 2012;5(4):691-700

33) Ginks MR, Shetty AK, Lambiase PD, Duckett SD, Bostock J, Peacock JL, Rhode KS, Bucknall C, Gill J, Taggart P, Leclercq C, Carr-White G, Razavi RS, Rinaldi CA. Benefits of Endocardial and Multi-site Pacing are Dependent on the Type of LV Electrical Activation Pattern and Presence of Ischemic Heart Disease: Insights from Electro-anatomical Mapping. Circ Arrhythm Electrophysiol. 2012;5(5):889-97

34) Ginks MR, Duckett S, Kapetanakis S, Bostock J, Hamid S, Rhode K, Carr-White G, Razavi R, Rinaldi CA. Multisite Left Ventricular Pacing as a Potential Treatment for Patients with Postero-lateral Scar: Insights from Cardiac Magnetic Resonance Imaging and Invasive Haemodynamic Assessment Europace 2012;14(3):373-9

35) Sperzel J, Dänschel W, Gutleben KJ, Kranig W, Mortensen P, Connelly D, Trappe H, Seidl, Duray G, Pieske B, Stockinger J, Boriani G, Jung W, Schilling R, Saberi L, Hallier B, Simon M, Rinaldi CA First prospective, multi-centre clinical experience with a novel left ventricular quadripolar lead. Europace. 2012;14(3):365-72

36) Niederer SA, Shetty A, Plank G Razavi R, Smith NP, Rinaldi CA. Biophysical Modelling to Simulate the Response to Multisite Left Ventricular Stimulation using a Quadripolar Pacing Lead". Pacing Clin Electrophysiol. 2012;35(2):204-14.

37) Niederer SA, Lamata P, Plank G, Chinchapatnam P, Ginks M, Rhode K, Rinaldi CA, Razavi R, Smith NP. [Analyses of the Redistribution of Work following Cardiac Resynchronisation Therapy in a Patient Specific Model.](#) PLoS One. 2012;7(8):e43504.

38) Delingette H, Billet F, Wong KCL, Sermesant M, Rhode K, Ginks M, Rinaldi CA, Razavi R, Ayache N. Personalization of Cardiac Motion and Contractility from Images using Variational Data Assimilation IEEE Trans Biomed Eng. 2012;59(1):20-4.

39) Mehta PA, Shetty A, Squirrel M, Bostock J, Rinaldi CA. Elimination of Phrenic Nerve Stimulation Occuring During CRT Follow-up in Patients Implanted with a Novel Quadripolar Pacing Lead J Interv Card Electrophysiol. 2012 ;33(1):43-9.

- 40) Duckett SG, Ginks M, Shetty A, Kirubakaran S, Bostock J, Kapetanakis S, Gill J, Carr-White G, Razavi R, Rinaldi CA. [Adverse response to cardiac resynchronisation therapy in patients with septal scar on cardiac MRI preventing a septal right ventricular lead position.](#) J Interv Card Electrophysiol. 2012;33(2):151-60
- 41) Kirubakaran S, Rinaldi CA. Phrenic nerve stimulation with the quadripolar left ventricular lead not overcome by 'electronic repositioning' Europace 2012;14(4):608-9
- 42) Kirubakaran S, Shetty AK, Rinaldi CA. Inadvertent identification of the left pericardiophrenic vein following laser lead extraction to guide left ventricular lead placement Europace 2012;14(6):914-5
- 43) Mehta PA, Zuberi Z, Rinaldi CA [The use of positron emission tomography in the diagnosis of pacemaker related infection.](#) Heart. 2012;98(5):376
- 44) Claridge S, Kapetanakis S, Gil J, Rinaldi CA, Wright M. A Rare Complication From Trans-septal Puncture- persistent aorto-right atrial shunt and puncture of non-coronary cusp of aortic valve. Heart Rhythm 2012;9(12):2089-90
- 45) Gao G, Penney G, Ma Y, Gogin N, Cathier P, Arujuna A, Morton G, Caulfield D, Gill J, Aldo Rinaldi C, Hancock J, Redwood S, Thomas M, Razavi R, Gijssbers G, Rhode K. [Registration of 3D trans-esophageal echocardiography to X-ray fluoroscopy using image-based probe tracking.](#) Med Image Anal. 2012;16(1):38-49.
- 46) Duckett SG, Camara O, Ginks M, Bostock J, Chinchapatnam P, Sermesant M, Pashaei A, Lambiase PD, Gill JS, Carr-White G, Frangi AF, Razavi R, Bijnens BH, Rinaldi CA. Relationship between endocardial activation sequences defined by high density mapping to early septal contraction (septal flash) in patients with left bundle branch block undergoing cardiac resynchronisation therapy. Europace. 2012;14(1):99-106
- 47) Ullah W, Cooklin M, Salter RJ, Sabarwal T, Rinaldi CA. [Percutaneous Closure and "Push-Pull" Technique to Repair Arterial Lead and Sheath Placement Complicating Cardiac Resynchronization Therapy](#) Pacing Clin Electrophysiol. 2012;35(2):e35-7
- 48) Shetty AK, Duckett SG, Ma Y, Kapetanakis S, Ginks M, Bostock J, Carr-White G, Rhode K, Razavi R, Rinaldi CA. The Acute Hemodynamic Response to LV Pacing within Individual Branches of the Coronary Sinus using a Quadripolar Lead. Pacing Clin Electrophysiol. 2012;35(2):196-203
- 49) Sermesant M, Chabiniok R, Chinchapatnam P, Mansi T, Billet F, Moireau P, Peyrat JM, Wong K, Relan J, Rhode K, Ginks M, Lambiase P, Delingette H, Sorine M, Rinaldi CA, Chapelle D, Razavi R, Ayache N. Patient-Specific Electromechanical Models of the Heart for the Prediction of Pacing Acute Effects in CRT: a Preliminary Clinical Validation. Med Image Anal. 2012;16(1):201-15

50) Ma Y, King AP, Gogin G, Gijsbers G, Rinaldi CA, Gill J, Razavi R, Rhode KS. Clinical Evaluation of Respiratory Motion Compensation for Anatomical Roadmap Guided Cardiac Electrophysiology Procedures. IEEE Trans Biomed Eng. 2012 ;59(1):122-31.

51) Kirubakaran S, Gill J, Rinaldi CA. [Successful Catheter Ablation of Focal Ventricular Fibrillation in a Patient with Nonischemic Dilated Cardiomyopathy.](#) Pacing Clin Electrophysiol. 2011 Apr;34(4):e38-42

52) Relan J, Chinchapatnam P, Sermesant M, Rhode K, Ginks M, Delingette H, Rinaldi CA, Razavi R, Ayache N. Coupled Personalisation of Cardiac Electrophysiology Models for Prediction of Ischemic Ventricular Tachycardia Interface Focus. 2011 6;1(3):396-407

53) Chong E, Rinaldi AC Images in cardiovascular medicine:Twiddler's syndrome of an implantable cardioverter defibrillator Heart Asia 2011;3:41 doi:10.1136/ha.2010.002915

54) Duckett SG, Ginks M,Shetty A, Bostock J, Gill JS, Hamid S, Kapetanakis S, Cunliffe E, Razavi R, Carr-White G, Rinaldi CA Invasive acute hemodynamic response to guide LV lead implantation predicts chronic remodelling in patients undergoing cardiac resynchronisation therapy. Journal American College Cardiology 2011 58:1128-36

55) Ullah W, Chambers JB, Hunt BH, Blauth C, Rinaldi CA. Massive thrombi on an implantable cardioverter- defibrillator lead in a patient with the antiphospholipid syndrome Europace. 2011;13(8):1205-6

56) Duckett SG, Ginks MR, Knowles BR, Ma Y, Shetty A, Bostock J, Cooklin M, Gill JS, Carr-White GS, Razavi R, Schaeffter T, Rhode KS, Rinaldi CA. [Advanced Image Fusion to Overlay Coronary Sinus Anatomy with Real-Time Fluoroscopy to Facilitate Left Ventricular Lead Implantation in CRT.](#) Pacing Clin Electrophysiol. 2011;34(2):226-34.

57) Duckett SG, Chiribiri A, Ginks MR, Sinclair S, Knowles BR, Botnar R, Carr-White GS, Rinaldi CA, Nagel E, Razavi R, Schaeffter T. [Cardiac MRI to investigate myocardial scar and coronary venous anatomy using a slow infusion of dimeglumine gadobenate in patients undergoing assessment for cardiac resynchronization therapy.](#) J Magn Reson Imaging. 2011;33(1):87-95

58) Shetty A, Duckett S, Bostock J, Roy D, Ginks M, Hamid S, Rosenthal E, Razavi R, Rinaldi CA. Initial Single-Center Experience of a Quadripolar Pacing Lead for Cardiac Resynchronization Therapy.Pacing Clin Electrophysiol. 2011;34(4):484-9.

59) Ginks MR, Lambiase PD, Duckett SG, Bostock J, Chinchapatnam P, Rhode KS, McPhail MJW, Simon M, Bucknall C, Carr-White GS, Razavi R, Rinaldi CA. Simultaneous X-MRI and Non Contact Mapping Study of the Acute Hemodynamic Effect of Left Ventricular Endocardial and Epicardial

Cardiac Resynchronization Therapy in Humans. Circulation: Heart Failure. 2011 1;4(2):170-9.

60) Kirubakaran S, Ladwiniec A, Arujuna A, Ginks M, McPhail M, Bostock J, Carr-White G, Rinaldi CA. [Male gender and chronic obstructive pulmonary disease predict a poor clinical response in patients undergoing cardiac resynchronisation therapy.](#) Int J Clin Pract. 2011;65(3):281-8.

61) Shetty AK, Duckett S, Bostock J, Rosenthal E, Rinaldi CA. Use of a quadripolar left ventricular lead to achieve successful implantation in patients with previous failed attempts at cardiac resynchronization therapy. Europace. 2011;13(7):992-6.

62) Ginks MR, Sciaraffia E, Karlsson A, Gustafson J, Hamid S, Bostock J, Simon M, Blomström Lundqvist C, Rinaldi CA. Relationship between intracardiac impedance and left ventricular contractility in patients undergoing cardiac resynchronization Therapy. Europace. 2011;13(7):984-91.

63) Relan J, Chinchapatnam P, Sermesant M, Rhode K, Ginks M, Delingette H, Rinaldi CA, Razavi R, Ayache N. [Coupled personalization of cardiac electrophysiology models for prediction of ischaemic ventricular tachycardia.](#) Interface Focus. 2011;1(3):396-407

64) Duckett SG, Ginks M, Shetty AK, Knowles BR, Totman JJ, Chiribiri A, Ma YL, Razavi R, Schaeffter T, Carr-White G, Rhode K, Rinaldi CA. [Realtime fusion of cardiac magnetic resonance imaging and computed tomography venography with X-ray fluoroscopy to aid cardiac resynchronisation therapy implantation in patients with persistent left superior vena cava.](#) Europace. 2011;13(2):285-6.

65) Shetty AK, Roy D, Thomas MR, Rinaldi CA. [Quadripolar left ventricular lead implantation through the anchor struts of a mitral valve annuloplasty device.](#) Europace. 2011;13(4):590-1.

66) [Niederer](#) SA, [Plank](#) G, [Chinchapatnam](#) P, [Ginks](#) M, [Lamata](#) P, [Rhode](#) KS, [Rinaldi](#) CA, [Razavi](#) R, Smith NP. Length-Dependent Tension in the Failing Heart and the Efficacy of Cardiac Resynchronisation Therapy Cardiovasc Res. 2011 1;89(2):336-43.

67) Kirubakaran S, Behan MWH, Mozid AM, Sabharwal TS, Rinaldi CA. Percutaneous balloon venoplasty of pacemaker-associated superior vena cava obstruction to facilitate upgrade to a biventricular pacing system Europace. 2011;13(12):1798-800

68) Williams S, A Arujuna, J Whitaker, AK Shetty, J Bostock, N Patel, M Mobb, M Cooklin, J Gill, C Blauth, C Bucknall S Hamid, Rinaldi CA. Percutaneous Lead and System Extraction in Patients with Cardiac Resynchronization Therapy (CRT) Devices and Coronary Sinus Leads. Pacing Clin Electrophysiol. 2011;34(10):1209-16.

- 69) Ginks MR, Duckett SG, Carr-White GS and Rinaldi CA. Response to cardiac resynchronization therapy resulting from an upgrade to dual-site left ventricular pacing. *Heart and Metabolism* 2001;1 (49)
- 70) Ma Y, King AP, Gogin N, Rinaldi CA, Gill J, Razavi R, Rhode KS. [Real-time respiratory motion correction for cardiac electrophysiology procedures using image-based coronary sinus catheter tracking.](#) *Med Image Comput Assist Interv.* 2010;13(Pt 1):391-9
- 71) Rinaldi CA , Kirubakaran S, Bucknall CA, Bostock J, Gill JS. Initial Experience of a Cohort of Patients With Hypertrophic Cardiomyopathy Undergoing Biventricular Pacing *Indian Pacing and Electrophysiology Journal*; 2010; 11(1):5-14
- 72) Ma Y, Penney GP, Bos D, Frissen P, Rinaldi CA, Razavi R, Rhode KS. Hybrid echo and x-ray image guidance for cardiac catheterization procedures by using a robotic arm: a feasibility study. *Phys Med Biol.* 2010 9;55(13):N371-N382.
- 73) Duckett SG, Ginks M, Knowles BR, Chiribiri A, Ma YL, Razavi R, Schaeffter T, Carr-White G, Rinaldi CA, Rhode K. [A novel cardiac MRI protocol to guide successful cardiac resynchronization therapy implantation.](#) *Circulation Heart Failure.* 2010 Jul 1;3(4):e18-21.
- 74) Farooqi FM, Talsania S, Hamid S, Rinaldi CA. [Extraction of cardiac rhythm devices: indications, techniques and outcomes for the removal of pacemaker and defibrillator leads.](#) *Int J Clin Pract.* 2010;64(8):1140-7.
- 75) Knowles B, Caulfield D, Cooklin M, Rinaldi C, Gill J, Bostock J, Razavi R, Schaeffter T, Rhode K. [Three-dimensional visualization of acute radiofrequency ablation lesions using MRI for the simultaneous determination of the patterns of necrosis and edema.](#) *IEEE Trans Biomed Eng.* 2010;57(6):1467-75
- 76) Hamid S, Arujuna A, Ginks M, McPhail M, Patel N, Bucknall C. Rinaldi C [Pacemaker and Defibrillator Lead Extraction: Predictors of Mortality during Follow-Up.](#) *Pacing Clin Electrophysiol.* 2010;33(2):209-16
- 77) Shetty AK, Behan MW, Bostock J, Rinaldi CA. [Device therapy for the management of cardiac tachyarrhythmias.](#) *Expert Rev Cardiovasc Ther.* 2010;8(9):1257-66.
- 78) [Pedersen ME](#), [Gill JS](#), [Qureshi SA](#), [Rinaldi CA](#). Successful transseptal puncture for radiofrequency ablation of left atrial tachycardia after closure of secundum atrial septal defect with Amplatzer septal occluder. [Cardiol Young.](#) 2010 Mar 22:1-3.
- 79) Hamid MS, Arujuna A, Khan S, Ladwiniec A, Bostock J, Mobb M, Bucknall C, Rinaldi CA. Coronary Sinus Lead Extractions: Laser Infrequently Required But Necessary. *Europace.* 2009;11(2):213-5

- 80) Ma YL, Penney GP, Rinaldi CA, Cooklin M, Razavi R, Rhode KS. [Echocardiography to magnetic resonance image registration for use in image-guided cardiac catheterization procedures.](#) Phys Med Biol. 2009 Aug 21;54(16):5039-55.
- 81) Ma Y, Penney GP, Bos D, Frissen P, de Fockert G, King A, Gao G, Yao C, Totman J, Ginks M, Rinaldi C, Razavi R, Rhode KS. [Evaluation of a robotic arm for echocardiography to X-ray image registration during cardiac catheterization procedures.](#) Conf Proc IEEE Eng Med Biol Soc. 2009;1:5829-32.
- 82) Chinchapatnam P, Rhode KS, Ginks M, Mansi T, Peyrat JM, Lambiase P, Rinaldi C, Razavi R, Arridge S, Sermesant M. [Estimation of volumetric myocardial apparent conductivity from endocardial electro-anatomical mapping.](#) Conf Proc IEEE Eng Med Biol Soc. 2009;1:2907-10
- 83) Khan S, Hamid MS, Rinaldi CA. Treatment of inappropriate sinus tachycardia with ivabradine in a patient with postural orthostatic tachycardia syndrome and a dual chamber pacemaker Pacing Clin Electrophysiol. 2009 ;32(1):131-3
- 84) Hamid S, Khan S, Rinaldi CA. ["Cold can for a hot case": use of a coronary sinus shocking lead in association with cold can to achieve successful defibrillation.](#) Pacing Clin Electrophysiol. 2009;32(4):561-2
- 85) Hamid S, Arujuna A, Rinaldi CA. [A shocking lead in the coronary sinus.](#) Europace. 2009;11(6):833-4.
- 86) [Dual-chamber implantable cardioverter defibrillators reduce clinical adverse events related to atrial fibrillation when compared with single-chamber defibrillators: a subanalysis of the DATAS trial.](#) Ricci RP, Quesada A, Almendral J, Arribas F, Wolpert C, Adragao P, Zoni-Berisso M, Navarro X, DeSanto T, Grammatico A, Santini M; DATAS study Investigators. Europace. 2009 May;11(5):587-93
- 87) [The balloon pump-assisted coronary intervention study \(BCIS-1\): rationale and design.](#) Perera D, Stables R, Booth J, Thomas M, Redwood S; BCIS-1 Investigators. Am Heart J. 2009 Dec;158(6):910-916.
- 88) [Chinchapatnam P, Rhode KS, Ginks M, Rinaldi CA, Lambiase P, Razavi R, Arridge S, Sermesant M.](#) Model-based imaging of cardiac apparent conductivity and local conduction velocity for diagnosis and planning of therapy. IEEE Trans Med Imaging. 2008;27(11):1631-42
- 89) [Home use of automated external defibrillators for sudden cardiac arrest.](#) Bardy GH, Lee KL, Mark DB, Poole JE, Toff WD, Tonkin AM, Smith W, Dorian P, Packer DL, White RD, Longstreth WT Jr, Anderson J, Johnson G, Bischoff E, Yallop JJ, McNulty S, Ray LD, Clapp-Channing NE, Rosenberg Y, Schron EB; HAT Investigators. N Engl J Med. 2008 24;358(17):1793-804.

- 90) Hamid MS, Khan S, Rinaldi CA. A Case of Diaphragmatic Pacing with Cardiac Resynchronisation Therapy. *Europace*. 2008;10(10):1229-31.
- 91) [Single-chamber devices: results from the DATAS \(Dual chamber and Atrial Tachyarrhythmias Adverse events Study\) trial.](#) Almendral J, Arribas F, Wolpert C, Ricci R, Adragao P, Cobo E, Navarro X, Quesada A; DATAS Steering Committee; DATAS Writing Committee; DATAS Investigators. *Europace*. 2008 May;10(5):528-35.
- 92) Improvement of cardiac efficiency in heart failure by cardiac resynchronization therapy Matthew Ginks and C. Aldo Rinaldi *Heart Metab* 2008 39:1-5
- 93) Ginks M, Hamid S, Rinaldi CA. Recent Patents in CRT. *Recent Patents in Biomedical Engineering* 2008 1 136-40
- 94) Arujuna A, Ginks M, Rinaldi A. Future of cardiac resynchronization therapy. *Future Cardiol*. 2008;4(2):191-201
- 95) Behan MWH, Rinaldi CA. Cardiac resynchronisation therapy in heart failure. *IJCP* 2006 :60: 1107-1114
- 96) Behan MWH, Gill JS, Rinaldi CA. Who needs an implantable cardioverter defibrillator? *Br J Hosp Med*. 2006;67(11):594-8
- 97) Spurrell P, Gandhi MM, Rinaldi CA. A Biventricular ICD System with Biventricular Defibrillation Pacing and Clinical Electrophysiology 2006; 29; 334
- 98) Lambiase PD, Rinaldi A, Hauck J , Mobb M, Elliott D, Mohammad S, Gill JS, Bucknall CA. Non contact left ventricular endocardial mapping in cardiac resynchronisation therapy. *Heart* 2004;90(1):44-51
- 99) Rinaldi CA, Simon RD, Baszko A, Bostock J, Elliot D, Bucknall CA, Gill JS . A 17 year experience of inappropriate shock therapy in patients with implantable cardioverter-defibrillators: are we getting any better? *Heart*. 2004;90(3):330-1
- 100) RDB Simon, CA Rinaldi, A Baszko, JS Gill. Electro-anatomical mapping of the right atrium with a right atrial basket catheter and three dimensional intracardiac echocardiography. *PACE* 2004;27; (3) 318-326
- 101) Rinaldi CA, Simon RD, Geelen P, Reek S, Baszko A, Kuehl M, Gill JS. A Randomised Prospective Study of Single Coil versus Dual Coil Defibrillation in Patients with Ventricular Arrhythmias Undergoing ICD Implantation. *PACE* 2003;26(8):1684-90
- 102) Baszko A, Simon RD, Rinaldi A, Gill JS . Occurrence of atrial fibrillation after flutter ablation: the significance of intra-atrial conduction and atrial vulnerability. *J Electrocardiol*. 2003 Jul;36(3):219-25.

- 103) Rinaldi CA, Simon RDB, Baszko A, Bostock J, Elliot D, Bucknall C, Gill JS. Can we predict which patients with implantable cardioverter defibrillators receive appropriate shock therapy? A study of 155 patients. *Int J Cardiol* 2003;88(1):69-75
- 104) Rinaldi CA, Gill JS. The implantable cardioverter defibrillator *Hospital Medicine*. 2003, Vol 63(11): 672-6
- 105) Rinaldi CA, Hall RJC. Evidence that stunning can be cumulative in man. *Heart Failure Reviews* 8(2) 161-165, 2003.
- 106) Rinaldi CA, Heppell RM, Chambers JB. Treatment of prosthetic valve thrombosis: thrombolysis or surgery. *Journal of Heart Valve disease* 2002;11: 839-43
- 107) Baszko A, Rinaldi CA, Simon RDB, Gill JS. Atrial fibrillation current and future treatments: radiofrequency ablation and novel pacing techniques. *IJCP* 2002; 56(5):370-6
- 108) Rinaldi CA, Stewart AJ, Blauth CI. Intracardiac thrombus traversing a patent foramen ovale: impending paradoxical embolism demonstrated by transoesophageal echocardiography. *IJCP* 2002; 56(3) 230-1
- 109) Rinaldi CA, Bucknall CA, and Gill JS. Beneficial effects of biventricular pacing in a patient with hypertrophic cardiomyopathy and intraventricular conduction delay. *Heart* 2002; 87(6): e6
- 110) Rinaldi C.A, Bostock J, Bucknall C. Determinants of procedural outcome of chronically implanted pacemaker and defibrillator lead using the Excimer laser sheath *Heart* 2002; 87; 160-161
- 111) Rinaldi CA, Coutts JF, Jackson G. Left ventricular free wall rupture *IJCP* May 2001;(55) 4; 279
- 112) Barnes E, Baker CSR, Dutka DP, Rimoldi O, Rinaldi CA, Nihoyannopoulos P, Camici PG, Hall RJ. Prolonged left ventricular dysfunction occurs in patients with coronary disease after both dobutamine and exercise-induced myocardial ischaemia. *Heart* 2000; 83:283-89
- 113) Rinaldi CA, Hall RJC Myocardial stunning and hibernation in Clinical Practice. *International Journal of Clinical Practice* 2000; 54(10): 659-664
- 114) Rinaldi CA, MB Mishra, JB Chambers. Stress echocardiography. *Current Medical Literature Cardiology*. 2000;19(3);53-64
- 115) Rinaldi CA, Thompson DS. Tachycardia induced cardiomyopathy caused by atrial flutter responding to DC cardioversion. *Hospital Medicine* 1999; 60(4); 305-6

- 116) Rinaldi CA, Briers L, Stewart AJ. Swallow syncope. British Journal of Cardiology 1999; 6(5): 292-3
- 117) Rinaldi CA, Masani ND, Linka AZ, Hall RJ. The effect of repetitive episodes of exercise-induced myocardial ischaemia on left ventricular function in patients with chronic stable angina: evidence for cumulative stunning or ischaemic preconditioning? Heart 1999: 81:401-11
- 118) Rinaldi CA, Linka A Z, Masani ND, Avery PG., Jones E., Saunders H, Hall RJ. A randomised double-blind crossover study of the effect of amlodipine and isosorbide mononitrate on exercise-induced myocardial stunning in patients with chronic stable angina. Circulation 1998: 98:749-756
- 119) Rinaldi CA, Hall RJC Myocardial stunning and hibernation: clinically important causes of LV dysfunction. British Journal of Cardiology 1998;5(10): 513-20
- 120) Rinaldi CA, Hall RJC, Hall. Stunned Hearts needn't fail. Medical Monitor. February 1998.
- 121) Rinaldi CA, Hall RJC. Myocardial viability. Medicine 1997; 25(11): 73-76
- 122) Rinaldi CA. Hall, and R.J.C. Myocardial stunning: is it clinically relevant? Prescriber 1997; Vol 8 (27): 71-73
- 123) Rinaldi CA, Hall RJC, Hall. Problem Solving in Angina.. Angina: prevention and cure. Cost and Options in Angina 1997; Issue 11:6-8.
- 124) Rinaldi CA, Hall RJC. Myocardial Stunning and hibernation. Indian Heart Journal 1996; 48:721-725.
- 125) Dhanjal TS, Cooklin M, Harrison J, Arujuna A, Rinaldi CA, Gill J, Linton N, Wright M, O'Neill MD. [Ongoing Tachycardia During Cavotricuspid Isthmus Ablation: What Is the Mechanism?](#) J Cardiovasc Electrophysiol. 2011 22(10);1182-3

Book chapters

- 1) C.A.Rinaldi and R.J.C.Hall "Endocarditis in Echocardiography" in Echocardiography in Adult Cardiac Surgery; Chapter 14: 155-167 Editors: M Bashar Izzat, J Sanderson and J.G.St.John Sutton, Isis Medical Media (eds) 1999.
- 2) Rinaldi CA, Hall RJC .Treatment of myocardial stunning: in Current Concepts in Cardiovascular Medicine . Edited by G Jackson. M Dunitz (eds)2001

- 3) Rinaldi CA, Hall RJC What the cardiologist requires of nuclear medicine.in "Nuclear Medicine in Radiological Diagnosis" a reference textbook of nuclear medicine edited by Prof AM Peters. Martin Dunitz Eds 2002

- 4) Ma Y, Duckett S, Chinchapatnam P, Shetty A, Rinaldi CA, Schaeffter T, Rhode KS: Image and physiological data fusion for guidance and modelling of cardiac resynchronization therapy procedures, Statistical Atlases and Computational Models of the Heart, Lecture Notes in Computer Science, Volume 6364/2010, 105-113, 2010

- 5) [Image-Based Automatic Ablation Point Tagging System with Motion Correction for Cardiac Ablation Procedures](#) YingLiang Ma, Gang Gao, Geert Gijsbers, C. Aldo Rinaldi and Jaswinder Gill, et al. [Lecture Notes in Computer Science](#), 2011, Volume 6689, [Information Processing in Computer-Assisted Interventions](#), Pages 145-155

- 6) [Real-Time Cardiac MR Anatomy and Dyssynchrony Overlay for Guidance of Cardiac Resynchronization Therapy Procedures: Clinical Results Update](#) YingLiang Ma, Anoop Shetty, Simon Duckett, C. Aldo Rinaldi and Tobias Schaeffter, et al. [Lecture Notes in Computer Science](#), 2011, Volume 6666, [Functional Imaging and Modeling of the Heart](#), Pages 313-31

- 7) [Automatic Segmentation of Left Atrial Scar from Delayed-Enhancement Magnetic Resonance Imaging](#) Rashed Karim, Aruna Arujuna, Alex Brazier, Jaswinder Gill and C. Aldo Rinaldi, et al. [Lecture Notes in Computer Science](#), 2011, Volume 6666, [Functional Imaging and Modeling of the Heart](#), Pages 63-70

- 8) [Comparing Image-Based Respiratory Motion Correction Methods for Anatomical Roadmap Guided Cardiac Electrophysiology Procedures](#) YingLiang Ma, Andy P. King, Nicolas Gogin, Geert Gijsbers and C. Aldo Rinaldi, et al. [Lecture Notes in Computer Science](#), 2011, Volume 6666, [Functional Imaging and Modeling of the Heart](#), Pages 55-62

- 9) [An Automatic Data Assimilation Framework for Patient-Specific Myocardial Mechanical Parameter Estimation](#) Jiahe Xi, Pablo Lamata, Wenzhe Shi, Steven Niederer and Sander Land, C. Aldo Rinaldi et al. [Lecture Notes in Computer Science](#), 2011, Volume 6666, [Functional Imaging and Modeling of the Heart](#), Pages 392-400

- 10) [Real-Time Respiratory Motion Correction for Cardiac Electrophysiology Procedures Using Image-Based Coronary Sinus Catheter Tracking](#) YingLiang Ma, Andy P. King, Nicolas Gogin, C. Aldo Rinaldi and Jaswinder Gill, et al. [Lecture Notes in Computer Science](#), 2010, Volume 6361, [Medical Image Computing and Computer-Assisted Intervention – MICCAI 2010](#), Pages 391-399

- 11) [Personalised Electromechanical Model of the Heart for the Prediction of the Acute Effects of Cardiac Resynchronisation Therapy](#) Maxime Sermesant, Florence Billet, Radomir Chabiniok, Tommaso Mansi and Phani

[Chinchapatnam](#), C.Aldo Rinaldi et al. [Lecture Notes in Computer Science](#), 2009, Volume 5528, [Functional Imaging and Modeling of the Heart](#), Pages 239-248

12) Rhode, K., Ma, Y., Housden, J., Karim, R., Rinaldi, C.A., Cooklin, M., Gill, J., O'Neill, M., Schaeffter, T., Relan, J., Sermesant, M., Delingette, H., Ayache, N., Krüger, M., Schulze, W., Seemann, G., Dössel, O., Razavi, R. Clinical applications of image fusion for electrophysiology procedures (2012) Proceedings - International Symposium on Biomedical Imaging, art. no. 6235840,

13) Ma, Y., Karim, R., Housden, R.J., Gijssbers, G., Bullens, R., Rinaldi, C.A., Razavi, R., Schaeffter, T., Rhode, K.S. Cardiac unfold: A novel technique for image-guided cardiac catheterization procedures (2012) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 7330 LNCS, pp. 104-114.

14) Karim, R., Arujuna, A., Brazier, A., Gill, J., Rinaldi, C.A., Cooklin, M., O'Neill, M., Razavi, R., Schaeffter, T., Rueckert, D., Rhode, K.S. Validation of a novel method for the automatic segmentation of left atrial scar from delayed-enhancement magnetic resonance (2012) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 7085 LNCS, pp. 254-262.

15) [Rashed Karim](#), [Zhong Chen](#), [Samantha Obom](#), [Ying-Liang Ma](#), [Prince Acheampong](#), [Harminder Gill](#), [Jaspal Gill](#), [C. Aldo Rinaldi](#), [Mark O'Neill](#), [Reza Razavi](#), [Tobias Schaeffter](#), [Kawal S. Rhode](#) [Statistical Atlases and Computational Models of the Heart. Imaging and Modelling Challenges Lecture Notes in Computer Science](#) Volume 7746, 2013, pp 71-79 Infarct Segmentation of the Left Ventricle Using Graph-Cuts

16) [YingLiang Ma](#), [Anoop Shetty](#), [Simon Duckett](#), [C. Aldo Rinaldi](#), [Tobias Schaeffter](#), [Reza Razavi](#), [Gerry Carr-White](#), [Kawal S. Rhode](#) Real-Time Cardiac MR Anatomy and Dyssynchrony Overlay for Guidance of Cardiac Resynchronization Therapy Procedures: Clinical Results Update [Functional Imaging and Modeling of the Heart Lecture Notes in Computer Science](#) Volume 6666, 2011, pp 313-314

Conference abstracts -176 cardiology conference abstracts