

CURRICULUM VITAE

NOME	<i>GAETANO PAPARELLA</i>
DATA DI NASCITA	<i>11/05/1973</i>
LUOGO DI NASCITA	<i>AVELLINO</i>
NATIONALITA'	<i>ITALIANA</i>
TITOLI	<i>MEDICO-CHIRURGO CARDIOLOGO SPECIALISTA IN ARITMOLOGIA CLINICA ED INVASIVA</i>

FORMAZIONE

- 1991 - 1997: Corso di Laurea in Medicina e Chirurgia presso l'Università degli Studi di Roma "La Sapienza".
Tesi sperimentale: "Calcio-antagonisti ed edema periferico".
Supervisore: Prof. G. Calcagnini. Voto: 110 e lode/110.
- 1998 - 2001: Specializzazione in Cardiologia presso l'Università degli Studi di Trieste.
- Post-graduate in Cardiac Pacing and Electrophysiology presso the Heart Rhythm Management Center – Vrije Universiteit van Brussel. Director Prof. Pedro Brugada
(**endorsed by EHRA – European Heart Rhythm Association**)

LINGUE

- Italiano
- Inglese
- Francese

ESPERIENZE UNIVERSITARIE DI LABORATORIO SPERIMENTALE E CLINICO - STRUMENTALE

- 1996 Dipartimento di Malattie Infettive, Università di Roma “La Sapienza” (Supervisor: Prof. De Bac; Prof. Sorice).
- 1997 Dipartimento di Fisiopatologia Cardiovascolare, Università di Roma “La Sapienza”. Supervisore Prof. G. Calcagnini.
- 1998 Laboratorio di Emodinamica presso l’Università Istituto Campus Biomedico. Supervisore Prof. G. Di Sciascio.
- 1999 – 2001 Dipartimento dello scompenso cardiaco e delle malattie del muscolo cardiaco presso l’Università degli studi di Trieste. Supervisore Dr. G Sinagra
- 2007 – 2009 Post-graduate program in Cardiac Pacing and Electrophysiology presso the Heart Rhythm Management Center – Vrije Universiteit van Brussel. Director Prof. Pedro Brugada
(**endorsed by EHRA – European Heart Rhythm Association**)

COMPETENZE CLINICO-STRUMENTALI DI CARDIOLOGIA

- 1) Unità di terapia intensiva coronarica
- 2) Ambulatorio di Cardiologia clinica generale ed aritmologica
- 3) Test da sforzo e ecocardiografia trans-toracica
- 4) Elettrofisiologia Cardiaca: studi elettrofisiologici transesofagei ed endocavitari, ablazioni di tachicardie sopra-ventricolari (AVNRT, AT, vie accessorie, flutter destri).
- 5) **Ablazioni di aritmie complesse**: ablazione della fibrillazione atriale parossistica e persistente basata sulle tecnologie più moderne (radio-frequenza irrigata unipolare e multipolare, crio-energia), flutter sinistri.
- 6) **Ablazioni di aritmie complesse**: ablazione di extrasistoli ventricolari destre e sinistre di tachicardie ventricolari ischemiche e non ischemiche.
- 7) Cardiac pacing (PM ed ICD monocamerale, bicamerale); siti alternativi di pacing.
- 8) Cardiac resynchronization therapy.

ESPERIENZE LAVORATIVE

- 2001 - 2010 Dirigente Medico ex I° Livello presso il Dipartimento di Cardiologia - Ospedale "S. Tommaso dei Battuti" – Venezia - Responsabile: Dr. R. Cazzin.
- 2007 - 2009 Fellow in Elettrofisiologia presso the Heart Rhythm Management Center – UZ Brussel Direttore Prof. Pedro Brugada
- 2010 - oggi Responsabile della Divisione di Aritmologia Clinica ed Interventistica della:
- Clinique S. Pierre – Ottignies (Brussel Heart Center)
 - Clinique S. Jean – Bruxelles (Brussel Heart Center)
- 2013 - oggi Responsabile della Divisione di Aritmologia Clinica ed Interventistica della:
- Clinique S. Anne/S. Remi – Bruxelles (Brussel Heart Center)

FUNZIONI DI COORDINAZIONE AMMINISTRATIVO-FINANZIARIA

2010 – oggi: Coordinatore unico del programma di Aritmologia Clinica ed Invasiva con incarico di ottimizzazione delle risorse umane e materiali delle sale di Elettrofisiologia del Brussel Heart Center.

01/01/2014 – oggi: Membro effettivo del Consiglio d'Amministrazione del Brussel Heart Center

ATTIVITÀ EDITORIALE

- Membro del Board scientifico del *Journal of Cardiovascular Medicine and Cardiology*
- Dal 2012 editore responsabile della rivista semestrale « Cardiologique » destinata ai Medici di base ed ai Medici specialisti

AFFILIAZIONI A SOCIETÀ SCIENTIFICHE

- Belgium Heart Rhythm Association
- European Heart Rhythm Association
- Associazione Italiana di Aritmologia e Cardioritmologia

ORGANIZZAZIONE CONGRESSI, SIMPOSI, ATTIVITA' SCIENTIFICHE
(Responsabile scientifico)

2011 “Nouvelles technologies pour la prévention de la mort subite chez le patient avec cardiopathie ischémique” – Château de Genval – Bruxelles

2012 « Gestion de la syncope: de l’anamnèse au traitement » – Hotel Hilton – Bruxelles

2013 « Le traitement resynchronisant chez le patient avec décompensation cardiaque : quand et pour quels patients » - Hotel Crowne Plaza – Bruxelles

2014 « Nouvelles frontières pour la prise en charge des patients avec fibrillation auriculaire » - Hotel Crowne Plaza – Bruxelles

Dal **2013** organizzatore del programma “*Generation Electrophysiology*” dedicato alla discussione di casi di elettrofisiologia

INVITED LECTURER a CONGRESSI

- **9/2001 - National Institute of Health - Bethesda – Washington**
“Assessment of coronary flow reserve with trans-thoracic echocardiography”.
- **10/2007 – Venice Arrhythmias Congress – “Management of arrhythmias in heart failure patients”**
- **03/2008 – Meet the Masters Programme – “AV nodal re-entry tachycardia ablation: tips and tricks” – Free University of Brussel**
- **11/2014 – “Voice of the experts” - Hamburg**
- **11/2014 – “New advances in cardiac electrophysiology” – Frankfurt**

TRIALS CLINICI MULTICENTRICI INTERNAZIONALI (principal investigator)

1999/2000	“TEMISTOCLE” STUDY
1999/2000	“COSTAMI” STUDY
2000/2001	“ESTATE” STUDY
2000/2002	Observational study on side effects of nitrates.CARDIOWEB PROJECT.
2006/2007	PREFACE (Study about different pacing mode for AF prevention)
2010/2011	PALLAS (Permanent Atrial fibrillation outcome Study using Dronedarone on top of standard therapy)
2010/2011	CRYSTAL AF (Cryptogenic Stroke and underlying Atrial Fibrillation)
2013	GARFIELD
2014	GLORIA AF
2014	REMARQABLE

PUBLICATIONS Peer-per-viewed

- 1) Functional evaluation of steal by unligated first intercostal branch before trans-catheter embolization in recurrent angina after a LIMA-LAD graft.
Morocutti G, Gasparini D, Spedicato L, Gelsomino S, **Paparella G**, Bernardi G, Fioretti P.
Catheter Cardiovasc Interv. 2002 Jul;56(3):373-6.
- 2) Intraoperative transesophageal echo-Doppler evaluation of stentless aortic xenografts. Incidence and significance of moderate gradients.
Morocutti G, Gelsomino S, Spedicato L, Frassani R, Bernardi G, Da Col P, **Paparella G**, Fioretti P, Livi U.
Cardiovasc Surg. 2002 Aug;10(4):328-32.
- 3) Neurocardiogenic syncope: a case of prolonged asystole.
Serra P, **Paparella G**, Cazzin R.
Ital Heart J. 2004 May;5(5):396-8.
- 4) Genetic basis of ventricular arrhythmias.
Boussy T, **Paparella G**, de Asmundis C, Sarkozy A, Chierchia GB, Brugada J, Brugada R, Brugada P.
Cardiol Clin. 2008 Aug;26(3):335-53, v. Review.
- 5) Persistent left superior vena cava in patients treated with His-bundle pacing: trouble or help?
Paparella G, Chierchia GB, Sarkozy A, Francesconi A, de Asmundis C, Capulzini L, Cazzin R, Brugada P.
Europace. 2008 Sep;10(9):1102-4. Epub 2008 Jun 16.
- 6) First experience with real-time three-dimensional transoesophageal echocardiography-guided transeptal in patients undergoing atrial fibrillation ablation.
Chierchia GB, Capulzini L, de Asmundis C, Sarkozy A, Roos M, **Paparella G**, Boussy T, Van Camp G, Kerkhove D, Brugada P.
Europace. 2008 Nov;10(11):1325-8. Epub 2008 Oct 3.
- 7) Early recovery of pulmonary vein conduction after cryoballoon ablation for paroxysmal atrial fibrillation: a prospective study.
Chierchia GB, de Asmundis C, Müller-Burri SA, Sarkozy A, Capulzini L, **Paparella G**, Chierchia S, Roos M, Brugada P.
Europace. 2009 Apr;11(4):445-9. Epub 2008 Dec 22.

- 8) Different narrow QRS morphologies in the surface ECG: what is the mechanism?
Capulzini L, **Paparella G**, Chierchia GB, De Asmundis C, Sarkozy A, Brugada P.
J Cardiovasc Electrophysiol. 2009 Aug;20(8):952-4. Epub 2009 Feb 2.

- 9) Leaving out control groups: an internal contrast analysis of gene expression profiles in atrial fibrillation patients--a systems biology approach to clinical categorization.
Vanhoutte K, de Asmundis C, Francesconi A, Figysl J, Steurs G, Boussy T, Roos M, Mueller A, Massimo L, **Paparella G**, Van Caelenberg K, Chierchia GB, Sarkozy A, Terradellas PB, Zizi M.
Bioinformatics. 2009;3(6):275-8. Epub 2009 Jan 12.

- 10) Extreme bradycardia during pulmonary vein isolation: keep on ablating in that region?
Capulzini L, Chierchia GB, Sarkozy A, **Paparella G**, de Asmundis C, Brugada P.
J Cardiovasc Med (Hagerstown). 2009 Mar;10(3):267-70.

- 11) Novel trans-septal approach using a Safe Sept J-shaped guidewire in difficult left atrial access during atrial fibrillation ablation.
de Asmundis C, Chierchia GB, Sarkozy A, **Paparella G**, Roos M, Capulzini L, Burri SA, Yazaki Y, Brugada P.
Europace. 2009 May;11(5):657-9. Epub 2009 Apr 10.

- 12) Transseptal puncture for atrial fibrillation ablation in a patient with previous Tirone David intervention: the role of real-time 3D transesophageal echocardiography guidance.
de Asmundis C, Chierchia GB, Sarkozy A, Capulzini L, **Paparella G**, Müller-Burri SA, Roos M, Yazaki Y, Brugada P.
J Cardiovasc Med (Hagerstown). 2009 Jul;10(7):563-4.

- 13) Electro-anatomical mapping in a patient with isolated left ventricular non-compaction and left ventricular tachycardia.
Paparella G, Capulzini L, de Asmundis C, Francesconi A, Sarkozy A, Chierchia G, Brugada P.
Europace. 2009 Sep;11(9):1227-9. Epub 2009 Jun 23.

- 14) Brugada syndrome: the prognostic dilemma and value of syncope.
Paparella G, Sarkozy A, Brugada P.
Minerva Med. 2009 Aug;100(4):307-19. Review.

- 15) Inferior and lateral electrocardiographic repolarization abnormalities in Brugada syndrome.
Sarkozy A, Chierchia GB, **Paparella G**, Boussy T, De Asmundis C, Roos M, Henkens S, Kaufman L, Buyl R, Brugada R, Brugada J, Brugada P.
Circ Arrhythm Electrophysiol. 2009 Apr;2(2):154-61. Epub 2009 Feb 13.
- 16) Ivabradine to treat inappropriate sinus tachycardia after the fast pathway ablation in a patient with severe pectus excavatum.
Capulzini L, Sarkozy A, Semeraro O, **Paparella G**, Chierchia GB, DE Asmundis C, Roos M, Yazaki Y, Muller-Burri A, Sorgente A, Brugada P.
Pacing Clin Electrophysiol. 2010 Mar;33(3):e32-5. Epub 2009 Oct 10.
- 17) Pericardial effusion in atrial fibrillation ablation: a comparison between cryoballoon and radiofrequency pulmonary vein isolation.
Chierchia GB, Capulzini L, Droogmans S, Sorgente A, Sarkozy A, Müller-Burri A, **Paparella G**, de Asmundis C, Yazaki Y, Kerkhove D, Van Camp G, Brugada P.
Europace. 2010 Mar;12(3):337-41. Epub 2010 Jan 6.
- 18) Feasibility, safety, and outcome of a challenging transseptal puncture facilitated by radiofrequency energy delivery: a prospective single-centre study.
Capulzini L, **Paparella G**, Sorgente A, de Asmundis C, Chierchia GB, Sarkozy A, Muller-Burri A, Yazaki Y, Roos M, Brugada P.
Europace. 2010 May;12(5):662-7. Epub 2010 Feb 23.
- 19) Long-term effects of upgrading to biventricular pacing: differences with cardiac resynchronization therapy as primary indication.
Paparella G, Sciarra L, Capulzini L, Francesconi A, De Asmundis C, Sarkozy A, Cazzin R, Brugada P.
Pacing Clin Electrophysiol. 2010 Jul;33(7):841-9. Epub 2010 Feb 18
- 20) Number of electrocardiogram leads displaying the diagnostic coved-type pattern in Brugada syndrome: a diagnostic consensus criterion to be revised.
Richter S, Sarkozy A, **Paparella G**, Henkens S, Boussy T, Chierchia GB, Brugada R, Brugada J, Brugada P.
Eur Heart J. 2010 Jun;31(11):1357-64. Epub 2010 Mar 16.
- 21) Genetic basis of ventricular arrhythmias.
Boussy T, **Paparella G**, de Asmundis C, Sarkozy A, Chierchia GB, Brugada J, Brugada R, Brugada P.
Heart Fail Clin. 2010 Apr;6(2):249-66.

- 22) Dissociation between Anterograde and Retrograde Conduction during Transvenous Cryoablation of Parahissian Accessory Pathways.
Sorgente A, **Paparella G**, Chierchia GB, Sarkozy A, DE Asmundis C, Müller-Burri SA, Yazaki Y, Capulzini L, Brugada P.
Pacing Clin Electrophysiol. 2011 Nov;34(11):e98-e101. doi: 10.1111/j.1540-8159.
- 23) Cryoballoon ablation for paroxysmal atrial fibrillation in septuagenarians: a prospective study.
Chierchia GB, Capulzini L, de Asmundis C, Sarkozy A, Sorgente A, Yazaki Y, Muller-Burri SA, **Paparella G**, Lameir M, Bayrak F, De Ponti R, Brugada P
Indian Pacing Electrophysiol J. 2010 Sep 5;10(9):393-9.
- 24) Anatomical extent of pulmonary vein isolation after cryoballoon ablation for atrial fibrillation: comparison between the 23 and 28 mm balloons.
Chierchia GB, de Asmundis C, Sorgente A, **Paparella G**, Sarkozy A, Müller-Burri SA, Capulzini L, Yazaki Y, Brugada P.
J Cardiovasc Med (Hagerstown). 2011 Mar;12(3):162-6.
- 25) Atrial fibrillation ablation: a single center comparison between remote magnetic navigation, cryoballoon and conventional manual pulmonary vein isolation.
Sorgente A, Chierchia GB, Capulzini L, Yazaki Y, Muller-Burri A, Bayrak F, Sarkozy A, de Asmundis C, **Paparella G**, Brugada B.
Indian Pacing Electrophysiol J. 2010 Dec 26;10(11):486-95.
- 26) Ajmaline challenge in young individuals with suspected Brugada syndrome.
Sorgente A, Sarkozy A, De Asmundis C, Chierchia GB, Capulzini L, **Paparella G**, Henkens S, Brugada P.
Pacing Clin Electrophysiol. 2011 Jun;34(6):736-41.
- 27) The value of a family history of sudden death in patients with diagnostic type I Brugada ECG pattern.
Sarkozy A, Sorgente A, Boussy T, Casado R, **Paparella G**, Capulzini L, Chierchia GB, Yazaki Y, De Asmundis C, Coomans D, Brugada J, Brugada P.
Eur Heart J. 2011 Sep;32(17):2153-60
- 28) Dronedaronone in high-risk permanent atrial fibrillation.
Connolly SJ, Camm AJ, Halperin JI et al.; PALLAS Investigators.
N Engl J Med. 2012 Feb 16;366(7):672.

- 29) The usefulness of the consensus clinical diagnostic criteria in Brugada syndrome.
Sarkozy A, Paparella G, Boussy T, Brugada P.
International Journal of Cardiology 2013 Sep 10;167:2700-4.
- 30) Verification of pulmonary vein isolation during single transeptal cryoballoon ablation: a comparison between the classical circular mapping catheter and the inner lumen mapping catheter. Chierchia GB, Namdar M, Sarkozy A, Sorgente A, de Asmundis C, Casado-Arroyo R, Capulzini L, Bayrak F, Rodriguez-Mañero M, Ricciardi D, Rao JY, Overeinder I, **Paparella G**, Brugada P.
Europace. 2012 Dec;14(12):1708-14.
- 31) Cryoballoon ablation as index procedure for paroxysmal atrial fibrillation: long-term results from a single center early experience.
Rao JY, Chierchia GB, de Asmundis C, Casado-Arroyo R, Overeinder I, Sarkozy A, **Paparella G**, Capulzini L, Sorgente A, Rodriguez-Manero M, Ricciardi D, Namdar M, Brugada P.
J Cardiovasc Med (Hagerstown). 2014 Mar;15(3):194-8.
- 32) Entrapment and fracture of a 'lasso-like' ACHIEVE™ catheter in a pulmonary vein branch during isolation by balloon cryoablation.
Wansa NJ, **Paparella G**, De Roy LJ.
Europace. 2014 Mar;16(3):334
- 33) Initial experience of three-minute freeze cycles using the second-generation cryoballoon ablation: acute and short-term procedural outcomes.
Chierchia GB, Di Giovanni G, Sieira-Moret J, de Asmundis C, Conte G, Rodriguez-Mañero M, Casado-Arroyo R, Baltogiannis G, **Paparella G**, Ciconte G, Sarkozy A, Brugada P.
J Interv Card Electrophysiol. 2014 Mar;39(2):145-51
- 34) Second-generation cryoballoon ablation for paroxysmal atrial fibrillation: 1-year follow-up.
Chierchia GB, Di Giovanni G, Ciconte G, de Asmundis C, Conte G, Sieira-Moret J, Rodriguez-Mañero M, Casado R, Baltogiannis G, Namdar M, Saitoh Y, **Paparella G**, Mugnai G, Brugada P.
Europace. 2014 May; 16(5):639-44.
- 35) Cryptogenic stroke and underlying atrial fibrillation.
Sanna T, Diener HC, Passman RS et al Crystal AF Investigators.
N Engl J Med 2014 Jun 26; 370(26):2478-86.
- 36) Self-isolated pulmonary vein.
Wansa N, Venet C, **Paparella G**.
Europace 2014 Jul 16:986

PARTECIPAZIONE A CONGRESSI

- 5/1999 XXX Italian National Congress of Cardiology. A.N.M.C.O. Florence.
- 6/2001 “New strategies to treat acute myocardial infarction”. Padriciano. Trieste.
- 10/2001 “New echocardiographic technologies beyond the slides”. Udine.
- 10/2001 National Congress of Italian Society of haemodynamic studies.. Cernobbio -Como.
- 4/2002 Congress of Italian Society of electrophysiology and cardiac pacing (A.I.A.C.). Bologna.
- 10/2002 “Current concepts in myocardial ischemia and vascular diseases”. Neaples.
- 03-06/12/2002 “Progress in clinical pacing”- Rome.
- 31/5-04/06/2003 XXXIV Italian National Congress of Cardiology. A.N.M.C.O. Florence.
- 05-08/10/2003 “Venice Arrhythmias 2003” – Venice.
- 22–24/10/2003 III° National Course of cardiac electrophysiology. Conegliano - Treviso
- 4/2004 Congress of Italian Society of electrophysiology and cardiac pacing (A.I.A.C.). Naples.
- 10/2005 “Venice Arrhythmias 2003” – Venice.
- 4/2006 Congress of Italian Society of electrophysiology and cardiac pacing (A.I.A.C.). Como.
- 12/2006 “Progress in clinical pacing”- Rome
- 6/2007 EUROPACE – Lisbon
European Heart Rhythm Association (EHRA) AWARDED for a fellowship in Cardiac Electrophysiology
- 10/2007 “Venice Arrhythmias” – Venice
- 12/2010 “Progress in Clinical Pacing” – Rome
- 3/2011 “Afib alliance” - Wien
- 6/2011 “Cardiostim” – Nice
- 3/2012 “Afib Alliance” – Prague
- 12/2012 “Progress in clinical pacing”- Rome.

6/2013 Europace – Athens

3/2014 “Afib Alliance” – Prague

9/2014 ISCAT - Paris

COMUNICAZIONI A CONGRESSI

5/1999 - Italian National Congress of Cardiology (A.N.M.C.O.) –

“Assessment of criteria to form waiting lists for hemodynamic study”.

9/2001 - National Institute of Health - Bethesda – Washington

“Assessment of coronary flow reserve with trans-thoracic echocardiography”.

4/2002 - Congress of Italian Society of Electrophysiology and cardiac pacing (A.I.A.C.) –

“Concession of driving license to patients treated with pacemaker implantation”.

11/2002

“Reverse remodeling in patients with advanced heart failure treated biventricular pacing”.

12/2002 - Progress in Clinical Pacing Rome –

“Echo-Doppler analysis in patients with biventricular pacing: differences between responders and non-responders”.

“Biventricular pacing: preliminary experience with a new device”.

10/2003 - Venice Arrhythmias 2003 –

“Effects of resynchronization therapy (upgrading) in patients with conventional pacing”.

“Effects of cardiac resynchronization therapy on reverse remodelling and clinical events”.

“Cardiac resynchronization: multicenter experience with a new coronary sinus lead”.

“Echo-Doppler evaluation of cardiac resynchronization therapy: differences between responders and non-responders”.

“Biventricular pacing: comparative effects in patients with atrial fibrillation and sinus rhythm”.

10/2007 – Venice Arrhythmias Congress –

“Management of arrhythmias in heart failure patients”

11/2014 – “Voice of the experts” - Hamburg

11/2014 – “New advances in cardiac electrophysiology” - Frankfurt

Bruxelles, 25/02/2015

Dr. Gaetano Paparella