



PROGRESS
in Clinical Pacing

The Meeting that multiplies your skills

**EXPERIENCE THE NEW
CONGRESS DIMENSION**

December
4-6, 2018

**18th INTERNATIONAL SYMPOSIUM ON
PROGRESS IN CLINICAL PACING**

Ergife Palace Hotel - Rome, Italy



Chairman Massimo Santini & Co-Chairman Luca Santini

www.progressinclinicalpacing.com

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini



AIAC

Associazione Italiana Aritmologia e Cardiolazione



UNDER THE AUSPICES OF

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

FACULTY	3
TIMETABLE	8
SCIENTIFIC PROGRAMME	
Tuesday, December 4	14
Wednesday, December 5	58
Thursday, December 6	107
POSTER SESSION	149

CONTENTS

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

- A. Adami (Negrar-VE, I)
C. Adduci (Milan, Italy)
P.M.G. Agricola (Piacenza, Italy)
H. Alì (Rozzano-MI, Italy)
E. Aliot (Nancy, France)
E.U. Alt (Houston-TX, USA)
G. Altamura (Rome, Italy)
V. Altamura (Rome, Italy)
C. Amellone (Ciriè-TO, Italy)
F. Ammirati (Rome, Italy)
G. Ammirati (Naples, Italy)
J. Andrade (Vancouver, Canada)
F. Andreotti (Rome, Italy)
I. Anguera (Barcelona, Spain)
G. Ansalone (Rome, Italy)
M. Anselmino (Turin, Italy)
K. Aonuma (Tsukuba, Japan)
A. Ardashev (Moscow, Russia)
G. Arena (Massa, Italy)
E. Artyukhina (Moscow, Russia)
N. Aspromonte (Rome, Italy)
G. Augello (Milan, Italy)
C. Autore (Rome, Italy)
A. Avella (Rome, Italy)
P. Azzolini (Rome, Italy)
M.S. Baccillieri (Camposampiero-PD, Italy)
G. Barbato (Bologna, Italy)
D. Bastian (Fuerth, Germany)
F. Bellocci (Rome, Italy)
K. Bellos (Athens, Greece)
G. Belotti (Bergamo, Italy)
G. Bencardino (Rome, Italy)
G. Bencsik (Szeged, Hungary)
D.G. Benditt (Minneapolis-MN, USA)
S. Benussi (Zurich, Switzerland)
O. Berenfeld (Ann Arbor-MI, USA)
S. Bianchi (Rome, Italy)
A. Biffi (Rome, Italy)
F. Biscione (Rome, Italy)
G. Bisignani (Castrovillari-CS, Italy)
J.J. Blanc (Brest, France)
M. Bocchiardo (Pietra Ligure-SV, Italy)
C. Boggian (Bologna, Italy)
M.V. Bonfantino (Bari, Italy)
M.G. Bongiorno (Pisa, Italy)
L. Bontempi (Brescia, Italy)
G. Boriani (Bologna, Italy)
A. Borrelli (Rome, Italy)
G.L. Botto (Como, Italy)
F. Bourier (Munich, Germany)
N.G. Boyle (Los Angeles-CA, USA)
J. Brachmann (Coburg, Germany)
D. Brala (Berlin, Germany)
F. Briand (Besançon, France)
G. Bronzetti (Bologna, Italy)
C. Bucciarelli Ducci (Bristol, UK)
A. Bulava (České Budějovice, Czech Republic)
C. Butter (Bernau, Germany)
N. Cabanelas (Lisbon, Portugal)
J.A. Cabrera Rodriguez (Madrid, Spain)
L. Calò (Rome, Italy)
R. Calvanese (Naples, Italy)
V.I. Calvi (Catania, Italy)
A. Campana (Salerno, Italy)
U. Canpolat (Ankara, Turkey)
K. Cao (Nanjing, China)
D. Caponi (Asti, Italy)
R. Cappato (Milan, Italy)
A. Capucci (Ancona, Italy)
F. Caravati (Varese, Italy)
C. Carbucicchio (Milan, Italy)
F. Carré (Rennes, France)
G. Carreras (Terni, Italy)
M. Casella (Milan, Italy)
S. Castelletti (London, UK)
A. Castro (Rome, Italy)
D. Catanzariti (Rovereto-TN, Italy)
J. Catanzaro (Jacksonville-FL, USA)
S.J. Cazeau (Paris, France)
I. Cazzoli (London, UK)
P. Cerofolini (Milan, I)
N. Cerrato (Alba-CN, Italy)
R. Chauvel (Bordeaux, France)
M. Chauvin (Strasbourg, France)
G. Cheniti (Sousse, Tunisia)
P. Chevalier (Lyon, France)
L. Chiariello (Rome, Italy)
G.B. Chierchia (Brussels, Belgium)
L.A. Chinitz (New York-NJ, USA)
A. Chu (Providence-RI, USA)
C. Cianfrocca (Rome, Italy)
G. Ciaramitaro (Palermo, Italy)
A. Ciccaglioni (Rome, Italy)
G. Ciconte (Catanzaro, Italy)
J. Clementy (Bordeaux, France)
A. Colella (Florence, Italy)
F. Colivicchi (Rome, Italy)
F. Condemi (Rome, Italy)
G. Conte (Lugano, Switzerland)
D. Corradi (Parma, Italy)
L. Costantini (Pavia, Italy)
F. Crea (Rome, Italy)
E. Cronin (Hartford, USA)
L. Crotti (Pavia, Italy)
E. Crystal (Toronto-ON, Canada)
A. Cuko (S. Donato Milanese-MI, Italy)
A. Curcio (Catanzaro, Italy)
A. Curnis (Brescia, Italy)
A. D'Onofrio (Naples, Italy)
C. D'Agostino (Bari, Italy)
K. Dagriri (Riyadh, Saudi Arabia)
Y. Dai (Beijing, China)
J.C. Daubert (Rennes, France)
C. De Asmundis (Brussels, Belgium)

FACULTY

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

- S. De Bonis (Castrovillari-CS, Italy)
G. De Fabrizio (Avellino, Italy)
G. De Ferrari (Pavia, Italy)
Y. De Greef (Antwerp, Belgium)
G. De Martino (Bari, Italy)
L. De Mattia (Treviso, Italy)
R. De Paulis (Rome, Italy)
R. De Ponti (Varese, Italy)
T. De Potter (Aalst, Belgium)
E. De Ruvo (Rome, Italy)
F. De Vecchi (Novara, Italy)
H. De Wilde (Gent, Belgium)
T.F. Deering (Atlanta-TX, USA)
M. Del Greco (Rovereto-TN, Italy)
P. Della Bella (Milan, Italy)
D.G. Della Rocca (Rome, Italy)
P.P. Delnoy (Zwolle, The Netherlands)
L. Di Biase (New York-NJ, USA)
S.A. Di Fusco (Rome, Italy)
B. Di Giacinto (Rome, Italy)
G. Di Stolfo (Foggia, Italy)
C. Dicandia (Bari, Italy)
I. Diemberger (Bologna, Italy)
G. Domenichini (Geneva, Switzerland)
P. Donateo (Lavagna-GE, Italy)
S. Donzelli (Terni, Italy)
F. Drago (Rome, Italy)
A. Droghetti (Mantova, Italy)
M. Dubuc (Montreal-QC, Canada)
V. Ducceschi (Valle Lucania-SA, Italy)
J. Duchateau (Bordeaux, France)
D. Dugo (Catania, Italy)
V. Dusi (Pavia, Italy)
M. Duytschaever (Bruges, Belgium)
J. Ector (Leuven, Belgium)
N. Edvardsson (Gothenburg, Sweden)
N. El Sherif (New York-NJ, USA)
Z. Eldadah (Washington-DC, USA)
C. Ermis (Antalya, Turkey)
C. Esposito (Salerno, Italy)
H.I. Estner (Munich, Germany)
M. Fantinel (Feltre-BL, Italy)
G.M. Fassini (Milan, Italy)
S. Favale (Bari, Italy)
F. Fedele (Rome, Italy)
A. Feldman (Afula, Israel)
F. Ferraris (Turin, Italy)
S. Ferretto (Padua, Italy)
S. Fichtner (Munich, Italy)
S. Ficili (Rome, Italy)
G.B. Forleo (Milan, Italy)
N. Fragakis (Thessaloniki, Greece)
E. Franchi (Verona, Italy)
P. Francia (Rome, Italy)
A. Frontera (Milan, Italy)
S. Fumagalli (Florence, Italy)
F. Furlanello (Trento, Italy)
L. Fusè (Legnano-MI, Italy)
M. Galeazzi (Rome, Italy)
M. Gallagher (London, UK)
S. Gallo (Rome, Italy)
E. Gandolfi (Alessandria, Italy)
J.J. Garcia Guerrero (Badajoz, Spain)
A. Gaspardone (Rome, Italy)
M. Gasparini (Milan, Italy)
G. Gensini (Florence, Italy)
M. Giaccardi (Florence, Italy)
F. Giada (Mestre-VE, Italy)
L. Gianfranchi (Cento-FE, Italy)
G. Giannola (Palermo, Italy)
G. Giunta (Rome, Italy)
A. Grace (Cambridge, UK)
A.C.L. Graffigna (Trento, Italy)
G. Grifoni (Florence, Italy)
M. Grimaldi (Acquaviva delle Fonti-BA, Italy)
E.G. Gronda (Milan, Italy)
S. Grossi (Turin, Italy)
F. Guarracini (Trento, Italy)
P.G. Guerra (Montreal-QC, Canada)
M.M. Gulizia (Catania, Italy)
M. Gwechenberger (Vienna, Austria)
B. Herweg (Tampa-FL, USA)
K. Hirao (Tokyo, Japan)
D. Huang (Chengdu, China)
S. Iacopino (Lamezia Terme-CZ, Italy)
K. Imai (Hiroshima, Japan)
G. Inama (Cremona, Italy)
T. Infusino (Catanzaro, Italy)
T. Ishikawa (Yokohama, Japan)
L.J.L.M. Jordaens (Ghent, Belgium)
S. Kapa (Rochester-MN, USA)
R. Kato (Saitama, Japan)
C. Kennergren (Goteborg, Sweden)
L. Klein (S. Francisco-CA, USA)
D. Klug (Lille, France)
Y. Kondo (Chiba, Japan)
S. Koulouris (Neuendettelsau, Germany)
N. Krasniqi (Wetzikon, Switzerland)
J. Kuschyk (Heidelberg, Germany)
A. Kutarski (Lublin, Poland)
M. La Meir (Maastricht, The Netherlands)
F. Lambertini (Rome, Italy)
M. Landolina (Crema-CR, Italy)
S. Laranjo (Lisbon, Portugal)
G. Lascault (Saint Denis, France)
F. Laurenzi (Rome, Italy)
C. Lavallo (Rome, Italy)
J.Y. Le Heuzey (Paris, France)
B.K. Lee (San Francisco-CA, USA)
L. Leoni (Padua, Italy)
K. Letsas (Athens, Greece)
S. Levy (Marseille, France)
G. Licciardello (Augusta-SR, Italy)
T.C.A. Lobban (Stratford Upon Avon, UK)

FACULTY

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

- E.T. Locati (Milan, Italy)
C.J. Love (Columbus-OH, USA)
M. Lovric Bencic (Zagreb, Hungary)
R. Luise (L'Aquila, Italy)
M.G. Lunati (Milan, Italy)
M. Luzi (Macerata, Italy)
G. Luzzi (Bari, Italy)
A.H. Maass (Groningen, The Netherlands)
M. Madalosso (Mestre-VE, Italy)
G.B. Magenta (Milan, Italy)
A.P. Maggioni (Florence, Italy)
G. Magliá (Catanzaro, Italy)
G. Magliano (Rome, Italy)
K. Mahfouz (Rome, Italy)
D. Malaspina (Milan, Italy)
B. Malecka (Krakow, Poland)
L. Mancini (Bari, Italy)
M. Manfrin (Bolzano, Italy)
R. Mango (Rome, Italy)
A.S. Manolis (Athens, Greece)
R. Mantovan (Conegliano Veneto-TV, Italy)
L. Marcantoni (Rovigo, Italy)
P. Marchese (Ascoli Piceno, Italy)
M. Marini (Trento, Italy)
M. Marletta (Rome, Italy)
P.N.C. Marques (Lisbon, Portugal)
E. Marras (Mestre-VE, Italy)
N. Marrouche (Salt Lake City, USA)
M. Martinek (Linz, Austria)
J.G. Martinez (Alicante, Spain)
G. Mascioli (Bergamo, Italy)
G. Massoullie (Clermont Ferrand, France)
S. Matsuo (Tokyo, Japan)
P.T. Matusik (Krakow, Poland)
A. Mazza (Orvieto-TR, Italy)
P. Mazzone (Milan, Italy)
T. Mela (Boston-MA, USA)
F. Melandri (Sassuolo-MO, Italy)
D. Melissano (Casarano-LE, Italy)
A. Metzner (Hamburg, Germany)
J. Michaelson (Lingen, Germany)
A. Michelucci (Florence, Italy)
L.G. Molina (Mexico City, Mexico)
G. Montalescot (Paris, France)
R. Morgagni (Rome, Italy)
J. Morgan (Southampton, UK)
A. Mortara (Monza, Italy)
F.M. Moscoso Costa (Carnaxide, Portugal)
N. Murakoshi (Tsukuba, Japan)
F. Musumeci (Rome, Italy)
G. Musumeci (Cuneo, Italy)
T. Nakai (Tokyo, Japan)
Y. Nakazato (Tokyo, Japan)
C. Napolitano (Milan, Italy)
F. Nappi (Avellino, Italy)
M.L. Narducci (Rome, Italy)
A. Natale (Austin-TX, USA)
I. Nault (Quebec, Canada)
G. Negro (Milan, Italy)
K. Nentwich (Bad Neustadt, Germany)
P. Neuzil (Prague, Czech Republic)
B. Nguyen (Rome, Italy)
G. Nigro (Naples, Italy)
V. Nissardi (Cagliari, Italy)
H. Niu (Beijing, China)
E. Occhetta (Novara, Italy)
K. Okishige (Yokohama, Japan)
M. Oliveira (Lisbon, Portugal)
J. Osca Asensi (Valencia, Spain)
O. Oseroff (Buenos Aires, Argentina)
B. Osswald (Düsseldorf, Germany)
L. Ottaviano (Milan, Italy)
D.L. Packer (Rochester-MN, USA)
C. Pandozi (Rome, Italy)
A. Pani (Lecco, Italy)
G. Paparella (Brussels, Belgium)
L.P. Papavasileiou (Athens, Greece)
A. Pappalardo (Rome, Italy)
S. Paraskevaidis (Thessaloniki, Greece)
Q. Parisi (Campobasso, Italy)
J.L. Pasquié (Montpellier, France)
G. Pastore (Rovigo, Italy)
G. Patti (Rome, Italy)
P. Peichl (Prague, Czech Republic)
D. (Piacenza, Italy)
V. Pennisi (Reggio Calabria, Italy)
F. Pentimalli (Savona, Italy)
A. Peralta (Boston-MA, USA)
F. Perna (Rome, Italy)
L. Perrotta (Frankfurt, Germany)
B. Petracci (Pavia, Italy)
M. Piacenti (Pisa, Italy)
G. Picciolo (Messina, Italy)
P. Pieragnoli (Florence, Italy)
C. Pignalberi (Rome, Italy)
R. Piotrowicz (Warsaw, Poland)
A. Piro (Rome, Italy)
E.C.L. Pisanò (Lecce, Italy)
A. Placci (Parma, Italy)
A. Polewczyk (Kielce, Poland)
G. Pontone (Milan, Italy)
G. Porcedda (Florence, Italy)
D. Porcelli (Rome, Italy)
M. Porcu (Cagliari, Italy)
A. Porta-Sanchez (Madrid, Spain)
G. Pozza (Milan, Italy)
C. Pratola (Ferrara, Italy)
M. Proietti (Rome, Italy)
R. Proietti (Terni, Italy)
A. Pump (Budapest, Hungary)
F. Quadri (Acquaviva delle Fonti-BA, Italy)
A. Quesada (Valencia, Spain)
G. Quirino (Cosenza, Italy)
M. Rafanelli (Florence, Italy)

FACULTY

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

- P. Raffaelli (Brussels, Belgium)
A. Rapacciuolo (Naples, Italy)
W. Rauhe (Bolzano, Italy)
A. Raviele (Mestre-VE, Italy)
M. Rebecchi (Rome, Italy)
R. Remoli (Rome, Italy)
V. Ribatti (Milan, Italy)
R.P. Ricci (Rome, Italy)
D. Ricciardi (Rome, Italy)
G. Ricciardi (Florence, Italy)
C. Riganti (Naples, Italy)
M. Rillo (Taranto, Italy)
A. Rinaldi (London, UK)
T. Rio (Pesaro, Italy)
A. Ronaszeki (Nice, France)
R. Rordorf (Pavia, Italy)
L. Rossi (Piacenza, Italy)
P. Rossi (Rome, Italy)
A. Rossillo (Vicenza, Italy)
R. Rossini (Cuneo, Italy)
G. Rovaris (Monza, Italy)
M.P. Ruggieri (Rome, Italy)
A.M. Russo (Camden-NJ, USA)
M. Russo (Rome, Italy)
V. Russo (Taranto, Italy)
G. Sabino (Sassari, Italy)
A. Sagone (Sesto S. Giovanni-MI, Italy)
S. Saksena (New Brunswick-NJ, USA)
A. Salvati (Rome, Italy)
A. Sanniti (Rome, Italy)
M. Santamaria (Campobasso, Italy)
P. Santangeli (Philadelphia-PA, USA)
L. Santini (Rome, Italy)
M. Santini (Rome, Italy)
V.E. Santobuono (Bari, Italy)
M. Santomauro (Naples, Italy)
P. Sartori (Genoa, Italy)
B. Sarubbi (Naples, Italy)
B. Sassone (Cento-FE, Italy)
K. Satomi (Tokyo, Japan)
M. Scaglione (Asti, Italy)
A. Scalone (Cagliari, Italy)
A. Scarà (Rome, Italy)
V. Schillaci (Mercogliano-AV, Italy)
A. Schirdewan (Berlin, Germany)
H. Schmidinger (Vienna, Austria)
B. Schmidt (Frankfurt, Germany)
C. Schoebel (Berlin, Germany)
J. Schrieck (Tübingen, Germany)
C. Schukro (Vienna, Austria)
J.O. Schwab (Bonn, Germany)
P. Scipione (Fabriano-AN, Italy)
A. Scopinaro (Alessandria, Italy)
L. Segreti (Pisa, Italy)
J. Seitz (Marseille, France)
Y. Sekiguchi (Tsukuba, Japan)
G. Senatore (Ciriè-TO, Italy)
K. Senoo (Kyoto, Japan)
M. Sgueglia (Rome, Italy)
R.S. Sheldon (Calgary-AB, Canada)
W. Shimizu (Tokyo, Japan)
M. Shoda (Tokyo, Japan)
A. Shute (Sunnyvale-Ca, USA)
M.S. Silveti (Rome, Italy)
G. Sirico (Milan, Italy)
E. Soldati (Pisa, Italy)
F. Solimene (Mercogliano-AV, Italy)
P. Sommer (Leipzig, Germany)
D. Spaziani (Magenta-MI, Italy)
G. Speciale (Rome, Italy)
S. Spitzer (Dresden, Germany)
G. Stabile (Naples, Italy)
C.T. Starck (Zürich, Switzerland)
F. Stazi (Rome, Italy)
P. Stefano (Florence, Italy)
S. Strano (Rome, Italy)
R. Sutton (London, UK)
S. Szili-Torok (Rotterdam, The Netherlands)
M. Taborsky (Olomouc, Czech Republic)
H. Tada (Fukui, Japan)
M. Takagi (Osaka, Japan)
N. Takahashi (Oita, Japan)
S. Takatsuki (Tokyo, Japan)
M. Takigawa (Tokyo, Japan)
S. Themistoclakis (Mestre-VE, Italy)
D.A.M.J. Theuns (Rotterdam, The Netherlands)
B. Thibault (Montreal-QC, Canada)
D. Thomas (Heidelberg, Germany)
J.M. Tolosana (Barcelona, Spain)
F. Tomai (Rome, Italy)
M. Tomaino (Bolzano, Italy)
C. Tondo (Milan, Italy)
D. Toni (Rome, Italy)
S.M. Toscano (Colleferro-RM, Italy)
H.J. Trappe (Herne, Germany)
N. Trevisi (Milan, Italy)
M. Tritto (Castellanza-VA, Italy)
M. Tubaro (Rome, Italy)
G. Turitto (New York-NJ, USA)
F. Turreni (Rome, Italy)
A. Ungar (Florence, Italy)
A. Vado (Cuneo, Italy)
F. Vassanelli (Brescia, Italy)
V.P. Vassilikos (Thessaloniki, Greece)
P. Verdecchia (Perugia, Italy)
P. Vergara (Milan, Italy)
E.G. Vester (Dusseldorf, Germany)
F. Vetta (Rome, Italy)
R. Vijayvergiya (Chandigarh, India)
A. Vincenti (Milan, Italy)
G. Viola (Nuoro Italy)
L. Vitali Serdoz (Fuerth, Germany)
K. Vlachos (Athens, Greece)
T. Vogtmann (Postdam, Germany)

FACULTY

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

M. Volpicelli (Naples, Italy)
C. Wolpert (Ludwigsburg, Germany)
M. Wright (London, UK)
M. Xiang (Hangzhou, China)
T. Yamane (Tokyo, Japan)
K. Yamashiro (Osaka, Japan)
S.C. Yap (Rotterdam, The Netherlands)
V. Zacà (Siena, Italy)
F. Zanon (Rovigo, Italy)
G. Zanutto (Legnago-VR, Italy)
P. Zartner (Sankt Augustin, Germany)
M. Zecchin (Trieste, Italy)
J. Zeitani (Naples, Italy)
S. Zhang (Beijing, China)
M. Ziacchi (Bologna, Italy)
G. Zingarini (Perugia, Italy)
B. Zrenner (Landshut, Germany)
L.M. Zuccaro (Rome, Italy)

FACULTY

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Tuesday, December 4

LEPTIS MAGNA 2	LEPTIS MAGNA 4	TARRAGONA	SPALATO
9.00 - 10.30	9.00 - 10.30 SYMPOSIUM A new way to think about AF ablation	9.00 - 10.30 ADVANCED COURSE ON LEAD EXTRACTION News in lead management SESSION I	9.00 - 10.30 SYMPOSIUM When AF ablation drives to atrial tachycardia...
10.30 - 11.00 BREAK AND SPEAKER CORNER			
11.00 - 12.30 TECHNOLOGY AT COMPARISON Mapping system and ablation catheters at comparison	11.00 - 12.30 SYMPOSIUM Debatable first option pacing treatments	11.00 - 12.30 ADVANCED COURSE ON LEAD EXTRACTION Lead extraction techniques SESSION II	11.00 - 12.30 SYMPOSIUM How to manage the 3 Brugada syndrome types
12.30 - 13.30 TECHNOLOGY AT COMPARISON Comparing currently available ILR devices: strenght and weakness	12.30 - 13.15 THE BIG BROTHER CORNER Shall we start anticoagulation therapy soon after detecting silent AF (lasting >6 minutes and <24H) in CIEDs patients? VIDEO SESSION	12.30 - 14.00 ADVANCED COURSE ON LEAD EXTRACTION Lead's extraction: the best technique for the right patient SESSION III	12.30 - 14.00 SYMPOSIUM SCD prevention academy award: "...and the Oscar goes to...S-ICD!"
13.30 - 14.00 ONE AGAINST ALL AF catheter ablation in advanced heart failure	13.15 - 14.00 THE BIG BROTHER CORNER Looking for AF in single chamber ICD: more benefits from special leads or special algorithms? VIDEO SESSION		
14.00 - 14.30 BREAK AND SPEAKER CORNER			
14.30 - 16.00 TECHNOLOGY AT COMPARISON Usefull and useless ICD algorithms	14.30 - 16.00 SYMPOSIUM Debatable first option ablation treatments	14.30 - 16.00 STATE OF THE ART "LECTURES"	14.30 - 16.00 SYMPOSIUM Cryo-balloon: a "deep in" session
16.00 - 16.45 3D DEBATES Silent AF detection: what's better?	16.00 - 16.45 THE BIG BROTHER CORNER Asymptomatic Brugada patients: EP study is useful or not? VIDEO SESSION	16.00 - 17.30 SYMPOSIUM Should we rething of the role of the atrium in cardiac pacing and CRT?	16.00 - 17.30 SYMPOSIUM CRT: the 3 L LAW Location, Location, Location
16.45 - 17.30 DEBATE How to ablate paroxysmal AF	16.45 - 17.30 THE BIG BROTHER CORNER VT ablation approach in patients with non ischemic cardiomyopathy VIDEO SESSION		
18.00 - 20.00 OPENING CEREMONY AND MAGISTRAL LECTURES			

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Tuesday, December 4

POLA	CESAREA	ORANGE 2	ORANGE 1
<p>9.00 - 10.30 FOCUS ON ECG: Beyond the lines An International Advanced Course on Arrhythmias ECG interpretation <i>Supported by Bruno Farmaceutici</i> ECG Interpretation: Let's talk about bradycardia SESSION I</p>	<p>9.00 - 10.30 HOW TO SESSION How to safely perform</p>	<p>9.00 - 10.30 SYMPOSIUM How reduce X-RAY exposure in EP procedures</p>	<p>9.00 - 10.30 CORSO AVANZATO DI ARITMOLOGIA ED EMODINAMICA PER INFERMIERI E TECNICI DI CARDIOLOGIA</p>
10.30 - 11.00 BREAK AND SPEAKER CORNER			
<p>11.00 - 12.30 FOCUS ON ECG: Beyond the lines An International Advanced Course on Arrhythmias ECG interpretation <i>Supported by Bruno Farmaceutici</i> ECG Interpretation: Around Tachycardia SESSION II</p>	<p>11.00 - 12.30</p>	<p>11.00 - 12.30 SYMPOSIUM Latest developments in device therapy for heart failure <i>Supported by Medtronic</i></p>	<p>11.00 - 12.30 CORSO AVANZATO DI ARITMOLOGIA ED EMODINAMICA PER INFERMIERI E TECNICI DI CARDIOLOGIA</p>
<p>12.30 - 14.00 FOCUS ON ECG: Beyond the lines An International Advanced Course on Arrhythmias ECG interpretation <i>Supported by Bruno Farmaceutici</i> ECG Interpretation: ...in the Emergency Department SESSION III</p>	<p>12.30 - 14.00 SYMPOSIUM Choosing the best device for primary prevention of SCD</p>	<p>12.30 - 14.00 SYMPOSIUM Implantable medical devices: innovation, safety and effective cooperation <i>Supported by Abbott Medical Italia</i></p>	<p>12.30 - 14.00 FREE PAPERS Syncope and Sudden Death</p>
14.00 - 14.30 BREAK AND SPEAKER CORNER			
<p>14.30 - 16.00 SYMPOSIUM New glimps into Brugada Syndrome</p>	<p>14.30 - 16.00 SYMPOSIUM A modern approach for diagnosis and treatment of syncope</p>	<p>14.30 - 16.00 SYMPOSIUM Latest developments in transvenous pacemaker therapy <i>Supported by Medtronic</i></p>	<p>14.00 - 15.30 CORSO AVANZATO DI ARITMOLOGIA ED EMODINAMICA PER INFERMIERI E TECNICI DI CARDIOLOGIA</p>
<p>16.00 - 17.30 EURO-JAPAN ARRHYTHMIA FORUM (EJAF) AF Registry studies in Japan and Europe. Any difference?</p>	<p>16.00 - 17.30</p>	<p>16.00 - 17.30 SYMPOSIUM New frontiers in the treatment of cardiac arrhythmias <i>Organized by Biosense Webster - Johnson & Johnson Medical SpA</i></p>	<p>16.00 - 17.30 CORSO AVANZATO DI ARITMOLOGIA ED EMODINAMICA PER INFERMIERI E TECNICI DI CARDIOLOGIA</p>

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5

LEPTIS MAGNA 2	LEPTIS MAGNA 4	TARRAGONA	SPALATO
<p>9.00 - 10.30 TECHNOLOGY AT COMPARISON</p> <p>Usefull and useless pacemakers algorithms</p>	<p>9.00 - 10.30 SYMPOSIUM</p> <p>S-ICD: New approaches</p>	<p>9.00 - 10.30 HOW TO SESSION</p> <p>Left ventricular endocardial and epicardial pacing</p>	<p>9.00 - 10.30 SYMPOSIUM</p> <p>Antiarrhythmic drug therapy for AF: all quiet on the western front</p>
10.30 - 11.00 BREAK AND SPEAKER CORNER			
<p>11.00 - 12.30 TECHNOLOGY AT COMPARISON</p> <p>NOAC at comparison PROS & CONS looking AT RCT and registries</p>	<p>11.00 - 12.30 ONE AGAINST ALL</p> <p>11.00 - 11.30 Which are the real indications for current generation of leadless pacemakers? 11.30 - 12.00 How and when to re-implant after leads removal 12.00 - 12.30 Durability of cryoballoon based PVI: once isolated, always isolated?</p>	<p>11.00 - 12.30 SYMPOSIUM</p> <p>Ablation of atrial fibrillation with endoscopically guided laser balloon: premises and follow-up</p>	<p>11.00 - 12.30 SYMPOSIUM</p> <p>Remote Monitoring: discovering a new world</p>
<p>12.30 - 13.15 DEBATE</p> <p>Mapping of macroreentry: entrainment VS high-density activation mapping</p> <p>13.15 - 14.00 THE BIG BROTHER CORNER</p> <p>CRT-P or CRT-D in older patients with comorbidities</p>	<p>12.30 - 14.00 SYMPOSIUM</p> <p>Target in persistent AF ablation: what we do, what we don't do enough</p>	<p>12.30 - 14.00 SYMPOSIUM</p> <p>Leadless Cardiac Pacing <i>Supported by Medtronic</i></p>	<p>12.30 - 14.00 SYMPOSIUM</p> <p>Long term follow-up MADIT II patients</p>
14.00 - 14.30 BREAK AND SPEAKER CORNER			
<p>14.30 - 16.00 TECHNOLOGY AT COMPARISON</p> <p>CIED Remote Monitoring system at comparison. Technological characteristics and scientific evidence of clinical impact</p>	<p>14.30 - 16.00 CHALLENGING CLINICAL CASES IN EP</p> <p>THE WORD TO THE MASTERS</p>	<p>14.30 - 16.00 SYMPOSIUM</p> <p>Cryoablation for AF: novelties in dosing and duration of ablation</p>	<p>14.30 - 16.00 SYMPOSIUM</p> <p>Choosing properly the type of ICD in different settings</p>
<p>16.00 - 17.30 ROUND TABLE</p> <p>S-ICD: modest step or quantum leap?</p>	<p>16.00 - 16.45 THE BIG BROTHER CORNER</p> <p>Shall we start anticoagulation therapy soon after detectng AF in cryptogenetic stroke? VIDEO SESSION</p>	<p>16.00 - 17.30 SYMPOSIUM</p> <p>Electrical storm: a guide for use...</p>	<p>16.00 - 17.30 SYMPOSIUM</p> <p>Let's ablate AF to...</p>
	<p>16.45 - 17.30 THE BIG BROTHER CORNER</p> <p>Is triple therapy mandatory in patients with AF and CAD? VIDEO SESSION</p>		
<p>17.30 - 19.00 FREE PAPERS</p> <p>Congenital Arrhythmogenic diseases</p>	<p>17.30 - 19.00 FREE PAPERS</p> <p>CRT implant techniques</p>	<p>17.30 - 19.00 FREE PAPERS</p> <p>New technologies for CRT and S-ICD</p>	<p>17.30 - 19.00 FREE PAPERS</p> <p>VT and AVNRT ablation</p>

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy
Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5

POLA	CESAREA	ORANGE 2	ORANGE 1
<p>9.00 - 10.30 SYMPOSIUM</p> <p>Sustained monomorphic VT in ischemic heart disease</p>	<p>9.00 - 10.30 SYMPOSIUM</p> <p>Enhancing AF ablation efficacy SESSION I</p>	<p>9.00 - 10.30 SYMPOSIUM</p> <p>Surgical treatment of cardiac arrhythmias</p>	<p>9.00 - 10.30 CORSO AVANZATO DI ARITMOLOGIA ED EMODINAMICA PER INFERMIERI E TECNICI DI CARDIOLOGIA</p>
10.30 - 11.00 BREAK AND SPEAKER CORNER			
<p>11.00 - 12.30 SYMPOSIUM</p> <p>AF are not all the same</p>	<p>11.00 - 12.30 SYMPOSIUM</p> <p>Enhancing AF ablation efficacy SESSION II</p>	<p>11.00 - 12.30 ROUND TABLE</p> <p>Ablation index Italian experience 1 year later <i>Organized by Biosense Webster - Johnson & Johnson Medical SpA</i></p>	<p>11.00 - 12.30 CORSO AVANZATO DI ARITMOLOGIA ED EMODINAMICA PER INFERMIERI E TECNICI DI CARDIOLOGIA</p>
<p>12.30 - 14.00 SYMPOSIUM</p> <p>Wireless LV endocardial pacing <i>Supported by EBR Systems Inc.</i></p>	<p>12.30 - 14.00 SYMPOSIUM</p> <p>Idiopathic VF</p>	<p>12.30 - 14.00 SYMPOSIUM</p> <p>Accuracy matters: high density mapping, contact force and 3-D navigation <i>Supported by Abbott Italia</i></p>	<p>12.30 - 14.00 FREE PAPERS</p> <p>Catheter Ablation of Atrial Fibrillation</p>
14.00 - 14.30 BREAK AND SPEAKER CORNER			
<p>14.30 - 16.00 SYMPOSIUM</p> <p>Enhancing VT ablation efficacy</p>	<p>14.30 - 16.00 SYMPOSIUM</p> <p>Heart Failure 2018</p>	<p>14.30 - 16.00 SYMPOSIUM</p> <p>Turning non responders to CRT to responders: a war without end...</p>	<p>14.00 - 15.30 CORSO AVANZATO DI ARITMOLOGIA ED EMODINAMICA PER INFERMIERI E TECNICI DI CARDIOLOGIA</p>
<p>16.00 - 17.30 SYMPOSIUM</p> <p>When and how to upgrade from PM/ICD to CRT</p>	<p>16.00 - 17.30 SYMPOSIUM</p> <p>Persistent AF ablation: the ultimate strategy</p>	<p>16.00 - 17.30 SYMPOSIUM</p> <p>Indications for implantable loop recorder <i>Supported by Medtronic</i></p>	<p>16.00 - 17.30 CORSO AVANZATO DI ARITMOLOGIA ED EMODINAMICA PER INFERMIERI E TECNICI DI CARDIOLOGIA</p>
<p>17.30 - 19.00 FREE PAPERS</p> <p>New tools for cardiac arrhythmias diagnosis and follow-up</p>	<p>17.30 - 19.00 FREE PAPERS</p> <p>Cardiac pacing technical and clinical issues</p>	<p>17.30 - 19.00 FREE PAPERS</p> <p>Pediatric and adults cardiac arrhythmias treatment</p>	

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6

LEPTIS MAGNA 2	LEPTIS MAGNA 4	TARRAGONA	SPALATO
<p>9.00 - 9.45 DEBATE Patients with DCM and EF lower 35% should receive</p>	<p>9.00 - 9.45 THE BIG BROTHER CORNER All abandoned leads should be removed VIDEO SESSION</p>	<p>9.00 - 10.30 SYMPOSIUM A new role of pacing for preventing AF SESSION I</p>	<p>8.30 - 10.20 COURSE The theatre of complex arrhythmias Mechanisms and complexity of Atrial Tachycardias AF mechanisms and mapping modalities</p>
<p>9.45 - 10.30 3D DEBATE Preventing HF related to RV pacing</p>	<p>9.45 - 10.30 DEBATE Leads' extraction, my favorite technique</p>		
10.30 - 11.00 BREAK AND SPEAKER CORNER			
<p>11.00 - 12.30 SYMPOSIUM Devices recall</p>	<p>11.00 - 11.45 THE BIG BROTHER CORNER Cryoballoon VS constant forces sensing catheter ablation for persistent AF VIDEO SESSION</p>	<p>11.00 - 12.30 SYMPOSIUM A new role of pacing for preventing AF SESSION II</p>	<p>10.20 - 12.00 COURSE The theatre of complex arrhythmias New insights into AF Ablation techniques</p>
	<p>11.45 - 12.30 3D DEBATE Three balloons for one goal</p>		
<p>12.30 - 13.15 THE BIG BROTHER CORNER DOACs reversal agents: are they mandatory for the choice of the drugs? VIDEO SESSION</p>	<p>12.30 - 14.00 SYMPOSIUM Provocative questions on AF ablation</p>	<p>12.30 - 14.00 SYMPOSIUM The role of multicenter trials and pooled clinical database through Home Monitoring for the advance of clinical research</p>	<p>12.00 - 13.00 COURSE The theatre of complex arrhythmias Ventricular arrhythmias</p>
<p>13.15 - 14.00 THE BIG BROTHER CORNER MPP: does a "Turbo CRT" worth a reduced battery longevity? VIDEO SESSION</p>			<p>13.00 - 14.00 ECG Challenge: let's play with pacing tracks</p>
14.00 - 14.30 BREAK AND SPEAKER CORNER			
<p>14.30 - 16.00 TECHNOLOGY AT COMPARISON Usefull and useless CRT algorithms</p>	<p>14.30 - 16.00 DEBATE HF: Chicken or egg</p>	<p>14.30 - 16.00 SYMPOSIUM "The song of ice and fire": one shot in AF ablation</p>	<p>14.30 - 16.00 JOINT SESSION CSPE Technological advances in the fight against sudden cardiac death</p>
<p>16.00 - 17.30 TECHNOLOGY AT COMPARISON ICD batteries and leads longevity at comparison</p>	<p>16.00 - 16.45 THE BIG BROTHER CORNER The left atrial appendage should be electrically isolated during ablation for long standing persistent AF VIDEO SESSION</p> <p>16.45 - 17.30 THE BIG BROTHER CORNER VIDEO SESSION</p>		<p>16.00 - 17.30 SYMPOSIUM How to get a super response to CRT</p>

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6

POLA	CESAREA	ORANGE 2	ORANGE 1
<p>9.00 - 10.30 MINICOURSE</p> <p>SVT: sometimes... still a challenge!</p>	<p>9.00 - 10.30 MINICOURSE</p> <p>Outflow tract VT/VPC</p>	<p>9.00 - 10.30 SYMPOSIUM</p> <p>Epicardial approach to treat cardiac arrhythmias</p>	<p>9.00 - 10.30 CORSO AVANZATO DI ARITMOLOGIA ED EMODINAMICA PER INFERMIERI E TECNICI DI CARDIOLOGIA</p>
10.30 - 11.00 BREAK AND SPEAKER CORNER			
<p>11.00 - 12.30 SYMPOSIUM</p> <p>Sport and arrhythmia</p>	<p>11.00 - 12.30 SYMPOSIUM</p> <p>LV pacing</p>	<p>11.00 - 12.30 SYMPOSIUM</p> <p>Catch me if you can: searching for AF</p>	<p>11.00 - 12.30 CORSO AVANZATO DI ARITMOLOGIA ED EMODINAMICA PER INFERMIERI E TECNICI DI CARDIOLOGIA</p>
<p>12.30 - 14.00 SYMPOSIUM</p> <p>Sport restrictions in specific settings</p>	<p>12.30 - 14.00 SYMPOSIUM</p> <p>Catheter ablation to prevent SCD in non-ischemic patients</p>	<p>12.30 - 14.00 SYMPOSIUM</p> <p>AF revolutions in cardiac rhythm disorder management <i>Supported by Medtronic</i></p>	<p>12.30 - 14.00 FREE PAPERS</p> <p>Lead extraction</p>
14.00 - 14.30 BREAK AND SPEAKER CORNER			
<p>14.30 - 16.00 SYMPOSIUM</p> <p>Heart failure: how to prevent acute decompensation events</p>	<p>14.30 - 16.00 SYMPOSIUM</p> <p>A matter of heart and brain</p>	<p>14.30 - 16.00 SYMPOSIUM</p> <p>Achille's Heel of DOACs</p>	<p>14.30 - 16.00 CORSO AVANZATO DI ARITMOLOGIA ED EMODINAMICA PER INFERMIERI E TECNICI DI CARDIOLOGIA</p>
<p>16.00 - 17.30 SYMPOSIUM</p> <p>Sleep apnea and cardiac arrhythmias</p>	<p>16.00 - 17.30 SYMPOSIUM</p> <p>Ablation and devices in pediatric population</p>	<p>16.00 - 17.30 SYMPOSIUM</p> <p>Assessing AF recurrences predictors after AF ablation</p>	

Tuesday, December 4
9:00–10:30 > LEPTIS MAGNA 4

A NEW WAY TO THINK ABOUT AF ABLATION

Chairs: **G. Inama** (Cremona, I)
K. Vlachos (Athens, GR)

Ablation Index: a must for AF ablation today
M. Duytschaever (Bruges, B)

Atrial substrate ablation based on low voltage areas
P. Marchese (Ascoli Piceno, I)

AF Ablation Guided by Spatiotemporal Electrogram
Dispersion Without PVI
O. Berenfeld (Ann Arbor-MI, USA)

The role of non invasive mapping to guide ablation
N.F. Marrouche (Salt Lake City-UT, USA)

Robotics: safer and smarter ablation?
I. Cazzoli (London, UK)

Reducing radiation exposure: just an option or a real need?
A. Placci (Parma, I)

Tuesday, December 4
9:00–10:30 > TARRAGONA

**ADVANCED COURSE ON LEAD EXTRACTION
NEWS IN LEAD MANAGEMENT
SESSION I**

Chairs: **E. Cronin** (Hartford, USA)
C. Kennergren (Goteborg, S)

The New International 2017 HRS Expert Consensus
Statement on Lead Management
C. Ermis (Antalya, TR)

Infection Prevention in CIED Surgery
A. Ciccaglioni (Rome, I)

The New EHRA 2018 Expert Statement on Scientific Studies
B. Malecka (Krakov, PL)

Reducing Overall in Hospital Lead Extraction Mortality
A. Rinaldi (London, UK)

Abandoned leads related late consequences
A. Polewczyk (Kielce, PL)

Tuesday, December 4

9:00–10:30 > SPALATO

WHEN AF ABLATION DRIVES TO ATRIAL TACHYCARDIA...

Chairs: **A. Sagone** (Sesto S. Giovanni-MI, I)
A. Schirdewan (Berlin, D)

Incidence and EP mechanism
G. Massoullie (Clermont Ferrand, F)

Is it possible to reduce AT onset?
H.L. Estner (Munich, D)

Pharmacological treatment during blanking period
TBA

Indications to AT ablation after AF ablation
K. Yamashiro (Osaka, JP)

AT after surgical treatment of AF
G.M. Fassini (Milan, I)

Thromboembolic risk management
M. Sgueglia (Rome, I)

Tuesday, December 4

9:00–10:30 > POLA

FOCUS ON ECG: Beyond the lines
AN INTERNATIONAL ADVANCED COURSE ON
ARRHYTHMIAS ECG INTERPRETATION

Supported by Bruno Farmaceutici

Directors: **D. Bastian** (Fuerth, D)
L. Vitali Serdoz (Fuerth, D)

ECG Interpretation: Let's talk about bradycardia - Session I

9:00 Interpretation of ECG demonstrating a bradycardia:
what is what?
D. Bastian (Fuerth, D)

9:45 ECG troubleshooting: interactive ECG discussion
L. Vitali Serdoz (Fuerth, D)

Discussant **D. Bastian** (Fuerth, D)

Panel: **M. Zecchin** (Trieste, I)

10:30 - 11:00 Coffee break

Tuesday, December 4

9:00–10:30 > CESAREA

HOW TO SESSION HOW TO SAFELY PERFORM

Chairs: **M. Anselmino** (Turin, I)
H.J. Trappe (Herne, D)

How to safely program CIED during MRI and radiation treatment
N.G. Boyle (Los Angeles-CA, USA)

How to prevent and manage complications of Cryoablation
G. Grifoni (Florence, I)

How to safely and efficiently perform an epicardial ablation
S. Grossi (Turin, I)

How to safely perform a LAA closure
C. Amellone (Ciriè-TO, I)

How to safely perform an efficient CRT
TBA

How to safely perform a lead extraction
I. Diemberger (Bologna, I)

Tuesday, December 4

9:00–10:30 > ORANGE 2

HOW REDUCE X-RAY EXPOSURE IN EP PROCEDURES

Chairs: **F. Guarracini** (Trento, I)
I. Nault (Québec, CDN)

X-ray exposure: operators perspective and patients perspectives
I. Anguera (Barcelona, E)

AF ablation
V. Ribatti (Milan, I)

VT ablation
I. Nault (Québec, CDN)

CRT implant
M. Del Greco (Rovereto-TN, Italy)

S-ICD: is it completely a ZERO X-ray procedure?
V. Russo (Taranto, I)

No X-ray procedures in pediatric population
M. Luzi (Macerata, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Tuesday, December 4

10:30–11:00 > EXHIBITION AREA

SPEAKER CORNER

Reducer: when other options are unsatisfactory

A. Gaspardone (Rome, I)

SCIENTIFIC PROGRAMME

Tuesday, December 4
11:00–12:30 > LEPTIS MAGNA 2

TECHNOLOGY AT COMPARISON

MAPPING SYSTEM AND ABLATION CATHETERS AT COMPARISON

Chairs: **L.A. Chinitz** (New York-NY, USA)
D.L. Packer (Rochester-MN, USA)

Part 1 Why CARTO is better than the others?
P. Santangeli (Philadelphia-PA, USA)

Why Ensite NavX is better than the others?
C. Tondo (Milan, I)

Why Rhythmia is better than the others?
M. Anselmino (Turin, I)

Part 2 Why Contact Force Sensing should make the difference?
M. Scaglione (Asti, I)

Why Cryo-Balloon should be the first choice?
TBA

Why the new pulsed field ablation could be the future winner?
A. Natale (Austin-TX, USA)

Discussants: **I. Anguera** (Barcelona, E)
A. Scopinaro (Alessandria, I)

Tuesday, December 4
11:00–12:30 > LEPTIS MAGNA 4

DEBATABLE FIRST OPTION PACING TREATMENTS

Chairs: **A. Quesada** (Valencia, E)
G. Zingarini (Perugia, I)

His Bundle Mapping for Recruitment of LBBB
B. Herweg (Tampa-FL, USA)

His Bundle Pacing Vs CRT in BBS patients
G. Pastore (Rovigo, I)

Dual site atrial pacing to prevent AF
S. Saksena (New Brunswick-NJ, USA)

S-ICD to upgrade from CRT-P to CRT-D
A. Vado (Cuneo, I)

DDD pacing in patients with syncope and bifascicular block
F. Giada (Mestre-VE, I)

DDD pacing in asymptomatic patients with congenital complete AV block
G. Bronzetti (Bologna, I)

Tuesday, December 4
11:00–12:30 > TARRAGONA

**ADVANCED COURSE ON LEAD EXTRACTION
LEAD EXTRACTION TECHNIQUES
SESSION II**

Chairs: **B. Osswald** (Düsseldorf, D)
F. Vassanelli (Brescia, I)

How to Further Reduce Lead Extraction Complications
and Mortality

M. Russo (Rome, I)

Surgical and Other Special Approaches in Lead Extraction

K. Imai (Hiroshima, JP)

The Pros and Cons of Available Lead Extraction Tools
and Techniques

C. Kennergren (Goteborg, S)

What Training, Experience and Case Volume are Required
to Perform Lead Extraction

A. Curnis (Brescia, I)

Tuesday, December 4
11:00–12:30 > SPALATO

HOW TO MANAGE THE 3 BRUGADA SYNDROME TYPES

Chairs: **N. Cerrato** (Alba-CN, I)
Y. Nakazato (Tokyo, J)

Asymptomatic Type I
S. Levy (Marseille, FR)

Asymptomatic Type II e III
G. Turitto (New York-NJ, USA)

How to use and interpret genetic testing
C. Napolitano (Milan, I)

How to manage with the family members?
R. Mango (Rome, I)

Catheter Ablation: does it work?
G. Conte (Lugano, CH)

Tuesday, December 4

11:00–12:30 > POLA

FOCUS ON ECG: Beyond the lines
AN INTERNATIONAL ADVANCED COURSE ON
ARRHYTHMIAS ECG INTERPRETATION

Supported by Bruno Farmaceutici

Directors: **D. Bastian** (Fuerth, D)
L. Vitali Serdoz (Fuerth, D)

ECG Interpretation: Around Tachycardia - Session II

11:00 Lessons learnt from invasive electrophysiology:
supraventricular Tachycardia
D. Bastian (Fuerth, D)

11:45 ECG Troubleshooting: interactive ECG discussion
L. Vitali Serdoz (Fuerth, D)

Discussant **D. Bastian** (Fuerth, D)

Panel: **M. Zecchin** (Trieste, I)

12:30 End

Tuesday, December 4

11:00–12:30 > ORANGE 2

LATEST DEVELOPMENTS IN DEVICE THERAPY FOR HEART FAILURE

Supported by Medtronic

Chairs: **G.B. Forleo** (Milan, I)
M. Gasparini (Milan, I)

Non responders: how technology supports physicians in
this unequal battle

M. Ziacchi (Bologna, I)

How to reach the target position and assure LV lead
Stability in the coronary sinus

G. Luzzi (Bari, I)

Could automatic atrial antitachycardia pacing in HF patient
terminate slow and regular atrial arrhythmia with impact
on AF burden?

E.C.L. Pisanò (Lecce, I)

Abolishing left bundle branch block by Pacing the His
Bundle: could it be the simplest solution for the optimal
location

F. Zanon (Rovigo, I)

Tuesday, December 4
12:30–13:30 > LEPTIS MAGNA 2

**TECHNOLOGY AT COMPARISON
COMPARING CURRENTLY AVAILABLE ILR DEVICES:
STRENGTHS AND WEAKNESS**

Chairs: **F. Ammirati** (Rome, I)
S. Szili-Torok (Rotterdam, NL)

MEDTRONIC ILR
A. Vincenti (Milan, I)

BIOTRONIK ILR
G.B. Forleo (Milan, I)

ABBOTT ILR
P. Francia (Rome, I)

Discussants: **V. Ribatti** (Milan, I)
S. Strano (Rome, I)

Tuesday, December 4
13:30–14:00 > LEPTIS MAGNA 2

ONE AGAINST ALL
AF CATHETER ABLATION IN ADVANCED HEART FAILURE

Chairs: **M. Fantinel** (Feltre-BL, I)
R. Kato (Saitama, JP)

Speaker: **L. Di Biase** (New York-NJ, USA)

Discussants: **A. Colella** (Florence, I)
M. Russo (Rome, I)

Tuesday, December 4
12:30–13:15 > LEPTIS MAGNA 4

THE BIG BROTHER CORNER

**SHALL WE START ANTICOAGULATION THERAPY SOON AFTER DETECTING
SILENT AF (LASTING >6 MINUTES AND <24 H) IN CIEDs PATIENTS?**

VIDEO SESSION

Chairs: **P. Azzolini** (Rome, I)
S. Levy (Marseille, F)

Agonist
M. Piacenti (Pisa, I)

Antagonist
M. Proietti (Rome, I)

Good and bad comments

Chairmen judgment: Who is the winner?

Tuesday, December 4
13:15–14:00 > LEPTIS MAGNA 4

THE BIG BROTHER CORNER
**LOOKING FOR AF IN SINGLE CHAMBER ICD: MORE BENEFITS FROM
SPECIAL LEADS OR SPECIAL ALGORITHMS?**

VIDEO SESSION

Chairs: **A. Ronaszeki** (Nice, F)
M. Zecchin (Trieste, I)

Better leads
G. Viola (Nuoro, I)

Better algorithm
G.B. Magenta (Milan, I)

Good and bad comments

Chairmen judgment: Who is the winner?

Tuesday, December 4
12:30–14:00 > TARRAGONA

ADVANCED COURSE ON LEAD EXTRACTION

LEAD 'S EXTRACTION: THE BEST TECHNIQUE FOR THE RIGHT PATIENT SESSION III

Chairs: **A. Kutarski** (Lublin, PL)
C.T. Starck (Zürich; CH)

SVC approach vs IVC approach
L. Bontempi (Brescia, I)

Laser Sheath Technique
A. Ciccaglioni (Rome, I)

Rotational Powered Sheath
F. Solimene (Mercogliano-AV, I)

Extracting leads in patients with large vegetations
G. Domenichini (Geneva, CH)

When send patients to cardiac surgery
K. Bellos (Athens, GR)

Endovascular balloon inclusion: does it reduce mortality?
C.J. Love (Columbus-OH, USA)

Tuesday, December 4
12:30–14:00 > SPALATO

SCD PREVENTION ACADEMY AWARD: “...AND THE OSCAR GOES TO...S-ICD!”

Chairs: **E. De Ruvo** (Rome, I)
A.H. Maass (Groningen, NL)

S-ICD post-approval study
A. Piro (Rome, I)

UNTOUCHED trial: rationale and study design
R. Morgagni (Rome, I)

MADIT S-ICD: the Rationale
M.G. Lunati (Milan, I)

S-ICD: WHY NOT? An Italian survey
G.L. Botto (Como, I)

Long term results from effortless registry
M.M. Gulizia (Catania, I)

Six years follow-up of the Dutch S-ICD cohort
A.H. Maass (Groningen, NL)

Tuesday, December 4

12:30–14:00 > POLA

FOCUS ON ECG: Beyond the lines
AN INTERNATIONAL ADVANCED COURSE ON
ARRHYTHMIAS ECG INTERPRETATION

Supported by Bruno Farmaceutici

Directors: **D. Bastian** (Fuerth, D)
L. Vitali Serdoz (Fuerth, D)

ECG Interpretation: ... in the Emergency Department - Session III

12:30 Spikes all around: is the CIED correctly pacing?
M. Zecchin (Trieste, I)

13:15 ECG Troubleshooting: interactive ECG discussion
L. Vitali Serdoz (Fuerth, D)

Discussant **D. Bastian** (Fuerth, D)

Panel: **M. Zecchin** (Trieste, I)

14:00 End

Tuesday, December 4

12:30–14:00 > CESAREA

CHOOSING THE BEST DEVICE FOR PRIMARY PREVENTION OF SCD

Chairs: **E. Occhetta** (Novara, I)
R. Vijayvergiya (Chandigarh, Ind)

Dual vs single chamber: when and to whom?

M. Lovric Bencic (Zagreb, HR)

The role of DX-VDD ICD

P. Sartori (Genoa, I)

S-ICD as first choice

J. Kuschyk (Heidelberg, D)

S-ICD as best solution for upgrading a PM

A. Hussam (Rozzano-MI, I)

Is there still a role for dual coil leads?

V. Zacà (Siena, I)

Battery Longevity: does it really matter for choice of device?

R. Rordorf (Pavia, I)

Tuesday, December 4
12:30–14:00 > ORANGE 2

IMPLANTABLE MEDICAL DEVICES: INNOVATION, SAFETY AND EFFECTIVE COOPERATION

Supported by Abbott Medical Italia

Chairs **M. Marletta** (Rome, I)

Industry and institutions. A dialogue that is possible to guarantee security and innovation

M. Marletta (Rome, I)

Safety notices. Virtuous management is not only desirable but also possible

L. Santini (Rome, I)

Cybersecurity in health care. What issues and what effective interventions

G. Pozza (Milan, I)

Technological evolution and innovation. Processes and strategies to guarantee safety and support to clinicians and patients.

P. Raffaelli (Brussels, B)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Tuesday, December 4
12:30–14:00 > ORANGE 1

FREE PAPERS SYNCOPE AND SUDDEN DEATH

Chairs: **A. Mazza** (Orvieto-TR, I)
R.S. Sheldon (Calgary-AB, CDN)

INCIDENCE AND PREDICTORS OF SYNCOPE RECURRENCE IN UNTREATED CAROTID SINUS SYNDROME

G. Rivasi (1), D. Solari (2), M. Rafanelli (1), F.C. Sacco (1), S. Venzo (1), I. Marozzi (1),
I. Giannini (1), F. Lucchini (1), S. Pupo (1), M. Brignole (2), A Ungar (1)
(1) Florence, (2) Lavagna-GE, ITALY

MYOTONIC DYSTROPHY TYPE 1: SYNCOPE AND HIGH VENTRICULAR VULNERABILITY IN ABSENCE OF CONDUCTION ABNORMALITIES AND MYOCARDIAL FIBROSIS AT CMR. ICD YES OR NOT?

G. Sirico (1), A. Montisci (1), F. Magri (1), F. Secchi (2), M. Mantica(1)
(1) Milan, (2) San Donato Milanese-MI, ITALY

CARDIAC ARREST FOLLOWING PROTAMINE ADMINISTRATION: A CASE SERIES

L. Leung (1), M. Gallagher (1), B. Evranos (1), I. Harding (1), J. Bolten (1), B. Madden (1),
S. Wright (1), R. Kaba (2)
(1) London, (2) Chertsey, UNITED KINGDOM,

NOT SO FAST: ISCHEMIC STROKE RISK IN ATRIAL FIBRILLATION IN THE ERA OF NEW HYPERTENSION GUIDELINES

E. Sharma, B. McCauley, L. Rousseau, W. Wu, A. Chu
Providence, USA

CHARACTERISTICS OF ICD-INDICATED PATIENTS BY COUNTRY IN THE IMPROVE SCA STUDY

R. Vijayvergiya (1), S. Zhang (2), B. Singh (3), C.K. Ching (4), D. Huang (5), Y.B. Liu (6),
D.A. Rodriguez (7), A. Hussin (8), Y.H. Kim (9), J. Cerkenik (10), A.R. Chasnoits (11)
(1) Chandigarh, INDIA, (2) Beijing, CHINA, (3) Gurugram, INDIA, (4) Singapore, SINGAPORE, (5)
Chengdu, CHINA, (6) Taipei City, TAIWAN, (7) Bogota, COLOMBIA, (8) Kuala Lumpur, MALAYSIA, (9)
Seoul, SOUTH KOREA, (10) Minnesota, USA, (11) Minsk, BELARUS

FEASIBILITY, WORKING LOAD ANALYSIS AND CLINICAL ADVANTAGES OF THE REMOTE MONITORING IN ONE YEAR IN A SINGLE CENTER EXPERIENCE

A. Talarico (1), C. Tomaselli (1), G. Quirino (1), R. Bruno (1), N. Affuso (1), B. Bozzo (2), F. De Rosa(1)
(1) Cosenza (2) Milan, ITALY

SCIENTIFIC PROGRAMME

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Tuesday, December 4

14:00–14:30 > EXHIBITION AREA

SPEAKER CORNER

Percutaneous treatment of mitral regurgitation

G. Speciale (Rome, I)

SCIENTIFIC PROGRAMME

Tuesday, December 4
14:30–16:00 > LEPTIS MAGNA 2

**TECHNOLOGY AT COMPARISON
USEFULL AND USELESS ICD ALGORITHMS**

Chairs: **M. Landolina** (Crema, I)
H. Schmidinger (Vienna, A)

MEDTRONIC ICDs
A. Quesada (Valencia, E)

BIOTRONIK ICDs
L. Rossi (Piacenza, I)

ABBOTT ICDs
D. Ricciardi (Rome, I)

BOSTON ICDs
A. D'Onofrio (Naples, I)

MICROPORT ICDs
L. Bontempi (Brescia, I)

Tuesday, December 4
14:30–16:00 > LEPTIS MAGNA 4

DEBATABLE FIRST OPTION ABLATION TREATMENTS

Chairs: **S. Grossi** (Turin, I)
D.L. Packer (Rochester-MN, USA)

Catheter ablation as first option treatment of persistent atrial fibrillation

L. Ottaviano (Milan, I)

Ablate and pace as first option therapy combined with CRT in heart failure patients with atrial fibrillation

J.O. Schwab (Bonn, D)

Ibrid ablation (endo+surgical) as first option therapy after the first post ablation recurrence

C. Pandozi (Rome, I)

Catheter ablation as first option therapy of frequent premature ventricular beats

C. Negro (Milan, I)

Catheter ablation as first option treatment in Type I Brugada

G. Ciconte (Catanzaro, I)

CHF & AF: Ablation versus Biventricular Pacing

D.L. Packer (Rochester-MN, USA)

Tuesday, December 4
14:30–15:00 > TARRAGONA

STATE OF THE ART “LECTURES”

Why and how stem cells will change the practice of medicine
E.U. Alt (Houston-TX, USA)



Eckhard U. Alt, MD, PhD, is Professor of Medicine at Technische Universität in Munich, Professor at Tulane University in New Orleans LA, is the Todd and Linda Broin Distinguished Professor and Chair at Sanford University SD and was Professor at the University of Texas - MD Anderson Cancer Center in Houston TX.

Dr Alt received his medical degree as Valedictorian from Heidelberg Medical School. After two years in cardiac surgery at the Ludwig Maximilian University in Munich, he completed his education at

Rechts der Isar Medical Center of the Technische Universität Munich in Internal Medicine/ Cardiology and became one of the youngest professors there. He is a frequent reviewer and serves on the Editorial Boards of respected journals. From 2001 to 2007, he was President of the International Cardiac and Electrophysiology Society. Prof. Alt has organized major national and international congresses, authored more than 500 publications in peer reviewed journals, books and book chapters. His scientific publications have been cited by other scientists more than 20 000 times, his scientific h factor is 78.

He is a highly sought after global lecturer. His innovative spirit is demonstrated by more than 700 world-wide patents he has been granted, primarily in the fields of Stem Cells, Electrophysiology, and Interventional Cardiology. He has introduced an impressive number of new therapies to clinical practice, including novel methods and devices such as Rate-adaptive Pacing, Defibrillators, Treatment of Atrial Fibrillation and Stem Cell Treatment. His contributions have substantially influenced the modern practice of medicine. Prof. Alt was elected among the leading 1,000 physicians in Germany, the magazine 'Focus' rated him among the "Best 12 Cardiologists in Germany". He received the Hahn Research Award from the European Society of Thoracic Surgery and from the Erasmus University in Rotterdam the prestigious Andreas Gruentzig Ethica Award as Best Experimental Researcher. In 2009 he was named Entrepreneur of the Year in Munich and Health Care Hero and Innovator of the Year in Houston, TX.

He is Chairman of the Board of the Isar Klinikum in Munich and of InGeneron Inc. in Houston TX. In addition to being a reknown physician, scientist, prolific researcher and inventor, Prof. Alt is deeply committed to charity in Germany, USA and Africa.

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Tuesday, December 4
15:00–15:30 > TARRAGONA

STATE OF THE ART “LECTURES”

Leadless Pacing: Will this Eventually Replace Transvenous Lead Systems?

T.F. Deering (Atlanta-TX, USA)



Dr. Deering specializes in cardiac electrophysiology at the Piedmont Heart Institute in Atlanta, GA. His primary clinical and research interests focus on the diagnosis and treatment of cardiac arrhythmias and quality cardiovascular care delivery. In 1980, Dr. Deering graduated summa cum laude from Yale University School of Medicine and went on to complete his training in medicine and cardiac electrophysiology at Yale and Tufts New England Medical Center. In 1986 he became an assistant clinical professor of medicine at his alma mater and joined the team at Piedmont in 1989. He is a Clinical Associate Professor of Medicine at the Medical College of Georgia and is the Mark E. Silverman, M.D. Educational Chair. He has authored and co-authored numerous publications regarding cardiac arrhythmias. He participates in a number of cardiac electrophysiology arrhythmia research projects and also serves as a reviewer for multiple cardiac journals. He has been active in the Heart Rhythm Society and presently serves as the president of HRS.

SCIENTIFIC PROGRAMME

Tuesday, December 4
15:30–16:00 > TARRAGONA

STATE OF THE ART “LECTURES”

The Totally Subcutaneous ICD: When and In Whom?

A.M. Russo (Camden-NJ, USA)



Dr. Russo is Professor of Medicine at Cooper Medical School of Rowan University, Director of Electrophysiology and Arrhythmia Services and Director of the CCEP Fellowship Program at Cooper University Hospital in Camden, N.J. Prior to joining the faculty at Cooper, she was a member of the faculty at the University of Pennsylvania School of Medicine in Philadelphia, PA from 1997-2008 and was Director of the Electrophysiology Laboratory at Penn Presbyterian Medical Center.

Dr. Russo is currently the President-Elect of the Heart Rhythm Society (HRS), member of the HRS Executive Committee, and member of the HRS Board of Trustees. She is also a member of the ACC (American College of Cardiology)/AHA (American Heart Association) Task Force on Performance Measures and member of the AHA Get-With-the-Guidelines Atrial Fibrillation Clinical Work Group. She previously served as Chair of the HRS Program Committee, 1st Vice President of HRS, 2nd Vice President of HRS, Abstract Chair of the HRS Program Committee, Vice-Chair of the HRS Quality Improvement Subcommittee, Chair of the HRS Health Policy Committee, Treasurer and Secretary of HRS, Chair of the HRS Finance Committee, Chair of the ACC Best Practice and Quality Improvement (BPQI) Subcommittee, member of the National Quality Forum (NQF) Cardiovascular Endorsement and Maintenance Steering Committee, and member of the American Board of Internal Medicine (ABIM) Subspecialty Cardiovascular Disease Test Writing Committee. She has also served as co-chair or member on several guideline or consensus document writing groups.

Dr. Russo has authored or co-authored numerous peer-reviewed journal articles, abstracts and book chapters. Her areas of particular interest include gender differences in arrhythmias, implantable cardioverter defibrillators, atrial fibrillation, and performance improvement activities.

Tuesday, December 4
14:30–16:00 > SPALATO

CRYO-BALLOON: A “DEEP IN” SESSION

Chairs: **U. Canpolat** (Ankara, TK)
M. Tritto (Castellanza-VA, I)

Can Cryballoon expand the ablation opportunity to AF patients?
G. Stabile (Naples, I)

Cryo-balloon in addition to substrate ablation procedures to
reduce recurrent atrial tachyarrhythmias
M. Gallagher (London, UK)

Incidence, predicting factors and assessment strategies of
electrical reconnection after Cryo-balloon ablation
F. Quadrini (Acquaviva delle Fonti-BA, I)

Incidence of esophageal lesions by cryoballoon ablation
G. Quirino (Cosenza, I)

Effects of Cryoballoon PVI on the intrinsic autonomic
Nervous system
M. Manfrin (Bolzano, I)

Cryballoon potential troubles and troubleshooting
A. Frontera (Milan, I)

Tuesday, December 4

14:30–16:00 > POLA

NEW GLIMPS INTO BRUGADA SYNDROME

Chairs: **V. Dusi** (Pavia, I)
G. Turitto (New York-NJ, USA)

Update of genetic findings: One phenotype for several genotypes
W. Shimizu (Tokyo, JP)

Risk stratifications in asymptomatic patients
Y. Kondo (Chiba, JP)

Prognostic value of programmed electrical stimulation
P. Mazzone (Milan, I)

Current indications for ICD implantation: S-ICD as first choice?
F. Caravati (Varese, I)

The current role of ablation
G. Conte (Lugano, CH)

Long-term prognosis of drug-induced Brugada syndrome
TBA

Tuesday, December 4
14:30–16:00 > CESAREA

A MODERN APPROACH FOR DIAGNOSIS AND TREATMENT OF SYNCOPE

Chairs: **D.G. Benditt** (Minneapolis-MN, USA)
R. Sutton (London, UK)

Is ILR useful in patients with suspected Epilepsy?
L.M. Zuccaro (Rome, I)

How to choose the right pacemaker when indicated?
M. Tomaino (Bolzano, I)

Long term follow-up of neuromediated syncope: what we know?
R.S. Sheldon (Calgary-AB, CDN)

How to manage patients with high risk professions or hobbies?
A. Ungar (Florence, I)

Ganglia ablation: indications and limitations
M. Rebecchi (Rome, I)

Psychological treatment for vasovagal syncope in youngers
TBA

Tuesday, December 4

14:30–16:00 > ORANGE 2

LATEST DEVELOPMENTS IN TRANSVENOUS PACEMAKER THERAPY

Supported by Medtronic

Chairs: **S. Favale** (Bari, I)
S. Themistoclakis (Mestre-VE, I)

E-Health in Cardiology

S. Themistoclakis (Mestre-VE, I)

Patient centricity in care process: changing landscape
means changing rules?

M.S. Baccillieri (Camposampiero-PD, I)

New technologies to facilitate Remote Monitoring and
enable patient engagement

D. Porcelli (Rome, I)

How Patient outcomes improve. Real word experience

G. Augello (Milan, I)

Tuesday, December 4
16:00–16:45 > LEPTIS MAGNA 2

3D DEBATES

SILENT AF DETECTION: WHAT'S BETTER?

Chairs: **F. Bellocci** (Rome, I)
E. Crystal (Toronto, CDN)

Implantable loop recorder
E.G. Vester (Dusseldorf, D)

Event recorder
P. Rossi (Rome, I)

Non invasive ECG screening
J. Schreieck (Tübingen, D)

Tuesday, December 4
16:45–17:30 > LEPTIS MAGNA 2

DEBATE

HOW TO ABLATE PAROXYSMAL AF

Chairs: **G.B. Chierchia** (Brussels, B)
R. De Ponti (Varese, I)

Point-by-point ablation
A. Natale (Austin-TX, USA)

One shot ablation
P.G. Guerra (Montreal-QC, CDN)

General discussion

Tuesday, December 4
16:00–16:45 > LEPTIS MAGNA 4

THE BIG BROTHER CORNER

ASYMPTOMATIC BRUGADA PATIENTS: EP STUDY IS USEFUL OR NOT?

VIDEO SESSION

Chairs: **J. Brachmann** (Coburg, D)
P. Mazzone (Milan, I)

Agonist
E. Gandolfi (Alessandria, I)

Antagonist
C. Napolitano (Milan, I)

Good and bad comments

Chairmen judgment: Who is the winner?

Tuesday, December 4
16:45–17:30 > LEPTIS MAGNA 4

THE BIG BROTHER CORNER
VT ABLATION APPROACH IN PATIENTS WITH
NON ISCHEMIC CARDIOMYOPATHY
VIDEO SESSION

Chairs: **C. Lavallo** (Rome, I)
K. Satomi (Tokyo, JP)

Substrate limited ablation is better
P. Della Bella (Milan, I)

Scar homogenization
L. Di Biase (New York-NJ, USA)

General discussion

Tuesday, December 4
16:00–17:30 > TARRAGONA

SHOULD WE RETHINK OF THE ROLE OF THE ATRIUM IN CARDIAC PACING AND CRT?

Chairs: **A. Capucci** (Ancona, I)
M. Oliveira (Lisbon, P)

True physiologic pacing in sinus node disease and its impact of arrhythmic burden: From BURDEN studies to the B3 Trial
G.L. Botto (Como, I)

Should we rethink the rule of cardiac pacing in Vaso-Vagal Syncope? What evidence has led to current indications, what new evidence is expected?
G. Maglia (Catanzaro, I)

Incidence of atrial arrhythmias in ICD recipients: does true atrial sensing help in single chamber? Data from studies and multi-year experience
G. Maglia (Catanzaro, I)

When less is more: the role of atrium in CRT: when to pace and when to sense only. Is there a different clinical outcome?
V.I. Calvi (Catania, I)

Tuesday, December 4

16:00–17:30 > SPALATO

CRT: THE 3 L LAW LOCATION, LOCATION, LOCATION

Chairs: **C. Ermis** (Antalya, TR)
M. Gasparini (Milan, I)

The role of echocardiography to select the most appropriate
LV lead location

G. Ansalone (Rome, I)

The role of endocardial mapping to establish the location with
maximum delay

H.J. Trappe (Herne, D)

Can cardiac MRI help in selecting the best LV lead position?

M. Gallagher (London, UK)

Can Multipoint Pacing surrogate the need for lead repositioning
to another site?

F. Zanon (Rovigo, I)

Endocardial Vs Epicardial LV pacing: which is the best location?

G. Belotti (Bergamo, I)

Influence of right ventricular lead position on the CRT efficacy

A. Sanniti (Rome, I)

Tuesday, December 4

16:00–17:30 > POLA

EURO-JAPAN ARRHYTHMIA FORUM (EJAF)

AF REGISTRY STUDIES IN JAPAN AND EUROPE: ANY DIFFERENCE?

Chairs: **K. Hirao** (Tokyo, JP)
M. Santini (Rome, I)

KICS-AF registry
S. Takatsuki (Tokyo, JP)

Fushimi AF Registry
K. Senoo (Kyoto, JP)

European Registry in Atrial Fibrillation (PREFER in AF)
G. Patti (Rome, I)

EURObservational Research Programme Atrial Fibrillation
(EORP-AF) Pilot General Registry
G. Boriani (Bologna, I)

Tuesday, December 4
16:00–17:30 > ORANGE 2

NEW FRONTIERS IN THE TREATMENT OF CARDIAC ARRHYTHMIAS

Organized by Biosense Webster - Johnson & Johnson Medical SpA

Chairs: **M. Del Greco** (Rovereto, I)
M. Grimaldi (Acquaviva delle Fonti-BA, I)

Low Fluoro Direction in Supra Ventricular Tachycardia treatment
A. Pani (Lecco, I)

Ventricular Tachycardias: how CartoSound Mapping can make
the difference
A. Castro (Rome, I)

Advantages of multipolar mapping catheters in complex
arrhythmias
M. Martinek (Linz, A)

New advances in 3D mapping of atrial tachycardia's
M. Anselmino (Turin, I)

Can a PentaRay-Lasso combined approach improve mapping
and ablation of atrial fibrillation
L. Rossi (Piacenza, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Tuesday, December 4
18:00–20:00 > LEPTIS MAGNA 2

OPENING CEREMONY

18:00 - 18:30

Welcome Address

Congress Chairmen

M. Santini (Rome, I)

L. Santini (Rome, I)

Scientific Societies

S. Zhang (WSA)

T.F. Deering (HRS)

R. Cappato (ECAS)

O. Oseroff (SOLAECE)

D. Huang (CSPE)

R.P. Ricci (AIAC)

M.M. Gulizia (Fondazione "per il tuo Cuore")

18:30 - 20:00

Magistral Lectures

S. Benussi (Zurich, CH)

A. Natale (Austin-TX, USA)

SCIENTIFIC PROGRAMME

Tuesday, December 4
18:30–19:00 > LEPTIS MAGNA 2

MAGISTRAL LECTURE

Hybrid AF ablation in the era of Multidisciplinary Heart
Team - a modern view
S. Benussi (Zurich, CH)



- Sept 2018 to date - Director Division of Cardiac Surgery, Brescia University Hospital, Brescia, Italy
- 2014 - 2018 - Leitender Arzt - Program Director at the Division of Cardiovascular Surgery, UniversitätsSpital, Zürich, Zürich, Switzerland (Chief Prof. F. Maisano)
- 2011 - 2014 - Director Arrhythmia Surgery Unit at the Cardiac Surgery Division, San Raffaele University Hospital, Milan, Italy (Chief Prof. O. Alfieri)
- 1999 - 2011 - Senior Staff Surgeon at the Cardiac Surgery Division of San Raffaele University Hospital in Milan, Italy (Chief Prof. O. Alfieri)
- 1999 - Special Fellow at the Georgetown University, Washington DC (Chief Dr J.L. Cox).
- 1996 -1999 - Staff Surgeon at the Cardiac Surgery Division of San Raffaele University Hospital in Milan, Italy (Chief Prof. O. Alfieri).

POSTGRADUATE TRAINING, RESEARCH AND INSTITUTIONAL ACTIVITIES

1991-96: Thoracic Surgery Residency - 1996-2000: Ph.D. "Surgical pathophysiology of the respiratory and cardiovascular apparatus" University of Modena. 2005-2010: Cardiac Surgery Residency - Score 70/70 cum laude. University of Milan Bicocca.

Co-Chair of the ESC/EACTS Task Force for Atrial Fibrillation Guidelines 2016

Member of the Editorial Board of the Annals of Thoracic Surgery (ATS)

Member of the Editorial Board of the Annals of Thoracic Surgery (ATS)

Member and Founder of Arrhythmia Task Force of the European Association for Cardiothoracic Surgery

Past Editor of the Multimedial Manual of Cardio-Thoracic Surgery (MMCTS)

Past ISMICS Program Committee Member

Past Member of the Surgical Area of the Associazione Nazionale Medici Cardiologi Ospedalieri (ANMCO)

Past Member of the Surgical Area of the Italian Association for Ablation and Cardiac Stimulation (AIAC)

Member of the ISMICS Consensus Conference "Off-Pump versus Conventional Coronary Artery Bypass Surgery 2013" aimed at analyzing the scientific evidence and at issuing updated recommendations in the field (publication pending)

He has directed a 1 day scientific event entitled "A multidisciplinary approach to atrial fibrillation" (S. Raffaele University Hospital, 2011) and 2 iterations of the 2 days Multidisciplinary Arrhythmia Meeting (MAM - University Hospital Zurich, 2016 and 2017)

He has authored or coauthored 130 PubMed indexed publications (Scopus H Index = 26)

Tuesday, December 4
19:00–19:30 > LEPTIS MAGNA 2

MAGISTRAL LECTURE

Atrial fibrillation in the 21st century
A. Natale (Austin-TX, USA)



Dr. Andrea Natale received his degree in Medicine and Surgery in 1985 from the Università degli Studi of Firenze, Italy and his Board Certifications from the American Board of Internal Medicine (Internal Medicine, Cardiovascular Disease and Clinical Cardiac Electrophysiology). He is the Executive Medical Director of the Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Austin, Texas and the National Medical Director of Cardiac Electrophysiology for HCA Healthcare. A dedicated researcher and a pioneer, Dr. Natale focuses on innovative advances in the treatment

of atrial fibrillation. He founded a circumferential ultrasound pulmonary vein-ablation system to correct atrial fibrillation and performed the procedure on the world's first five patients. He also developed some of the current catheter-based cures for atrial fibrillation, and was the first cardiac electrophysiologist in the nation to perform percutaneous epicardial radiofrequency ablation, which is a treatment for people who fail conventional ablation. Recently, he was awarded the prestigious '2017 Eric N. Prystowsky Advocate for Patients Award' for outstanding service to and contributions for the benefit of Afib patients and their families.

Dr. Natale has been an invited speaker at hundreds of symposia and conferences around the world. Moreover, he has authored numerous published articles on pacing and electrophysiology in high-impact peer-reviewed journals in addition to serving on the editorial boards of several major medical journals. Additionally, he is the editor-in-chief of the Journal of Atrial Fibrillation. With regards to mentoring and training of fellows, every two years at TCAI EPLive, a 2-day intensive educational meeting, is conducted under his direct guidance and supervision. Hundreds of health care providers (specialists, trainees, nurses, and industry) attend the meeting and benefit from first-hand information on the recent advancements in arrhythmia treatment and research as well as get the opportunity to interact with authorities in electrophysiology. Besides, he is the course director of annual International Symposium on Left Atrial Appendage (ISLAA) summit and the Venice Arrhythmia symposium. His goal is to improve patient care through innovative advances in technologies such as robotic devices and highly specialized ablation catheters as well as training future electrophysiologists.

Wednesday, December 5

9:00–10:30 > LEPTIS MAGNA 2

TECHNOLOGY AT COMPARISON

USEFULL AND USELESS PACEMAKERS ALGORITHMS

Chairs: **Y. Nakazato** (Tokyo, JP)
R.P. Ricci (Rome, I)

MEDTRONIC PACEMAKERS

A. Quesada (Valencia, E)

BIOTRONIK PACEMAKERS

T. Infusino (Catanzaro, I)

ABBOTT PACEMAKERS

E. De Ruvo (Rome, I)

BOSTON PACEMAKERS

G. Ciaramitaro (Palermo, I)

MICROPORT PACEMAKERS

G. Mascioli (Bergamo, I)

Discussants: **F. Laurenzi** (Rome, I)

G.B. Magenta (Milan, I)

Wednesday, December 5

9:00–10:30 > LEPTIS MAGNA 4

S-ICD: NEW APPROACHES

Chairs: **M.G. Lunati** (Milan, I)
A.H. Maass (Groningen, NL)

Advances in S-ICD implantation technique

A. Droghetti (Mantova, I)

Smart pass to prevent inappropriate shocks

A. Borrelli (Rome, I)

Avoiding DFT: is it safe?

J. Kuschyk (Heidelberg, D)

Automatic screening

P. Francia (Rome, I)

Combination therapy with other implantable devices

H. Schmidinger (Vienna, A)

A multimodular system: how far we are?

S. De Bonis (Castrovillari-CS, I)

Wednesday, December 5

9:00–10:30 > TARRAGONA

LEFT VENTRICULAR ENDOCARDIAL AND EPICARDIAL PACING

HOW TO SESSION

Chairs: **J. Osca Asensi** (Valencia, E)
M. Shoda (Tokyo, JP)

How to implant a left ventricular pacing lead with a tough coronary sinus anatomy

V. Ducceschi (Valle Lucania-SA, I)

How to assure LV lead stability in the coronary sinus after the first displacement

G. Luzzi (Bari, I)

How to perform a safe extraction of an old lead from the coronary sinus

A. Kutarski (Lublin, PL)

How to safely achieve a stable and appropriate lead position for His Bundle Pacing

L. Marcantoni (Rovigo, I)

How to implant percutaneously an epicardial LV lead

K. Imai (Hiroshima, JP)

Wednesday, December 5

9:00–10:30 > SPALATO

**ANTIARRHYTHMIC DRUG THERAPY FOR AF:
ALL QUIET ON THE WESTERN FRONT...**

Chairs: **G. Altamura** (Rome, I)
S.J. Cazeau (Paris, F)

Atrial selective Sodium Channel Blockers: what's going on?
J.Y. Le Heuzey (Paris, F)

The paradox of dronedarone: still in the guidelines but not
used in clinical practice
S. Fichtner (Munich, D)

The dear old Amiodarone, still the best option
S. Ficili (Rome, I)

Is time to resuscitate old forgotten drugs?
D. Penela (Piacenza, I)

Combination therapy: is there an evidence based background?
S. Fumagalli (Florence, I)

Upstream therapy: current role
M. Santamaria (Campobasso, I)

Wednesday, December 5

9:00–10:30 > POLA

SUSTAINED MONOMORPHIC VT IN ISCHEMIC HEART DISEASE

Chairs: **C. De Asmundis** (Brussels, B)
M. Oliveira (Lisbon, P)

Use of image integration in VT ablation

E. Cronin (Hartford, USA)

Substrate Mapping and or Electrophysiology based ablation

N. Trevisi (Milan, I)

Pace mapping based ablation in non-inducible patients

N. Cabanelas (Lisbon, P)

Ablation: Long terms outcomes

V. Schillaci (Mercogliano-AV, I)

Ablation: When planning a second attempt

A. Colella (Florence, I)

Is ICD implant safely avoidable after a successful VT ablation?

D. Penela (Piacenza, I)

Wednesday, December 5

9:00–10:30 > CESAREA

ENHANCING AF ABLATION EFFICACY

SESSION I

Chairs: **M. Marini** (Trento, I)
T. Yamane (Tokyo, JP)

Catheter ablation of AF using Remote Navigation Systems:
improved outcomes?

G.B. Forleo (Milan, I)

Real Time 2D Intracardiac Echocardiography to assess
catheter contact and lesions size

M. Galeazzi (Rome, I)

3D computed tomography for ablation of AF

A. Borrelli (Rome, I)

Rotational angiography for real-time imaging

J. Ector (Leuven, B)

Combined non invasive and invasive mapping of AF

A. Bulava (České Budějovice, CZ)

AF ablation in hypnosis

M. Scaglione (Asti, I)

Wednesday, December 5

9:00–10:30 > ORANGE 2

SURGICAL TREATMENT OF CARDIAC ARRHYTHMIAS

Chairs: **L. Chiariello** (Rome, I)
F. Musumeci (Rome, I)

Stand alone, minimally invasive, epicardial AF ablation
N. Fragakis (Thessaloniki, GR)

Concomitant epicardial ablation during bypass surgery in
patients with paroxysmal AF
S. Benussi (Zurich, CH)

Concomitant LAA epicardial closure during nonvalvular and
valvular cardiac surgery
R. De Paulis (Rome, I)

Stand alone or concomitant surgical VT ablation
K. Letsas (Athens, GR)

Concomitant implantation of a left ventricular epicardial
lead during cardiac surgery in patients candidate to CRT
P. Stefano (Florence, I)

Surgical Autonomic Denervation to treat VT/VF
G. De Ferrari (Pavia, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5
10:30–11:00 > EXHIBITION AREA

SPEAKER CORNER

Boston Scientific ADVANTICS™ solutions
Maximise clinical operations and team performance
P. Cerofolini (Milan, I)

SCIENTIFIC PROGRAMME

Wednesday, December 5
11:00–12:30 > LEPTIS MAGNA 2

**TECHNOLOGY AT COMPARISON
NOAC AT COMPARISON
PROS & CONS LOOKING AT RCT AND REGISTRIES**

Chairs: **F. Colivicchi** (Rome, I)
J.Y. Le Heuzey (Paris, F)

DABIGATRAN
S. Gallo (Rome, I)

RIVAROXABAN
G. Montalescot (Paris, F)

APIXABAN
F. Andreotti (Rome, I)

EDOXABAN
G. Patti (Rome, I)

GREY ZONE
R. Cappato (Milan, I)

Discussants: **F. Condemi** (Rome, I)
TBA

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5
11:00–11:30 > LEPTIS MAGNA 4

ONE AGAINST ALL

WHICH ARE THE REAL INDICATIONS FOR CURRENT GENERATION OF LEADLESS PACEMAKERS?

Chairs: **P.P. Delnoy** (Zwolle, NL)
C. Tondo (Milan, I)

Speaker: **S. Iacopino** (Lamezia Terme-CZ, I)

Discussants: **R. Rordorf** (Pavia, I)
A. Salvati (Rome, I)

SCIENTIFIC PROGRAMME

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5
11:30–12:00 > LEPTIS MAGNA 4

ONE AGAINST ALL HOW AND WHEN TO RE-IMPLANT AFTER LEADS REMOVAL

Chairs: **A. Kutarski** (Lublin, PL)
C. Pignalberi (Rome, I)

Speaker: **M.L. Narducci** (Rome, Italy)

Discussants: **G. Arena** (Massa, I)
F. Biscione (Rome, I)

SCIENTIFIC PROGRAMME

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5
12:00–12:30 > LEPTIS MAGNA 4

ONE AGAINST ALL

DURABILITY OF CRYOBALLOON BASED PVI: ONCE ISOLATED, ALWAYS ISOLATED?

Chairs: **R. De Ponti** (Varese, I)
M. Gallagher (London, UK)

Speaker: **A. Metzner** (Hamburg, D)

Discussants: **G. Bencardino** (Rome, I)
D. Dugo (Catania, I)

SCIENTIFIC PROGRAMME

Wednesday, December 5

11:00–12:30 > TARRAGONA

ABLATION OF ATRIAL FIBRILLATION WITH ENDOSCOPICALLY GUIDED LASER BALLOON: PREMISES AND FOLLOW-UP

Chairs: **G. Maglia** (Catanzaro, I)
P. Neuzil (Prague, CZ)

3D mapping or anatomically guided approach: pros and cons
A. Metzner (Hamburg, D)

Laser balloon and fiber optic guidance to deploy lesions:
how does it work?

A. Sagone (Sesto S. Giovanni-MI, I)

RF vs laser balloon: is there a difference in terms of
procedure and outcome?

B. Schmidt (Frankfurt, D)

Initial experience with novel compliant Excalibur balloon

G. Rovaris (Monza, I)

Outcome of AF ablated patients and daily monitoring through
implantable loop recorder

G. Senatore (Cirié-TO, I)

Wednesday, December 5

11:00–12:30 > SPALATO

REMOTE MONITORING: DISCOVERING A NEW WORLD

Chairs: **M.S. Baccillieri** (Camposampiero-PD, I)
B. Herweg (Tampa-FL, USA)

Anticoagulant therapy guided by AF detected via
Remote Monitoring
E.T. Locati (Milan, I)

Remote Monitoring and timing of VT ablation in ICD population
G. Sirico (Milan, I)

Remote Monitoring via APP-based platform
E. Marras (Mestre-VE, I)

Economic impact of Remote Monitoring after implantable
defibrillators implantation in heart failure patients: an analysis
from the EFFECT study
V. Calvi (Catania, I)

Hacking implantable devices: is it a potential risk?
How to defend?
TBA

Remote Monitoring: from device to complete
patient management
R.S. Sheldon (Calgary-AB, CDN)

Wednesday, December 5

11:00–12:30 > POLA

AF ARE NOT ALL THE SAME

Chairs: **S. Matsuo** (Tokyo, JP)
A. Rossillo (Vicenza, I)

Paroxysmal AF have worst outcomes than persistent or permanent AF

V. Pennisi (Reggio Calabria, I)

Is there always a natural history driving PAF to persistent or permanent AF?

TBA

Which is the clinical impact of AHRE recorded in CIEDs memory?

S. Spitzer (Dresden, D)

AF related to sick sinus syndrome: different rules of engagement for treatment strategy?

G. Bagliani (Foligno-PG, I)

Role of inflammation in AF

N. Takahashi (Oita, JP)

Are outcome of AF different between women and men?

V. Ribatti (Milan, I)

Wednesday, December 5

11:00–12:30 > CESAREA

ENHANCING AF ABLATION EFFICACY

SESSION II

Chairs: **T. Infusino** (Catanzaro, I)
L.J.L.M. Jordaens (Ghent, B)

Hybrid ablation for long standing persistent AF
C. De Asmundis (Brussels, B)

Improving therapy efficacy with Force feedback and novel
High Density mapping platform
M. Giaccardi (Florence, I)

The Adagio's cryolinear ablation technology for persistent AF
T. De Potter (Aalst, B)

Heart light endoscopic ablation system
L. Perrotta (Frankfurt, D)

Robotic ablation of AF
A. Scarà (Rome, I)

Chemical ablation of AF
K. Okishige (Yokohama, JP)

Wednesday, December 5

11:00–12:30 > ORANGE 2

ROUNDTABLE:

ABLATION INDEX ITALIAN EXPERIENCE - 1 YEAR LATER

Organized by Biosense Webster - Johnson & Johnson Medical SpA

Chairs: **G. Senatore** (Ciriè-to, I)
F. Solimene (Mercogliano-AV, I)

How to reduce PVI reconnection risk in AF ablation
M. Grimaldi (Bari, I)

State of the art - from the past to today
C. Lavallo (Rome, I)

Vistax Multicenter experience in AF
E. Soldati (Pisa, I)

Atrial fibrillation Italian Registry
E. De Ruvo (Rome, I)

Atrial fibrillation Air Multicenter Study
G. Stabile (Naples, I)

CartoSound & multipolar guided AI Approach
C. Pandozi (Rome, I)

Low Floro AI strategy
M. Scaglione (Asti, I)

Right Ventricular Outflow Tract Tachycardias Multicenter Study
M. Casella (Milan, I)

Typical Flutter FLAI Study
G. Viola (Nuoro, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5
12:30–13:15 > LEPTIS MAGNA 2

DEBATE

MAPPING OF MACROREENTRY: ENTRAINMENT VS HIGH-DENSITY ACTIVATION MAPPING

Chairs: **R. Cappato** (Milan, I)
A. Chu (Providence-RI, USA)

Entrainment
P. Santangeli (Philadelphia-PA, USA)

HD activation mapping
I. Nault (Quebec, CDN)

General discussion

SCIENTIFIC PROGRAMME

Wednesday, December 5
13:15–14:00 > LEPTIS MAGNA 2

THE BIG BROTHER CORNER

CRT-P OR CRT-D IN OLDER PATIENTS WITH COMORBIDITIES

Chairs: **G. Ansalone** (Rome, I)
F. Laurenzi (Rome, I)

CRT-P
G. Zingarini (Perugia, I)

CRT-D
M. Shoda (Tokyo, JP)

Global discussion

Chairmen judgment: Who is the winner?

Wednesday, December 5
12:30–14:00 > LEPTIS MAGNA 4

**TARGET IN PERSISTENT AF ABLATION: WHAT WE DO,
WHAT WE DON'T DO ENOUGH**

Chairs: **L. Calò** (Rome, I)
Z. Eldadah (Washington-DC, USA)

PVI: is it really not enough?
T. Vogtmann (Postdam, D)

Substrate modification: what are we looking for?
T. Rio (Pesaro, I)

To map or not to map in sinus rhythm
Y. De Greef (Antwerp, B)

Which evidence from rotor mapping
A. Scopinaro (Alessandria, I)

Looking for extra PV focus
B. Nguyen (Rome, I)

Integrated MR imaging: can be the key?
A. Borrelli (Rome, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5

12:30–14:00 > TARRAGONA

LEADLESS CARDIAC PACING

Supported by Medtronic

Chairs: **L. Bontempi** (Brescia, I)
M. Santini (Rome, I)

Which pacemaker patients benefit from a Transcatheter Pacing System?

C. D'Agostino (Bari, I)

Clinical experience with Transcatheter Pacing: Latest results

M.G. Bongiorno (Pisa, I)

Is leadless pacemaker extraction a feasible approach?

A. Curnis (Brescia, I)

Transcatheter Pacing System future perspectives

C. Tondo (Milan, I)

SCIENTIFIC PROGRAMME

Wednesday, December 5

12:30–14:00 > SPALATO

LONG TERM FOLLOW-UP OF MADIT II PATIENTS

Chairs: **A.S. Manolis** (Athens, GR)
A. Raviele (Mestre-VE, I)

15 years from MADIT II: As time goes by ICD is more and more effective

G. Ciaramitaro (Palermo, I)

How does ICD programming impact on prognosis of MADIT II patients?

G. Rovaris (Monza, I)

How does CRT impact on QOL and survival in MADIT II patients?

R. Piotrowicz (Warsaw, PL)

How does battery longevity impact QOL and survival in MADIT II patients?

M. Landolina (Crema, I)

How do leads longevity impact QOL and survival in MADIT II patients?

C.J. Love (Columbus-OH, USA)

How do newest anti-HF drugs impact QOL and survival in MADIT II patients?

M. Porcu (Cagliari, I)

Wednesday, December 5

12:30–14:00 > POLA

WIRELESS LV ENDOCARDIAL PACING

Supported by EBR Systems Inc.

Chairs: **C. Butter** (Bernau, D)
L. Santini (Rome, I)

Rationale for wireless LV endocardial pacing
TBA

Review and evolution of WiSE-CRT technology
P.P. Delnoy (Zwolle, NL)

Clinical Medium-Term Results: Data from Post Market
Surveillance Registry
C. Butter (Bernau, D)

Improved clinical outcomes by targeting left ventricular pacing site
A. Rinaldi (London, UK)

Short and medium-term perspectives
A. Shute (Sunnyvale-CA, USA)

Wednesday, December 5

12:30–14:00 > CESAREA

IDIOPATHIC VF

Chairs: **C. Autore** (Rome, I)
N. El Sherif (New York-NJ, USA)

Prevention is the first line therapy

L. Costantini (Pavia, I)

Management of patients' direct relatives

E. Franchi (Verona, I)

Ventricular myocardial fibrosis and ventricular arrhythmias

J.A. Cabrera Rodriguez (Madrid, E)

ICD implantation future role in preventing idiopathic VF

M. Takagi (Osaka, JP)

Genetic stratification and therapy: where are we?

D. Thomas (Heidelberg, D)

Is there any role for the wearable defibrillator?

L. Rossi (Piacenza, I)

Wednesday, December 5

12:30–14:00 > ORANGE 2

**ACCURACY MATTERS: HIGH DENSITY MAPPING,
CONTACT FORCE AND 3-D NAVIGATION**

Supported by Abbott Medical Italia

Chairs **V. Ducceschi** (Naples, I)
R. Mantovan (Conegliano Veneto-TV, I)

Low Fluoro EP Ablations
M. Giaccardi (Florence, I)

Contact Force for AF Ablation
G. Paparella (Bruxelles, B)

High Density Mapping for Persistent AF
M. Grimaldi (Acquaviva delle Fonti-BA, I)

High Density Mapping for Complex Arrhythmias
P. Sommer (Leipzig, D)

High Density Mapping for VT: Post-Myocardial Infarction
M. Scaglione (Asti, I)

High Density Mapping for VT: ARVD and IDCM
P. Della Bella (Milan, I)

Wednesday, December 5

12:30–14:00 > ORANGE 1

FREE PAPERS CATHETER ABLATION OF ATRIAL FIBRILLATION

Chairs: **A. Ardashev** (Moscow, RU)
D. Catanzariti (Rovereto-TN, I)

IS THERE A ROLE FOR ADENOSINE IN CONFIRMING PULMONARY VEIN ISOLATION IN ATRIAL FIBRILLATION ABLATION?

A. Nunes-Ferreira, N. Cortez-Dias, I. Goncalves, G. Lima da Silva, J.R. Agostinho, I. Aguiar-Ricardo, J. Rigueira, A. Bernardes, L. Carpinteiro, F.J. Pinto, J. Sousa
Lisboa, PORTUGAL

DEMOGRAPHICS, SAFETY AND ACUTE PROCEDURAL OUTCOMES USING PHASED RF ABLATION FOR ATRIAL FIBRILLATION ABLATION IN ITALY: DATA FROM THE MULTICENTER PROSPECTIVE GOLD AF REGIS

G. Maglia (1), G. Zanutto (2), M. Pozzi (3), F. Laurenzi (4), P. De Filippo (5), G. Rovaris (3)
(1) Catanzaro, (2) Legnago-VR, (3) Monza, (4) Rome, (5) Bergamo, ITALY

PROPHYLACTIC PULMONARY VEIN ISOLATION DURING ISTHMUS ABLATION FOR ATRIAL FLUTTER: THREE-YEAR OUTCOMES OF THE PREVENT AF I STUDY

S. Bayramova (1), A. Romanov (1), E. Pokushalov (1), D. Ponomarev (1), V. Shabanov (1), D. Losik (1), I. Stenin (1), D. Elesin (1), I. Mikheenko (1), J. Steinber (2)
(1) Novosibirsk, RUSSIA (2) New York, USA

HOW TO QUANTIFY LEFT ATRIUM FIBROSIS IN ATRIAL FIBRILLATION? AN OPEN QUESTION IN CLINICAL PRACTICE

A. Andalò, M. Valinoti, C. Fabbri, M. Alessandro, C. Corsi, S. Severi, P. Sabbatani
Cesena-FC, ITALY

THE ROLE OF GENDER AND BODY SIZE IN PREDICTING AF RECURRENCES AFTER ABLATION

A. Pump
Pecs, HUNGARY

PRELIMINARY EVALUATION OF THE STABILITY OF A MAPPING CATHETER POSITION DURING RADIO-FREQUENCY ABLATION TREATMENT

S. Soccio (1), L. Graziano (1), L. Sacchetti (2), C. Corsi (1), S. Severi (1), P. Sabbatani (1)
(1) Cesena-FC, (2) Milan, ITALY

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5
14:00–14:30 > EXHIBITION AREA

SPEAKER CORNER

Impact of Sub-Clinical Atrial Fibrillation on Thromboembolic
Risk: Current Evidence and Future Perspectives

M. Proietti (Rome, I)

SCIENTIFIC PROGRAMME

Wednesday, December 5
14:30–16:00 > LEPTIS MAGNA 2

**TECHNOLOGY AT COMPARISON
CIED REMOTE MONITORING SYSTEM AT COMPARISON
TECHNOLOGICAL CHARACTERISTICS AND SCIENTIFIC EVIDENCE OF
CLINICAL IMPACT**

Chairs: **M.G. Lunati** (Milan, I)
TBA

Home Monitoring (Biotronik)
G. Mascioli (Bergamo, I)

CareLink (Medtronic)
G. Bisignani (Castrovillari-CS, I)

Latitude (Boston)
J.M. Tolosana (Barcelona, E)

Merlin (Abbott)
G. Giannola (Palermo, I)

Discussants: **M.S. Baccillieri** (Camposampiero-PD, I)
E. Marras (Mestre-VE, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5
14:30–16:00 > LEPTIS MAGNA 4

CHALLENGING CLINICAL CASES IN EP THE WORD TO THE MASTERS

Chairs: **A. Curnis** (Brescia, I)
M. Wright (London, UK)

Accessory AV pathways
R. De Ponti (Varese, I)

AF
G. De Fabrizio (Avellino, I)

VT
A. Castro (Rome, I)

SCIENTIFIC PROGRAMME

Wednesday, December 5

14:30–16:00 > TARRAGONA

**CRYOABLATION FOR AF: NOVELTIES IN DOSING AND
DURATION OF ABLATION**

Chairs: **G.B. Chierchia** (Brussels, B)
P.G. Guerra (Montreal-QC, CDN)

Cryotherapy and Biophysics of Ablation
M. Dubuc (Montreal-QC, CDN)

Dosing of Cryoenergy, Pathophysiology and Anatomic Studies
J. Andrade (Vancouver, CDN)

Duration of Cryoapplication: Are we under or over
treating patients?
B.K. Lee (San Francisco-CA, USA)

Evolution of Clinical Practice in Cryoablation
G.B. Chierchia (Brussels, B)

Wednesday, December 5

14:30–16:00 > SPALATO

CHOOSING PROPERLY THE TYPE OF ICD IN DIFFERENT SETTINGS

Chairs: **E. Aliot** (Nancy, F)
S. Favale (Bari, I)

Pediatric patients
R. Remoli (Rome, I)

HCM patients
A. Michelucci (Florence, I)

Channelopathies
A.S. Manolis (Athens, GR)

MADIT II patients
A. Grace (Cambridge, UK)

Permanent AF patients
L.P. Papavasileiou (Athens, GR)

Fragile and very old patients
S. Ferretto (Padua, I)

Wednesday, December 5

14:30–16:00 > POLA

ENHANCING VT ABLATION EFFICACY

Chairs: **D.L. Packer** (Rochester-MN, USA)
Y. Sekiguchi (Tsukuba, JP)

The role of preoperative non invasive mapping
E. Artyukhina (Moscow, RU)

High density mapping: real added value?
C. Lavallo (Rome, I)

Use of ECHO/ICE during VT ablation
S. Kapa (Rochester-MN, USA)

CT image and integration in VT ablation
A. Ardashev (Moscow, RU)

Radiofrequency energy and focus depth optimization
K. Satomi (Tokyo, JP)

Surgical ablation
S. Benussi (Zurich, CH)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5

14:30–16:00 > CESAREA

HEART FAILURE 2018

Chairs: **J.J. Blanc** (Brest, F)
B. Sassone (Cento-FE, I)

Automatic adjusting timing AV delays
C. Dicandia (Bari, I)

Atrial Fibrillation in Heart Failure with preserved Ejection fraction
S. Saksena (New Brunswick-NJ, USA)

LV only pacing better than conventional CRT?
J. Osca Asensi (Valencia, E)

Measuring cardiac contractility: new leads and algorithm
B. Petracchi (Pavia, I)

Wearable ICD: which role in HF patients?
R.P. Ricci (Rome, I)

Early LVAD treatment: Heart Mate III improves outcome
TBA

SCIENTIFIC PROGRAMME

Wednesday, December 5

14:30–16:00 > ORANGE 2

**TURNING NON-RESPONDERS TO CRT TO RESPONDERS:
A WAR WITHOUT END...**

Chairs: **N. Krasniqi** (Wetzikon, CH)
TBA

Cardiac MRI to select CRT candidates
N. Marrouche (Salt Lake City, USA)

Electroanatomical mapping as guide for CRT
M. Madalosso (Mestre-VE, I)

The role of AV node or AF ablation
J. Brachmann (Coburg, D)

The new quadripolar active and passive fixation leads
F. De Vecchi (Novara, I)

Endocardial LV pacing
G. Mascioli (Bergamo, I)

Multipoint pacing
G. Picciolo (Messina, I)

Wednesday, December 5
16:00–17:30 > LEPTIS MAGNA 2

ROUND TABLE

S-ICD: MODEST STEP OR QUANTUM LEAP?

Chairs: **P. Neuzil** (Prague, CZ)
L. Santini (Rome, I)

Faculty:

- **J. Catanzaro** (USA)
- **K. Letsas** (Athens, GR)
- **J.G. Martinez** (Alicante, E)
- **B. Sarubbi** (Naples, I)
- **A. Scalone** (Cagliari, I)
- **D.A.J.M. Theuns** (Rotterdam, NL)

Chairmen questions

Open discussion

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5
17:30–19:00 > LEPTIS MAGNA 2

FREE PAPERS CONGENITAL ARRHYTHMOGENIC DISEASES

Chairs: **B. Sarubbi** (Naples, I)
L. Leoni (Padua, I)

MANAGEMENT AND OUTCOME OF ELECTROCARDIOGRAPHIC CHANGES IN PEDIATRIC PATIENTS WITH ACUTE MYOCARDITIS

K. Weng
Kaohsiung, TAIWAN

FREQUENT VENTRICULAR PREMATURE BEATS IN CHILDREN AND ADOLESCENTS: NATURAL HISTORY AND RELATIONSHIP WITH SPORT ACTIVITY IN A LONG TERM FOLLOW UP

G. Porcedda, A. Brambilla, S. Favilli, M. Giaccardi
Florence, ITALY

ASSESSMENT OF EARLY REPOLARIZATION/J WAVE PATTERN WITH CLINICAL OUTCOME IN PATIENTS WITH DOCUMENTED ISCHEMIC HEART DISEASE

A. Bisignani, A. De Vita, S.E. Ravenna, L. Manfredonia, E. Mencarelli, V. Melita, A. Villano, P. Lamendola, G.A. Lanza, F. Crea
Rome, ITALY

CLINICAL, GENETIC AND BIOPHYSICAL CHARACTERISTICS OF T309I VARIANT IN KCNQ1 GENE - A NEW FOUNDER MUTATION ASSOCIATED WITH LONG QT SYNDROME?

T. Novotny, I. Synkova, M. Bebarova, I. Andrsova, O. Svecova, J. Hosek, R. Gaillyova, I. Valaskova, P. Vit, T. Chlupova, J. Spinar
Brno, CZECH REPUBLIC

A CASE OF ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY DIAGNOSED AFTER A COMPLICATION OF THE IMPLANTABLE CARDIOVERTER DEFIBRILLATOR

I. Finamora, A. Guido, M. Di Maggio, F. Rimmaudo, G. Caroli, C. Volpe, M.I. Gioia, V.F. Napoli, F. Nacci, V.E. Santobuono, R. Memeo, C. Forleo, M. Anaclerio, G. Luzzi, S. Favale
Bari, ITALY

ASYMPTOMATIC BRUGADA SYNDROME RISK STRATIFICATION: IS THERE A ROLE FOR FLECAINIDE?

A. Nunes-Ferreira, N. Cortez-Dias, I. Gonçalves, J.R. Agostinho, I. Aguiar-Ricardo, J. Rigueira, P. António, A. Paixão, L. Carpinteiro, F.J. Pinto, J. Sousa
Lisboa, PORTUGAL

SCIENTIFIC PROGRAMME

Wednesday, December 5
16:00–16:45 > LEPTIS MAGNA 4

THE BIG BROTHER CORNER

**SHALL WE START ANTICOAGULATION THERAPY SOON AFTER
DETECTING AF IN CRYPTOGENETIC STROKE?**

VIDEO SESSION

Chairs: **G. Gensini** (Florence, I)
L.G. Molina (Mexico City, MX)

Agonist
P. Chevalier (Lyon, F)

Antagonist
D. Toni (Rome, I)

Good and bad comments

Chairmen judgment: Who is the winner?

Wednesday, December 5
16:45–17:30 > LEPTIS MAGNA 4

THE BIG BROTHER CORNER

IS TRIPLE THERAPY MANDATORY IN PATIENTS WITH AF AND CAD?

VIDEO SESSION

Chairs: **S. Koulouris** (Neuendettelsau, D)
F. Fedele (Rome, I)

Agonist
M. Tubaro (Rome, I)

Antagonist
R. Cappato (Milan, I)

Good and bad comments

Chairmen judgment: Who is the winner?

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5
17:30–19:00 > LEPTIS MAGNA 4

FREE PAPERS CRT IMPLANT TECHNIQUES

Chairs: **F. Stazi** (Rome, I)
G. Lascault (Saint Denis, F)

SCREENING TIME AND DEVICE IMPLANT EXPERIENCE IN CARDIAC RESYNCHRONISATION

I. Harding (1), B. Evranos (1), L. Leung (1), Z. Zuberi (3), A. Bajpai (1), J. Lalor (1), H. Gonna (1),
A. Cox (1), A. Li (1), M. Sohal (1), A. Grimster (1), Z. Chen (1), I. Beeton (2), M. Gallagher (1)
(1) London (2) Chertsey (3) Guilford, UNITED KINGDOM

PERFORMANCE OF QUADRIPOlar LV PACING LEADS IMPLANTED IN A SINGLE CENTER IN A MEDIUM-LONG TERM FOLLOW UP

M. Racheli, D. Bianco, S. Badolati
La Spezia (Italy)

ITALIAN MULTICENTER EXPERIENCE WITH A NEW ACTIVE FIXATION QUADRIPOlar LEFT VENTRICULAR LEAD

T. Infusino (1), M. Mezzetti (2), M. Ziacchi (3), F. Urraro (4), S. Savastano (5), F. Solimene (6),
M. Landolina (7), A. Capucci (8), S. Iacopino (9), G. Luzzi (10), R. Foti (11), T. Agricola (12),
D. Pecora (13), W. Rauhe (14)
(1) Catanzaro (2) Urbino (3) Bologna (4) Benevento (5) Pavia (6) Mercogliano-AV (7) Crema-CR (8)
Ancona (9) Cotignola-RA (10) Bari (11) Taormina-ME (12) Pescara (13) Brescia (14) Bolzano, ITALY

SUCCESS OF TRIPLE CEPHALIC VENOUS ACCESS FOR CRT IMPLANTS

I. Harding, B. Evranos, L. Leung, A. Grimster, H. Gonna, M. Gallagher
London, UNITED KINGDOM

ABSENT RIGHT AND PERSISTENT LEFT SUPERIOR VENA CAVA : BIVENTRICULAR PACEMAKER IMPLANT AFTER VENTRICULAR BUNDLE-BRANCH RE-ENTRY TACHYCARDIA ABLATION: A CASE REPORT

E. Casorelli (1), L. Segreti (2), J. Attene (1), R. Iadicola (1), I. Pescatori (1), L. Sinesi (1),
U. Giannotti (1), F. Bui (1)
(1) Montepulciano-SI (2) Pisa, ITALY

CARDIAC RESYNCHRONIZATION THERAPY DEVICE IMPLANTATION VIA PERSISTENT LEFT SUPERIOR VENA CAVA AFTER REMOVAL OF INFECTED DEVICE FROM THE CONTRALATERAL SIDE

T. Yamamoto (1), K. Akiyoshi (1), M. Sekigawa (1), A. Yagishita (1), S. Maeda (1), Y. Takahashi (1),
M. Goya (1), K. Hirao (1), K. Ando (2)
(1) Tokyo (2) Fukuoka, JAPAN

SCIENTIFIC PROGRAMME

Wednesday, December 5

16:00–17:30 > TARRAGONA

ELECTRICAL STORM: A GUIDE FOR USE...

Chairs: **R. Luise** (L'Aquila, I)
P.N.C. Marques (Lisbon, P)

How to manage an Electrical Storm? Drugs against catheters
D. Melissano (Casarano-LE, I)

Appropriate timing and approach for ablation
A. Peralta (Boston-MA, USA)

Appropriate ICD programming
S. Donzelli (Terni, I)

Outcomes in electrical storm
S. Szili-Torok (Rotterdam, NL)

Role Extracorporeal life support
G. Giunta (Rome, I)

The unsolved ethical issue of ICD deactivation
G. Nigro (Naples, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5

17:30–19:00 > TARRAGONA

FREE PAPERS NEW TECHNOLOGIES FOR CRT AND S-ICD

Chairs: **G. Giannola** (Palermo, I)
J.G. Martinez (Alicante, E)

HIS BUNDLE PACING IN LEFT BUNDLE BRANCH BLOCK PATIENTS

L. Marcantoni, G. Pastore, E. Baracca, C. Picariello, M. Carraro, K. D'elia, S. Aggio, D. Lanza, S. Giatti, L. Roncon, F. Zanon

Rovigo ITALY

HOW TO OPTIMIZE CARDIAC RESYNCHRONIZATION THERAPY - THE ROLE OF RIGHT VENTRICULAR LEAD

A. Nunes-Ferreira, I. Gonçalves, K. Congo, J.R. Agostinho, I. Aguiar-Ricardo, J. Rigueira, A. Bernardes, F.J. Pinto, J. Sousa, P. Marques

Lisboa, PORTUGAL

EARLY RESULTS FROM A NOVEL QUADRIPOlar ACTIVE FIXATION LEFT VENTRICULAR PACING LEAD

A. Guido (1), I. Finamora (2), F. Lisi (2), V.E. Santobuono (2), R. Memeo (2), M. Anaclerio (2), C.E. Pisanò (3), M. Accogli (1), P. Palmisano (1), G. Luzzi (4), S. Favale (2)

(1) Tricase-LE, (2) Bari, (3) Lecce, (4) Castellaneta-TA, ITALY

MULTICENTER EXPERIENCE WITH THE SECOND GENERATION OF SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATOR AND INTERMUSCULAR TWO INCISION TECHNIQUE: SAFETY AND EFFICACY

F. Migliore (1), G. Mattesi (1), P. De Franceschi (1), M. Siciliano (1), G. Allocca (2), M. Crosato (2), V. Calzolari (2), M. Fantinel (3), B. Ortis (4), D. Facchin (5), E. Daleffe (5), E. Marras (6), F. Zanon (7), L. Marcantoni (7), S. Iliceto (1), E. Bertaglia (1), M. Zecchin (4)

(1) Padova, (2) Treviso, (3) Belluno, (4) Trieste, (5) Udine, (6) Mestre, (7) Rovigo, ITALY

A NOVEL BIOENVELOPE TO STABILIZE DEFIBRILLATION VECTOR AND SHOCK IMPEDANCE AT IMPLANT IN THE SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATOR

J.N. Catanzaro, J. Levine, J. Su, S. Hsu, R. Kim

Jacksonville, USA

SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATOR IN PATIENTS WITH ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY: RESULTS FROM AN ITALIAN MULTICENTER REGISTRY

F. Migliore (1), S. Viani (2), M.G. Bongiorno (2), A. Zorzi (1), M.S. Silveti (3), P. Francia (3), A. D'onofrio (4), P. De Franceschi (1), S. Sala (5), S. Donzelli (6), G. Ricciardi (7), E. Menardi (8), M. Giammaria (9), C. La Greca (10), B. Bauce (1), I. Rigato (1), S. Iliceto (1), E. Bertaglia (1), I. Diemberger (11), D. Corrado (1)

(1) Padua, (2) Pisa, (3) Roma, (4) Napoli, (5) Milan, (6) Terni, (7) Florence (8) Cuneo, (9) Turin, (10) Brescia, (11) Bologna, Italy

SCIENTIFIC PROGRAMME

Wednesday, December 5

16:00–17:30 > SPALATO

LET'S ABLATE AF TO...

Chairs: **A. Grace** (Cambridge, UK)
F. Lamberti (Rome, I)

...to reduce stroke rate

A. Avella (Rome, I)

...to improve heart failure

E. Crystal (Toronto, CDN)

...to reduce risk of dementia

R. Proietti (Terni, I)

... to reduce hospitalizations

D. Catanzariti (Rovereto-TN, I)

...to Improve quality of life

D.G. Della Rocca (Rome, I)

...to reduce mortality

F. Pentimalli (Savona, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5

17:30–19:00 > SPALATO

FREE PAPERS VT AND AVNRT ABLATION

Chairs: **N. Fragakis** (Thessaloniki, GR)
M. Manfrin (Bolzano, I)

DELAYED EFFICACY OF RADIOFREQUENCY CATHETER ABLATION ON ARRHYTHMIAS ORIGINATING IN THE INTERVENTRICULAR BASAL SEPTUM

M.V. Mariani, M.C. Gatto, A. Piro, M. Mancone, F. Fedele, C. Lavallo
Rome, ITALY

SAFETY AND FEASIBILITY OF RETROGRADE APPROACH TO MAP THE LEFT VENTRICLE BY USING THE ORION CATHETER

V. Ducceschi (1), R. Sangiuolo (1), M. De Divitiis (1), F. Maddaluno (2)
(1) Naples, (2) Milan, ITALY

FEASIBILITY, SAFETY AND ACUTE EFFICACY OF HIGH POWER RADIOFREQUENCY ABLATION IN VENTRICULAR ARRHYTHMIAS. THE HP RAVA PROOF OF CONCEPT PILOT STUDY

F.M. Cauti (1), P. Rossi (1), P. Pasqualetti (1), E. Rotigliano (2), G. Allegretti (2), D. Magrì (1),
L. Limite (1), L. Iaia (1), S. Bianchi (1)
(1) Rome, (2) Agrate Brianza-MB, ITALY

HIGH DENSITY TO AVNRT, NEW INSIGHT

G. Del Giorno (1), L. Segreti (2), M. Russo (3), C. Lavallo (3), A. Carbone (1), M.L. Narducci (3),
G. Zingarini (4), A. Piro (3), M. Galeazzi (3), S. Ficili (3), M.G. Bongiorno (2), G. Pelargonio (3),
A. Catalano (1), F. Piccolo (5), M. Malacrida (5), F. Colivicchi (3), C. Pandozi (3)
(1) Eboli-SA, (2) Pisa, (3) Rome, (4) Perugia, (5) Milan, ITALY

ABLATION OF NODAL REENTRY TACHYCARDIA: ACUTE EVALUATION OF STABILITY AND EFFICACY WITH AN IRRIGATED FLEXIBLE TIP CATHETER

P. Sabbatani (1), A. Corzani (1), B. Gardini (1), D. Saporito (2), M. Marconi (1), L. Sacchetti (3)
(1) Cesena-FC, (2) Rimini, (3) Milan, ITALY

SAFETY OF RF ABLATION OF ATRIAL FIBRILLATION IN PATIENTS WITH MOBILE THROMBUS ON PACEMAKER LEADS

G. Gromyko, D. Mangutov, N. Safonov, A. Fayez, K. Ismatov, A. Lischuk
Moscow, RUSSIA

SCIENTIFIC PROGRAMME

Wednesday, December 5

16:00–17:30 > POLA

WHEN AND HOW TO UPGRADE FROM PM/ICD TO CRT

Chairs: **V.P. Vassilikos** (Thessaloniki, GR)
TBA

Reducing RV pacing or upgrading to CRT?

P.T. Matusik (Krakow, PL)

Do we upgrade to CRT more from apical or from septal pacing

J.J. Garcia Guerrero (Badajoz, E)

Have CRT upgrades the same outcome of de novo implantations?

S.J. Cazeau (Paris, I)

Preventive CRT: upgrading for EF lower 35% only or
45% as well?

P. Scipione (Fabriano-AN, I)

S-ICD and CRT-P: a perfect team?

D. Ricciardi (Rome, I)

Cost-effectiveness analysis

TBA

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5

17:30–19:00 > POLA

FREE PAPERS

NEW TOOLS FOR CARDIAC ARRHYTHMIAS DIAGNOSIS AND FOLLOW-UP

Chairs: **S. Paraskevaïdis** (Thessaloniki, GR)
TBA

DIAGNOSTIC UTILITY OF THE CARNATION AMBULATORY MONITOR IN PATIENTS WITH SUSPECTED CARDIAC ARRHYTHMIAS

H. Ali, P. Lupo, S. Foresti, G. De Ambroggi, R. Mantovani, R. Cappato
Milan, ITALY

META-ANALYSIS OF SINUS RHYTHM RESTORATION AND MAINTENANCE BY ELECTRICAL CARDIOVERSION OR CATHETER ABLATION IN PATIENTS WITH CHRONIC KIDNEY DISEASE

G. Massaro (1), G. Boriani (2), S. Genovesi (3), M.L. Bacchi Reggiani (1), J. Frisoni (1), G. Gorlato (2), E. Mauro (2), M. Padeletti (4), A. Vincenti (5), I. Diemberger (1)
(1) Bologna, (2) Modena, (3) Monza, (4) Florence, (5) Milan, ITALY

COMPARISON OF THE IMPLANTABLE CARDIAC MONITOR REVEAL LINQ VERSUS REVEAL XT IN YOUNG PATIENTS WITH SYNCOPE OR RECURRENT PALPITATIONS

M. Santomauro, R. Giordano, G. Comentale, C. Riganti, M. Petretta, G. Palma, E. Pilato, G. Iannelli, D. Bonaduce
Naples, ITALY

EFFECT OF THORACIC MAGNETIC RESONANCE IMAGING SCAN ON IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR SYSTEM- ASIA MRI ICD STUDY

R. Vijayvergiya (1), B. Singh (2), U. Kaul (3), P. Chandra (2), C. Narasimhan (4), C. Keun (5), A. Aziz (6), A. Jaswal (3), T. Kler (3), Y. Oh (5), S. Dora (7), D. Ghosh (8), K. Bhargava (2), M. Bhatia (3), B.Y. Joung (5), S. Anand (3), P. Singh (3), N. Sharma (3), W.Q. Wong (9)
(1) Chandigarh, INDIA, (2) Gurugram, INDIA, (3) Delhi, INDIA, (4) Hyderabad, INDIA, (5) Seoul, SOUTH KOREA, (6) Malaysia, MALAYSIA, (7) Mumbai, INDIA, (8) Kolkata, INDIA, (9) Singapore, SINGAPORE

WHY DO PATIENTS WITH AN IMPLANTED CARDIOVERTER-DEFIBRILLATOR DIE?

N. Herbert (1), D. Stierle (1), K. Krause (1), M. Naegele (2)
(1) Hamburg, GERMANY, (2) Zürich, SWITZERLAND

SCIENTIFIC PROGRAMME

Wednesday, December 5

16:00–17:30 > CESAREA

PERSISTENT AF ABLATION: THE ULTIMATE STRATEGY

Chairs: **F. Bourier** (Munich, D)
G. Maglia (Catanzaro, I)

Signal guided
TBA

Rotor guided
S. Grossi (Turin, I)

Artificial Intelligence-guided AF ablation
J. Seitz (Marseille, F)

Hybrid Ablation
C. Pandozi (Rome, I)

The need for a patient based tailored approach
G. Carreras (Terni, I)

Why do you want ablate persistent AF?
G. Ricciardi (Florence, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5

17:30–19:00 > CESAREA

FREE PAPERS CARDIAC PACING TECHNICAL AND CLINICAL ISSUES

Chairs: **A. Ronaszeki** (Nice, F)
P. Scipione (Fabriano-AN, I)

USE OF THE CEPHALIC VEIN FOR CRM DEVICE UPGRADE AND REVISION PROCEDURES

I. Harding (1), B Evranos (1), L. LEUNG (1), Z. Zuberi (2), A. Bajpai (1), J. Lalor (1), H. Gonna (1), A. Cox (1), A. Li (1), M. Sohal (1), A. Grimster (1), Z. Chen (1), I. Beeton (3), M. Gallagher (1)
(1) London (2) Guildford (3) Chertsey, UNITED KINGDOM

ACTIVE FIXATION LEAD IMPROVES CLINICAL RESPONSE TO CARDIAC RESYNCHRONIZATION THERAPY

M. Mezzetti, M. Casale, M. Morelli, L. Caccamo, P. Busacca
Urbino, ITALY

ATRIAL SENSING PERFORMANCE OF SINGLE-LEAD ICD DURING ATRIAL FIBRILLATION

L. Mancini, C. Campanella, M. Resta, P. Caldarola
Bari, ITALY

INFLUENCE OF TRANSVENOUS LEAD EXTRACTION PROCEDURE ON FUNCTION OF TRICUSPID APPARATUS

A.K. Kutarski (1), D.N. Nowosielecka (2), L.T. Tulecki (2), K.T. Tomkow (2), A.K. Kleinrok (2), A.P. Polewczyk (3)
(1) Lublin (2) Zamosc (3) Kielce, POLAND

A SUMMARY OF 1.5-PREVENTION PATIENTS IN THE IMPROVE SCA STUDY

R. Vijayvergiya (1), S. Zhang (2), B. Singh (3), C. Ching (4), D. Huang (5), Y. Liu (6), D. Rodriguez (7), A. Hussin (8), Y. Kim (9), J. Cerkenik (10), A. Chasnoits (11)
(1) Chandigarh, INDIA, (2) Beijing, CHINA (3) Gurugram, INDIA (4) Singapore, SINGAPORE (5) Chengdu, CHINA (6) Taipei City, TAIWAN (7) Bogota, COLOMBIA (8) Kuala Lumpur, MALAYSIA (9) Seoul, SOUTH KOREA (10) Minnesota, USA (11) Minsk, BELARUS

SCIENTIFIC PROGRAMME

Wednesday, December 5

16:00–17:30 > ORANGE 2

INDICATIONS FOR IMPLANTABLE LOOP RECORDER

Supported by Medtronic

Chairs: **F. Ammirati** (Rome, I)
G. Senatore (Ciriè-TO, I)

Next generations of injectable Cardiac Monitoring
G. Bisignani (Castrovillari-CS, I)

ILR in very high thromboembolic risk patients for primary prevention of Stroke
A. Adami (Negrar-VR, I)

ILR in patients with previous cryptogenic stroke: how to manage the increased detection rate of AF?
M. Rafanelli (Florence, I)

ILR in post myocardial infarction patients to assess arrhythmic burden
A. Curcio (Catanzaro, I)

ILR in asymptomatic Brugada patients
L. Crotti (Pavia, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy
Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5

17:30–19:00 > ORANGE 2

FREE PAPERS PEDIATRIC AND ADULTS CARDIAC ARRHYTHMIAS TREATMENT

Chairs: **K. Dagriri** (Riyadh, SA)
M.S. Silvetti (Rome, I)

BAROREFLEX ACTIVATION THERAPY FOR DRUG-RESISTANT ARTERIAL HYPERTENSION: MID-TERM RESULTS OF PROSPECTIVE AMBULATORY BLOOD PRESSURE REGISTRY IN 50 PATIENTS

M. Knaut, S. Grimm, T. Madej, K. Matschke
Dresden, GERMANY

ESOPHAGEAL THERMAL PROBES: FAST IS THE ONLY OPTION

A. Fasano
Florence ITALY

TRANSVENOUS LEAD EXTRACTION ONLY IN HYBRID ROOM OR IN CARDIAC SURGERY OPERATING THEATRE WITH "ARM C" X-RAY MACHINE. QUALITY OF X-RAY MACHINE DOES MATTER?

A.K. Kutarski (1), L.T. Tulecki (2), K.T. Tomkow (2), D.N. Nowosielecka (2), A.P. Polewczyk (3), W.J. Jachec (4)
(1) Lublin (2,) Zamosc (3) Kielce (4) Zabrze, POLAND

ADULTS PATIENTS WITH REPAIRED TETRALOGY OF FALLOT ARE AT RISK OF SUDDEN CARDIAC DEATH, ARE WE PROTECTING THEM PROPERLY?

D. Nicolis, P. Pepi, R. Michele, C. Fava, L. Dall'olio, L. Tomasi, N. Cicorella, F. Cionini, C. Lettieri
Mantova, ITALY

PACEMAKER IMPLANTATION IN A 104-YEARS-OLD MAN: WHEN LESS IS MORE

G. Coluccia, C. Marabotti, D. Menci, R. Testa
Cecina-LI, ITALY

BARRIERS AND FACILITATORS TO PUBLIC ACCESS DEFIBRILLATION IN THE SORRENTO PENINSULA: UPGRADING OF ORGANIZATION

M. Santomauro (1), V. Iaccarino (2), S. Criscuolo (3), C. Riganti (1), R. Giordano (1), E. Pilato (1), G. Iannelli (1), D. Bonaduce (1)
(1) Naples (2) Sorrento-NA (3) Castellammare di Stabia-NA, ITALY

SCIENTIFIC PROGRAMME

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6
9:00–9:45 > LEPTIS MAGNA 2

DEBATE

PATIENTS WITH DCM AND EF LOWER 35% SHOULD RECEIVE

Chairs: **N. Aspromonte** (Rome, I)
R. Vijayvergiya (Chandigarh, IND)

CRT-P
M. Luzi (Macerata, I)

CRT-D
F. Briand (Besançon, F)

General discussion

SCIENTIFIC PROGRAMME

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6
9:45–10:30 > LEPTIS MAGNA 2

3D DEBATE

PREVENTING HF RELATED TO RV PACING

Chairs: **F. Briand** (Besançon, F)
R. Calvanese (Naples, I)

His bundle pacing
F. Zanon (Rovigo, I)

CRT-P
G. Zingarini (Perugia, I)

Minimizing RV pacing through automatic algorithms
G. Magliano (Rome, I)

SCIENTIFIC PROGRAMME

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6
9:00–9:45 > LEPTIS MAGNA 4

THE BIG BROTHER CORNER ALL ABANDONED LEADS SHOULD BE REMOVED VIDEO SESSION

Chairs: **L. Bontempi** (Brescia, I)
T. Ishikawa (Yokohama, JP)

Agonist
E. Soldati (Pisa, I)

Antagonist
V.P. Vassilikos (Thessaloniki, GR)

Good and bad comments

Chairmen judgment: Who is the winner?

SCIENTIFIC PROGRAMME

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6
9:45–10:30 > LEPTIS MAGNA 4

DEBATE

LEADS' EXTRACTION, MY FAVORITE TECHNIQUE

Chairs: **J. Catanzaro** (Jacksonville-FL, USA)
M. Russo (Rome, I)

Mechanical
L. Segreti (Pisa, I)

Laser Sheath
A. Curnis (Brescia, I)

General discussion

SCIENTIFIC PROGRAMME

Thursday, December 6

9:00–10:30 > TARRAGONA

**A NEW ROLE OF PACING FOR PREVENTING AF
SESSION I**

Chairs: **M. Gulizia** (Catania, I)
J. Michaelsen (Lingen, D)

Pacing Sites

S. Paraskevaïdis (Thessaloniki, GR)

Optimal programming of basal parameters

A. Campana (Salerno, I)

Algorithms to prevent AF

C. Schukro (Vienna, A)

Atrial ATP: current role

M.V. Bonfantino (Bari, I)

Advantages and disadvantages from reducing ventricular pacing

F. Vetta (Rome, I)

Impact of device's diagnostics to improve management of AF

G. Arena (Massa, I)

Thursday, December 6

8:30–10:20 > SPALATO

COURSE

THE THEATRE OF COMPLEX ARRHYTHMIAS

Chairs: **G. Conte** (Lugano, CH)
G. Massoullie (Clermont Ferrand, F)

Mechanisms and complexity of Atrial Tachycardias

- 8:30 Mechanism of multiple-loop AT with high density mapping
M. Takigawa (Tokyo, JP)
- 8:45 Biatrial tachycardia diagnosed by ultra-high density mapping
M. Takigawa (Tokyo, JP)
- 9:00 Ultra HD and electrophysiological characterization of localized re-entry circuits
A. Frontera (Milan, I)

AF: Mechanisms and mapping modalities

- 9:15 Mechanisms sustaining human AF
G. Cheniti (Sousse, TN)
- 9:30 Insights from driver domains in Atrial Fibrillation
G. Massoullie (Clermont, F)
- 9:45 Non invasive mapping of AF, pro & cons
J. Duchateau (Bordeaux, F)

10:00-10:20 Break

Thursday, December 6

9:00–10:30 > POLA

MINICOURSE

SVT: SOMETIMES... STILL A CHALLENGE!

Chairs: **S. Bianchi** (Rome, I)
M. La Meir (Maastricht, NL)

Tips and tricks in differential diagnosis of supraventricular tachycardia

D. Malaspina (Milan, I)

Atypical AVNRT can be hard to diagnosed

G. Bencsik (Szeged, H)

PJRT: what to do and what to know

M. Tritto (Castellanza-VA, I)

Mahaim fibers: from ECG to ablation

Q. Parisi (Campobasso, I)

Atrial tachycardia: anatomy and target of the most common forms

B. Zrenner (Landshut, D)

Paraseptal accessory pathways: how to do in a safe way

P. Peichl (Prague, CZ)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6

9:00–10:30 > CESAREA

MINICOURSE OUTFLOW TRACT VT/VPC

Chairs: **O. Berenfeld** (Ann Arbor-MI, USA)
A. Castro (Rome, I)

From ECG to localization

F. Ferraris (Turin, I)

Clinical definition and prognostic stratification

C. Adduci (Milan, I)

Pharmacological treatment

P.M.G. Agricola (Piacenza, I)

Indications to ablation

K. Satomi (Tokyo, JP)

Available Tools and techniques

F. Turreni (Rome, I)

Definition and long term rate of a successful procedure

G. Gwechenberger (Wien, A)

SCIENTIFIC PROGRAMME

Thursday, December 6

9:00–10:30 > ORANGE 2

EPICARDIAL APPROACH TO TREAT CARDIAC ARRHYTHMIAS

Chairs: **N. Cabanelas** (Lisbon, P)
G. Senatore (Ciriè-TO, I)

How to safely approach the epicardial space and reach various anatomical sites

C. Carbucicchio (Milan, I)

Epicardial catheter ablation of ventricular tachycardias

P. Vergara (Milan, I)

Epicardial Pulmonary veins isolation to treat AF

A.C.L. Graffigna (Trento, I)

Epicardial LAA closure

TBA

Epicardial approach complication management

C. Lavallo (Rome, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6

10:30–11:00 > EXHIBITION AREA

SPEAKER CORNER

LAA closure in the presence of persistent thrombus:
how to minimize the embolic risk

A. Gaspardone (Rome, I)

SCIENTIFIC PROGRAMME

Thursday, December 6
11:00–12:30 > LEPTIS MAGNA 2

DEVICES RECALL

Chairs: **M. Santini** (Rome, I)
S. Zhang (Beijing, China)

Implantable devices and leads recall in the last 10 years
V. Nissardi (Cagliari, I)

Discrepancies between the provisional data from the
Companies and real life data during the follow-up
D.G. Benditt (Minneapolis-MN, USA)

How, when and by whom should the patients be informed:
by the Company, by the Media, by the Doctor?
T.C.A. Lobban (Stratford Upon Avon, UK)

Who should establish the most appropriate protocol to
react after a recall: the Company, the Scientific Societies,
the individual doctor?
R.P. Ricci (Rome, I)

When more is worse than less in reacting to a recall advice
and vice versa
O. Oseroff (Buenos Aires, RA)

Who should pay for the expenses? The Company, the
Hospital, the Insurance, the Patient?
C. Riganti (Naples, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6

11:00–11:45 > LEPTIS MAGNA 4

THE BIG BROTHER CORNER

CRYOBALLOON VS CONSTANT FORCES SENSING CATHETER ABLATION FOR PERSISTENT AF

VIDEO SESSION

Chairs: **M. Galeazzi** (Rome, I)
K. Okishige (Yokohama, JP)

Cryo
P.G. Guerra (Montreal-QC, CDN)

Contact Forces sensing RF Ablation
D. Dugo (Catania, I)

Good and bad comments

Chairmen judgment: Who is the winner?

SCIENTIFIC PROGRAMME

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6
11:45–12:30 > LEPTIS MAGNA 4

3D DEBATE

THREE BALLOONS FOR ONE GOAL

Chairs: **M. Gallagher** (London, UK)
R. Mantovan (Conegliano Veneto-TV, I)

Cryoballoon ablation
R. De Ponti (Varese, I)

Hot Balloon ablation
C. Tondo (Milan, I)

Laser Balloon ablation
B. Schmidt (Frankfurt, D)

SCIENTIFIC PROGRAMME

Thursday, December 6

11:00–12:30 > TARRAGONA

**A NEW ROLE OF PACING FOR PREVENTING AF
SESSION II**

Chairs: **H.J. Trappe** (Herne, D)
G. Zanotto (Legnago-VR, I)

AF prevention by automatic CIED algorithms
G. Sabino (Sassari, I)

Use of CLS for reducing AF burden
E.C.L. Pisanò (Lecce, I)

Efficacy of new-generation ATP in patients with CRT
M. Taborsky (Olomouc, CZ)

Does an effective CRT reduce AF burden?
T. Mela (Boston-MA, USA)

Does His Bundle pacing reduce AF burden?
L. Marcantoni (Rovigo, I)

Detection of AF in patients with single chamber ICD: what's
the impact on clinical practice?
P. Donateo (Lavagna-GE, I)

Thursday, December 6

10:20–12:00 > SPALATO

COURSE

THE THEATRE OF COMPLEX ARRHYTHMIAS

- 10:20 THE PERSPECTIVE OF A PATHOLOGIST:
Structural remodeling in atrial fibrillation: facts
and fancy
D. Corradi (Parma, I)

New insights into AF Ablation techniques

- Chairs: **G.B. Forleo** (Milan, I)
M. Takigawa (Tokyo, JP)
- 10:40 BIFA ablation - Targeting Low voltage areas
K. Vlachos (Athens, GR)
- 11:00 Could we really use 70 watts for AF?
F. Bourier (Munich, D)
- 11:15 New insights on contact force technologies and
lesion metrics
F. Bourier (Munich, D)
- IMAGING in complex arrhythmias
- 11:30 Cardiac MRI in the context of cardiac arrhythmias
C. Bucciarelli Ducci (Bristol, UK)
- 11:45 Imaging the structural substrate in fibrillation
rhythms: AF vs VF
G. Pontone (Milan, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6

11:00–12:30 > POLA

SPORT AND ARRHYTHMIA

Chairs: **A. Biffi** (Rome, I)
C. Wolpert (Ludwigsburg, D)

Non invasive risk assessment of SCD in competitive athletes
F. Carré (Rennes, F)

Substrate abnormalities of RV in athletes
TBA

Sport allowance and current guidelines: when they match
F.M. Moscoso Costa (Carnaxide, P)

Sport allowance and current guidelines: when they mismatch
M. Bocchiardo (Pietra Ligure-SV, I)

Management of repolarization abnormalities in athletes
M. Rillo (Taranto, I)

ICD in sports and exercise
K. Nentwich (Bad Neustadt, D)

SCIENTIFIC PROGRAMME

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6

11:00–12:30 > CESAREA

LV PACING

Chairs: **L. Mancini** (Bari, I)
S. Saksena (New Brunswick-NJ, USA)

Pacing LV: which approach? Pros & Cons

G. Belotti (Bergamo, I)

Is LV only Pacing as effective as BIV pacing?

P.T. Matusik (Krakow, PL)

Can we use a leadless pacemaker for LV stimulation?

J. Morgan (Southampton, UK)

Extraction of pacing leads from the LV is easier or more dangerous than from the coronary or the right ventricle?

C. Butter (Bernau, D)

Concomitant implant of epicardial left ventricular lead for CRT during heart surgery

J. Zeitani (Naples, I)

SCIENTIFIC PROGRAMME

Thursday, December 6

11:00–12:30 > ORANGE 2

CATCH ME IF YOU CAN: SEARCHING FOR AF

Chairs: **A. Feldman** (Afula, IL)
L. Gianfranchi (Cento-FE, I)

AF is a direct cause, a risk marker or a risk factor for Stroke?
G. Ammirati (Naples, I)

New available non invasive tools and App
TBA

Cost-benefit of ILR in patients with previous TE events
L. Fusè (Legnano-MI, I)

Cost benefit of ILR in high risk patients without previous TE events
TBA

Cost benefit of non invasive regular ECG screening:
the AliveCor Heart Monitor
F. Ammirati (Rome, I)

I got it! How to manage now?
L. Segreti (Pisa, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6
12:30–13:15 > LEPTIS MAGNA 2

THE BIG BROTHER CORNER DOACs REVERSAL AGENTS: ARE THEY MANDATORY FOR THE CHOICE OF THE DRUG?

VIDEO SESSION

Chairs: **F. Crea** (Rome, I)
E.G. Vester (Dusseldorf, D)

Agonist
M.P. Ruggieri (Rome, I)

Antagonist
F. Andreotti (Rome, I)

Good and bad comments

Chairmen judgment: Who is the winner?

SCIENTIFIC PROGRAMME

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6
13:15–14:00 > LEPTIS MAGNA 2

THE BIG BROTHER CORNER

MPP: DOES A “TURBO CRT” WORTH A REDUCED BATTERY LONGEVITY?

VIDEO SESSION

Chairs: **C. D'Agostino** (Bari, I)
J.C. Daubert (Rennes, F)

Agonist
G. Senatore (Cirié-TO, I)

Antagonist
J.G. Martinez (Alicante, E)

Good and bad comments

Chairmen judgment: Who is the winner?

SCIENTIFIC PROGRAMME

Thursday, December 6
12:30–14:00 > LEPTIS MAGNA 4

PROVOCATIVE QUESTIONS ON AF ABLATION

Chairs: **K. Hirao** (Tokyo, J)
C. Pandozi (Rome, I)

Still place for rotor ablation?
L. Perrotta (Frankfurt, D)

Autonomic ganglia ablation: which results?
M. La Meir (Maastricht, NL)

Contact force tool: changed outcomes?
L. De Mattia (Treviso, I)

Multipolar High density mapping: For all PVI or just in re-do?
S. Themistoclakis (Mestre-VE, I)

Cryoablation: is it the best option for a first attempt?
G. Bencardino (Rome, I)

RF ablation balloon: what can we expect?
D.L. Packer (Rochester-MN, USA)

Thursday, December 6

12:30–14:00 > TARRAGONA

THE ROLE OF MULTICENTER TRIALS AND POOLED CLINICAL DATABASE THROUGH HOME MONITORING FOR THE ADVANCE OF CLINICAL RESEARCH

Chairs: **G.L. Botto** (Como, I)
V.I. Calvi (Catania, I)

Is RCT the only model to enhance clinical evidence? Looking for future possible paradigms in clinical research

A.P. Maggioni (Florence, I)

May Remote Monitoring be considered as an efficient tool for big data generation? The Home Monitoring Expert Alliance from Italian scientific community

G. Zanotto (Legnago-VR, I)

Remote Monitoring of Atrial Fibrillation. Does CHA2DS2-VASc Score reliably predict atrial arrhythmias?

E.C.L. Pisanò (Lecce, I)

Best timing of VT ablation: are preliminary data from the ongoing PARTITA trial already a value?

P. Della Bella (Milan, I)

Are DANISH study results confirmed in clinical practice or 'real life' results are different?

G.B. Forleo (Milan, I)

Mortality predictors in Home Monitoring longitudinal trends: are robust clinical findings able to generate risk score?

A. D'Onofrio (Naples, I)

Thursday, December 6

12:00–13:00 > SPALATO

COURSE

THE THEATRE OF COMPLEX ARRHYTHMIAS

Ventricular arrhythmias

Chairs: **A. Castro** (Rome, I)
M. Takagi (Osaka, JP)

12:00 Extrastimuli to unmask the VT circuit. The DEEP (decrement evoked potential) research project
A. Porta-Sanchez (Madrid, E)

12.15 VF: with and without early repolarization
G. Conte (Lugano, CH)

12.30 Insights from sudden death during 5 years in Italy
A. Frontera (Milan, I)

12.45 Spontaneous termination of human VF
G. Cheniti (Sousse, TN)

13.00 – 14.00

ECG Challenge: let's play with pacing tracks

Chair: **J. Clementy** (Bordeaux, F)

Pacing and EP ECG / EGM challenge
R. Chauvel (Bordeaux, F)

Thursday, December 6

12:30–14:00 > POLA

SPORT RESTRICTIONS IN SPECIFIC SETTINGS

Chairs: **F. Furlanello** (Trento, I)
H. Tada (Fukui, JP)

Sports allowance/restriction in long QT syndrome patients
V. Altamura (Rome, I)

Sports allowance/restriction in CPVT patients
P. Zartner (Sankt Augustin, D)

Sports allowance/restriction in WPW patients
V.E. Santobuono (Bari, I)

Sports allowance/restriction in Brugada syndrome patients
S. Castelletti (London, UK)

Sports allowance/restriction in patients wearing PM/ICD
B. Di Giacinto (Rome, I)

Sports allowance/restriction in patients with AF
TBA

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6

12:30–14:00 > CESAREA

CATHETER ABLATION TO PREVENT SCD IN NON-ISCHEMIC PATIENTS

Chairs: **G. Barbato** (Bologna, I)
G. Gwechenberger (Vienna, A)

Brugada syndrome
K. Aonuma (Tsukuba, JP)

CPVT
L.A. Chinitz (New York-NJ, USA)

VT ablation in familial dilated cardiomyopathies
TBA

VT ablation in inflammatory cardiomyopathies
F. Perna (Rome, I)

Ablation of PVC in cardiomyopathies
A. Cuko (S. Donato Milanese-MI, I)

SCIENTIFIC PROGRAMME

Thursday, December 6

12:30–14:00 > ORANGE 2

AF REVOLUTIONS IN CARDIAC RHYTHM DISORDER MANAGEMENT

Supported by Medtronic

Chairs: **C. Tondo** (Milan, I)
S. Iacopino (Lamezia Terme-CZ,I)

Clinical indication in AF ablation treatment: what we well know and what we should know

F. Ferraris (Turin, I)

Over 10 years of cryoablation: the gold standard for PVI

G. Rovaris (Monza, I)

Cryoablation in persistent AF: should the guidelines be updated?

T. Infusino (Catanzaro, I)

Non invasive cardiac mapping to optimize diagnosis and interventional approach

S.C. Yap (Rotterdam, NL)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6

12:30–14:00 > ROOM

FREE PAPERS LEAD EXTRACTION

Chairs: **B. Malecka** (Krakov, P)
C. Pignalberi (Rome, I)

TRANSVENOUS LEAD EXTRACTION WITHOUT PROCEDURE-RELATED DEATH. IS IT ACHIEVABLE?

A.K Kutarski (1), L.T Tulecki (2), K.T Tomkow (2), A.K Kleinrok (2), D.N Nowosielecka (2), M.S. Stefanczyk-Dzida (2), P.S Stefanczyk (2), W.B Borzecki (2)
(1) Lublin, (2) Zamosc, POLAND

MULTICENTRE EXPERIENCE WITH THE BIDIRECTIONAL ROTATIONAL EVOLUTION RL MECHANICAL SHEATH FOR LEAD EXTRACTION USING A STEPWISE APPROACH: SAFETY, EFFICACY AND OUTCOME

F. Migliore (1), M. Testolina (1), A. Sagone (2), D. Carretta (3), T. Agricola (4), G. Rovaris (5), E. Piazza (5), D. Facchin (6), M. De Lazzari (1), A. Zorzi (1), F. Melillo (2), C. Cataldi (1), A. Marzi (2), T. Bottio (1), V. Tarzia (1), G. Gerosa (1), S. Iliceto (1), E. Bertaglia (1), P. Mazzone (2)
(1) Padua, (2) Milan, (3) Bari, (4) Pescara, (5) Monza, (6) Udine, ITALY

PREVALENCE AND PROGNOSIS OF LEAD MASSES IN PATIENTS WITH CARDIAC IMPLANTABLE ELECTRONIC DEVICE WITHOUT CLINICAL EVIDENCE OF INFECTION

P.G. Golzio, D. Errigo, M. Peyracchia, S. Frea, D. Castagno, C. Budano, E. Gallo
Turin, ITALY

EFFECTIVENESS OF ANTIBACTERIAL ENVELOPE TO REDUCE INFECTION RATES AFTER IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR AND CARDIAC RESYNCHRONIZATION THERAPY DEVICE REPLACEMENT

E. Montemerlo, M. Pozzi, S. De Ceglia, E. Piazza, L. Carozza, G. Rovaris
Monza, ITALY

TRICUSPID VALVE DYSFUNCTION CAUSED BY TRANSVENOUS LEAD EXTRACTION. CAN WE PREDICT THIS COMPLICATION?

A.K. Kutarski (1), D.N. Nowosielecka (2), L.T. Tulecki (2), K.T. Tomkow (2), A.K. Kleinrok (2), A.P. Polewczyk (3)
(1) Lublin, (2) Zamosc, (3) Kielce, POLAND

IMPLEMENTATION OF PET IMAGING FOR DIAGNOSIS OF CARDIAC IMPLANTABLE DEVICES INFECTIVE ENDOCARDITIS IN CANDIDATES TO LEAD EXTRACTION: CONTRIBUTION IN PREDICTION OF SURVIVAL

S. Lorenzetti (1), R. Bonfiglioli (1), C. Martignani (1), M. Graziosi (1), M. Biffi (1), M. Ziacchi (1), C. Nanni (1), G. Massaro (1), J. Frisoni (1), S. Fanti (1), G. Boriani (2), I. Diemberger (1)
(1) Bologna, (2) Modena, ITALY

SCIENTIFIC PROGRAMME

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6

14:00–14:30 > EXHIBITION AREA

SPEAKER CORNER

Sleep Apnea and cardiovascular diseases

G. Mascioli (Bergamo, I)

SCIENTIFIC PROGRAMME

Thursday, December 6
14:30–16:00 > LEPTIS MAGNA 2

**TECHNOLOGY AT COMPARISON
USEFULL AND USELESS CRT ALGORITHMS**

Chairs: **A. Curnis** (Brescia, I)
G. Lascault (Saint Denis, F)

MEDTRONIC CRT DEVICES
G. Rovaris (Monza, I)

BIOTRONIK CRT DEVICES
A. Sagone (Sesto S. Giovanni-MI, I)

ABBOTT CRT DEVICES
B. Thibault (Montreal, CA)

BOSTON CRT DEVICES
G. Zanolto (Legnago-VR, I)

MICROPORT CRT DEVICES
S.J. Cazeau (Paris, F)

Discussants: **T. Mela** (Boston-MA, USA)
TBA

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6
14:30–16:00 > LEPTIS MAGNA 4

DEBATE

HF: CHICKEN OR EGG

Chairs: **J. Clementy** (Bordeaux, F)
E.G. Gronda (Milan, I)

PVCs inducing HF
J. Morgan (Southampton, UK)

HF inducing PVCs
S. Favale (Bari, I)

MR inducing HF
A. Mortara (Monza, I)

HF inducing MR
J.C Daubert (Rennes, F)

AF inducing HF
M. Porcu (Cagliari, I)

HF inducing AF
J.L. Pasquié (Montpellier, F)

General discussion

SCIENTIFIC PROGRAMME

Thursday, December 6
14:30–16:00 > TARRAGONA

“THE SONG OF ICE AND FIRE”: ONE SHOT IN AF ABLATION

Chairs: **G. Augello** (Milan, I)
Y. De Greef (Antwerp, B)

“The King of the Night” - Cryoballoon: rules for a safe and effective procedure

J. Andrade (Vancouver, CDN)

“The Mother of the Dragons” - RF: The new available RF Balloon

C. Tondo (Milan, I)

“The King of the North” - Cryoballoon: long terms outcomes in different clinical settings

U. Canpolat (Ankara, TK)

“The Many-faced God” - RF: circular AF ablation catheters, state of the art

TBA

“The Lord of Dreadfort” - Cryoballoon: worst nightmares

D. Brala (Berlin, D)

“The Queen of seven Kingdoms” - RF: worst nightmares

C. Pratola (Ferrara, I)

Thursday, December 6

14:30–16:00 > SPALATO

Joint Session with CSPE

**ADVANCED TECHNOLOGY IN THE FIGHT AGAINST SUDDEN
CARDIAC DEATH**

Chairs: **D. Huang** (Chengdu, CN)
M. Santini (Rome, I)

Management and prognostic significance of Left Bundle Branch
Block in heart failure patients

Y. Dai (Beijing, CN)

Advances in technology for Cardiac Resynchronization Therapy

L. Santini (Rome, I)

Impact of improvement in Sudden Cardiac Arrest Treatment in Asia

K. Cao (Nanjing, CN)

Prevention and treatment of Cardiac Arrest in Ischemic
Patients in China

M. Xiang (Hangzhou, CN)

Data and management of Cardiac Arrest in the real world in China

H. Niu (Beijing, CN)

Implementation of Cardiac Resuscitation Maneuvers and
Semi-Automatic External Defibrillator in the real world:
cost-benefits ratio

M. Santomauro (Naples, I)

Thursday, December 6

14:30–16:00 > POLA

HEART FAILURE: HOW TO PREVENT ACUTE DECOMPENSATION EVENTS

Chairs: **J.J. Garcia Guerrero** (Badajoz, E)
S.M. Toscano (Colleferro-RM, I)

A multiparametric approach: from MULTISENSE results to the clinical practice

A. Capucci (Ancona, I)

Heart Logic index: preliminary results

K. Mahfouz (Rome, I)

A multiparametric approach: the SELENE HF trial

A. D'Onofrio (Naples, I)

CardioMems: current indications and results

L. Klein (San Francisco-CA, USA)

The link between sleep apnea and HF

C. Schoebel (Berlin, D)

The link between Atrial Fibrillation and Cardiac Death:
Data from a Large Cohort Japanese Registry

N. Murakoshi (Tsukuba, JP)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6

14:30–16:00 > CESAREA

A MATTER OF HEART AND BRAIN

Chairs: **F. Ammirati** (Rome, I)
TBA

Autonomic Nervous System: instructions for EP users
TBA

Circadian Rhythms and arrhythmic burden
G. Di Stolfo (Foggia, I)

Baroreflex Activation therapy: state of the art
G. De Ferrari (Pavia, I)

The link between epilepsy and cardiac electrical
conduction diseases
T. Nakai (Tokyo, JP)

The link between AF and dementia
M. Wright (London, UK)

SCIENTIFIC PROGRAMME

Thursday, December 6

14:30–16:00 > ORANGE 2

ACHILLE'S HEEL OF DOACs

Chairs: **N. Edvardsson** (Gothenburg, S)
R. Rossini (Cuneo, I)

Risk factors and prevention of DOACs GI related bleeding
S. Laranjo (Lisbon, P)

Comparison of one-daily and twice daily dosing regimen:
doctors' perspective and patients' perspective
S. Gallo (Rome, I)

Low dosage: a bad habit
P. Verdecchia (Perugia, I)

DOACs in the elderly: is there a cut off?
TBA

DOACs and multiple therapies: a real picture of drug interactions
F. Melandri (Sassuolo-MO, I)

DOACs and need of antiplatelet therapy: different settings
and strategies
G. Musumeci (Cuneo, I)

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6
16:00–17:30 > LEPTIS MAGNA 2

TECHNOLOGY AT COMPARISON ICD BATTERIES AND LEADS LONGEVITY AT COMPARISON

Chairs: **A. Capucci** (Ancona, I)
TBA

MEDTRONIC ICDs
M. Landolina (Crema-CR, I)

BIOTRONIK ICDs
F. Nappi (Avellino, I)

ABBOTT ICDs
C. Lavallo (Rome, I)

BOSTON ICDs
TBA

MICROPORT ICDs
D. Klug (Lille, F)

Discussants: **E. Occhetta** (Novara, I)
L.P. Papavasileiou (Athens, GR)

SCIENTIFIC PROGRAMME

Thursday, December 6
16:00–16:45 > LEPTIS MAGNA 4

THE BIG BROTHER CORNER

THE LEFT ATRIAL APPENDAGE SHOULD BE ELECTRICALLY ISOLATED DURING ABLATION FOR LONG STANDING PERSISTENT AF

VIDEO SESSION

Chairs: **A. Ardashev** (Moscow, RU)
G. De Martino (Bari, I)

Agonist
S. Themistoclakis (Mestre-VE, I)

Antagonist
T. De Potter (Aalst, B)

Good and bad comments

Chairmen judgment: Who is the winner?

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6
16:45–17:30 > LEPTIS MAGNA 4

THE BIG BROTHER CORNER LAA OCCLUSION: WHICH IS THE BEST TECHNIQUE? VIDEO SESSION

Chairs: **R. De Paulis** (Rome, I)
F. Tomai (Rome, I)

Endocardially
A. Gaspardone (Rome, I)

Epicardially
A.C.L. Graffigna (Trento, I)

Good and bad comments

Chairmen judgment: Who is the winner?

SCIENTIFIC PROGRAMME

Thursday, December 6

16:00–17:30 > SPALATO

HOW TO GET A SUPER RESPONSE TO CRT

Chairs: **F. Briand** (Besançon, F)
S. Favale (Bari, I)

Defining criteria of a super response to CRT

F. Licciardello (Augusta-SR, I)

Is possible to identify which patients will be super responders?

M. Volpicelli (Naples, I)

The importance of selecting the best site of LV pacing

J.N.C. Marques (Lisbon, P)

How much the new available automatic algorithm for delay optimization add?

D. Spaziani (Magenta-MI, I)

How much multipoint pacing add?

C. Esposito (Salerno, I)

Which is the proper strategy at time of replacement in

super-responders: is rational to downgrade from CRT-D to CRT-P?

J.C. Daubert (Rennes, F)

Thursday, December 6

16:00–17:30 > POLA

SLEEP APNEA AND CARDIAC ARRHYTHMIAS

Chairs: **A. Aonuma** (Tsukuba, JP)
M. Santomauro (Naples, I)

Sleep apnea: Etiology, diagnosis and treatment
S.A. Di Fusco (Rome, I)

Sleep apnea Management in AF patients
M. Chauvin (Strasbourg, F)

Non invasive Diagnostic tools
A. Rapacciuolo (Naples, I)

Sleep apnea burden in PM and CRT patients
W.G. Rahue (Bolzano, I)

Differences in currently available algorithms
A. Mazza (Orvieto-TR, I)

Prevalence and prognostic value of sleep apnea in patients
having AF ablation
M. Giaccardi (Florence, I)

Thursday, December 6

16:00–17:30 > CESAREA

ABLATION AND DEVICES IN PEDIATRIC POPULATION

Chairs: **F. Drago** (Rome, I)
P. Santangeli (Philadelphia-PA, USA)

Cryo-ablation in pediatric patients
H. De Wilde (Gent, B)

RF ablation in pediatric patients
G. Porcedda (Florence, I)

Timing for Accessory pathway ablation in pediatric patients
M.S. Silveti (Rome, I)

ICD and CRT in children: current trends and complications
K. Dagriri (Riyadh, SA)

Long term follow-up of epicardial systems in PM dependent
pediatric population
L. Leoni (Padua, I)

AVNRT: new insight for the tachycardia circuit by high
density mapping
C. Pandozi (Rome, I)

Thursday, December 6

16:00–17:30 > ORANGE 2

ASSESSING AF RECURRENCES PREDICTORS AFTER AF ABLATION

Chairs: **A. Pappalardo** (Rome, I)
A. Peralta (Boston-MA, USA)

Electrical markers: from ECG and LA voltage analysis
V. Dusi (Pavia, I)

May timing of early recurrences after AF ablation be a predictor of long term ablation success?
D. Caponi (Asti, I)

Predicting value of LA and LAA function for AF recurrences after ablation
C. Cianfrocca (Rome, I)

Atrial conduction time as a predictive factor for AF recurrences after AF ablation
TBA

Biomarkers for AF recurrences after ablation: Circulating MicroRNAs, cytokine and B-type natriuretic peptide. Are they reliable?
A. Pani (Lecco, I)

The role of gender and body size in predicting AF recurrences after ablation
A. Pump (Budapest, HU)

December
4-6, 2018

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy



Chairman Massimo Santini & Co-Chairman Luca Santini

POSTER SESSION

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Tuesday, December 4
12:30–14:00 > POSTER AREA

CATHETER ABLATION AND ICD

Chairs: **B. Nguyen** (Rome, I)
A. Schirdewan (Berlin, D)

- 1 PULMONARY VEIN ISOLATION, CAVOTRICUSPID ISTHMUS ABLATION AND SUPERIOR VENA CAVA ISOLATION IN A PATIENT WITH DEXTROCARDIA AND SITUS INVERSUS TOTALIS**
Y. Sato, K. Satomi, K. Katano, N. Fuse, A. Maybe, K. Osada, R. Ishihara, M. Maeda, A. Tosaka, Y. Yazaki, T. Mizumura, T. Tamara, Y. Sugimura
Tokyo, JAPAN
- 2 DEGENERATION OF ELECTRICAL BREAKTHROUGH BETWEEN PULMONARY VEIN AND LEFT ATRIUM IN ELDERLY PATIENTS WITH ATRIAL FIBRILLATION**
R. Isogai, S. Matsuo, E. Okajima, H. Sato, K. Yokoyama, M. Kato, S. Tanigawa, S. Yamashita, M. Tokuda, K. Sugimoto, S. Seki, T. Yamane
Tokyo, JAPAN
- 3 COMPARISON OF ATRIAL FIBRILLATION ABLATION EFFICACY USING REMOTE MAGNETIC NAVIGATION VS. MANUAL NAVIGATION WITH CONTACT-FORCE CONTROL**
Z. Starek (1), J. Jez (1), T. Jadczyk (2), F. Lehar (1), M. Pesl (1), S. Belaskova (1), T. Kulik (1)
(1) Brno (CZECH REPUBLIC), (2) Katowice (POLAND)
- 4 THE ROLE OF ULTRA-HIGH DENSITY MAPPING SYSTEM TO UNVEIL "HIDDEN" SIGNALS: A CASE REPORT**
A. Piro (1), M.V. Mariani (1), G. Giunta (1), A. Ciccaglioni (1), M. Straito (1), A. Ceccacci (1), G. Schiaffini (1), M.C. Gatto (1), M. Bura (2), C. Auricchio (2), M. Malacrida (2), C. Lavallo (1), F. Fedele (1)
(1) Roma, ITALY, (2) Milano, ITALY
- 5 MODERN OPPORTUNITIES IN ISCHEMIC VENTRICULAR TACHYCARDIA TREATMENT**
I. Skigin, I. Pyaterichenko, K. Shorokhov, E. Voitkovskaya, N. Lepakhina, D. Nugaeva
St. Petersburg, RUSSIA
- 6 CARDIAC SYMPATHETIC DENERVATION OF VENTRICULAR TACHYCARDIA AFTER CATHETER ABLATION OF ATRIAL FIBRILLATION AND OUTFLOW TRACT PREMATURE VENTRICULAR CONTRACTIONS**
A. Yagishita, M. Goya, Y. Takahashi, H. Ishibashi, K. Akiyoshi, M. Sekigawa, S. Maeda, M. Kawabata, K. Okubo, K. Hirao
Tokyo, JAPAN

FOLLOW →

POSTER SESSION

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

7 PROGRAMMABLE HYPERTENSION CONTROL (PHC)

J. Simon, L. Dujka, J. Petru, M. Chovanec, P. Neuzil
Prague, CZECH REPUBLIC

8 PREDICTION OF APPROPRIATE ICD THERAPIES BY TWO-DIMENSIONAL SPECKLE-TRACKING ECHOCARDIOGRAPHY

B.L. Nguyen, R. Scacciavillani, S. Iuliano, A. Persi, I. Maraschi, A. Angione, V. Chianta, R. Iorio, R. Quaglione, I. Cardillo, F. Biccire', N. Alessandri, G. Piccirillo, L. Agati, C. Gaudio
Rome, ITALY

9 LONG-TERM PROGNOSIS OF PATIENTS WITH IMPLANTABLE CARDIOVERTER DEFIBRILLATOR

K. Polymeropoulos, A. Stavрати, C. Papandreou, S. Paraskevaıdis, J. Zarifis
Thessaloniki, GREECE

10 THE IMPACT OF ANGIOTENSIN-NEPRILYSIN INHIBITION COMPARED TO ANGIOTENSIN INHIBITION ON IMPLANTABLE DEFIBRILLATOR INTERVENTIONS IN PATIENTS WITH HEART FAILURE AND REDUCED E

K. Polymeropoulos, A. Stavрати, C. Papandreou, S. Paraskevaıdis, J. Zarifis
Thessaloniki, GREECE

POSTER SESSION

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Wednesday, December 5

12:30–14:00 > POSTER AREA

CARDIAC PACING

Chairs: **P. Francia** (Rome, I)
G. Lascault (Saint Denis, F)

- 11 BIFOCAL VENTRICULAR PACING - PROMISING ALTERNATIVE IN PATIENTS WITH LEFT VENTRICULAR DYSFUCTION**
V. Tazky, D. Cambal
Trnava, SLOVAK REPUBLIC
- 12 BIVENTRICULAR PACING DYNAMICALLY ADJUSTED TO INDIVIDUAL INTRINSIC ATRIOVENTRICULAR INTERVAL IMPROVE THE LEFT VENTRICULAR FUNCTION FROM RESPONDER TO SUPER RESPONDER**
N. Nishiyama, Y. Isonaga, M. Morise, T. Yamada, C. Komiyama, A. Harima, M. Kuwabara, Y. Tomita, T. Kodama, Y. Fujimoto, H. Mitani
Tokyo, JAPAN
- 13 THE PACING OF HIS BUNDLE AND DEVELOPMENT OF THE HEART FAILURE IN PATIENTS WITH CONDUCTION DISEASE**
K. Curila, D. Herman, P. Stros, R. Prochazkova, J. Zdarska, P. Osmercik
Prague, CZECH REPUBLIC
- 14 PERMANENT HIS BUNDLE PACING IN ATRIAL FIBRILATION**
V. Tazky, D. Cambal
Trnava, SLOVAK REPUBLIC
- 15 EFFECT OF EARLY PENDULUM EXERCISE ON SHOULDER FUNCTION AFTER CARDIAC RHYTHM MANAGEMENT DEVICE IMPLANTATION**
W. Wongcharoen, A. Phrommintikul, S. Petvipusit, N. Prasertwitayakij
Chiang Mai, THAILAND
- 16 THE UNSTABLE PACING THRESHOLDS OF THE LEADLESS TRANSCATHETER PACEMAKER AFFECTED BY BODY POSITIONS IN SUBACUTE PHASE AFTER IMPLANT**
M. Yoh (1), M. Takagi (1), H. Takahashi (1), T. Yoshio (1), I. Shiojima (2)
(1) Moriguchi, (2) Hirakata, JAPAN
- 17 POST VENTRICULAR ATRIAL REFRACTORY PERIOD (PVARP) ON PREMATURE VENTRICULAR COMPLEX (PVC) ALWAYS EFFECTIVE IN THE PREVENTION OF PACEMAKER-MEDIATED-TACHICARDIA (PMT)?**
M. D'Ammando, D. Turturiello, F. Notaristefano, G. Zingarini, M.R. Reccia, R. Annunziata, L. Spighi, C. Cavallini, G. Ambrosio
Perugia, ITALY
- 18 UNCONVENTIONAL USE OF A SWAN-GANZ CATHETER IN CARDIAC PACING**
D. Ferraioli, C. Esposito, G. Vitulano, F. Franculli, F. Esposito, G. Melchiorre, M. Brigante, F. Sbarra, M. Manzo
Salerno, ITALY

POSTER SESSION

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

Thursday, December 6
12:30–14:00 > POSTER AREA

ARRHYTHMIAS

Chairs: **S. Kapa** (Rochester-MN, USA)
M. Tritto (Castellanza-VA, I)

- 19 EXTRACTION OF A LEFT VENTRICULAR ACTIVE FIXATION LEAD 3 YEARS AFTER IMPLANTATION**
T. Infusino, G. Carullo, U. Gualtieri
Catanzaro, ITALY
- 20 FLOATING CONNECTING TISSUE SCARS (“GHOSTS”) AFTER TRANSVENOUS LEAD EXTRACTION CIRCUMSTANCES OF THEIR APPEARANCES**
A.K. Kutarski (1), D.N. Nowosielecka (2), L.T. Tulecki (2), K.T. Tomkow (2), A.K. Kleinrok (2), A.P. Polewczyk (3), W.J. Jachec (4)
(1) Lublin, (2) Zamosc, (3) Kielce, (4) Zabrze, POLAND
- 21 RISK OF EXTRACTION OF LEAD HAVING VERY LONG DWELL TIME. EXPERIENCE 2652 TRANSVENOUS LEAD EXTRACTION PROCEDURES**
A.K. Kutarski (1), L.T. Tulecki (2), M.C. Czajkowski (1), K.T. Tomkow (2), D.N. Nowosielecka (2), W.J. Jachec (3), A.P. Polewczyk (4)
(1) Lublin, (2) Zamosc, (3) Zabrze, (4) Kielce, POLAND
- 22 ATRIAL HIGH RATE EPISODES DETECTED BY IMPLANTABLE DEVICES IN A GREEK PATIENT COHORT**
S. Dimou, D. Sofianos, M. Didagelos, G. Stavropoulos, D. Konstantinou, M. Vlahou, I. Georgiadou, S. Paraskevidis, H. Karvounis
Thessaloniki, GREECE
- 23 RESPIRATORY MONITORING ALGORITHMS IN NEW GENERATION PACEMAKERS IS IT HELPFUL?**
A. Nunes-Ferreira, I. Gonçalves, J.R. Agostinho, T. Guimarães, G. Lima de Silva, I. Aguiar-Ricardo, J. Rigueira, R. Santos, A. Bernardes, F.J. Pinto, J. Sousa, P. Marques
Lisboa, PORTUGAL
- 24 RESYS - COMPUTER ALERT SYSTEM FOR DEVICE IMPLANTATION**
A. Nunes-Ferreira, I. Aguiar-Ricardo, J.R. Agostinho, L. Calvo, I. Gonçalves, J. Rigueira, R. Santos, N. Cunha, T. Rodrigues, A. Bernardes, F.J. Pinto, J. Sousa, P. Marques
Lisboa, PORTUGAL
- 25 SHARED PATIENT MANAGEMENT BETWEEN TWO ITALIAN CENTERS FOR AF DIAGNOSIS AND TREATMENT AFTER CRYPTOGENIC STROKE**
C. Tomaselli (1), F. De Rosa (1), A. Talerico (1), G. Quirino (1), R. Bruno (1), N. Affuso (1), T. Infusino (2), U. Gualtieri (2), G. Carullo (2)
(1) Cosenza, (2) Catanzaro, ITALY

FOLLOW →

POSTER SESSION

18th INTERNATIONAL SYMPOSIUM ON PROGRESS IN CLINICAL PACING

Ergife Palace Hotel - Rome, Italy

Chairman Massimo Santini & Co-Chairman Luca Santini

- 26 REPOLARIZATION DISPERSION INDEXES PREDICT VENTRICULAR ARRHYTHMIAS IN PATIENTS WITH ISCHEMIC HEART DISEASE AND MODERATELY REDUCED LEFT VENTRICULAR EJECTION FRACTION**
B.L. Nguyen, R. Scacciavillani, S. Iuliano, A. Persi, I. Maraschi, A. Angione, I. Cardillo, V. Chianta, F. Biccire', R. Iorio, N. Alessandri, G. Piccirillo, C. Gaudio
Rome, ITALY
- 27 AORTIC VALVE CALCIFICATION AS A PREDICTOR OF POST-TAVR PACEMAKER DEPENDENCE**
E. Sharma, L. Rousseau, D. Ghosalkar, A. Chu
Providence, USA
- 28 LEFT VENTRICULAR NON-COMPACTION AND LONG QT SYNDROME IN A WOMAN WITH SCN5A AND KCNE2 MUTATIONS**
G. Caroli, M. Albanese, C. Volpe, M. Di Maggio, I. Finamora, V.E. Santobuono, R. Memeo, M. Anaclerio, C. Forleo, S. Favale
Bari, ITALY
- 29 HEART FAILURE WITH PRESERVED EJECTION FRACTION PACEMAKER-MEDIATED**
M. D'Ammando, D. Turturiello, F. Notaristefano, G. Zingarini, M.R. Reccia, R. Annunziata, L. Spighi, C. Cavallini, G. Ambrosio
Perugia, ITALY

POSTER SESSION