

CURRICULUM VITAE

Vincenzo SANTINELLI, MD

Ruolo attuale: Direttore Scientifico Dipartimento di Aritmologia, Policlinico San Donato, Milano.

Competenze: I principali interessi clinici e di ricerca cardiovascolare includono la terapia di tutte le aritmie cardiache con tecnica ablativa transcateretere, la terapia mediante dispositivi elettrici in pazienti con scompenso cardiaco refrattario, ablazione della fibrillazione atriale, terapia delle malattie genetiche cardiache, terapia della sindrome di Brugada.

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Corswo di laurea in Medicina e Chirurgia all'Universita di Napoli 1965-1971

Laurea in Medicina e Chirurgia il 29 July 1971 con votazione 110/110 e lode .

Specializzazione in Cardiologia e Malattie dei Vasi. Universita di Napoli 110/110 e lode with honors, 1971-1973.

Corso di Specializzazione in Medicina Interna, Università di Napoli : 1974-1978.

Specializzazione in Medicina Interna con votazione 110/110.

Training in Elettrofisiologia. 1980 Policlinico S. Matteo Pavia 1992 Dipartimento di Cardiologia;
1992: Università del Michigan (USA), Medical Center Ann Arbor Michigan (Chief Fred Morady, MD)
as Visiting Professor.

Attività lavorativa e attestazioni di servizio

1971-1975

Medico Volontario Università di Napoli

1975-1994 Assistente presso la cattedra di Cardiologia e di Medicina Interna, Università di Napoli

Federico II

1982-2003:

-Professore di Cardiologia, Scuola di Specializzazione di Cardiologia dell'Università di Napoli

Federico II.

-Professore di Cardiologia, Scuola di specializzazione di Cardiochirurgia dell'Università di
Napoli,

-Professore di Cardiologia, Scuola di Specializzazione di Chirurgia Toracica Università di Napoli

-Professore di Cardiologia, Scuola di Specializzazione in Scienze Infermieristiche

-Direttore del laboratorio di Elettrofisiologia ed elettrostimolazione Università di Napoli
Federico II.

2003-2009:

-Direttore Scientifico Dipartimento di Aritmologia Scientific , Università Ospedale San Raffaele.

-Professore di Cardiologia presso la Scuola di specializzazione di Cardiologia Università San Raffaele.

2010-2015

Direttore Scientifico Dipartimento di Aritmologia, Maria Cecilia Hospital, Cotignola, Ravenna

2015-2019

Direttore Scientifico Dipartimento di Aritmologia, Policlinico San Donato, Milano.

Service as Reviewer and Editorial Consultant.

▪ Circulation ▪ Journal of the American College of Cardiology ▪ Pacing and Clinical Electrophysiology ▪ Journal of Cardiovascular Electrophysiology ▪ Nature Medicine ▪ European Heart Journal ▪ Heart Rhythm ▪ Journal of Cardiovascular Medicine

Professional Associations

Fellow American College Chest Physicians ▪ Fellow Heart Rhythm Society ▪ Fellow NY Academy of Sciences

Attività di Ricerca

1. Conducted seminal research on cardiovascular diseases, physiopathology antiarrhythmic drug therapy, asymptomatic Wolff-Parkinson White Syndrome, vagal denervation in patients undergoing AF ablation, remote navigation and ablation, progression of AF, the electrical treatment of patients with heart failure, including cardiac resynchronization therapy using multisite pacing and the novel non-excitatory electrical cardiac contractility modulation signal.
2. The article “**Circumferential Radiofrequency Ablation of Pulmonary Vein Ostia: A New Anatomic Approach for Curing Atrial Fibrillation**”, (see Publications cited in the Science Citation

Index ref. #44) earned an Editorial “Pulmonary Vein Ablation in Atrial Fibrillation: Hype or Hope? by Hein J. J. Wellens, MD. *Circulation* 2000; 102: 2562- 2564

3. The study entitled “**Usefulness of Invasive Electrophysiologic Testing to Stratify the Risk of Arrhythmic Events in Asymptomatic Patients With Wolff-Parkinson-White Pattern. Results From a Large Prospective Long-term Follow-up Study**”, (see Publications cited in the Science Citation Index ref. 42) earned an Editorial “Asymptomatic Wolff- Parkinson-White Syndrome: is it Time to Revisit Guidelines?” by Derick M. Todd et al. *J Am Coll Cardiol* 2003, 41: 245- 48
4. The study entitled “**Mortality, morbidity, and quality of life after circumferential pulmonary vein ablation for atrial fibrillation: Outcomes from a controlled nonrandomized long-term study**”, (see Publications cited in the Science Citation Index ref. #41) earned an Editorial “Ablation of atrial fibrillation: awaiting the new paradigm” by Kenneth A. Ellenbogen and Mark A. Wood. *J Am Coll Cardiol* 2003; 42 (2),185-197.
5. The article “**A Randomized Study of Prophylactic Catheter Ablation in Asymptomatic Patients with the Wolff–Parkinson–White Syndrome**” (see Publications cited in the Science Citation Index ref. #39) was awarded with the Editorial High-Risk Patients with Ventricular Preexcitation —A Pendulum in Motion by Bruce B. Lerman, M.D., and Craig T. Basson, M.D., Ph.D. *The New England Journal of Medicine* 2003; 349: (19) 1803- 11.
6. The article “**First Human Chronic Experience with Cardiac Contractility Modulation**” by Non-Excitatory Electrical Currents for Treating Systolic Heart Failure” (see Publications cited in the Science Citation Index ref. #36) was awarded with the Editorial Comment Nonexcitatory Electrical Currents for Congestive Heart failure: Exciting or Not? by Mevan Wijetunga, M.D., and S. Adam Strickberger, MD. *J Cardiovasc Electrophysiol.* 2004: 428-429.
7. The article “**Radiofrequency Ablation in Children with Asymptomatic Wolff-Parkinson-White Syndrome**” (see Publications cited in the Science Citation Index ref. #34) was awarded with

the Editorial Catheter Ablation for Cardiac Arrhythmias by Hein J.J. Wellens, M.D. The New England Journal of Medicine 2004; 351 (12): 1197-1205.

8. The summary of the article “**Prevention of Iatrogenic Atrial Tachycardia following ablation of Atrial Fibrillation. A prospective randomized study comparing circumferential pulmonary vein ablation with a modified approach.**” (see Publications cited in the Science Citation Index ref. #31) has been included in the The Journal of Evidence-based Cardiovascular Medicine, which includes summaries of only the 100 best and most useful papers published throughout the world featuring the highest quality original research.

9. The article “**Circumferential Pulmonary-Vein Ablation for Chronic Atrial Fibrillation**” (see Publications cited in the Science Citation Index ref. #19) was awarded with the Editorial Catheter Ablation of chronic atrial fibrillation- the gap between promise and practice by Mark A. Wood and KA Ellenbogen. The New England Journal of Medicine 2006;354: 967-968.

10. The article “**Atrial fibrillation progression and management. A 5-year prospective follow-up study**” (see Publications cited in the Science Citation Index ref. #6) earned an Editorial “Prevention of progression of atrial fibrillation: A new indication for catheter ablation?” by H Calkins. Heart Rhythm. 2008; 5 (11): 1508-1509.

11. The article “**The natural history of asymptomatic ventricular preexcitation. A long-term prospective follow-up study of 184 asymptomatic children**” (see Publications cited in the Science Citation Index ref. #1) was awarded with the editorial “Asymptomatic Wolff- Parkinson-White Syndrome in Children An Unnatural History?” by Seshadri Balaji. *J Am Coll Cardiol.* 2009; 53: 281-283.

12. The article “ **Assessing the Malignant Ventricular Arrhythmic Substrate in Patients With Brugada Syndrome.** Published in the *Am Coll Cardiol.* 2018 was awarded with the editorial.

13. The article “**Electrical Substrate Elimination in 135 Consecutive Patients With Brugada Syndrom**” e published in *Circulation AE* was awarded with the editorial.

International Journals (Total impact factor: 895)

Total Number of publications in Medline (n = 147)

Publications in the last 4 years (26 publications)

1.

[Comparable clinical characteristics in Brugada syndrome patients harboring SCN5A or novel SCN10A variants.](#)

Monasky MM, Micaglio E, Vicedomini G, Locati ET, Ciconte G, Giannelli L, Giordano F, Crisà S, Vecchi M, Borrelli V, Ghiroldi A, D'Imperio S, Di Resta C, Benedetti S, Ferrari M, **Santinelli V**, Anastasia L, Pappone C. Europace. 2019 Jul 10. pii: euz186. doi: 10.1093/europace/euz186. [Epub ahead of print]

2.

[Novel SCN5A Frameshift Mutation in Brugada Syndrome Associated With Complex Arrhythmic Phenotype.](#)

Micaglio E, Monasky MM, Ciconte G, Vicedomini G, Conti M, Mecarocci V, Giannelli L, Giordano F, Pollina A, Saviano M, Pozzi PR, Di Resta C, Benedetti S, Ferrari M, **Santinelli V**, Pappone C. Front Genet. 2019 Jun 6;10:547. doi: 10.3389/fgene.2019.00547. eCollection 2019.

3.

[Genotype/Phenotype Relationship in a Consanguineal Family With Brugada Syndrome Harboring the R1632C Missense Variant in the SCN5A Gene.](#)

Monasky MM, Micaglio E, Ciconte G, Benedetti S, Di Resta C, Vicedomini G, Borrelli V, Ghiroldi A, Piccoli M, Anastasia L, **Santinelli V**, Ferrari M, Pappone C. Front Physiol. 2019 May 28;10:666. doi: 10.3389/fphys.2019.00666. eCollection 2019.

4.

[Non-paroxysmal atrial fibrillation mapping: characterization of the electrophysiological substrate using a novel integrated mapping technique.](#)

Ciconte G, Vicedomini G, Li W, Mangual JO, McSpadden L, Ryu K, Saviano M, Vitale R, Conti M, Čalović Ž, **Santinelli V**, Pappone C. Europace. 2019 May 5. pii: euz123. doi: 10.1093/europace/euz123. [Epub ahead of print]

5.

[Brugada Syndrome: Progress in Diagnosis and Management.](#)

Pappone C, **Santinelli V**. Arrhythm Electrophysiol Rev. 2019 Mar;8(1):13-18. doi:

10.15420/aer.2018.73.2. Review.

7.

[SCN5A Nonsense Mutation and NF1 Frameshift Mutation in a Family With Brugada Syndrome and Neurofibromatosis.](#)

Micaglio E, Monasky MM, Ciconte G, Vicedomini G, Conti M, Mecarocci V, Giannelli L, Giordano F, Pollina A, Saviano M, Crisà S, Borrelli V, Ghiroldi A, D'Imperio S, Di Resta C, Benedetti S, Ferrari M, **Santinelli V**, Anastasia L, Pappone C. Front Genet. 2019 Feb 15;10:50. doi: 10.3389/fgene.2019.00050. eCollection 2019.

8.

[Multipoint left ventricular pacing improves response to cardiac resynchronization therapy with and without pressure-volume loop optimization: comparison of the long-term efficacy of two different programming strategies.](#)

Ciconte G, Čalović Ž, McSpadden LC, Ryu K, Mangual J, Caporaso I, Baldi M, Saviano M, Cuko A, Vitale R, Conti M, Giannelli L, Vicedomini G, **Santinelli V**, Pappone C. J Interv Card Electrophysiol. 2019 Mar;54(2):141-149. doi: 10.1007/s10840-018-0480-6. Epub 2018 Nov 27.

9.

Ciconte G, Vicedomini G, Giacomelli D, Calovic Z, Conti M, Spinelli B, Saviano M, **Santinelli V**, Pappone C. JACC Clin Electrophysiol. 2018 Apr;4(4):559-561. doi: 10.1016/j.jacep.2017.12.018.

10.

[General Anesthesia Attenuates Brugada Syndrome Phenotype Expression: Clinical Implications From a Prospective Clinical Trial.](#)

Ciconte G, **Santinelli V**, Brugada J, Vicedomini G, Conti M, Monasky MM, Borrelli V, Castracane W, Aloisio T, Giannelli L, Di Dedda U, Pozzi P, Ranucci M, Pappone C. JACC Clin Electrophysiol. 2018 Apr;4(4):518-530. doi: 10.1016/j.jacep.2017.11.013. Epub 2018 Feb 13.

11.

[Assessing the Malignant Ventricular Arrhythmic Substrate in Patients With Brugada Syndrome.](#)

Pappone C, Ciconte G, Manguso F, Vicedomini G, Mecarocci V, Conti M, Giannelli L, Pozzi P, Borrelli V, Menicanti L, Calovic Z, Della Ratta G, Brugada J, **Santinelli V**. J Am Coll Cardiol. 2018 Apr 17;71(15):1631-1646. doi: 10.1016/j.jacc.2018.02.022.

12..

[Ablation for persistent atrial fibrillation in patients with heart failure: is it underutilized?](#)

Pappone C, **Santinelli V**. J Cardiovasc Med (Hagerstown). 2018 Feb;19

Suppl 1:e99-e102. doi: 10.2459/JCM.0000000000000645.

13.

[Clinical Outcome of Electrophysiologically Guided Ablation for Nonparoxysmal Atrial Fibrillation Using a Novel Real-Time 3-Dimensional Mapping Technique: Results From a Prospective Randomized Trial.](#) Pappone C, Ciconte G, Vicedomini G, Mangual JO, Li W, Conti M, Giannelli L, Lipartiti F, McSpadden L, Ryu K, Guazzi M, Menicanti L, **Santinelli V**. Circ Arrhythm Electrophysiol. 2018 Mar;11(3):e005904. doi: 10.1161/CIRCEP.117.005904.

14.

[Multipoint pacing improves peripheral hemodynamic response: Noninvasive assessment using radial artery tonometry.](#) Ciconte G, Čalović Ž, Vicedomini G, Cuko A, McSpadden LC, Jiang C, Ryu K, Caporaso I, Stutz R, Winter D, Saviano M, Vitale R, Conti M, **Santinelli V**, Pappone C. Pacing Clin Electrophysiol. 2018 Feb;41(2):106-113. doi: 10.1111/pace.13254.

15.

[Intermittent alternance of Brugada ECG patterns: Insights from a unique electrophysiological phenomenon.](#) Ciconte G, Conti M, Vicedomini G, **Santinelli V**, Brugada J, Pappone C. J Cardiovasc Electrophysiol. 2017 Dec;28(12):1482-1484. doi: 10.1111/jce.13317.

16.

[Electrical Substrate Elimination in 135 Consecutive Patients With Brugada Syndrome.](#) Pappone C, Brugada J, Vicedomini G, Ciconte G, Manguso F, Saviano M, Vitale R, Cuko A, Giannelli L, Calovic Z, Conti M, Pozzi P, Natalizia A, Crisà S, Borrelli V, Brugada R, Sarquella-Brugada G, Guazzi M, Frigiola A, Menicanti L, **Santinelli V**. Circ Arrhythm Electrophysiol. 2017 May;10(5):e005053. doi: 10.1161/CIRCEP.117.005053.

17.

[Implantable cardioverter defibrillator and catheter ablation in Brugada syndrome.](#) Pappone C, **Santinelli V**. J Cardiovasc Med (Hagerstown). 2017 Jan;18 Suppl 1:e35-e39. doi: 10.2459/JCM.0000000000000449. No abstract available. PMID: 27801684

18.

[Atrial fibrillation detection using a novel three-vector cardiac implantable monitor: the atrial fibrillation detect study.](#) 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. Europace. 2017 Jul 1;19(7):1101-1108. doi: 10.1093/europace/euw181.

19.

[Radiofrequency Ablation Versus Antiarrhythmic Drug Therapy for Atrial Fibrillation: Meta-Analysis of Quality of Life, Morbidity, and Mortality.](#)

Siontis KC, Ioannidis JPA, Katritsis GD, Noseworthy PA, Packer DL, Hummel JD, Jais P, Krittayaphong R, Mont L, Morillo CA, Nielsen JC, Oral H, Pappone C, **Santinelli V**, Weerasooriya R, Wilber DJ, Gersh BJ, Josephson ME, Katritsis DG. JACC Clin Electrophysiol. 2016 Apr;2(2):170-180. doi: 10.1016/j.jacep.2015.10.003.

20.

[Catheter ablation of atrial fibrillation in patients with diabetes mellitus: a systematic review and meta-analysis.](#)

Anselmino M, Matta M, D'ascenzo F, Pappone C, **Santinelli V**, Bunch TJ, Neumann T, Schilling RJ, Hunter RJ, Noelker G, Fiala M, Frontera A, Thomas G, Katritsis D, Jais P, Weerasooriya R, Kalman JM, Gaita F. Europace. 2015 Oct;17(10):1518-25. doi: 10.1093/europace/euv214. Review.

21.

[Electrophysiology testing and catheter ablation are helpful when evaluating asymptomatic patients with Wolff-Parkinson-White pattern: the pro perspective.](#)

Pappone C, **Santinelli V**.

Card Electrophysiol Clin. 2015 Sep;7(3):371-6. doi: 10.1016/j.ccep.2015.05.001. Epub 2015 Jul 10. Review.

22.

[Brugada Syndrome Phenotype Elimination by Epicardial Substrate Ablation.](#)

Brugada J, Pappone C, Berruezo A, Vicedomini G, Manguso F, Ciconte G, Giannelli L, **Santinelli V**. Circ Arrhythm Electrophysiol. 2015 Dec;8(6):1373-81. doi: 10.1161/CIRCEP.115.003220.

23.

[Ventricular fibrillation in lone atrial fibrillation as clinical manifestation of latent Brugada syndrome: Usefulness of flecainide testing.](#) Pappone C, Vicedomini G, Petretta A, Giannelli L, Cuko A, **Santinelli V**.

HeartRhythm Case Rep. 2015 Jun 6;1(5):285-289. doi: 10.1016/j.hrcr.2015.02.013. eCollection 2015 Sep.

24.

[Response to letter regarding article, "Wolff-Parkinson-White syndrome in the era of catheter ablation: insights from a registry study of 2169 patients".](#)

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**. Circulation. 2015 May 19;131(20):e499. doi: 10.1161/CIRCULATIONAHA.114.014534.

25.

[Improving cardiac resynchronization therapy response with multipoint left ventricular pacing: Twelve-month follow-up study](#). Pappone C, Čalović 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**. Heart Rhythm. 2015 Jun;12(6):1250-8. doi: 10.1016/j.hrthm.2015.02.008.

Publications 2010-2015

1. Pappone C, Čalović 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 Feb 9. pii: S1547-5271
2. Pappone C, Čalović 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. J Cardiovasc Electrophysiol. 2015 Jan;26(1):58-63.
3. Pappone C, Čalović 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. Heart Rhythm. 2014 Mar;11(3):394-401.
4. 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):811-9.
5. Pappone C, Santinelli V. Atrial fibrillation ablation. *Rev Esp Cardiol (Engl Ed)*. 2012 Jun;65(6):560-9.
 6. Pappone C, Santinelli V. Asymptomatic Wolff-Parkinson-White Syndrome should be ablated. *Cardiac Electrophysiology Clinics* 2012, 4:281-285
 7. Pappone C, Santinelli V. Post ablation left atrial tachycardia: Understanding mechanism, prevention and treatment. *Journal of Atrial Fibrillation* 2012, 5 (2):23-31
 8. 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 WPW Syndrome: Results of a Prospective Long-Term Electrophysiological Follow-Up Study. *Circulation*. 2012 ;125:661-8. Impact factor: 14.429
 9. **Pappone C**, Vicedomini G, Cremonesi A, Zuffada F, Santinelli V. Device-based left atrial appendage closure. *Circulation AE*. 2011 ;4:418-9.
 10. **Pappone C**, Vicedomini G, Frigoli E, Giannelli L, Ciaccio C, Baldi M, Zuffada F, Saviano M, Pappone A, Crisà S, Petretta A, Santinelli V. Irrigated-tip magnetic catheter ablation of AF: a long-term prospective study in 130 patients. *Heart Rhythm*. 2011;8:8-15.
 11. **Pappone C**, Vicedomini G, Augello G, Manguso F, Saviano M, Baldi M, Petretta A, Giannelli L, Calovic Z, Guluta V, Tavazzi L and Santinelli V. Radiofrequency catheter ablation and antiarrhythmic drug therapy. A prospective, randomized 4-year follow-up trial. The APAF study *Circulation AE*. 2011;4: 808-14.

Publications 2009-1977

1. **Santinelli V**, Radinovic A, Manguso F, Vicedomini G, Gulletta S, G Paglino, Mazzone P, Ciconte G, Sacchi S, Sala S, Pappone C. The natural history of asymptomatic ventricular preexcitation. A long-term prospective follow-up study of 184 asymptomatic children *J Am Coll Cardiol.* 2009; 53: 275-280. Impact factor: 11.438.
2. **Pappone C**, Radinovic A, Manguso F, Vicedomini G, Sala S, Sacco FM, Ciconte G, Saviano M, Ferrari M, Sommariva E, Sacchi S., Ciaccio C, Santinelli V. New-onset atrial fibrillation as first clinical manifestation of latent Brugada syndrome. Prevalence and clinical significance. *Eur. Heart J.* 2009. Aug. 20, PMID 19696190. Impact factor: 8.917
3. Augello G, Vicedomini G, Saviano M, Crisà S, Mazzone P, Ornago O, Zuffada F, **Pappone C**. Pulmonary vein isolation after circumferential pulmonary vein ablation: comparison between LASSO and 3D electroanatomical assessment of complete electrical disconnection. In press. *Heart Rhythm* 2009. Impact factor: 4.444
4. **Pappone C** and Santinelli V. How far have we come? *Rev Esp Cardiol.* 2009; 62 (10): 1087-1091. Impact factor: 2.880
5. **Santinelli V**, Radinovic A, Manguso F, Vicedomini G, Ciconte G, Gulletta S, Paglino G, Sacchi S, Sala S, Ciaccio C, Pappone C. Asymptomatic ventricular preexcitation: A long-term prospective follow-up study of 293 adult patients. *Circ Arrhythmia Electrophysiol* 2009; 2:102-107.
6. Pappone C, Radinovic A, Manguso F, Vicedomini G, Ciconte G, Sacchi S, Mazzone P, Paglino G, Gulletta S, Sala S, **Santinelli V**. Atrial fibrillation progression and management. A 5-year prospective follow-up study. *Heart Rhythm.* 2008;5 (11): 1501-1507. Impact factor: 4.444
7. Pappone C and **Santinelli V**. Ablation of atrial fibrillation. *Eur Cardiovasc Disease.* 2008; 4 (1): 96-98

8. Pappone C, Radinovic A and **Santinelli V**. Sudden death and ventricular preexcitation: is necessary to treat the asymptomatic patients? *Curr Pharmac Design*. 2008; 14 (8): 762-765. Impact factor 4.399
9. Pappone C. and **Santinelli V**. Safety and efficacy of remote magnetic ablation for atrial fibrillation. *J Am Coll Cardiol* 2008; 51: 1614- 1615. Impact factor: 11.438
10. Pappone C and **Santinelli V**. Remote ablation of accessory pathways. *Eur Heart J*. 2008 Feb;29 (3): 422 Impact Factor: 8.917
11. Pappone C and **Santinelli V**. Remote navigation and ablation of atrial fibrillation. *J Cardiovascular Electrophysiol*. 2007 Jan; 18, Suppl 1 S18- S20. Impact factor 3.798
12. Pappone C, Augello G, Gugliotta F, **Santinelli V**. Robotic and magnetic navigation for atrial fibrillation ablation. How and why? *Expert Rev Med Devices*. 2007 Nov;4(6):885-894. Impact factor 2.071.
13. Pappone C and **Santinelli V**. Mapping and ablation: a worldwide perspective. *J Inter Car. Electr* 2006 Dec; 17 (3):195-198. Impact Factor: 1.084
14. Pappone C, Augello G, Sala S, Gugliotta F, Vicedomini G, Gulletta S, Paglino G, Mazzone P, Sora N, Greiss I, Santagostino A, LiVolsi L, Pappone N, Radinovic A, Manguso F and **V. Santinelli** : A Randomized Trial of Circumferential Pulmonary Vein Ablation versus Antiarrhythmic Drug Therapy in Paroxysmal Atrial Fibrillation. The Ablation for Paroxysmal Atrial Fibrillation (APAF) Study. *J Am Coll Cardiol* 2006 Dec 5;48:2340-2347. Impact factor 11438
15. Lang CC, Gugliotta F, **Santinelli V**, Mesas C, Tomita T, Vicedomini G, Augello G, Gulletta S, Mazzone P, De Cobelli F, Del Maschio A, Pappone C. Endocardial impedance mapping during circumferential pulmonary vein ablation of atrial fibrillation differentiates between atrial and venous tissue. *Heart Rhythm* 2006 Feb;3(2):171-178. Impact factor 4.444
16. Pappone C and **Santinelli V**. Multielectrode basket catheter: A new tool for curing atrial fibrillation? *Heart Rhythm* 2006 Apr;3(4):385- 386. Impact factor 4.444

17. Pappone C and **Santinelli V**. How to perform encircling ablation of the left atrium. *Heart Rhythm* 2006 Sep;3 (9):1105-1109. Impact factor 4.444
18. Pappone C and **Santinelli V**. Substrate ablation in treatment of atrial fibrillation. *J Cardiovasc Electrophysiol* 2006;17 Suppl: 3: S23-S27, Suppl: 3. Impact factor 3.798
19. Oral H, Pappone C, Chugh A, Good E, Bogun F, Pelosi F, Bates E, Lehmann M, Vicedomini G, Augello G, Agricola E, Sala S, **Santinelli V**, Morady F. Circumferential pulmonary vein ablation for chronic atrial fibrillation: a randomized, controlled study. *The New England Journal of Medicine* 2006 Mar 2; 354 (9): 934-941. Impact Factor 50.017
20. Pappone C, **Santinelli V**. Ablation of atrial fibrillation. *Curr Cardiol Rep* 2006; 8 (5): 343-346
21. Pappone C, **Santinelli V**. Risk stratification for prophylactic ablation in asymptomatic Wolff-Parkinson-white syndrome - Reply. *The New England Journal of Medicine* 2005;352 (1): 93-93. Impact Factor 50.017
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 - **63. Usefulness of Quantitative Voltage Atrial Map Analysis for Prediction of Atrial Fibrillation Recurrence in Patients undergoing Circumferential Pulmonary Vein Ablation.** Pappone C, Rosanio S, **Santinelli V**, Augello G, Pappone A, Gugliotta F, Vicedomini G. Presented at the Congress of North American Society of Pacing and Electrophysiology 2002. *Pacing Clin Electrophysiol* 2002; 25 (2):256A.
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 - **65. Which is the Optimal Ablation Endpoint for Pulmonary Vein Disarticulation? Insight from Circumferential Pulmonary Vein Ablation for Atrial Fibrillation.** Pappone C, Rosanio S, Vicedomini G, Tocchi M, Oreto G, Dicandia C, Gugliotta F, Salvati A and **Santinelli V**. Presented at the American College of Cardiology Congress 2002. *J Am Coll Cardiol* 2002; 39:127A.
 - **66. Nonexcitatory Cardiac Contractility Modulation in Heart Failure: Influence of Stimulated Chamber on Hemodynamic and Mechanical Response.** Pappone C, Rosanio S, Burkhoff D, Mika Y, Vicedomini G, Tocchi M, **Santinelli V**, Shemer I, Prutchi D, Haddad W, Snir Y, Ben-

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- **67. Heart rate variability and recurrence of atrial fibrillation after radiofrequency pulmonary vein isolation.** **Santinelli V**, Rosanio S, Vicedomini G, Tocchi M, Gulletta S, Salvati A, Dicandia C, Di Gioia C, Mazzone P, Pappone C. Presented at the European Society of Cardiology Congress 2001. *Eur Heart J* 2001;22:147-147 P930.
- **68. Clinical outcome and predictors of success after radiofrequency circumferential ablation of pulmonary vein ostia in patients with atrial fibrillation.** Pappone C, Oreto G, Ficarra E, Gugliotta F, Rosanio S, Vicedomini G, Mognetti A, **Santinelli V**, Gulletta S, Salvati A, Mazzone P, Di Gioia C. Presented at the Congress of the North American Society of Pacing and Electrophysiology 2001. *Pacing Clin Electrophysiol.* 2001; 24(4):540:8.
- **69. Effects of circumferential radiofrequency ablation of pulmonary vein ostia on sympathovagal balance in patients with atrial fibrillation.** Pappone C, Rosanio S, Tocchi M, **Santinelli V**, Nardi S, Salvati A, Gulletta S, Dicandia C, Vicedomini G. Accepted for oral presentation at the American College of Cardiology Congress 2001. *J Am Coll Cardiol* 2001; 37: 132A.
- **70. Immediate effects of biventricular pacing on left ventricular wall motion asynchrony in heart failure patients. Quantitative assessment by color kinesis echocardiography.** Pappone C, La Canna G, Rosanio S, Tocchi M, Gugliotta F, Salvati A, **Santinelli V**, Mazzone P, Vicedomini G. Presented at the European Society of Cardiology Congress 2000. *Eur Heart J* 2000; 21:343. P1828

Service as invited Speaker

1. ✓ *Adults with asymptomatic Wolff-Parkinson-White pattern on ECG should undergo EP Testing: here we go again.* Debate as Protagonist Presented at the Hearth Rhythm Congress 27th Annual Scientific Session, Boston, May 17-20, 2006
2. ✓ American College of Cardiology (ACC) .Meet the Experts on *Asymptomatic WPW syndrome*, ACC WPW Panel *debate* “Ablation for all” with Richard Sterba, and George Klein American College of Cardiology Congress 56th Annual Scientific Session, New Orleans, March 24-27, 2007
3. ✓ *Is catheter ablation required in asymptomatic patient with a Wolff- Parkinson.White Syndrome?* Session: How to manage asymptomatic Wolff-Parkinson-White syndrome? European Society of Cardiology (ESC) Congress 2007 Vienna, September 1-5, 2007
4. ✓ *La robotica nel laboratorio di elettrofisiologia* Aggiornamenti 2009 in Patologia Cardio- Vascolare San Giovanni Rotondo 2-4 Aprile 2009.
5. ✓ *Magistrale lecture. Asymptomatic WPW syndrome in the paediatric population.* EUROPACE 2009 Berlin, Germany, June, 21-24, 2009
6. ✓ *Magistrale lecture Targeting the vagal plexi.* EUROPACE 2009 Berlin, Germany, June, 21-24, 2009

Organization of International Courses and Training Programs

Arrhythmology Department Academy

Scientific Director: Vincenzo Santinelli

Prof. Vincenzo Santinelli was the Scientific Director of the Arrhythmology Academy at San Raffaele University-Hospital, Milan from 2005 to 2009, from 2010 to 2014 at Maria Cecilia Hospital and currently, from March 2015 to 2018 at Policlinico San Donato Milanese, Milan. The Academy promotes advances in interventional electrophysiology techniques ensuring these are translated as quickly as possible into healthcare benefits for society. The Academy promotes theory and practice through interactive discussion and comments during live procedure demonstration. It has numerous interactions and partnership in Italy and internationally. Collaboration with industry is also undertaken. These training programs are attended annually by more than 500 interventional electrophysiologists from all around the world. At least 20 expert electrophysiologists are the participating faculty for this course. The Academy is accredited by the European Society of Cardiology (EBAC) and the Heart Rhythm Society (HRS, USA) and in the past it was accredited by the Italian Ministry of Health

□ **State of the Art in AFIB Treatments** Training course for worldwide Trained Cardiologists, Cardiologists in Training, other Physicians, Nurses and Technicians and Electrophysiologists, at the Academy of Arrhythmology San Raffaele University Hospital, Milan, Italy. (a 2- day monthly program since July 2004 on). As the Program is completely based on live sessions of transcatheter ablation procedures and implant of systems for cardiac resynchronisation therapy, the attendees can get directly from the operators the most important tips that make simple an electrophysiology procedure.

