

## “Curriculum vitae”

### FORMATO EUROPEO PER IL CURRICULUM VITAE

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#### PERSONAL INFORMATION

Name, Surname

MATTEO BERTINI

Date of birth

19.6.1976, CF: BRTMTT76H19D705P

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[doc.matber@gmail.com](mailto:doc.matber@gmail.com)

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PHYSICIAN, MEDICAL DIRECTOR, PROFESSOR OF  
CARDIOLOGY

#### EDUCATION AND TRAINING

• Date (da – a)

- - to have obtained a degree in Medicine and Surgery at the University of Bologna on 25/07/2002 with a grade of 110/110 cum laude;
- - to have obtained the qualification to practice the profession at the University of Bologna in the second session of the year 2003 with a grade of 110/110;
- - to be registered in the register of Physicians-Surgeons of the province of Forlì-Cesena from 09/07/2003;
- - to have completed the course of the School of Specialization in Cardiology of the University of Bologna with a score of 70/70 cum laude, on 07/11/2006.

- - From 01/01/2007 to 01/01/2010 PhD in "Pathophysiology of heart failure" at the Institute of Cardiovascular Diseases (Prof. Branzi) of the University of Bologna. He successfully discussed the PhD thesis on 26/05/2010 entitled: "Cardiac Resynchronization: Rationale, Patient Selection and Therapy Optimization".
- - From 14/9/2007 to 1/12/2007 holder of a free-professional position as a Specialist in Cardiology, for performance activities at the Operating Unit of Cardiology of the US Company of Imola (BO).
- - From 01/01/2008 to 01/01/2010, technical-professional training internship in the field of heart failure, in particular for HEART RESYNCHRONIZATION THERAPY at the Department of Cardiology of the University Medical Center of Leiden (Netherlands),
- - From 4/10/2010 to 30/09/2011 Technical-professional training internship in the field of interventional electrophysiology at Prof. Carlo Pappone (Maria Cecilia Nursing Home, Cotignola, RA).
- - Winner of the Competition for Medical Director in Cardiology for an indefinite period at the University Hospital of Policlinico S. Anna, Ferrara and consequent recruitment as Medical Director in Cardiology level I on 10/05/2011.
- - Achievement of the second PhD at the Department of Cardiology of the University Medical Center of Leiden (Netherlands) with the presentation and publication of the book entitled: "Left Ventricular Mechanics in Advanced Heart Failure Patients" on 3.11.2015 at the University 'of Leiden.
- - 10.08.2016 successfully passed Certification Exam in Invasive cardiac electrophysiology Written assessment: EHRA certified electrophysiology specialist level 1 (ECES 1)
- - 23.3.2017 achievement of the title of AIAC Fellow (FAIAC)
- - November 2017 achievement of national qualification as Professor of Band II, VALID FROM 30/11/2017 TO 30/11/2023 (Article 16, paragraph 1, Law 240/10)
- - December 2017 successfully passed Certification Exam in

- Nome e tipo di istituto di istruzione o formazione
- Qualifica conseguita

## WORK EXPERIENCE

- Date (da – a)

Invasive cardiac electrophysiology Written assessment: EHRA certified electrophysiology specialist level 2 (ECES 2)

- 9.06.2020 winner of the competition for second-tier university professor at the University of Ferrara pursuant to art. 18, paragraph 4 of Law 240/2010 (06 / D1 - MED / 11) - D.R. January 27, 2020, n. 108
- 1.12.2020 Permanent employment as Associate Professor at the University of Ferrara, in service at the University Cardiological Center (Arcispedale S. Anna), Department of Translational Medicine and for Romagna.

## ASSIGNMENTS

- Imola 2007: 14.9.2007-1.12.2007 (132 hours). (Medical Director of Cardiology at the Department of Cardiology, Imola Hospital)
- Ferrara 2010: 01.07.2010-31.12.2010 (Medical Director of Cardiology at the Department of Cardiology, S. Anna Hospital, Ferrara)
- Ferrara 2011: 01.01.2011-30.06.2011 (Medical Director of Cardiology at the Department of Cardiology, S. Anna Hospital, Ferrara)
- Winner of the Competition for Medical Director in Cardiology for an indefinite period at the University Hospital of S. Anna Polyclinic, Ferrara and consequent hiring as Medical Director in Cardiology level I on 10/05/2011.

- NAME AND ADDRESS OF EMPLOYER

UNIVERSITY OF FERRARA,  
ARCISPEDALE S. ANNA. VIA A. MORO 8, 44124 CONA-FERRARA

- Type of business or sector  
*Kind of employment*
- Main tasks

UNIVERSITY HOSPITAL  
 LEVEL FIRST MEDICAL DIRECTOR C / O CARDIOLOGY OPERATING UNIT  
 INTERVENTIVE ELECTROPHYSIOLOGY AND CARDIOSTIMULATION  
 CHIEF OF ELECTROPHYSIOLOGY LABORATORY

**NATIVE LANGUAGE**

**ITALIANO**

**OTHER LANGUAGES**

- Reading ability
- Writing skills
- Oral expression skills

**ENGLISH**  
 EXCELLENT  
 EXCELLENT  
 EXCELLENT

**TECHNICAL SKILLS  
 AND COMPETENCES  
 WITH COMPUTERS,  
 SPECIFIC EQUIPMENT, ETC..**

COMPUTER USE ALL BIOSTATISCTIC PROGRAMS

**OTHER  
 (PARTICIPATION IN  
 CONFERENCES,  
 SEMINARS,  
 PUBLICATIONS,  
 COLLABORATIONS  
 WITH MAGAZINES,  
 ETC. AND ANY OTHER  
 INFORMATION  
 DEEMED USEFUL FOR  
 PUBLICATION)**

- - Achievement of the second PhD at the Department of Cardiology of the University Medical Center of Leiden (Netherlands) with the presentation and publication of the book entitled: "Left Ventricular Mechanics in Advanced Heart Failure Patients" on 3.11.2015 at the University 'of Leiden.
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- During her internship at the Department of Cardiology of the University Medical Center of Leiden, she performed more than 400 3D echocardiographic exams and more than 200 echocardiographic exams with intravenous contrast medium to opacify and for the evaluation of myocardial perfusion. You have gained experience in the acquisition of echo images to be analyzed with the new software for "Speckle Tracking" and in the use and application of the new echocardiographic software in clinical practice.
- During this period, you have assisted and actively participated in numerous procedures of mapping and ablation of arrhythmias and mapping and activation of patients with devices for cardiac resynchronization therapy.
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- Particular interest in the field of arrhythmology and cardiostimulation, with particular interest in heart failure, implantable cardioverter defibrillators and cardiac resynchronization therapy. Specifically gained experience in the execution of pacemaker implants, endovascular and subcutaneous cardioverter-defibrillators and devices for cardiac resynchronization therapy (total autonomy in these procedures). Also gained experience in performing electrophysiological studies and electroanatomical mapping with non-fluoroscopic mapping systems for the diagnosis and treatment of arrhythmias by catheter ablation (total autonomy in these procedures). Particularly gained experience in the execution and reporting of transthoracic echocardiographic examinations and "special" echocardiographic examinations (transesophageal ultrasound, pharmacological and non-pharmacological echo-stress and echocardiography with contrast medium) (total autonomy in these procedures).
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- 10.08.2016 successfully passed Certification Exam in Invasive cardiac electrophysiology Written assessment: EHRA certified electrophysiology specialist level 1 (ECES 1)
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- 23.3.2017 achievement of the title of AIAC Fellow (FAIAC)
- 
- November 2017 achievement of national qualification as Professor of Band II, VALID FROM 30/11/2017 TO 30/11/2023 (Article 16, paragraph 1, Law 240/10)
- 
- December 2017 successfully passed Certification Exam in Invasive cardiac electrophysiology Written assessment: EHRA certified electrophysiology specialist level 2 (ECES 2)

**List of Publication (author of 183 peer-reviewed articles in high impact international journals)**

1. Marchini F, Fiorio A, Sirugo P, Gamberini MR, Mari E, **Bertini M**,

- Malagù M. Heavy metal! Un caso di severo accumulo di ferro e aritmie sopraventricolari in paziente con talassemia major [Heavy metal! A case of severe iron overload and supraventricular arrhythmias in a thalassemia major patient]. *G Ital Cardiol (Rome)*. 2022 Jun;23(6):477-480. Italian. doi: 10.1714/3810.37945. PMID: 35674039.
2. Graziosi M, Ditaranto R, Rapezzi C, Pasquale F, Lovato L, Leone O, Parisi V, Potena L, Ferrara V, Minnucci M, Caponetti AG, Chiti C, Ferlini A, Gualandi F, Rossi C, Berardini A, Tini G, **Bertini M**, Ziacchi M, Biffi M, Galie N, Olivotto I, Biagini E. Clinical presentations leading to arrhythmogenic left ventricular cardiomyopathy. *Open Heart*. 2021 Apr;9(1):e001914. doi: 10.1136/openhrt-2021-001914. PMID: 35444050; PMCID: PMC9021777.
  3. Vitali F, Malagù M, Mele D, Rapezzi C, **Bertini M**. First case of pacemaker implantation in a patient with previous percutaneous edge-to-edge tricuspid valve repair. *HeartRhythm Case Rep*. 2021 Nov 18;8(2):133-136. doi: 10.1016/j.hrcr.2021.11.015. PMID: 35242554; PMCID: PMC8858754.
  4. Ziacchi M, Placci A, Angeletti A, Quartieri F, Balla C, Virzi S, **Bertini M**, De Ponti R, Biffi M, Boriani G, For Aiac Ricerca Investigators' Network. Vascular Accesses in Cardiac Stimulation and Electrophysiology: An Italian Survey Promoted by AIAC (Italian Association of Arrhythmias and Cardiac Pacing). *Biology (Basel)*. 2022 Feb 8;11(2):265. doi: 10.3390/biology11020265. PMID: 35205131; PMCID: PMC8869488.
  5. **Bertini M**, Mele D, Vitali F, Balla C, Malagù M. Management of macro-reentrant right atrial tachycardia around multiple leads aided by high-density mapping. *Rev Cardiovasc Med*. 2022 Jan 4;23(1):1. doi: 10.31083/j.rcm2301001. PMID: 35092193.
  6. **Bertini M**, Vitali F, Santini L, Tavoletta V, Giano A, Savarese G, Russo AD, Santobuono VE, Mattera A, Lavalle C, Amellone C, Pecora D, Calvanese R, Rapacciuolo A, Campari M, Valsecchi S, Calò L.

- Implantable defibrillator-detected heart failure status predicts atrial fibrillation occurrence. *Heart Rhythm*. 2022 May;19(5):790-797. doi: 10.1016/j.hrthm.2022.01.020. Epub 2022 Jan 20. PMID: 35066184.
7. Boriani G, Proietti M, **Bertini M**, Diemberger I, Palmisano P, Baccarini S, Biscione F, Bottoni N, Ciccaglioni A, Dal Monte A, Ferrari FA, Iacopino S, Piacenti M, Porcelli D, Sangiorgio S, Santini L, Malagù M, Stabile G, Imberti JF, Caruso D, Zoni-Berisso M, De Ponti R, Ricci RP, On Behalf Of Ri-Aiac Registry Investigators. Incidence and Predictor of Infections and All-Cause Death in Patients with Cardiac Implantable Electronic Devices: The Italian Nationwide RI-AIAC Registry. *J Pers Med*. 2022 Jan 11;12(1):91. doi: 10.3390/jpm12010091. PMID: 35055406; PMCID: PMC8780465.
  8. Malagù M, Marchini F, Fiorio A, Sirugo P, Clò S, Mari E, Gamberini MR, Rapezzi C, **Bertini M**. Atrial Fibrillation in  $\beta$ -Thalassemia: Overview of Mechanism, Significance and Clinical Management. *Biology (Basel)*. 2022 Jan 17;11(1):148. doi: 10.3390/biology1101014. PMID: 35053146; PMCID: PMC8772694.
  9. Cereda A, Toselli M, Palmisano A, Vignale D, Khokhar A, Campo G, **Bertini M**, Loffi M, Andreini D, Pontone G, Patelli G, Sangiorgi GM, Tumminello G, Elia M, Iacovoni A, Carugo S, Rapezzi C, Colombo A, Giannini F, Esposito A. Coronary calcium score as a predictor of outcomes in the hypertensive Covid-19 population: results from the Italian (S) Core-Covid-19 Registry. *Hypertens Res*. 2022 Feb;45(2):333-343. doi: 10.1038/s41440-021-00798-9. Epub 2021 Nov 18. PMID: 34789917; PMCID: PMC8598930.
  10. Palmisano P, Ziacchi M, Angeletti A, Guerra F, Forleo GB, **Bertini M**, Notarstefano P, Accogli M, Lavalle C, Bisignani G, Landolina M, Zanotto G, D'Onofrio A, Ricci RP, De Ponti R, Boriani G. The Practice of Deep Sedation in Electrophysiology and Cardiac Pacing Laboratories: Results of an Italian Survey Promoted by the AIAC (Italian Association of Arrhythmology and Cardiac Pacing). *J Clin*

Med. 2021 Oct 28;10(21):5035. doi: 10.3390/jcm10215035. PMID: 34768557; PMCID: PMC8584354.

11. **Bertini M**, D'Aniello E, Di Ienno L, Gibiino F, Tavazzi G, Volta CA, Contoli M, Papi A, Campo G, Ferrari R, Rapezzi C. Phenotypic heterogeneity of COVID-19 pneumonia: clinical and pathophysiological relevance of the vascular phenotype. *ESC Heart Fail.* 2022 Feb;9(1):263-269. doi: 10.1002/ehf2.13602. Epub 2021 Nov 10. PMID: 34755468; PMCID: PMC8652942.
12. Balla C, Mele D, Vitali F, Andreoli C, Tonet E, Sanchini M, Ferlini A, Rapezzi C, Gualandi F, **Bertini M**. Novel *SCN5A* Variant Shows Multiple Phenotypic Expression in the Same Family. *Circ Genom Precis Med.* 2021 Dec;14(6):e003481. doi: 10.1161/CIRCGEN.121.003481. Epub 2021 Nov 9. PMID: 34749512; PMCID: PMC8694256.
13. Balla C, De Raffe M, Deserio MA, Sanchini M, Farnè M, Trabanelli C, Ragni L, Biffi M, Ferlini A, Rapezzi C, Gualandi F, **Bertini M**. Left Ventricular Myocardial Noncompaction with Advanced Atrioventricular Conduction Disorder and Ventricular Arrhythmias in a Young Patient: Role of MIB1 Gene. *J Cardiovasc Dev Dis.* 2021 Sep 9;8(9):109. doi: 10.3390/jcdd8090109. PMID: 34564127; PMCID: PMC8468736.
14. Rapacciuolo A, Iacopino S, D'Onofrio A, Curnis A, Pisanò EC, Biffi M, Della Bella P, Dello Russo A, Caravati F, Zanotto G, Calvi V, Rovaris G, Senatore G, Nicolis D, Santamaria M, Giammaria M, Maglia G, Duca A, Ammirati G, Romano SA, Piacenti M, Celentano E, Bisignani G, Vaccaro P, Miracapillo G, **Bertini M**, Nigro G, Giacomelli D, Gargaro , Bisceglia C. Cardiac resynchronization therapy defibrillators in patients with permanent atrial fibrillation. *ESC Heart Fail.* 2021 Dec;8(6):5204-5212. doi: 10.1002/ehf2.13599. Epub 2021 Sep 12. PMID: 34514741; PMCID: PMC8712818.
15. Malagù M, Vitali F, Brieda A, Cimaglia P, De Raffe M, Tazzari E,



- Musolino C, Balla C, Serenelli M, Cultrera R, Rapezzi C, **Bertini M**. Antibiotic prophylaxis based on individual infective risk stratification in cardiac implantable electronic device: the PRACTICE study. *Europace*. 2022 Mar 2;24(3):413-420. doi: 10.1093/europace/euab222. PMID: 34487163; PMCID: PMC8892070
16. Cereda A, Toselli M, Palmisano A, Vignale D, Leone R, Nicoletti V, Gnasso C, Mangieri A, Khokhar A, Campo G, Scoccia A, **Bertini M**, Loffi M, Sergio P, Andreini D, Pontone G, Iannopollo G, Nannini T, Ippolito D, Bellani G, Patelli G, Besana F, Vignali L, Sverzellati N, Iannaccone M, Vaudano PG, Sangiorgi GM, Turchio P, Monello A, Tumminello G, Maggioni AP, Rapezzi C, Colombo A, Giannini F, Esposito A. The hidden interplay between sex and COVID-19 mortality: the role of cardiovascular calcification. *Geroscience*. 2021 Oct;43(5):2215-2229. doi: 10.1007/s11357-021-00409-y. Epub 2021 Jul 14. PMID: 34260010; PMCID: PMC8278366.
17. Balla C, Conte E, Selvatici R, Marsano RM, Gerbino A, Farnè M, Blunck R, Vitali F, Armaroli A, Brieda A, Liantonio A, De Luca A, Ferlini A, Rapezzi C, **Bertini M**, Gualandi F, Imbrici P. Functional Characterization of Two Novel Mutations in *SCN5A* Associated with Brugada Syndrome Identified in Italian Patients. *Int J Mol Sci*. 2021 Jun 17;22(12):6513. doi: 10.3390/ijms22126513. PMID: 34204499; PMCID: PMC8234720.
18. Trevisan F, **Bertini M**, Balla C, Pestelli G, Luisi A, Smarrazzo V, Farnè M, Ferlini A, Gualandi F, Mele D. Type 1 Brugada Pattern Is Associated With Echocardiography-Detected Delayed Right Ventricular Outflow Tract Contraction. *J Am Coll Cardiol*. 2021 Jun 8;77(22):2865-2867. doi: 10.1016/j.jacc.2021.03.334. PMID: 34082915
19. Malagù M, Vitali F, Marchini F, Fiorio A, Sirugo P, Mele D, Brieda A, Balla C, **Bertini M**. Ablation of Atrioventricular Nodal Re-Entrant Tachycardia Combining Irrigated Flexible-Tip Catheters and Three-Dimensional Electroanatomic Mapping: Long-Term Outcomes. *J*

Cardiovasc Dev Dis. 2021 May 25;8(6):61. doi: 10.3390/jcdd8060061. PMID: 34070511; PMCID: PMC8229404.

20. Sassone B, Virzì S, **Bertini M**, Pasanisi G, Manzoli L, Myers J, Grazzi C, Muser D. Impact of the COVID-19 lockdown on the arrhythmic burden of patients with implantable cardioverter-defibrillators. *Pacing Clin Electrophysiol*. 2021 Jun;44(6):1033-1038. doi: 10.1111/pace.14280. Epub 2021 May 28. PMID: 34022067; PMCID: PMC8207039.
21. Vitali F, Brieda A, Balla C, Pavasini R, Tonet E, Serenelli M, Ferrari R, Delise P, Rapezzi C, **Bertini M**. Standard ECG in Brugada Syndrome as a Marker of Prognosis: From Risk Stratification to Pathophysiological Insights. *J Am Heart Assoc*. 2021 *in press*.
22. Malagù M, Vitali F, Rizzo U, Brieda A, Zucchetti O, Verardi F, Guardigli G, **Bertini M**. Heart rate variability predicts competition performance in professional soccer players. *Hearts* 2021 *in press*
23. **Bertini M**, Vitali F, Malagù M, Rapezzi C. Atrial Flutter in Patient With Critical Coronavirus Disease–2019: Beneficial Effects of Rhythm Control on Respiratory Distress. *JACC Case Rep*. 2020 *in press*
24. **Bertini M**, Ferrari R, Rapezzi C. What Happened to Electrocardiogram as a Screening Test to Recognize Cardiovascular Complications in COVID-19 Patients? *J Am Coll Cardiol*. 2020 Dec 8;76(23):2799-2800. doi: 10.1016/j.jacc.2020.09.611. PMID: 33272378; PMCID: PMC7704066.
25. **Bertini M**, Ferrari R, Guardigli G, Malagù M, Vitali F, Zucchetti O, D'Aniello E, Volta CA, Cimaglia P, Piovaccari G, Corzani A, Galvani M, Ortolani P, Rubboli A, Tortorici G, Casella G, Sassone I, Navazio A, Rossi L, Aschieri D, Rapezzi C. Electrocardiographic features of 431 consecutive, critically ill COVID-19 patients: an insight into the mechanisms of cardiac involvement. *Europace*. 2020 Sep 18:euaa258. doi: 10.1093/europace/euaa258. Epub ahead of print. PMID: 32944767; PMCID: PMC7543398.

26. Boriani G, Palmisano P, Guerra F, **Bertini M**, Zanotto G, Lavallo C, Notarstefano P, Accogli M, Bisignani G, Forleo GB, Landolina M, D'Onofrio A, Ricci R, De Ponti R; AIAC Ricerca Network Investigators. Impact of COVID-19 pandemic on the clinical activities related to arrhythmias and electrophysiology in Italy: results of a survey promoted by AIAC (Italian Association of Arrhythmology and Cardiac Pacing). *Intern Emerg Med.* 2020 Nov;15(8):1445-1456. doi: 10.1007/s11739-020-02487-w. Epub 2020 Sep 5. PMID: 32889687; PMCID: PMC7474489.
27. Mele D, Trevisan F, Fiorencis A, Smarrazzo V, **Bertini M**, Ferrari F. Current role of echocardiography in cardiac resynchronization therapy: from cardiac mechanics to flow dynamics analysis. *Current Heart Failure Reports* 2020 in press
28. Armaroli A, Balla C, Trabanelli C, Selvatici R, Brieda A, Sette E, **Bertini M**, Mele D, Biffi M, Campo GC, Ferrari R, Ferlini A, Gualandi F. Lamin A/C Missense Mutation R216C Pinpoints Overlapping Features Between Brugada Syndrome and Laminopathies. *Circ Genom Precis Med.* 2020;13(2):e002751. doi:10.1161/CIRCGEN.119.002751
29. D'Onofrio A, **Bertini M**, Infusino T, D'Arienzo G, Cipolletta L, Bianchi V, Licciardello G, Savarese G, Russo G, Ricciardi D, Manz M, Fabbri F, Notarstefano P, Santini L, Campari M, Valsecchi S, Forleo GB. Single- and multi-site pacing strategies for optimal cardiac resynchronization therapy: impact on device longevity and therapy cost [published online ahead of print, 2020 Mar 17]. *J Interv Card Electrophysiol.* 2020;10.1007/s10840-020-00711-3. doi:10.1007/s10840-020-00711-3
30. Balla C, Brieda A, Righetto A, Vitali F, Malagù M, Cultrera R, **Bertini M**. Predictors of infection after “de novo” cardiac electronic device implantation. *Eur J Intern Med.* 2020 Jul;77:73-78. doi: 10.1016/j.ejim.2020.02.030. Epub 2020 Feb 29. PMID: 32127301.
31. Schmidt B, Brugada J, Arbelo E, Laroche C, Bayramova S, **Bertini**

- M**, Letsas KP, Pison L, Romanov A, Scherr D, Tilz RR, Maggioni A, Adragao P, Lund J, Haman L, Oliveira MM, Dagues N; AFA LT Investigators Group. Ablation strategies for different types of atrial fibrillation in Europe: results of the ESC-EORP EHRA Atrial Fibrillation Ablation Long-Term registry. *Europace*. 2019 Dec 10. pii: euz318. doi: 10.1093/europace/euz318.
32. Mele D, Smarrazzo V, Pedrizzetti G, **Bertini M**, Ferrari R. Intracardiac flow analysis in cardiac resynchronization therapy: A new challenge? *Echocardiography*. 2019 Oct;36(10):1919-1929. doi: 10.1111/echo.14477
33. Ng ACT, **Bertini M**, Ewe SH, van der Velde ET, Leung DY, Delgado V, Bax JJ. Defining Subclinical Myocardial Dysfunction and Implications for Patients With Diabetes Mellitus and Preserved Ejection Fraction. *Am J Cardiol*. 2019 Sep 15;124(6):892-898. doi: 10.1016/j.amjcard.2019.06.011.
34. **Bertini M**, Brieda A, Balla C, Pollastrelli A, Smarrazzo V, Francesco V, Malagù M, Ferrari R. Efficacy and safety of catheter ablation of atrioventricular nodal re-entrant tachycardia by means of flexible-tip irrigated catheters. *J Interv Card Electrophysiol*. 2019 Jun 24. doi: 10.1007/s10840-019-00578-z.
35. Biffi M, Ammendola E, Menardi E, Parisi Q, Narducci ML, De Filippo P, Manzo M, Stabile G, Potenza DR, Zanon F, Quartieri F, Rillo M, Saporito D, Zacà V, Berisso MZ, **Bertini M**, Tumietto F, Malacrida M, Diemberger I. Real-life outcome of implantable cardioverter-defibrillator and cardiac resynchronization defibrillator replacement/upgrade in a contemporary population: observations from the multicentre DECODE registry. *Europace*. 2019 Oct 1;21(10):1527-1536. doi: 10.1093/europace/euz166
36. Balla C, Malagu' M, Fabbian F, Guarino M, Zaraket F, Brieda A, Smarrazzo V, Ferrari R, **Bertini M**. Prognosis after pacemaker implantation in extreme elderly. *Eur J Intern Med*. 2019 Jul;65:37-43. doi: 10.1016/j.ejim.2019.04.020

37. Balla C, Vitali F, Brieda A, Gualandi F, Ferlini A, **Bertini M**, Ferrari R. Predictors of cardiac arrhythmic events in non coronary artery disease patients. *BMC Cardiovasc Disord.* 2019 May 2;19(1):104. doi: 10.1186/s12872-019-1083-6
38. **Bertini M**, Balla C, Malagù M, Ferrari R. New onset of chest pain: the importance of remote monitoring. *Eur Heart J Suppl.* 2019 Apr;21(Suppl C):C32-C36. doi:10.1093/eurheartj/suz036
39. Vitali F, Serenelli M, Airaksinen J, Pavasini R, Tomaszuk-Kazberuk A, Mlodawska E, Jaakkola S, Balla C, Falsetti L, Tarquinio N, Ferrari R, Squeri A, Campo G, **Bertini M**. CHA2DS2-VASc score predicts atrial fibrillation recurrence after cardioversion: Systematic review and individual patient pooled meta-analysis. *Clin Cardiol.* 2018 Dec 30. doi: 10.1002/clc.23147.
40. Tebaldi M, **Bertini M**, Ielasi A, Erriquez A, Baldetti L, Passarini G, Tespili M, Gallone G, Giannini F. [The coronary sinus Reducer: a new opportunity for refractory angina. Comparison between Italian experiences]. *G Ital Cardiol (Rome).* 2018 Dec;19(12):705-713. doi 10.1714/3027.30254
41. Glover BM, Hong KL, Dagues N, Arbelo E, Laroche C, Riahi S, **Bertini M**, Mikhaylov EN, Galvin J, Kiliszek M, Pokushalov E, Kautzner J, Calvo N, Blomström-Lundqvist C, Brugada J; ESC-EHRA Atrial Fibrillation Ablation Long-Term Registry investigator Impact of body mass index on the outcome of catheter ablation of atrial fibrillation. *Heart.* 2019 Feb;105(3):244-250. doi: 10.1136/heartjnl-2018-313490
42. Boriani G, **Bertini M**, Saporito D, Belotti G, Quartieri F, Tomasi C, Pucci A, Boggian G, Mazzocca GF, Giorgi D, Diotallevi P, Sassone B, Grassini D, Gargaro A, Biffi M; ESSENTIAL Investigators. Impact of pacemaker longevity on expected device replacement rate results from computer simulations based on a Multicenter Registry (ESSENTIAL). *Clin Cardiol.* 2018 Jun 23. doi: 10.1002/clc.23003
43. Ng ACT, Prevedello F, Dolci G, Roos CJ, Djaberi R, **Bertini**

- M**, Ewe SH, Allman C, Leung DY, Marsan NA, Delgado V, Bax JJ. Impact of Diabetes and Increasing Body Mass Index Category on Left Ventricular Systolic and Diastolic Function. *J Am Soc Echocardiogr*. 2018 Aug;31(8):916-925. doi: 10.1016/j.echo.2018.02.012.
44. **Bertini M**, Balla C, Pavasini R, Boriani G. Efficacy of cardiac resynchronization therapy in patients with isolated ventricular noncompaction with dilated cardiomyopathy: a systematic review of the literature. *J Cardiovasc Med* 2018 Jul;19(7):324-328
45. Di Vece F, Tombesi P, Bianchi L, **Bertini M**, Sartori S. Contrast-enhanced ultrasonography of post-interventional hematoma: the bleeding mushroom is growing inside. *J Med Ultrason (2001)*. 2018 Feb 16. doi: 10.1007/s10396-018-0871-4
46. Malagù M; Zaraket F; Gualandi F; Ferlini A; Brieda A; Vitali F; Del Franco A; Balla C; Fucili A; Ferrari R, **Bertini M**. Attualità e nuove prospettive in tema di cardiogenetica. *G Ital Cardiol (Rome)*. 2018 Feb;19(2):91-100.
47. Fabbian F, De Giorgi A, Guarino M, Malagù M, **Bertini M**. Impact of chronic kidney disease on mortality in older adults treated with pacemaker implantation. *J Geriatr Cardiol*. 2017 Oct;14(10):597-603.
48. Narducci ML, Biffi M, Ammendola E, Vado A, Campana A, Potenz DR, Iori M, Zanon F, Zacà V, Zoni Berisso M, **Bertini M**, Lissoni F, Bandini A, Malacrida M, Crea F. Appropriate implantable cardioverter-defibrillator interventions in cardiac resynchronization therapy-defibrillator (CRT-D) patients undergoing device replacement: time to downgrade from CRT-D to CRT-pacemaker? Insights from real-world clinical practice in the DECODE CRT-D analysis. *Europace*. 2017 Nov 27. doi: 10.1093/europace/eux323.
49. Biffi M, Menardi E, Narducci ML, Ammendola E, Messano L, Giofrè F, Baiocchi C, Saporito D, Lissoni F, **Bertini M**, Pierantozzi A, Zingarini G, Malacrida M, Ziacchi M. Manufacturer change and

risk of system-related complications after implantable cardioverter defibrillator replacement: physicians' survey and data from the Detection of Long-term Complications After Implantable Cardioverter Defibrillator Replacement Registry. *J Cardiovasc Med (Hagerstown)* 2017 Dec;18(12):968-975. doi: 10.2459/JCM.0000000000000572

50. Ng ACT, Prihadi EA, Antoni ML, **Bertini M**, Ewe SH, Ajmone Marsan N, Leung DY, Delgado V, Bax JJ. Left ventricular global longitudinal strain is predictive of all-cause mortality independent of aortic stenosis severity and ejection fraction. *Eur Heart J Cardiovasc Imaging*. 2017 Jul 28. doi: 10.1093/ehjci/jex189. in press
51. Mele D, Luisi GA, Malagù M, Laterza A, Ferrari R, **Bertini M**. Echocardiographic evaluation of cardiac dyssynchrony: Does it still matter? *Echocardiography*. 2018 May;35(5):707-715. doi: 10.1111/echo.13902.
52. Mele D, **Bertini M**, Malagù M, Nardoza, Ferrari R. Current role of echocardiography in cardiac resynchronization therapy. *Heart Fail Rev*. 2017. doi: 10.1007/s10741-017-9636-1
53. Mele D, Malagù M, Nardoza M, Leonetti E, Fragale C, Rondinella A, Ferrari R, **Bertini M**. Left ventricle lead position guided by parametric strain echocardiography improves response to cardiac resynchronization therapy. *J Am Soc Echocardiogr*. 2017 Oct;30(10):1001-1011
54. Sassone B, **Bertini M**, Beltrami M, Malagù M, Pasanisi G, Kwornu EA, Avigni N, Fucà G, Pacchioni F, Minarelli M, Bacchi Reggiani L, Padeletti L. Relation of QRS Duration to Response to Cardiac Resynchronization Therapy in Patients with Left Bundle Branch Block. *Am J Cardiol* 2017; 119(11):1803-1808.
55. Del Franco A, Gualandi F, Malagù M, Ferlini A, Xiao D, Ferrari R, **Bertini M** A clinical case of catecholaminergic polymorphic ventricular tachycardia: the clinical suspicion and the need of Genetics. *Cardiology* 2017 138(2):69-72.

56. Gualandi F, Zaraket F, Malagù M, Parmeggiani G, Trabanelli C, Fini S, Dang X, Wei X, Fang M, **Bertini M**, Ferrari R, Ferlini A. MUTATION LOAD OF MULTIPLE ION CHANNEL GENE MUTATIONS IN BRUGADA SYNDROME. *Cardiology*. 2017 May 12;137(4):256-260.
57. Ferrari R, Balla C, Malagù M, Guardigli G, Morciano G, **Bertini M**, Biscaglia S, Campo G. Reperfusion Damage- A Story of Success, Failure, and Hope. *Circ J* 2016; 81(2):131-141.
58. Malagù M, Trevisan F, Scalone A, Marcantoni L, Sammarco G, **Bertini M**. Frequency of "Pocket" Hematoma in Patients Receiving Vitamin K Antagonist and Antiplatelet Therapy at the time of Pacemaker Or Cardioverter Defibrillator Implantation (From the POCKET Study). *Am J Cardiol* 2017; 119(7):1036-1040
59. **Bertini M**, Malagù M, Mele D. Response letter to the research letter number EURJHF-16-940-JB entitled: "Guided left ventricular lead placement for cardiac resynchronisation therapy - an opportunity for image integration". *Eur J Heart Fail* 2016 19(3):435
60. Tombesi P, Di Vece F, Rinaldi S, **Bertini M**, Sartori S. Hemorrhagic cardiac tamponade after percutaneous laser ablation of a liver metastasis in segment II. *Hepatoma Research* 2016; 2: 193-6
61. Malagù M, Ferri A, Mancuso O, Trevisan F, Nardoza M, **Bertini M**. Implantable cardioverter defibrillator management: an update. *Future Cardiology* 2016 Nov;12(6):673-688
62. **Bertini M**, Mele D, Malagù M, Fiorencis A, Toselli T, Casadei F, Cannizzaro T, Fragale C, Fucili A, Campagnolo E, Benea G, Ferrari R. Cardiac resynchronization therapy guided by multimodality cardiac imaging. *Eur J Heart Fail* 2016 Nov;18(11):1375-1382.
63. Biffi M, **Bertini M**, Saporito D, Belotti G, Quartieri F, Piancastelli



- M, Pucci A, Boggian G, Mazzocca GF, Giorgi D, Diotallevi P, Diemberger I, Martignani C, Pancaldi S, Ziacchi M, Marcantoni L, Toselli T, Attala S, Iori M, Bottoni N, Argnani S, Tomasi C, Sassone B, Boriani G. Automatic management of atrial and ventricular stimulation in a contemporary unselected population of pacemaker recipients: the ESSENTIAL Registry. *Europace* 2016 Oct;18(10):1551-1560.
64. Ferrari R, Biscaglia S, Malagù M, **Bertini M**, Campo G. Can We Improve Myocardial Protection during Ischaemic Injury? *Cardiology* 2016;135(1):14-26
65. Malagù M, Toselli T, **Bertini M**. Single lead catheter of implantable cardioverter-defibrillator with floating atrial sensing dipole implanted via persistent left superior vena cava. *World Journal of Cardiology* 2016 Apr 26;8(4):323-6
66. Ziacchi M, Saporito D, Zardini M, Luzi M, Quartieri F, Morgagni G, De Maria E, **Bertini M**, Carinci V, Boriani G, Biffi M. Left Ventricular Reverse Remodeling Elicited by a Quadripolar Lead: Results from the Multicenter Per4mer Study. *Pacing Clin Electrophysiol.* 2016 Mar;39(3):250-60
67. Leonetti E, Malagu' M, **Bertini M**. An Emergent Echo-Guided Apical Pericardiocentesis for Cardiac Tamponade in a Patient with only the Left Lung. *Heart Res Open J.* 2015; 2(4): 131-133.
68. **Bertini M**, Marcantoni L, Groccia R, Casadei F, Malagu' M, Mancuso O, Tiziano T. Non-invasive management of high defibrillation threshold in patient with implantable cardioverter-defibrillator. *J Hear Health* 2015 1 (4): doi <http://dx.doi.org/10.16966/2379-769X.115>
69. Ferrari R, **Bertini M**, Blomstrom-Lundqvist C, Dobrev D, Kirchhof P, Pappone C, Ravens U, Tamargo J, Tavazzi L, Vicedomini GG. An update on atrial fibrillation in 2014: From pathophysiology to treatment. *Int J Cardiol.* 2015;203:22-29
70. Spadaro S, Saturni S, Cadorin D, Colamussi MV, **Bertini M**, Galeotti R, Cappato R, Ravenna F and Volta CA. An unusual case

of acute respiratory failure in a patient with pulmonary veins stenosis late after catheter ablation of atrial fibrillation: a case report and the review of the literature. *BMC Pulmonary Medicine* 2015 Oct 24;15:128

71. **Bertini M**, Marcantoni L, Toselli T, Ferrari R. Remote monitoring of implantable devices: should we continue to ignore it? *Int J Cardiol* 2016 Jan 1;202:368-77
72. Ng AC, Kong WK, Kamperidis V, **Bertini M**, Antoni ML, Leung DY, Marsan NA, Delgado V, Bax JJ. Anaemia in patients with aortic stenosis: influence on long-term prognosis. *Eur J Heart Fail.* 2015 Oct;17(10):1042-9.
73. Sassone B. **Bertini M**. Reply: To PMID 25465934. *Am J Cardiol* 2015; 115(12):1781-2.
74. Sassone B, Gambetti S, **Bertini M**, Beltrami M, Mascioli G, Bressan S, Fuca' G, Pacchioni F, Pedaci M, Michelotti F, Bacchi Reggiani L, Padeletti L. Relation of QRS Duration to Response to Cardiac Resynchronization Therapy. *Am J Cardiol* 2015;115:214-19
75. Mele D, **Bertini M**, D'Andrea A, Fiorencis A, Malagù M, Casadei F, De Marco E, Galderisi M, Nistri S; nome del Gruppo di Studio di Ecocardiografia della Società Italiana di Cardiologia. Is echocardiography still helpful in cardiac resynchronization therapy? *G Ital Cardiol (Rome)*. 2015 Jun;16(6):344-60. doi: 10.1714/1934.21030.
76. Ziacchi M, Diemberger I, Biffi M, Martignani C, **Bertini M**, Rocchi G, Biagini E, Graziosi M, Mazzotti A, Rapezzi C, Boriani G. Predictors of nonsimultaneous interventricular delay at cardiac resynchronization therapy optimization. *J Cardiovasc Med* 2016 Apr;17(4):299-305
77. Santoro A, Alvino F, Antonelli G, Cameli M, **Bertini M**, Molle R, Mondillo S. Left Ventricular Strain Modifications after Maximal Exercise in Athletes: A Speckle Tracking Study. *Echocardiography* 2015 Jun;32(6):920-7

78. Marcantoni L, Toselli T, Urso G, Pratola C, Ceconi C, **Bertini M**. Impact of Remote Monitoring on the Management of Arrhythmias in patients with Implantable Cardioverter-Defibrillator. *J Cardiovasc Med* 2015 Nov;16(11):775-81
79. Boriani G, Berti E, Belotti LM, Biffi M, Carboni A, Bandini A, Casali E, Tomasi C, Toselli T, Baraldi P, Bottoni N, Barbato G, Sassone B; RERAI (Registry of Emilia Romagna on Arrhythmia Interventions) Investigators (**Bertini M**). Cardiac resynchronization therapy: implant rates, temporal trends and relationships with heart failure epidemiology. *J Cardiovasc Med* 2014;15(2):147-54.
80. Abate E, Hoogslag GE, Leong DP, **Bertini M**, Antoni ML, Nucifora G, Joyce E, Holman ER, Siebelink HM, Schalij MJ, Bax JJ, Delgado V, Ajmone Marsan N. Association between Multilayer Left Ventricular Rotational Mechanics and the Development of Left Ventricular Remodeling after Acute Myocardial Infarction. *J Am Soc Echocardiogr.* 2014; 27(3):239-48
81. Auger D, Hoke U, Ajmone Marsan N, Tops L, Leong D, **Bertini M**, Schalij M, Bax J, Delgado V. Effect of induced LV dyssynchrony by right ventricular apical pacing on all-cause mortality and heart failure hospitalization rates at long-term follow-up. *J Cardiovasc Electrophysiol* 2014; 6:631-7
82. Biffi M, **Bertini M**, Ziacchi M, Diemberger I, Martignani C, Boriani G. Left ventricular lead stabilization to retain cardiac resynchronization therapy at long term: when is it advisable? *Europace* 2014;16(4): 533-40
83. Malagù M, Marcantoni L, Scalone A, Toselli T, Pratola P, **Bertini M**. A migrant left ventricular lead. *J Cardiovasc Med* 2014 18(10):782-3.
84. **Bertini M**, Hoke U, van Bommel RJ, Ng ACT, Shanks M, Nucifora G, Auger D, Borleffs CJW, van Rijnsoever EPM, van Erven L, Schalij MJ, Ajmone Marsan N, Bax JJ, Delgado V.

- Impact of clinical and echocardiographic response to cardiac resynchronization therapy on long-term survival. *Eur Heart J Cardiovasc Imaging*. 2013; 14(8): 774-81
85. **Bertini M**, Toselli T, Pratola C. Correspondence “Left ventricular pacing rate lower than expected during manual pacing threshold test in a biventricular defibrillator”. *Europace* 2013; 15(4): 613.
86. **Bertini M**, Schalij MJ, Bax JJ, Delgado V. Emerging role of multimodality imaging to evaluate patients at risk for sudden cardiac death. *Circ Cardiovasc Imaging*. 2012;5(4):525-35
87. Nucifora G, **Bertini M**, Ajmone Marsan N, Scholte AJ, Siebelink HM, Holman ER, Schalij MJ, van der Wall EE, Bax JJ, Delgado V. Temporal evolution of left ventricular dyssynchrony after myocardial infarction: relation with changes in left ventricular systolic function. *Eur Heart J Cardiovasc Imaging*. 2012;13(12):1041-6.
88. **Bertini M**, Ng AC, Antoni ML, Nucifora G, Ewe SH, Auger D, Ajmone Marsan N, Schalij MJ, Bax JJ, Delgado V. Global Longitudinal Strain Predicts Long-Term Survival in Patients with Chronic Ischemic Cardiomyopathy. *Circ Cardiovasc Imaging*. 2012; 5(3):383-91
89. Auger D, Bleeker GB, **Bertini M**, Ewe SH, van Bommel RJ, Witkowski TG, Ng AC, van Erven L, Schalij MJ, Bax JJ, Delgado V. Effect of cardiac resynchronization therapy in patients without left intraventricular dyssynchrony. *Eur Heart J* 2012; 33(7):913-20.
90. Ng AC, Auger D, Delgado V, van Elderen SG, **Bertini M**, Siebelink HM, van der Geest RJ, Bonetti C, van der Velde ET, de Roos A, Smit JW, Leung DY, Bax JJ, Lamb HJ. Association Between Diffuse Myocardial Fibrosis by Cardiac Magnetic Resonance Contrast-Enhanced T1 Mapping and Subclinical Myocardial Dysfunction in Diabetic Patients: A Pilot Study. *Circ Cardiovasc Imaging*. 2012;5(1):51-9

91. Shanks M, Antoni ML, Hoke U, **Bertini M**, Ng AC, Auger D, Marsan NA, van Erven L, Holman ER, Schalij MJ, Bax JJ, Delgado V. The effect of cardiac resynchronization therapy on left ventricular diastolic function assessed with speckle-tracking echocardiography. *Eur J Heart Fail.* 2011;13(10):1133-9.
92. Ng AC, Yiu KH, Ewe SH, van der Kley F, **Bertini M**, de Weger A, de Roos A, Leung DY, Schuijff JD, Schalij MJ, Bax JJ, Delgado V. Influence of left ventricular geometry and function on aortic annular dimensions as assessed with multi-detector row computed tomography: implications for transcatheter aortic valve implantation. *Eur Heart J.* 2011 32(22):2806-13.
93. Biffi M, Ziacchi M, **Bertini M**, Gardini B, Mazzotti A, Massaro G, Martignani C, Diemberger I, Boriani G, Corsini D. How to truly value implantable cardioverter-defibrillators technology: Up-front cost or daily cost? *Int J Technol Assess Health Care.* 2011 Jul;27(3):201-6.
94. Auger D, **Bertini M**, Marsan NA, Hoke U, Ewe SH, Thijssen J, Witkowski TG, Yiu KH, Ng AC, van der Wall EE, Schalij MJ, Bax JJ, Delgado V. Prediction of Response to Cardiac Resynchronization Therapy Combining Two Different Three-Dimensional Analyses of Left Ventricular Dyssynchrony. *Am J Cardiol.* 2011; 108(5):711-7.
95. Biffi M, **Bertini M**, Ziacchi M, Gardini B, Mazzotti A, Massaro G, Diemberger I, Martignani C, Valzania C, Boriani G. Management of Phrenic Stimulation in CRT Patients over the Long Term: Still an Unmet Need ? *Pacing Clin Electrophysiol.* 2011;34:1201-1208.
96. van Bommel RJ, Ypenburg C, Mollema SA, Borleffs CJ, Delgado V, **Bertini M**, Marsan NA, van der Wall EE, Schalij MJ, Bax JJ. Site of latest activation in patients eligible for cardiac resynchronization therapy: Patterns of dyssynchrony among different QRS configurations and impact of heart failure etiology.

97. den Uijl DW, Delgado V, **Bertini M**, Tops LF, Trines SA, Van de Veire NRL, Zeppenfeld K, Schalij MJ, Bax JJ. Impact of left atrial fibrosis on the outcome of catheter ablation for atrial fibrillation. *Heart* 2011; 97(22):1847-51.
98. Ng AC, Delgado V, **Bertini M**, Antoni ML, van Bommel RJ, van Rijnsoever EP, van der Kley F, Ewe SH, Witkowski T, Auger D, Nucifora G, Schuijf JD, Poldermans D, Leung DY, Schalij MJ, Bax JJ. Alterations in multidirectional myocardial functions in patients with aortic stenosis and preserved ejection fraction: a two-dimensional speckle tracking analysis. *Eur Heart J. 2011; 32(12):1542-50.*
99. **Bertini M**, Ng AC, Delgado V, Bax JJ. Reply to the letter by Lin et al "Longitudinal mechanics of the periinfarct zone and ventricular tachycardia inducibility in patients with chronic ischemic cardiomyopathy". *Am Heart J. 2011 Apr;161(4):e19*
100. Shanks M, Delgado V, Ng ACT, Auger D, Mooyart EAQ, **Bertini M**, Ajmone Marsan N, van Bommel RJ, Holman ER, Poldermans D, Schalij MJ, Bax JJ. Clinical and echocardiographic predictors of nonresponse to cardiac resynchronization therapy. *Am Heart J 2011; 161(3):552-7.*
101. **Bertini M**, Ziacchi M, Biffi M, Biagini E, Rocchi G, Martignani C, Ferlito M, Pasquale F, Cervi E, Branzi A, Rapezzi C, Boriani G. Effects of cardiac resynchronization therapy on dilated cardiomyopathy with isolated ventricular non-compaction. *Heart* 2011;97(4):295-300
102. Ng AC, Delgado V, Djaberi R, Schuijf JD, Boogers MJ, Auger D, **Bertini M**, de Roos A, van der Meer RW, Lamb HJ, Bax JJ. Multimodality imaging in diabetic heart disease. *Curr Probl Cardiol. 2011 Jan;36(1):9-47.*
103. Witkowski TG, ten Brinke EA, Delgado V, Ng ACT, **Bertini M**, Ajmone Marsan N, Ewe SH, Auger D, Yiu KH, Braun

- J, Klein P, Steendijk P, Versteegh MIM, Klautz RJ, Bax JJ. Surgical Ventricular Restoration for Patients with Ischemic Heart Failure: Determinants of Two-year Survival. *Ann Thorac Surg.* 2011;91(2):491-8
104. Biffi M, **Bertini M**, Mazzotti A, Gardini B, Mantovani V, Ziacchi M, Valzania C, Martignani C, Diemberger I, Boriani G. Long-Term RV Threshold Behavior by Automated Measurements: Safety is the Standpoint of Pacemaker Longevity! *Pacing and Clin Electrophysiol* 2011; 34: 89-95
105. Brandts A, **Bertini M**, van Dijk EJ, Delgado V, Ajmone Marsan N, Siebelink HM, de Roos A, Bax JJ, Westenberg JJM. Left ventricular diastolic function assessment from three-dimensional three-directional velocity-encoded MRI with retrospective valve tracking. *J Magn Reson Imaging.* 2011 Feb;33(2):312-9
106. Delgado V, van Bommel RJ, **Bertini M**, Borleffs CJW, Ajmone Marsan N, Nucifora G, van de Veire NRL, Ypenburg C, Holman ER, van der Wall EE, Schalij MJ, Bax JJ. Relative merits of left ventricular dyssynchrony, left ventricular lead position and myocardial scar to predict long-term survival of ischemic heart failure patients undergoing cardiac resynchronization therapy. *Circulation* 2011; 123: 70-78
107. Ziacchi M, **Bertini M**, Biffi M, Martignani C, Diemberger I, Cervi E, Valzania C, Mazzotti A, Gardini B, Massaro G, Moschini C, Mantovani V, Marziali A, Boriani G. L'ottimizzazione degli intervalli AV e VV nei pazienti con device biventriolare: revisione della letteratura e contributo sperimentale. *Giac* 2010; 13: 208-16.
108. Ng ACT, Delgado V, **Bertini M**, van der Meer RW, Rijzewijk LJ, Ewe SH, Siebelink HM, Smit JWA, Diamant M, Romijn JA, de Roos A, Leung DY, Lamb HJ, Bax JJ. Myocardial Steatosis and Biventricular Strain and Strain Rate Imaging in

Patients with Type 2 Diabetes Mellitus. *Circulation* 2010; 122(24):2538-44.

109. van Bommel RJ, Tanaka H, Delgado V, **Bertini M**, Borleffs CJ, Ajmone Marsan N, Holzmeister J, Ruschitzka F, Schalij MJ, Bax JJ, Gorcsan J 3<sup>rd</sup>. Association of intraventricular mechanical dyssynchrony with response to cardiac resynchronization therapy in heart failure patients with a narrow QRS complex. *Eur Heart J*. 2010; 31(24):3054-62.
110. **Bertini M**, Ng ACT, Borleffs CJW, Delgado V, Boersma E, Piers SRD, Thijssen J, Nucifora G, Shanks M, Ewe SH, Biffi M, Van de Veire NRL, Leung DY, Schalij MJ, Bax JJ. Predictors of Death and Occurrence of Appropriate Implantable Defibrillator Therapies in Patients With Chronic Ischemic Cardiomyopathy. *Am J Cardiol* 2010; 106(11): 1566-73.
111. **Bertini M**, Delgado V, Nucifora G, Ajmone Marsan N, Ng ACT, Shanks M, Antoni ML, van de Veire NRL, van Bommel RJ, Rapezzi C, Schalij MJ, Bax JJ. Left ventricular rotational mechanics in patients with coronary artery disease: differences in subendo- and subepicardial layers. *Heart* 2010; 96(21): 1737-43.
112. Auger D, van Bommel RJ, **Bertini M**, Delgado V, Ng ACT, Ewe SH, Shanks M, Ajmone Marsan N, Mooyaart EAQ, Witkoski T, Poldermans D, Schalij MJ, Bax JJ. Prevalence and characteristics of patients with clinical improvement but not significant left ventricular reverse remodeling after cardiac resynchronization therapy. *Am Heart J* 2010;160 (4): 737-43
113. Nucifora G, Delgado V, **Bertini M**, Ajmone Marsan N, Van de Veire NRL, Ng ACT, Siebelink HM, Schalij MJ, Holman ER, Sengupta PP, Bax JJ. Left Ventricular Muscle and Fluid Mechanics in Acute Myocardial Infarction. *Am J Cardiol* 2010;106:1404-09
114. van Bommel RJ, Ajmone Marsan N, Koppen H, Delgado V, Borleffs CJW, Ypenburg C, **Bertini M**, Schalij MJ, Bax JJ.



Effect of Cardiac Resynchronization Therapy on Cerebral Blood Flow. *Am J Cardiol* 2010;106(1):73-7

115. Boriani G, Diemberger I, Valzania C, Biffi M, Martignani C, Raschi E, Mantovani V, Ziacchi M, **Bertini M**, De Ponti F, Branzi A. Role of drugs and devices in patients at risk of sudden cardiac death. *Fundam Clin Pharmacol*. 2010; 24(5):575-94
116. van Bommel RJ, van Rijnsoever EP, Borleffs CJW, Delgado V, Ajmone Marsan N, **Bertini M**, Schalij MJ, Bax JJ. Effects of Cardiac Resynchronization Therapy in Patients with New York Heart Association Functional Class IV Heart Failure. *Am J Cardiol* 2010;106: 1146-51
117. Abdulrahman RM, Delgado V, Ng A, Ewe SH, **Bertini M**, Holman ER, Hovens GC, Pereira AM, Romijn JA, Bax JJ, Smit JW. Abnormal cardiac contractility in long term exogenous subclinical hyperthyroid patients as demonstrated by two-dimensional echocardiography speckle tracking imaging. *Eur J Endocrinol*. 2010; 163(3):435-41.
118. Shanks M, Delgado V, Ng ACT, van der Kley F, Schuijf JD, Boersma E, van de Veire NRL, Nucifora G, **Bertini M**, de Roos A, Kroft L, Schalij MJ, Bax JJ. Mitral Valve Morphology Assessment: Three-dimensional Transesophageal Echocardiography versus Computed Tomography. *Ann Thorac Surg*. 2010; 90(6):1922-9.
119. **Bertini M**, Ng ACT, Borleffs CJW, Delgado V, Wijnmaalen AP, Nucifora G, Ewe SH, Shanks M, Thijssen J, Zeppenfeld K, Biffi M, Leung DY, Schalij MJ, Bax JJ. Longitudinal Mechanics of the Peri-infarct Zone and Ventricular Tachycardia Inducibility in Patients with Chronic Ischemic Cardiomyopathy. *Am Heart J* 2010; 160 (4): 729-36
120. van Bommel RJ, Mollema SA, Borleffs CJW, **Bertini M**, Ypenburg C, Ajmone Marsan N, Delgado V, van der Wall EE, Schalij MJ, Bax JJ. Impaired Renal Function is Associated with

Echocardiographic Non-response and Poor Prognosis after Cardiac Resynchronization Therapy *J Am Coll Cardiol* 2011 Feb 1;57(5):549-55

121. van Bommel RJ, Borleffs CJW, Ypenburg C, Ajmone Marsan N, Delgado V, **Bertini M**, van der Wall EE, Schalij MJ, Bax JJ. Morbidity and mortality in heart failure patients treated with cardiac resynchronization therapy: influence of pre-implantation characteristics on long-term outcome. *Eur Heart J* 2010; 31(22):2783-90.
122. Tops LF, Delgado V, **Bertini M**, Ajmone Marsan N, den Uijl DW, Trines SAIP, Zeppenfeld K, Holman ER, Schalij MJ, Bax JJ. Left Atrial Strain Predicts Reverse Remodeling after Catheter Ablation for Atrial Fibrillation. *J Am Coll Cardiol* 2011 18;57(3):324-31
123. Biffi M, **Bertini M**, Boriani G. Cardiac resynchronization therapy: is systole all that matters? *Europace* 2010; 12(9):1209-10.
124. Nucifora G, Ajmone Marsan N, **Bertini M**, Delgado V, Siebelink H-M J, van Werkhoven JM, Scholte AJ, Schalij MJ, van der Wall EE, Holman, ER, Bax JJ. Reduced Left Ventricular Torsion Early After Myocardial Infarction is Related to Left Ventricular Remodeling. *Circ Cardiovasc Imaging* 2010; 3(4): 433-42.
125. **Bertini M**, Borleffs JW, Delgado V, Ng ACT, Piers SRD, Shanks M, Antoni ML, Biffi M, Boriani G, Schalij MJ, Bax JJ, Van de Veire NRL. Prediction of atrial fibrillation in patients with implantable cardioverter-defibrillator and heart failure. *Eur J Heart Fail* 2010; 12(10):1101-10.
126. Delgado V, Mooyart E AQ, Ng ACT, Auger D, **Bertini M**, van Bommel RJ, Yiu K-H, Ewe SH, Witkoski TG, Ajmone Marsan N, Schuijf JD, van der Wall EE, Schalij MJ, Bax JJ. Echocardiography and non invasive imaging in cardiac

- resynchronization therapy. *Minerva Cardioangiol* 2010; 58 (3): 313-32.
127. Domenichini G, Diemberger I, Biffi M, Martignani C, Valzania, C, **Bertini M**, Saporito D, Ziacchi M, Branzi, A, Boriani G. Long-Term Follow-Up of Patients with Syncope Evaluated by Head-Up Tilt Test. *Annals of Noninvasive Electrocardiology* 2010; 15(2):101-6.
128. **Bertini M**, Delgado V, Nucifora G, Marsan NA, Ng ACT, Shanks M, van Bommel RJ, Borleffs CJW, Ewe SH, Boriani G, Biffi M, Schalij MJ, Bax JJ. Effect of Cardiac Resynchronization Therapy on Subendo- and Subepicardial Left Ventricular Twist Mechanics and Relation to Favorable Outcome. *Am J Cardiol* 2010;106(5): 682-7.
129. Shanks M , **Bertini M**, Delgado V, Ng ACT, Nucifora G, van Bommel RJ, Borleffs CJW, Holman ER, Van de Veire NRL, Schalij MJ, Bax JJ. Effect of Biventricular Pacing on Diastolic Dyssynchrony. *J Am Coll Cardiol* 2010; 56: 1567-1575.
130. Valzania C, Fallani F, Gavaruzzi G, Biffi M, Martignani C, Diemberger I, **Bertini M**, Domenichini G, Ziacchi M, Gadler F, Eriksson MJ, Braunschweig F, Franchi R, Branzi A, Rapezzi C, Boriani G. Radionuclide Angiographic Determination of Regional Left Ventricular Systolic Function during Rest and Exercise in Patients with Non-Ischemic Cardiomyopathy Treated with Cardiac Resynchronization Therapy. *Am J Cardiol* 2010; 106(3):389-94.
131. Antoni ML, **Bertini M**, Atary JZ, Delgado V, ten Brinke EA, Boersma E, Holman ER, van der Wall EE, Schalij MJ, Bax JJ, van de Veire NRL. Predictive Value of Total Atrial Conduction Time Estimated with Tissue Doppler Imaging for the Development of New-Onset Atrial Fibrillation after Acute Myocardial Infarction. *Am J Cardiol* 2010; 106(2): 198-203
132. **Bertini M**, Delgado V, den Uijl DW, Nucifora G, Ng ACT, van Bommel RJ, Borleffs CJW, Boriani G, Schalij MJ, Bax

- JJ. Prediction of cardiac resynchronization therapy response: value of calibrated integrated backscatter imaging. *Circ Cardiovasc Imaging* 2010 Jan;3(1):86-93
133. Biffi M, **Bertini M**, Saporito D, Ziacchi M, Frabetti L, Martignani C, Diemberger I, Boriani G. Actual Pacemaker Longevity: the Benefit of Stimulation by Automatic Capture Verification. *Pacing Clin Electrophysiol* 2010; 33(7):873-81.
134. **Bertini M**, Sengupta PP, Nucifora G, Delgado V, Ng ACT, Ajmone Marsan N, Shanks M, van Bommel RJ, SchaliJ MJ, Narula J, Bax JJ. Role of Left Ventricular Twist Mechanics in Heart Failure: Evolving Role in the Assessment of Cardiac Dyssynchrony. *JACC Cradiovasc Imaging* 2009; 2: 1425-1435.
135. ten Brinke EA, **Bertini M**, Klautz RJ, Antoni ML, Holman ER, Van de Veire NRL, Bax JJ, Steendijk P. Non-Invasive Estimation of Left Ventricular Filling Pressures in Heart Failure Patients after Surgical Ventricular Restoration and Restrictive Mitral Annuloplasty. *J Thorac Cardiovasc Surg.* 2010; 140(4):807-15.
136. van Bommel RJ, Claudia Ypenburg, Borleffs CJW, Delgado V, Ajmone Marsan N, **Bertini M**, Holman ER, SchaliJ MJ, Bax JJ. Value of Tissue Doppler Echocardiography in Predicting Response to Cardiac Resynchronization Therapy in Patients with Heart Failure. *Am J Cardiol* 2010; 105(8):1153-8.
137. Shanks M, Ng ACT, Van de Veire NRL, Antoni ML, **Bertini M**, Nucifora G, Delgado V, Holman ER, Choy JB, Leung DY, SchaliJ MJ, van der Wall EE, Bax JJ. Incremental Prognostic Value of the Novel Diastolic Indices for Prediction of Clinical Outcome in Patients with ST- Elevation Myocardial Infarction. *Am J Cardiol* 2010;105:592-97
138. Ng ACT, Delgado V, van der Kley F, Shanks M, Van de Veire NRL, **Bertini M**, Nucifora G, van Bommel RJ, Tops LF, de

- Weger A, Tavilla G, de Roos A, Kroft LJ, Leung DY, Schuijf J, Schalij MJ, Bax JJ. Comparison of Aortic Root Dimensions and Geometries Pre- and Post-Transcatheter Aortic Valve Implantation by 2- and 3-Dimensional Transesophageal Echocardiography and Multi-slice Computed Tomography. *Circ Cardiovasc Imaging* 2010 Jan;3(1):94-102
139. Nucifora G, Schuijf JD, Delgado V, **Bertini M**, Scholte AJHA, Ng ACT, van Werkhoven JM, Jukema JW, Holman ER, van der Wall EE, Bax JJ. Incremental Value of Subclinical Left Ventricular Systolic Dysfunction for the Identification of Patients with Obstructive Coronary Artery Disease. *Am Heart J* 2010; 159:148-157
140. **Bertini M**, Ajmone Marsan N, Delgado V, van Bommel RJ, Nucifora G, Borleffs CJ, Boriani G, Biffi M, Holman ER, van der Wall EE, Schalij MJ, Bax JJ. Effects of cardiac resynchronization therapy on left ventricular twist. *J Am Coll Cardiol* 2009; 54:1317-1325
141. **Bertini M**, Nucifora G, Marsan NA, Delgado V, Scholte A, Ng ACT, van Werkhoven JM, Siebelink HMJ, Holman ER, Schalij MJ, van der Wall EE, Bax JJ. Impact of Left Ventricular Dyssynchrony Early on Left Ventricular Function After First Acute Myocardial Infarction. *Am J Cardiol* 2009 2010 Feb 1;105(3):306-11.
142. Mollema SA, Delgado V, **Bertini M**, Antoni ML, Boersma E, Holman ER, Stokkel MP, Van der Wall EE, Schalij MJ, Bax JJ. Viability Assessment With Global Left Ventricular Longitudinal Strain Predicts Recovery of Left Ventricular Function After Acute Myocardial Infarction. *Circ Cardiovasc Imaging* 2010 Jan;3(1):15-23
143. **Bertini M**, Nucifora G, Ajmone Marsan N, Delgado V, van Bommel RJ, Boriani G, Biffi M, Holman ER, van der Wall EE, Schalij MJ, Bax JJ. Left ventricular rotational mechanics in

- acute myocardial infarction and in chronic (ischemic and non-ischemic) heart failure patients. *Am J Cardiol* 2009 103(11):1506-12.
144. **Bertini M**, Mollema SA, Delgado V, Antoni ML, Ng ACT, Holman ER, Boriani G, Schalij MJ, Bax JJ. Impact of Time to Reperfusion After Acute Myocardial Infarction on Myocardial Damage Assessed by Left Ventricular Longitudinal Strain. *Am J Cardiol* 2009 15;104(4):480-5
145. **Bertini M**, Valzania C, Biffi M, Martignani C, Ziacchi M, Pedri S, Domenichini G, Diemberger I, Saporito D, Rocchi G, Rapezzi C, Branzi A, Boriani G. Interventricular delay optimization: a comparison among three different echocardiographic methods. *Echocardiography* 2010; 27(1):38-43.
146. Rocchi G, **Bertini M**, Biffi M, Ziacchi M, Biagini E, Gallelli I Martignani C, Cervi E, Ferlito M, Rapezzi C, Branzi A, Boriani G Exercise Stress Echocardiography is Superior to Rest Echocardiography in Predicting Left Ventricular Reverse Remodeling and Functional Improvement after Cardiac Resynchronization Therapy. *Eur Heart J*. 2009 Jan; 30(1):89-97.
147. Biffi M, Moschini C, **Bertini M**, Saporito D, Ziachi M, Diemberger I, Valzania C, Domenichini G, Cervi E, Martignani C, Sangiorgi D, Branzi A, Boriani G. Phrenic Stimulation: A Challenge for Cardiac Resynchronization Therapy. *Circ Arrhythm Electrophysiol* 2009; 2:402-410
148. **Bertini M**, Delgado V, Bax JJ, Van de Veire NRL. Why, how and when do we need to optimize the setting of cardiac resynchronization therapy? *Europace* 2009;11: v46-v57
149. Boriani G, Biffi M, Martignani M, Valzania C, Diemberger I, **Bertini M**, Domenichini G, Ziacchi M, and Branzi A. Is cardiac resynchronization therapy cost-effective? *Europace* 2009;11 (5): v93-v97

150. Ajmone Marsan N, Bleeker GB, Van Bommel RJ, Borleffs JW, **Bertini M**, Holman ER, van der Wall EE, SchaliJ MJ, Bax JJ. Cardiac resynchronization therapy in patients with ischemic versus non-ischemic heart failure: differential effect of optimizing inter-ventricular pacing interval. *Am Heart J* 2009; 158:769-776.
151. Ng ACT, Stiges M, Pham PN, Tran DT, Delgado V, **Bertini M**, Nucifora G, Vidaic J, Allman C, Holman ER, Bax JJ, Leung DY. Incremental Value Of Two-Dimensional Speckle Tracking Strain Imaging To Wall Motion Analysis For Detection Of Coronary Artery Disease In Patients Undergoing Dobutamine Stress Echocardiography. *Am Heart J* 2009;158:836-844.
152. Ng ACT, Delgado V, **Bertini M**, Nucifora G, Shanks M, Ajmone Marsan N, Holman ER, Van de Veire NRL, Leung DY, BaxJJ. Advanced Applications of 3-Dimensional Echocardiography. *Minerva Cardioangiologica* 2009; 57(4):415-41.
153. **Bertini M**, Ziacchi M, Biffi M, Martignani C, Saporito D, Valzania C, Diemberger I, Cervi E, Frisoni J, Sangiorgi D, Branzi A, Boriani G. Interventricular Delay Interval Optimization in Cardiac Resynchronization Therapy Guided by Echocardiography Versus Guided by Electrocardiographic QRS Interval Width. *Am J Cardiol* 2008 Nov 15; 102 (10): 1373-7
154. **Bertini M**, Biffi M, Ziacchi M, Boriani G. Reply to Reader's comment: "Electrocardiographic Optimization of Cardiac Resynchronization Devices: Simple, but Not So Simple!" by Mont et al. *Am J Cardiol* 2009 103(11):1625-6
155. Delgado V, Tops LF, Trines SA, Zeppenfeld K, Ajmone Marsan N, **Bertini M**, Holman ER, SchaliJ MJ, Bax JJ. Acute effects of right ventricular apical pacing on left ventricular synchrony and mechanics. *Circ Arrhythm Electrophysiol* 2009;2:135-145
156. Boriani G, **Bertini M**, Diemberger I, Biffi M, Martignani

- C. The QRS interval in patients treated with resynchronization therapy: which value? *Eur J Heart Fail.* 2009 Jul;11(7):635-7.
157. Biffi M, **Bertini M**, Saporito D, Ziacchi M, Stabellini S, Valsecchi S, Ricci V, Boriani G. Automatic Management of Left Ventricular Stimulation: Hints for Technologic Improvement. *Pacing Clin Electrophysiol* 2009; 32:346–353.
158. Ng CTA, Delgado V, **Bertini M**, van der Meer RW, Rijzewijk LJ, Smit JWA, Diamant M, Romijn JA, de Roos A, Leung DY, LambHJ, Bax JJ. Findings from left ventricular strain and strain rate imaging in asymptomatic patients with type 2 diabetes mellitus. *Am J Cardiol* 2009;104:1398-1401
159. Martignani C, Diemberger I, Biffi M, Ziacchi M, Saporito D, Valzania C, **Bertini M**, Domenichini G, Branzi A, Boriani G. Troponin I Rise After Pacemaker Implantation at the Time of “Universal Definition of Myocardial Infarction. *Am J Cardiol* 2009 103(8):1061-5
160. Boriani G, Valzania C, Biffi M, Martignani C, Diemberger I, **Bertini M**, Domenichini G, Saporito D, Ziacchi M, Marziali A, Branzi A. Cost-effectiveness of CRT. *Device Therapy for Heart Failure* 2009; Vol 2 (No 2): 38-44.
161. Boriani G, Biffi M, Martignani C, Diemberger I, Valzania C, **Bertini M**, Branzi A. Expenditure and value for money: the challenge of implantable cardioverter defibrillators. *QJM.* 2009;102(5):349-356
162. Biffi M, **Bertini M**, Ziacchi M, Martignani C, Valzania C, Diemberger I, Branzi A, Boriani G Clinical implications of Left Superior persistence in candidates for pacemaker or cardioverter-defibrillator implantation. *Heart and Vessels* 2009; 24(2):142-6.
163. **Bertini M**, Biffi M, Ziacchi M, Valzania C, Saporito D, Boriani G Automatic verification of ventricular stimulation: fusion management algorithm. *Pacing Clin Electrophysiol.* 2008 Jan;31(1):64-9



164. Biffi M, Ziacchi M, **Bertini M**, Sangiorgi D, Corsini D, Martignani C, Boriani G Longevity of implantable cardioverter-defibrillators: implications for clinical practice and health care systems. *Europace* 2008 Nov; 10(11): 1288-95.
165. Boriani G, Diemberger I, Martignani C, Biffi M, Valzania C, **Bertini M**, Domenichini G, Saporito D, Ziacchi M, Branzi A. Telecardiology and remote monitoring of implanted electrical devices: the potential for fresh clinical care perspectives. *J Gen Intern Med.* 2008 Jan;23 Suppl 1:73-7. Review.
166. Valzania C, Rocchi G, Biffi M, Martignani C, **Bertini M**, Diemberger I, Biagini E, Ziacchi M, Domenichini G, Saporito D, Rapezzi C, Branzi A, Boriani G. Left ventricular versus biventricular pacing: a randomized comparative study evaluating mid-term electromechanical and clinical effects. *Echocardiography.* 2008 Feb;25(2):141-8
167. Martignani C, Diemberger I, Biffi M, Valzania C, **Bertini M**, Boriani G How to assess the efficacy of catheter ablation of atrial fibrillation? *Eur Heart J.* 2008; 29(17): 2183-4.
168. Martignani C, Diemberger I, Biffi M, Valzania C, **Bertini M**, Domenichini G, Boriani G. Atrial fibrillation ablation: beyond electro-mechanical matters. *Eur Heart J.* 2008; 29(22):2818-9
169. Marsan NA, Breithardt OA, Delgado V, **Bertini M**, Tops LF. Predicting response to CRT. The value of two- and three-dimensional echocardiography. *Europace.* 2008 Nov;10 Suppl 3:iii73-9.
170. Biffi M, **Bertini M**, Ziacchi M, Boriani G. Transvenous Cardioverter-defibrillator implantation in a patient with tricuspid mechanical prosthesis. *J Cardiovas Electrophysiol* 2007;18(3):329-31.
171. Biffi M, **Bertini M**, Ziacchi M, Boriani G. Left ventricular pacing by automatic capture verification. *Europace.*

172. Boriani G, Valzania C, Fallani F, Biffi M, Martignani C, Saporito D, Ziacchi M, Diemberger I, Greco C, **Bertini M**, Domenichini G, Levorato M, Franchi R, Branzi A. Effects of cardiac resynchronization therapy on diastolic function: evaluation by radionuclide angiography. *Pacing Clin Electrophysiol.* 2007;30 Suppl 1:S43-6.
173. Boriani G, Diemberger I, Biffi M, Martignani C, Ziacchi M, **Bertini M**, Valzania C, Bronzetti G, Rapezzi C, Branzi A. How, why, and when may atrial defibrillation find a specific role in implantable devices? A clinical viewpoint. *Pacing Clin Electrophysiol.* 2007 Mar;30(3):422-33
174. Valzania C, Biffi M, Martignani C, Diemberger I, **Bertini M**, Ziacchi M, Bacchi L, Rocchi G, Rapezzi C, Branzi A, Boriani G. Cardiac resynchronization therapy: variations in echo-guided optimized atrioventricular and interventricular delays during follow-up. *Echocardiography.* 2007 Oct;24(9):933-9
175. Boriani G, Artale P, Biffi M, Martignani C, Frabetti L, Valzania C, Diemberger I, Ziacchi M, **Bertini M**, Rapezzi C, Parlapiano M, Branzi A. Outcome of cardioverter-defibrillator implant in patients with arrhythmogenic right ventricular cardiomyopathy. *Heart Vessels.* 2007 May;22(3):184-92. Epub 2007 May 21
176. Boriani G, Valzania C, Diemberger I, Biffi M, Martignani C, **Bertini M**, Ziacchi M, Domenichini G, Saporito D, Rapezzi C, Branzi A. Potential of non-antiarrhythmic drugs to provide an innovative upstream approach to the pharmacological prevention of sudden cardiac death. *Expert Opin Investig Drugs.* 2007 May;16(5):605-23. Review
177. Boriani G, Diemberger I, Biffi M, Martignani C, Valzania C, Ziacchi M, **Bertini M**, Specchia S, Grigioni F, Rapezzi C, Branzi A. Cardiac resynchronization therapy in clinical practice: Need for electrical, mechanical, clinical and logistic

synchronization.. *J Interv Card electrophysiol.* 2006 Dec;17(3):215-24.

178. Boriani G, Biffi M, Martignani C, Ziacchi M, Saporito D, Grigioni F, Domenichini G, Valzania C, Diemberger I, **Bertini M**, Specchia S, Branzi A Electrocardiographic remodeling during cardiac resynchronization therapy. *Int. J. Cardiol.* 2006;108(2):165-70.
179. Biffi M, **Bertini M**, Boriani G, Martignani C, Branzi A Heart Failure after myocardial revascularization: risk markers. *Int. J Cardiol.* 2005;105(1):11-4
180. Biffi M, Boriani G, **Bertini M**, Silvestri P, Martignani C, Branzi A Pacing with capture verification in candidates for resynchronisation therapy: a feasibility study. *Europace* 2005;7(3):255-65
181. Biffi M, Boriani G, Bartolotti M, **Bertini M**, Gallina C, Martignani C, Zannoli R, Branzi A. Which will be the indications for dual defibrillator? *Giornale Italiano di Aritmologia e Cardiorstimolazione* 2002;5 (Suppl. 1):106-11
182. Biffi M, Boriani G, Bartolotti M, **Bertini M**, Bacchi-Reggiani L, Martignani C, Gallina C, Branzi A. Neurocardiogenic syncope in pediatric patients: long term follow up. *Giornale Italiano di Aritmologia e Cardiorstimolazione* 2002;5 (Suppl. 1):183-5
183. Boriani G, Biffi M, Martignani C, Ziacchi M, Saporito D, Valzania C, Diemberger I, **Bertini M**, Domenichini G, Artale P, Frabetti L, Branzi A. Cardiac resynchronization therapy: Update on clinical studies. *Mediterranean Journal of pacing and electrophysiology* 2004; 6 (2): 70-5.

## SCIENTIFIC BOOKS

1. Cardiac mapping 4th edition. Chapter 69: Towards Non-invasive

- Mapping and Imaging of Cardiac Arrhythmias.
2. Chapter 14: Substrate assessment: Echocardiography, MRI, CCT. "Cardiac Imaging in Electrophysiology". Edited by Angelo Auricchio, Jag Singh, and Frank Rademakers.
  3. The role of cardiac stimulation in the therapy of heart failure (chapter 17) Book: "Heart failure. Questions and answers for the clinician" EDIMES 2006 editions)
  4. Left Ventricular Mechanics in Advanced Heart Failure Patients (Leiden University)

### **MANUSCRIPT REVIEWER FOR INTERNATIONAL PEER REVIEW JOURNALS**

#### **KNOWLEDGE OF ENGLISH**

Excellent knowledge of English (Certificate of passing of English course level 5B)

#### **ASSIGNMENTS**

- Imola 2007: 14.9.2007-1.12.2007 (132 hours). (Medical Director of Cardiology at the Department of Cardiology, Imola Hospital)
- Ferrara 2010: 01.07.2010-31.12.2010 (Medical Director of Cardiology at the Department of Cardiology, S. Anna Hospital, Ferrara)
- Ferrara 2011: 01.01.2011-30.06.2011 (Medical Director of Cardiology at the Department of Cardiology, S. Anna Hospital, Ferrara)

#### **DUTIES AND SCIENTIFIC SOCIETIES**

- AIAC member
- EHRA member
- AIAC Regional President for the two-year period 2016-2018
- AIAC Regional President for the two-year period 2018-2020
- Member of the AIAC Board of Directors since 2020

\_\_ sottoscritt:: dichiara di essere informat\_\_ , ai sensi del d.lgs. n.196/2003 e del GDPR 679/16 –  
"Regolamento europeo sulla protezione dei dati personali che i dati personali raccolti saranno trattati anche con  
strumenti informatici esclusivamente nell'ambito del procedimento per il quale la presente dichiarazione viene  
resa e per tutti gli adempimenti connessi.

FERRARA.li 21/06/2022

Il/la dichiarante  
MATTEO BERTINI

A handwritten signature in black ink, appearing to read 'Matteo Bertini', written over a horizontal dotted line.