

CURRICULUM VITAE

1. Personal details

Title: Dr
Last Name: **Calovic**
First Name: **Zarko**
Address: IRCCS Policlinico San Donato, San Donato Milanese
Zip/Postcode: 20097 Country: Italy
Phone: +39 39 31621762 Office: +39 02 5277 4260
Email address: zcalovic63@yahoo.com
Date of Birth: 28/09/1963

2. Details of current post

Position held: **Staff Electrofisiologist**
Employer/Hospital/Clinic: IRCCS Policlinico San Donato
Employer's address: Piazza E. Malan 1, San Donato Milanese
Zip/Postcode: 20097 Country: Italy

3. Primary medical qualification

Qualification: **Medical Doctor**
University/medical school: **Medical Faculty University of Pristina**
Country: Yugoslavia Mth/Yr. obtained: 03/1990

4. Specialist medical qualifications/certifications

Qualification (1): **Specialist in Internal Medicine**
Awarding body/University: **Faculty of Medicine University of Belgrade**
Country: Yugoslavia Mth/Yr. obtained: 01/1996

Qualification (2): **Master degree in Medicine-Cardiology**
Awarding body/University: **Faculty of Medicine University of Belgrade**
Country: Yugoslavia Mth/Yr. obtained: 06/1995

5. Other qualifications

Qualification (1): **Training for Cardiac pacing procedures**

Awarding body/University: **Institute for Cardiovasc. Disease University Clinical Centre Belgrade**

Country: Yugoslavia Mth/Yr. obtained: 06/1998

Qualification (2): **Training for Cardiac cathetersation procedures**

Awarding body/University: **Institute for Cardiovasc. Disease University Clinical Centre Belgrade**

Country: Yugoslavia Mth/Yr. obtained: 06/2000

Qualification (3): **Training in Electrophysiology**

Awarding body/University: **Hospital of the University of Pennsylvania, Philadephia**

Country: USA Mth/Yr. obtained: 07/2003

6. Medical registration

Country: **Yugoslavia**

Regulatory authority: **Serbian Ministry of Health**

Registration details: **Medical Doctor**

Registration period: **1991**

Country: **Italy**

Regulatory authority: **Italian Ministry of Health**

Registration details: **Medical Doctor**

Registration period: **2016**

7. Specialist registration

Country: **Yugoslavia**

Regulatory authority: **Serbian Ministry of Health**

Registration details: **Specialist in Internal Medicine**

Registration period: **1996**

8. Other post held

(1)

Duration: **1995 – 2010**
Speciality: **Staff Electroфизиologist**
Hospital: **Pacemaker Center Belgrade, Koste Todorovica, 8**
Country: **Serbia**

(2)

Duration: **2001 – 2003**
Position held: **Visiting Scholar**
Employer/Hospital/Clinic: **Hospital of the University of Pennsylvania**
Employer's address: **3400 Spruce Street, 9 Founders, Philadelphia**
Zip/Postcode: **19104** Country: **Pennsylvania, USA**

9. Research Undertaken

1997 – 1998	“Dual slope activity curve as improvement in VDDR rate responsive algorithm” In cooperation with: Medico SpA, Research and Development Depart, Padua, Italy, (Clinical investigator)
1997 – 1998	“Floating atrial pacing with single pass VDD pacing system” In cooperation with: Medico SpA, Research and Development Department, Padua, Italy (Clinical investigator)
1998 – 2001	“Transvalvular impedance TVI recording” In cooperation with: Medico SpA, Research and Development Department, Padua, Italy (Clinical investigator)
2003 – 2004	“CHAMP” study In cooperation with: Vitatron, Research and Development Department, Nederland, (Clinical investigator)
2008 -2009	“BIOPACE” Study In cooperation with: St Jude Medical Research and Development Department, (Clinical investigator)
2011 – 2015	“MPP” study In cooperation with: St Jude Medical Research and Development Department, (Clinical Investigator)

10. Abstract and Publications (last 5 years)

1. Pappone C, Čalović Ž, Cuko A, McSpadden LC, Ryu K, Jordan CD, Saviano M, Baldi M, Pappone A, Dozza L, Giannelli L, Fragakis N, Vicedomini G, Santinelli V. “Multipoint left ventricular pacing provides additional echocardiographic benefit to responders and non-responders to conventional cardiac resynchronization therapy”. *European Heart Journal Supplements*. 2015 Mar; 17(Supplement A):A12-17.

2. Pappone C, **Ćalović Ž**, Vicedomini G, Cuko A, McSpadden LC, Ryu K, Jordan CD, Romano E, Baldi M, Saviano M, Pappone A, Vitale R, Catalano C, Ciaccio C, Giannelli L, Ionescu B, Petretta A, Fragakis N, Fundaliotis A, Tavazzi L, Santinelli V. "Improving Cardiac Resynchronization Therapy Response with Multipoint Left Ventricular Pacing: 12-month Follow-up Study". *Heart Rhythm*. 2015 Jun;12(6):1250-8.
3. Pappone C, **Ćalović Ž**, Vicedomini G, Cuko A, McSpadden LC, Ryu K, Romano E, Baldi M, Saviano M, Pappone A, Ciaccio C, Giannelli L, Ionescu B, Petretta A, Vitale R, Fundaliotis A, Tavazzi L, Santinelli V. "Multipoint Left Ventricular Pacing in a Single Coronary Sinus Branch Improves Mid-Term Echocardiographic and Clinical Response to Cardiac Resynchronization Therapy". *Journal of Cardiovascular Electrophysiology*. 2015 Jan; 26(1):58-63.
4. Pappone C, **Ćalović Ž**, Vicedomini G, Cuko A, McSpadden LC, Ryu K, Romano E, Saviano M, Baldi M, Pappone A, Ciaccio C, Giannelli L, Ionescu B, Petretta A, Vitale R, Fundaliotis A, Tavazzi L, Santinelli V. "Multipoint Left Ventricular Pacing Improves Acute Hemodynamic Response Assessed With Pressure-Volume Loops in Cardiac Resynchronization Therapy Patients". *Heart Rhythm*. 2014 Mar; 11(3):394-401.
5. Ciconte G, Saviano M, Giannelli L, **Calovic Z**, Baldi M, Ciaccio C, Cuko A, Vitale R, Giacobelli D, Conti M, Lipartiti F, Giordano F, Maresca F, Moscatiello M, Vicedomini G, Santinelli V, Pappone C. Atrial fibrillation detection using a novel three-vector cardiac implantable monitor: the atrial fibrillation detect study. *Europace*. 2016 Oct 4
6. Pappone C, Vicedomini G, Manguso F, Saviano M, Baldi M, Pappone A, Ciaccio C, Giannelli L, Ionescu B, Petretta A, Vitale R, Cuko A, **Calovic Z**, Fundaliotis A, Moscatiello M, Tavazzi L, Santinelli V. Response to letter regarding article, "Wolff-Parkinson-White syndrome in the era of catheter ablation: insights from a registry study of 2169 patients". *Circulation*. 2015 May 19;131(20):
7. Pappone C, Vicedomini G, Manguso F, Saviano M, Baldi M, Pappone A, Ciaccio C, Giannelli L, Ionescu B, Petretta A, Vitale R, Cuko A, **Calovic Z**, Fundaliotis A, Moscatiello M, Tavazzi L, Santinelli V. Wolff-Parkinson-White syndrome in the era of catheter ablation: insights from a registry study of 2169 patients. *Circulation*. 2014 Sep 2;130(10):
8. Pappone C, **Ćalović Ž**, Vicedomini G, Cuko A, McSpadden LC, Ryu K, Romano E, Saviano M, Baldi M, Pappone A, Ciaccio C, Giannelli L, Ionescu B, Petretta A, Vitale R, Fundaliotis A, Tavazzi L, Santinelli V. Multipoint left ventricular pacing improves acute hemodynamic response assessed with pressure-volume loops in cardiac resynchronization therapy patients. *Circulation*. 2012 Feb 7;125(5):661-8
9. Pappone C, Vicedomini G, Manguso F, Baldi M, Pappone A, Petretta A, Vitale R, Saviano M, Ciaccio C, Giannelli L, **Calovic Z**, Tavazzi L, Santinelli V. Risk of malignant arrhythmias in initially symptomatic patients with Wolff-Parkinson-White syndrome: results of a prospective long-term electrophysiological follow-up study. *Circulation*. 2012 Feb 7;125(5):661-8.
10. Pappone C, Vicedomini G, Augello G, Manguso F, Saviano M, Baldi M, Petretta A, Giannelli L, **Calovic Z**, Guluta V, Tavazzi L, Santinelli V. Radiofrequency catheter ablation and antiarrhythmic drug therapy: a prospective, randomized, 4-year follow-up trial: the APAF study. *Circ Arrhythm Electrophysiol*. 2011 Dec;4(6):808-14

11. Conference Abstract Presentations

12. Pappone C, **Ćalović Ž**, Cuko A, McSpadden LC, Ryu K, Stutz R, Winter D, Saviano M, Vicedomini G, Santinelli V. "Multipoint left ventricular pacing improves pre-ejection period and ejection duration assessed with non-invasive radial artery tonometry measurements in cardiac resynchronization therapy patients". Presented at EHRA Europace 2015 in Milan, Italy, June 21-24, 2015. Published in *Europace* 2015; 17 (Suppl 3).
13. Pappone C, Cuko A, **Ćalović Ž**, McSpadden LC, Jordan CD, Ryu K, Baldi M, Petretta A, Moscatiello M, Vicedomini G, Santinelli V. "Cardiac Resynchronization Therapy Response at 12 Months is

- Associated with Decreases in Interventricular Electrical Conduction Delay". Presented at the Heart Rhythm Society Scientific Sessions 2015 in Boston, MA, May 13-16, 2015. Published in *Heart Rhythm* 2015; 12 (5S): S391.
14. Pappone C, Cuko A, **Čalović Ž**, McSpadden LC, Ryu K, Jordan CD, Baldi M, Ciaccio C, Giannelli L, Ionescu B, Vicedomini G. "Progression of Response to Cardiac Resynchronization Therapy with Multipoint Left Ventricular Pacing from 3 Months to 12 Months". Presented at the Heart Rhythm Society Scientific Sessions 2015 in Boston, MA, May 13-16, 2015. Published in *Heart Rhythm* 2015; 12 (5S): S389.
 15. Cuko A, **Čalović Ž**, McSpadden LC, Ryu K, Qu F, Romano E, Baldi M, Vicedomini G, Santinelli V, Pappone C. "Multipoint Left Ventricular Pacing Reduces Paced QRS Duration Relative to Conventional Biventricular Pacing in Patients Receiving Cardiac Resynchronization Therapy". Presented at the Asia-Pacific Heart Rhythm Society Scientific Sessions 2015 in Melbourne, Australia, November 19-22, 2015.
 16. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Jordan C, Ryu K, Romano E, Baldi M, Pappone A, Saviano M, Giannelli L, Ciaccio C, Petretta A, Moscatiello M, Catalano C, Fundaliotis A, Vitale R, Ionescu B, Vicedomini G, Santinelli V. "Decreases in Interventricular Electrical Conduction Delay during 12-month of CRT are Associated with CRT Response". Presented at the International Symposium on Progress in Clinical Pacing 2014 in Rome, Italy, December 2-5, 2014.
 17. Cuko A, **Čalović Ž**, McSpadden LC, Jordan C, Ryu K, Romano E, Baldi M, Pappone A, Saviano M, Giannelli L, Ciaccio C, Catalano C, Petretta A, Moscatiello M, Fundaliotis A, Vitale R, Ionescu B, Vicedomini G, Santinelli V, Pappone C. "Multipoint Left Ventricular Pacing Provides Additional Echocardiographic Benefit to Responders and Non-responders to Conventional Cardiac Resynchronization Therapy". Presented at the International Symposium on Progress in Clinical Pacing 2014 in Rome, Italy, December 2-5, 2014.
 18. Cuko A, **Čalović Ž**, McSpadden LC, Qu F, Ryu K, Baldi M, Pappone A, Saviano M, Giannelli L, Ciaccio C, Petretta A, Catalano C, Moscatiello M, Vitale R, Ionescu B, Vicedomini G, Santinelli V, Pappone C. "Suppression of Premature Ventricular Contraction with Multipoint LV Pacing in Cardiac Resynchronization Therapy Recipients". Presented at the International Symposium on Progress in Clinical Pacing 2014 in Rome, Italy, December 2-5, 2014.
 19. **Čalović Ž**, Cuko A, McSpadden LC, Jordan C, Ryu K, Romano E, Baldi M, Pappone A, Saviano M, Giannelli L, Catalano C, Ciaccio C, Petretta A, Moscatiello M, Vitale R, Ionescu B, Vicedomini G, Santinelli V, Pappone C. "Relationship Between Baseline Electrical Measurements and 12-Month Response to Cardiac Resynchronization Therapy". Presented at the International Symposium on Progress in Clinical Pacing 2014 in Rome, Italy, December 2-5, 2014.
 20. **Čalović Ž**, Cuko A, McSpadden LC, Jordan C, Ryu K, Romano E, Baldi M, Pappone A, Saviano M, Giannelli L, Catalano C, Ciaccio C, Petretta A, Moscatiello M, Vitale R, Ionescu B, Vicedomini G, Santinelli V, Pappone C. "Progression of Response to Cardiac Resynchronization Therapy with Multipoint Left Ventricular Pacing in a Single Coronary Sinus Branch from 3 Months to 12 Months". Presented at the International Symposium on Progress in Clinical Pacing 2014 in Rome, Italy, December 2-5, 2014.
 21. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Romano E, Baldi M, Pappone A, Saviano M, Giannelli L, Ciaccio C, Catalano C, Petretta A, Moscatiello M, Fundaliotis A, Vitale R, Ionescu B, Vicedomini G, Santinelli V. "CRT with Multipoint Left Ventricular Pacing Improves 12-Month Ejection Fraction in Both Ischemic and Non-Ischemic Patients". Presented at the Asia-Pacific Heart Rhythm Society Scientific Sessions 2014 in New Delhi, India, October 29-November 1, 2014. Published in *Journal of Arrhythmia* 2014; 30 (Suppl 2014).
 22. Pappone C, **Čalović Ž**, Cuko A, Baldi M, McSpadden LC, Qu F, Ryu K, Pappone A, Saviano M, Giannelli L, Ciaccio C, Petretta A, Catalano C, Moscatiello M, Vitale R, Ionescu B, Vicedomini G, Leclercq C, Santinelli V. "Multipoint left ventricular pacing improves hemodynamic response

- assessed with non-invasive blood pressure measurements in CRT patients". Presented at the Asia-Pacific Heart Rhythm Society Scientific Sessions 2014 in New Delhi, India, October 29-November 1, 2014. Published in *Journal of Arrhythmia* 2014; 30 (Suppl 2014).
23. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Romano E, Baldi M, Saviano M, Vicedomini G, Santinelli V. "Multipoint left ventricular pacing in a single coronary sinus branch improves 12-month response to cardiac resynchronization therapy relative to conventional biventricular pacing". Presented at European Society of Cardiology Congress 2014 in Barcelona, Spain, August 30-September 3, 2014. Published in *European Heart Journal* 2014; 35 (Suppl 1): 88.
 24. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Romano E, Baldi M, Pappone A, Saviano M, Giannelli L, Ciaccio C, Petretta A, Moscaticello M, Fundaliois A, Vitale R, Ionescu B, Vicedomini G, Santinelli V. "Multipoint Left Ventricular Pacing in a Single Coronary Sinus Branch Improves 3-Month Response to Cardiac Resynchronization Therapy in Both Ischemic and Non-Ischemic Patients". Presented at Cardiostim 2014 in Nice, France, June 18-21, 2014. Published in *Europace* 2014; 16 (Suppl 2): ii35.
 25. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Romano E, Baldi M, Pappone A, Saviano M, Giannelli L, Ciaccio C, Petretta A, Moscaticello M, Fundaliois A, Vitale R, Ionescu B, Vicedomini G, Santinelli V. "Multipoint Left Ventricular Pacing in Cardiac Resynchronization Therapy Patients Provides Similar Acute Hemodynamic Improvement Regardless of QRS Duration or Lead Location". Presented at the Heart Rhythm Society Scientific Sessions 2014 in San Francisco, CA, May 7-10, 2014. Published in *Heart Rhythm* 2014; 11 (5S): S232.
 26. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Romano E, Saviano M, Vitale R, Vicedomini G, Santinelli V. "Multipoint left ventricular pacing provides similar acute hemodynamic improvement regardless of QRS duration or lead location in cardiac resynchronization therapy patients". Presented at the World Congress of Cardiology Scientific Sessions 2014 in Melbourne, Australia, May 4-7, 2014. Published in *Global Heart* 2014; 9 (Suppl 1): e43.
 27. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Romano E, Baldi M, Pappone A, Vicedomini G, Santinelli V. "Multipoint left ventricular pacing gives greater benefit in patients with lower baseline ejection fraction". Presented at the World Congress of Cardiology Scientific Sessions 2014 in Melbourne, Australia, May 4-7, 2014. Published in *Global Heart* 2014; 9 (Suppl 1): e180.
 28. Cuko A, **Čalović Ž**, McSpadden LC, Ryu K, Romano E, Baldi M, Pappone A, Saviano M, Giannelli L, Ciaccio C, Petretta A, Moscaticello M, Fundaliois A, Vitale R, Ionescu B, Vicedomini G, Santinelli V, Pappone C. "Multipoint Left Ventricular Pacing with a Quadripolar Lead in a Single Coronary Sinus Branch Improves 3-Month Response to Cardiac Resynchronization Therapy". Presented at the 10th Annual Congress of the European Cardiac Arrhythmia Society in Munich, Germany, March 23-25, 2014. Published in *Journal of Interventional Cardiac Electrophysiology* 2014; 39 (Suppl 1): S41.
 29. Cuko A, Saviano M, McSpadden LC, Ryu K, **Čalović Ž**, Baldi M, Pappone A, Ciaccio C, Giannelli L, Petretta A, Vitale R, Vicedomini G, Santinelli V, Pappone C. "Targeting the Site of Late Electrical Activation in Quadripolar Left Ventricular Lead Using Intracardiac Electrograms Improves Acute Hemodynamic Response to Biventricular Pacing". Presented at the 74^o Congresso Nazionale della Società Italiana di Cardiologia in Rome, Italy, December 14-16, 2013.
 30. Pappone C, Cuko A, Baldi M, **Čalović Ž**, McSpadden LC, Ryu K, Romano E, Pappone A, Saviano M, Giannelli L, Ciaccio C, Petretta A, Moscaticello M, Fundaliois A, Vitale R, Ionescu B, Vicedomini G, Santinelli V. "Improvement in 3-Month Echocardiographic and Clinical Response to Cardiac Resynchronization Therapy with Multipoint Left Ventricular Pacing in a Single Coronary Sinus Branch". Presented at the Asia-Pacific Heart Rhythm Society Scientific Sessions 2013 in Hong Kong, October 3-6, 2013. Published in *Journal of Arrhythmia* 2013; 29 (Suppl 2013): i188.
 31. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Romano E, Baldi M, Pappone A, Saviano M, Giannelli L, Ciaccio C, Petretta A, Moscaticello M, Fundaliois A, Vitale R, Ionescu B, Vicedomini G, Santinelli V. "Multipoint Left Ventricular Pacing Provides Similar Acute Hemodynamic Improvement in Both Ischemic and Non-Ischemic Cardiac Resynchronization Therapy Patients". Presented at the

Asia-Pacific Heart Rhythm Society Scientific Sessions 2013 in Hong Kong, October 3-6, 2013. Published in *Journal of Arrhythmia* 2013; 29 (Suppl 2013): i188.

32. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Baldi M, Pappone A, Saviano M, Giannelli L, Ciaccio C, Petretta A, Moscatiello M, Fundaliotis A, Vitale R, Ionescu B, Vicedomini G, Santinelli V. "Multisite Left Ventricular Pacing in a Single Coronary Sinus Branch Improves 3-Month Echocardiographic and Clinical Response to Cardiac Resynchronization Therapy". Presented at the 17th Annual Scientific Meeting of the Heart Failure Society of America in Orlando, FL, USA, September 22-25, 2013. Published in *Journal of Cardiac Failure* 2013; 19 (Suppl 1): S26.
33. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Saviano M, Pappone A, Moscatiello M, Fundaliotis A, Baldi M. "Correlation of different pressure-volume loop parameters during biventricular pacing in heart failure patients". Presented at European Society of Cardiology Congress 2013 in Amsterdam, Netherlands, August 31-September 4, 2013. Published in *European Heart Journal* 2013; 34 (Suppl 1): 583.
34. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Saviano M, Giannelli L, Ciaccio C, Vicedomini G, Santinelli V. "Multisite left ventricular pacing in a single coronary sinus branch improves systolic and diastolic acute hemodynamic response assessed with pressure-volume loops". Presented at EHRA Europace 2013 in Athens, Greece, June 23-26, 2013. Published in *Europace* 2013; 15 (Suppl 2): ii49.
35. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Saviano M, Petretta A, Moscatiello M, Vitale R, Vicedomini G. "Left ventricular pacing from a site of late electrical activation improves acute hemodynamics in CRT patients implanted with a quadripolar left ventricular lead". Presented at EHRA Europace 2013 in Athens, Greece, June 23-26, 2013. Published in *Europace* 2013; 15 (Suppl 2): ii13.
36. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Saviano M, Baldi M, Pappone A, Petretta A, Ciaccio C, Giannelli L, Ionescu B, Vitale R, Vicedomini G, Santinelli V. "Cardiac Resynchronization Therapy With Multisite Left Ventricular Pacing Improves Acute Hemodynamic Response Assessed With Pressure-Volume Loops". Presented at the Heart Rhythm Society Scientific Sessions 2013 in Denver, CO, USA, May 8-11, 2013. Published in *Heart Rhythm* 2013; 10 (5S): S111.
37. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Baldi M, Pappone A, Saviano M, Giannelli L, Ciaccio C, Petretta A, Vitale R, Ionescu B, Vicedomini G, Santinelli V. "Improvement in 3-month Echocardiographic Response With Multisite Left Ventricular Pacing in Cardiac Resynchronization Therapy Patients". Presented at the Heart Rhythm Society Scientific Sessions 2013 in Denver, CO, USA, May 8-11, 2013. Published in *Heart Rhythm* 2013; 10 (5S): S152.
38. Pappone C, **Čalović Ž**, Cuko A, McSpadden LC, Ryu K, Saviano M, Baldi M, Pappone A, Ciaccio C, Giannelli L, Petretta A, Ionescu B, Vitale R, Vicedomini G, Santinelli V. "Left Ventricular Pacing from a Site of Late Electrical Activation Improves Acute Hemodynamic Response to Biventricular Pacing in Patients with Conduction Delay Greater Than Ten Milliseconds in a Quadripolar Left Ventricular Lead". Presented at the Heart Rhythm Society Scientific Sessions 2013 in Denver, CO, USA, May 8-11, 2013. Published in *Heart Rhythm* 2013; 10 (5S): S230.
39. Cuko A, **Čalović Ž**, Saviano M, McSpadden LC, Ryu K, Baldi M, Pappone A, Petretta A, Ciaccio C, Giannelli L, Vitale R, Vicedomini G, Santinelli V, Pappone C. "Multisite left ventricular pacing in a single coronary sinus branch improves acute hemodynamic response to biventricular pacing assessed with pressure-volume loops". Presented at the 9th Annual Congress of the European Cardiac Arrhythmia Society in Paris, France, April 14-16, 2013. Published in *Journal of Interventional Cardiac Electrophysiology* 2013; 36 (Suppl 1): S27.
40. Pappone C, **Čalović Ž**, Saviano M, McSpadden LC, Ryu K, Cuko A, Baldi M, Ciaccio C, Giannelli L, Ionescu B, Pappone A, Petretta A, Vitale R, Vicedomini G, Santinelli V. "Multisite left ventricular pacing improves acute hemodynamic response assessed with pressure-volume loops in cardiac

resynchronization therapy patients". Presented at the International Symposium on Progress in Clinical Pacing 2012 in Rome, Italy, December 4-7, 2012.

41. Pappone C, **Ćalović Ž**, Saviano M, McSpadden LC, Ryu K, Cuko A, Baldi M, Ciaccio C, Giannelli L, Ionescu B, Pappone A, Petretta A, Vitale R, Vicedomini G, Santinelli V. "Biventricular pacing with left ventricular pacing from a site of late electrical activation improves acute hemodynamic response in patients with long electrical delay". Presented at the International Symposium on Progress in Clinical Pacing 2012 in Rome, Italy, December 4-7, 2012.
42. Pappone C, **Ćalović Ž**, Saviano M, McSpadden LC, Ryu K, Cuko A, Baldi M, Ciaccio C, Giannelli L, Ionescu B, Pappone A, Petretta A, Vitale R, Vicedomini G, Santinelli V. "Multisite left ventricular pacing improves acute hemodynamic response to cardiac resynchronization therapy in both ischemic and non-ischemic patients". Presented at the International Symposium on Progress in Clinical Pacing 2012 in Rome, Italy, December 4-7, 2012.
43. Pappone C, **Ćalović Ž**, Saviano M, McSpadden LC, Ryu K, Cuko A, Baldi M, Ciaccio C, Giannelli L, Ionescu B, Pappone A, Petretta A, Vitale R, Vicedomini G, Santinelli V. "Acute improvement in left ventricular function and mechanical dyssynchrony with multisite left ventricular pacing in cardiac resynchronization therapy patients". Presented at the International Symposium on Progress in Clinical Pacing 2012 in Rome, Italy, December 4-7, 2012.
44. Pappone C, **Ćalović Ž**, Saviano M, McSpadden LC, Ryu K, Cuko A, Baldi M, Ciaccio C, Giannelli L, Ionescu B, Pappone A, Petretta A, Vitale R, Vicedomini G, Santinelli V. "Cardiac Resynchronization Therapy with Multisite Left Ventricular Pacing Improves Acute Hemodynamic Response in Patients". Presented at the American Heart Association Scientific Sessions 2012 in Los Angeles, CA, USA, November 3-7, 2012. Published in *Circulation* 2012; 126: A13412.
45. Pappone C, **Ćalović Ž**, Saviano M, McSpadden LC, Ryu K, Cuko A, Baldi M, Ciaccio C, Giannelli L, Ionescu B, Pappone A, Petretta A, Vitale R, Vicedomini G, Santinelli V. "Left ventricular pacing from a site of late electrical activation improves acute hemodynamic response to cardiac resynchronization therapy". Presented at the Asia-Pacific Heart Rhythm Society Scientific Sessions 2012 in Taipei, Taiwan, October 3-6, 2012. Published in *Journal of Arrhythmia* 2012; 28 (Suppl 2012): 632.
46. Pappone C, **Ćalović Ž**, Saviano M, McSpadden LC, Ryu K, Cuko A, Baldi M, Ciaccio C, Giannelli L, Ionescu B, Pappone A, Petretta A, Vitale R, Vicedomini G, Santinelli V. "Multisite left ventricular pacing from a single coronary sinus branch improves acute hemodynamics - Pressure-volume loops study". Presented at the Asia-Pacific Heart Rhythm Society Scientific Sessions 2012 in Taipei, Taiwan, October 3-6, 2012. Published in *Journal of Arrhythmia* 2012; 28 (Suppl 2012): 403.

12. Membership:

European Society of Cardiology
Serbian Working Group on Cardiac Pacing
Heart Rhythm Society of Pacing and Electrophysiology
American Heart Association

Zarko Calovic, MD

March 2018.

