

**ALLEGATO A**

UNIVERSITÀ DEGLI STUDI DI MILANO

Procedura di selezione per la chiamata a professore di I fascia da ricoprire ai sensi dell'art. 18, comma 1, della Legge n. 240/2010 per il settore concorsuale 06/D1 - Malattie dell'Apparato Cardiovascolare e Malattie dell'Apparato

Respiratorio, (settore scientifico-disciplinare MED/11 - Malattie dell'Apparato Cardiovascolare)

presso il Dipartimento di SCIENZE CLINICHE E DI COMUNITÀ,

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**Massimo Piepoli**  
**CURRICULUM VITAE**

**INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)**

COGNOME	PIEPOLI
NOME	MASSIMO
DATA DI NASCITA	12 GIUGNO 1962, PIACENZA

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### Generalità

- Indirizzo lavorativo: Dirigente Medico di Cardiologia, Responsabile Unità Operativa Semplice Scompenso e Cardiomiopatie, UOC UO Cardiologia, Ospedale Policlinico "Guglielmo da Saliceto", Cantone Cristo, AUSL Piacenza, 29121, Piacenza, Tel 0523 303212 - FAX 0523 303220 Email: [m.piepoli@ausl.pc.it](mailto:m.piepoli@ausl.pc.it)
- Albo Provinciale dei Medici Chirurghi di PIACENZA (Ordine della Provincia di PIACENZA) n. 1667 11/03/1988
- Abilitazione nazionale MIUR Professore Prima Fascia, per il settore concorsuale 06/D1, Malattie Apparato Cardiovascolare, Bando D.D. 1532/2016, in data 1 Agosto 2017, alla tornata 2016-2018 - II quadrimestre, ai sensi dell'art. 16 della Legge 240/2010

### Scuole e Università

- 1975-80: Liceo-Ginnasio Statale "M.Gioia", Piacenza
- 1981-87: Collegio Borromeo, Università di Pavia, Pavia
- 1987-91: Scuola di Specialità in Cardiologia, Università di Pavia
- 1992-96: PhD Study, Postgraduate Scuola di Cardiologia, Università di Londra, UK
- 1999- 2002: Cardiologo Clinico e Consultant Onorario - Dipartimento di Cardiologia - Royal Brompton and Harefield NHS Hospital - Londra, UK - Responsabile del Gruppo di Fisiologia Clinica, Unità Scompenso
- Dal 2002 - 2017: Lettore Anziano Onorario (Senior Lecturer) - Dip. Cardiologia - Royal Brompton and Harefield NHS Hospital - Londra, UK
- 2010 - : Affiliazione alla Fondazione Toscana "G Monasterio" Pisa, come Consulente di Ricerca
- 2019 - : Affiliazione Istituto di Scienze della Vita della Scuola Superiore S Anna, Pisa

### Diplomi

- 1974: Licenza Media Inferiore, Scuola V Faustini, Piacenza
- 1981: Maturità Classica; (54/60) (Italiano, Greco, Filosofia, Matematica)
- 1987: "Laurea cum Laude", Facoltà di Medicina e Chirurgia, Università di Pavia
- 1989: Scuola di Sanità Militare, Firenze, Italy, Ten. Medico di Compl.
- 1991: Diploma ACLS, John Radcliffe Hospital, Oxford, UK
- 1991: Specialità in Cardiologia, Università di Pavia, (50/50)
- 1996: Doctor of Philosophy in the field di Medicine, (Dottorato in Cardiologia), Londra Università, UK
- 1996: UK Specialist Register (Speciality: Cardio-Vascular Disease), GMC Registration N. 3451764
- 1998: FESC, Fellow della Società Europea di Cardiologia
- 1999: Fellow di ANMCO (Associazione Italiana Medici Cardiologi Ospedalieri)
- 2004: FACC, Fellow dell' American College of Cardiology
- 2005: Master in Echocardiografia da stress, CNR, Pisa, Italy

### Premi e Borse di studio

- 1984: Borsa di Studio del Collegio Borromeo, Università di Pavia
- 1987: Lombardia Informatica - Milano: "Sviluppo di un sistema esperto informatico nella diagnostica cardiologica noninvasiva"
- 1988-91: Governo Italiano, - Ministero dell' Università e Ricerca Scientifica- Borsa per la Scuola di Specialità in Cardiologia.
- 1990: European Community Fellowship per il training in Medicina Generale
- 1991-93: Bristol Myers Squibb Fellowship per Ricercatore Italiano in Cardiologia
- 1994-95: Borsa di Studio di Ricerca della Società Europea di Cardiologia
- 1999-02: Borsa di Studi Superiori di Ricerca Medica della The Wellcome Trust: "Evaluation di the contribution di the neural afferents from the skeletal muscle in the exercise response in chronic heart failure"
- 2000-01: Commissione di Ricerca Clinica dell'Ospedale Royal Brompton Hospital di Londra: Premio per il progetto "Exercise training in heart failure - Meta-analysis di the studies evaluating effects on cardiovascular hospitalisation and mortality"
- 2001 Ministero della Salute, Premio FORUM PA, per il progetto "Programma Multidisciplinare per la cura domiciliare dello scompenso" AUSL Piacenza
- 2001: 2° Premio Giovane Ricercatore, British Cardiac Society "Muscle Afferent Activation in the respiratory control in chronic heart failure".
- 2003: Premio per il migliore poster, Società Europea di Cardiologia, per lo studio "ExTraMATCH: Exercise Training in Chronic Heart Failure"
- 2006 Premio Alesini, Cittadinanza Attiva, per il progetto "Programma Multidisciplinare per la cura domiciliare dello scompenso" AUSL Piacenza
- 2007 "Scholar" della Società Italiana di Cardiologia
- 2008 European Society of Cardiology Research Fellowship (per il Dr Alberto Giannoni)
- 2010 Heart Failure Association of the ESC Research Fellowship (per il Dr Marianna Fontana)
- 2010 European Society of Cardiology Research Fellowship (per il Dr Alberto Giannoni)
- 2014 Heart Failure Association of the ESC Award for Heart Failure Awareness Days activity in Italy
- 2016 Heart Failure Association of the ESC Award for Heart Failure Awareness Days activity in Italy
- 2017 Heart Failure Association of the ESC Award for Heart Failure Awareness Days activity in Italy

- 2018 Heart Failure Association of the ESC Award for Heart Failure Awareness Days activity in Italy
- 2019 Top Italian Scientists della VIA-Academy: rank 40/100, (7° in cardiologia) [www.topitalianscientists.org/](http://www.topitalianscientists.org/)
- 2019 Wrocław University Gold Medal (Poland)

#### **Editore presso Riviste Scientifiche Indicizzate (Impact Factor)**

- European Journal of Preventive Cardiology (UK) Editor-in-Chief (IF 5.6)
- European Heart Journal (IF 23.3)
- European Journal of Heart Failure (IF 13.9)
- ESC Heart Failure (IF 3.5)
- Journal of Cardiovascular Medicine (IF 1.4)
- Giornale Italiano di Cardiologia
- Monaldi Archives for Chest Disease

#### **Organizzazione, Direzione, Coordinamento e Partecipazione Gruppi di ricerca Internazionali e Nazionali**

- European Society of Cardiology (ESC)
  - Chair della Task Force Europea (composta da 10 Società Europee di Prevenzione) responsabile Linee Guida Europee per la Prevenzione Cardiovascolare 2016
  - Membro della Task Force responsabile di compilazione delle linee guida su
    - Guidelines on myocardial revascularization (2010)
    - Scompenso cardiaco acuto e cronico (2008)
    - 2016 ESC Position Paper on cancer treatments and cardiovascular toxicity
    - Esercizio, Sport e Cardiopatie (2019)
    - Scompenso Cardiaco Acuto e cronico (2021)
  - Chair dei Revisori di Linee Guida
    - “Perioperative care of cardiovascular patient”. (2014)
    - Diabete Mellito (2019)
  - Revisore Linee Guida
    - 2018 ESC/EACTS Guidelines on myocardial revascularization
    - Fourth universal definition of myocardial infarction
    - 2018 ESC Guidelines for the management of cardiovascular diseases during pregnancy.
    - 2018 ESC/ESH Guidelines for the management of arterial hypertension
    - 2018 ESC Guidelines for the diagnosis and management of syncope
    - 2017 ESC focused update on dual antiplatelet therapy in coronary artery disease
    - 2017 ESC/EACTS Guidelines for the management of valvular heart disease
    - 2017 ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation
    - 2017 ESC Guidelines on the Diagnosis and Treatment of Peripheral Arterial Diseases
    - 2017 ESC/EACTS Guidelines for the management of valvular heart disease
    - 2016 ESC Guidelines for the management of atrial fibrillation
    - 2016 ESC/EAS Guidelines for the Management of Dyslipidaemias
    - 2016 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure
    - 2015 ESC/ERS Guidelines for the diagnosis and treatment of pulmonary hypertension
    - 2015 ESC Guidelines for the diagnosis and management of pericardial diseases
    - 2015 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation
    - 2015 ESC Guidelines for the management of infective endocarditis
    - 2015 ESC Guidelines for the management of patients with ventricular arrhythmias and the prevention of sudden cardiac death
    - 2014 ESC Guidelines on diagnosis and management of hypertrophic cardiomyopathy
    - 2014 ESC guidelines on the diagnosis and management of acute pulmonary embolism
    - 2014 ESC/ESA Guidelines on non-cardiac surgery: cardiovascular assessment and management
    - 2014 ESC guidelines on diabetes, pre-diabetes, and cardiovascular disease
    - 2013 ESC guidelines on the management of stable coronary artery disease
    - 2013 ESH/ESC Guidelines for the management of arterial hypertension
    - 2013 ESC guidelines on cardiac pacing and cardiac resynchronization therapy
    - 2012 ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation
    - 2010 Guidelines for pre-operative cardiac risk assessment and perioperative cardiac management in non-cardiac surgery
- <https://www.escardio.org/The-ESC/Governance/ESC-Committees/Board-Committees/Committee-for-Practice-Guidelines-CPG>
- European Association for Cardiovascular Prevention and Rehabilitation of ESC:
  - 2008 - oggi Membro del Board
  - 2010-12 Chairman Sezione di Cardiac Rehabilitation
  - 2012-16 Chairman Science & Guideline Committee

- 2017 - oggi Ex-officio Member come Editor in Chief de European Journal of Preventive Cardiology  
[https://www.escardio.org/Sub-specialty-communities/European-Association-of-Preventive-Cardiology-\(EAPC\)/About/EAPC-Board](https://www.escardio.org/Sub-specialty-communities/European-Association-of-Preventive-Cardiology-(EAPC)/About/EAPC-Board)
- Heart Failure Association of ESC
  - 2012- oggi Membro del Board
  - 2012-14 Chairman, Gruppo di Studio, Exercise training in Heart Failure Study
  - 2014-18 Chairman Committee of Exercise Training and Physiology
  - 2016-18 Clinical Science Chair
  - 2018 - 'Sui Generis' Board Member for Accreditation and Certification Project [https://www.escardio.org/Sub-specialty-communities/Heart-Failure-Association-of-the-ESC-\(HFA\)/About/Board](https://www.escardio.org/Sub-specialty-communities/Heart-Failure-Association-of-the-ESC-(HFA)/About/Board)
- ANMCO (Associazione Medici Cardiologi Ospedalieri)
  - 2012 Componente Gruppo di Coordinamento Area Scompenso
- SIC Società Italiana di Cardiologia.
  - 2008 Chairman. Gruppo di Studio Fisiologia Esercizio Fisico, Cardiologia dello Sport e Riabilitazione:
  - 2012 Chairman Gruppo di Studio Informatica in Cardiologia
  - 2012-14 Componente Segreteria Sezione Emilia Romagna -Marche
- Associazione Medici per l'Ambiente ISDE Italia
  - Tesoriere comitato provinciale di Piacenza
- Università' di Parma
  - 2017 Progetto ALLiance for sEcondary PREvention After an Episode of Acute Coronary Syndrome (ALLEPRE)
- Ministero della Salute
  - 2016 Network Project/Progetti di Rete Project Title: NET-2016-02364191. EFFECTIVENESS OF AUDIT AND FEEDBACK STRATEGIES TO IMPROVE HEALTHCARE PRACTICE AND EQUITY IN VARIOUS CLINICAL AND ORGANIZATIONAL SETTINGS / "Efficacia degli interventi di Audit e Feedback per il miglioramento dell'assistenza sanitaria nel Diabete mellito di Tipo 2 e nell'Insufficienza Cardiaca Cronica"

#### Interessi

Lingue (Italiano, Inglese, Francese), Musica (Classical e Pop), Arti Classiche e Letteratura

#### Organizzazione di Corsi Didattici e Congressi

1. 2018 'Care vs Cure vs Rehabilitation in Heart Failure Patients - 4th HFA Educational Training Practical Course on "Rehabilitation and Long Term Management of Heart Failure Patients" CNR (National Research Council) Research Area via G. Moruzzi 1, Pisa", Pisa 21- 22 Marzo [http://www.eureka.srl/hfacoursepisa/wp-content/uploads/2017/11/HFACOURSEPISA\\_Preliminary\\_Programme.pdf](http://www.eureka.srl/hfacoursepisa/wp-content/uploads/2017/11/HFACOURSEPISA_Preliminary_Programme.pdf)
2. 2015 European Society of Cardiology Educational and Training Corse "Exercise rehabilitation and long term management of heart failure patients" University Hospital, Inselspital Bern, Switzerland 12-13 Novembre [https://www.escardio.org/static\\_file/Escardio/Subspecialty/HFA/Education/EACPR\\_HFA\\_Exercise%20Training%20Programme%202015.pdf](https://www.escardio.org/static_file/Escardio/Subspecialty/HFA/Education/EACPR_HFA_Exercise%20Training%20Programme%202015.pdf)
3. 2013 European Society of Cardiology Educational and Training Corse "Exercise rehabilitation and long term management of heart failure patients" University Hospital, Inselspital Bern, Switzerland 19 -21 Settembre
4. 2011, European Society of Cardiology Educational and Training Corse "Exercise rehabilitation and long term management of heart failure patients" University Hospital, Inselspital Bern, Switzerland 27-29 Ottobre <https://www.pdfFiller.com/jsfiller-desk11/?projectId=321486220&expId=5302&expBranch=3#a76d3056167634597e3da56ef9c111b1>
5. 2011 Workshop La prevenzione.: la sfida della Cardiologia del futuro: Esperti a confronto in Emilia Romagna e in Europa. Piacenza, 28 Maggio
6. 2009 Scompenso cardiaco. Dall'Ospedale al territorio. Evento Formativo FIC - ANMCO, Piacenza, Maggio 2009
7. 2008 Corso Terapia Rigenerativa mediante cellule staminali in Cardiaca, Piacenza, 17 Maggio 2008
8. 2007 Aggiornamento Scompenso Cardiaco 2007, AUSL Piacenza Maggio 2007
9. 2005 VI International Meeting "Atrial fibrillation and heart failure: the ugly and the nasty" Settembre. 18-20 Bologna,
10. 2004 'Heart Failure Update' European Society of Cardiology / Heart Failure Association, Wroclaw Polonia 12-15 Giugno
11. 2004 Cardiac Tissue Repair Cell Transplant & Growth Factors, Sirmione (Garda) Giugno 4-5 2004
12. 2003 Aggiornamento Scompenso Cardiaco 2003: A new Challenge, Piacenza I 10 Ottobre 2003

#### Attività Lavorativa Clinica ed Accademica:

##### Pre-Lauream:

- 1983-1985: Dipartimento di Fisiologia Umana - Università di Pavia
- 1984 (summer) Reparto di Neurologia - Ospedale Civile- Piacenza
- 1985-1987: Il Clinica Medica - Università di Pavia
- 1985,1986 (stage estivi): Laboratoire de Echo-Phonocardiographie Dynamique, Service de Cardiologie - Hopital Boucicaut - Paris

Post-Lauream:

- 1987-1988: II Clinica Medica - Università di Pavia
- 1989: Ufficiale Medico - Cardiologia e Reparto di Medicina Generale - Ospedale Militare di Piacenza
- Gen - Giugno 1990: Medico Medicina Generale - USL 2 di Piacenza
- Giugno 1990- Maggio 1991: Giovane Ricercatore in Cardiologia e Assistente Onorario, Cardiac Dept., John Radcliffe Hospital, Oxford U.K.
- Giugno 1991-Febbraio 1992: Assistente di Cardiologia - UO Cardiologia - Ospedale Castel S. Giovanni
- Marzo 1992 - Dicembre 1993: Giovane Ricercatore in Cardiologia e Assistente Onorario, Cardiac Dept., John Radcliffe Hospital, Oxford, e Giovane Ricercatore in Cardiologia e Assistente Onorario, Royal Brompton Hospital e National Heart & Lung Institute, Londra, U.K.
- 1995-97: Aiuto in Cardiologia - Cardiac Unit - Castel S. Giovanni Hospital - Italy
- Gennaio 1994 al 1998: Ricercatore anziano in Cardiologia e Assistente Onorario, Royal Brompton Hospital e National Heart & Lung Institute, Londra, U.K.
- Dal 1998. Dirigente I Livello di Cardiologia, UO di Cardiologia Ospedale G. Da Saliceto Piacenza
- 1999- 2002: Cardiologo Clinico e Consultant Onorario - Dipartimento di Cardiologia - Royal Brompton and Harefield NHS Hospital - Londra, UK - Responsabile del Gruppo di Fisiologia Clinica, Unità Scompenso
- Dal 2002 - 2017: Lettore Anziano Onorario (Senior Lecturer) - Dip. Cardiologia - Royal Brompton and Harefield NHS Hospital - Londra, UK
- 2007 ad 2011. Responsabile di Incarico Alta Professionalità Gestione Scompenso Cardiaco e Cardiomiopatie - UO di Cardiologia Ospedale G. Da Saliceto Piacenza
- 2010 - : Affiliazione alla Fondazione Toscana "G Monasterio" Pisa, come Consulente di Ricerca
- 2012 ad oggi. Direttore Unità Operativa Semplice di Scompenso Cardiaco e Cardiomiopatie - Ospedale G. Da Saliceto Piacenza
- 2019 - : Affiliazione Istituto di Scienze della Vita della Scuola Superiore S Anna, Pisa

**Attività Didattica**

1. 2002, 7 Maggio, Royal College of Physician, London UK 'Teach-in on management of heart failure' (Totale 6 ore)
2. AA 2003-2004 Imperial College, Faculty of Medicine, Cardiology Course per studenti di Medicina (Totale 40 ore)
3. Seminari su Curare lo Scompenso Cardiaco, presso Istituto di Fisiologia Clinica, CNR (Centro Nazionale Ricerche), Pisa, Prof. Michele Emdin
  - a. 2005: 16-19 Maggio, 20-23 Giugno, 12-15 Settembre (Totale ore 12 ore)
  - b. 2006 6-9 Marzo, 11-14 Settembre, 9-11 Ottobre (Totale ore 12 ore)
  - c. 2007 18-21 Giugno, 8-12 Ottobre, 12-15 Novembre (Totale ore 12 ore)
  - d. 2008 18-21 Febbraio, 13-16 Ottobre (Totale ore 8 ore)
  - e. 2009 20-23 Aprile, 9-12 Novembre (Totale ore 8 ore)
  - f. 2010 19-22 Aprile, 7-10 Giugno, 11-14 Ottobre (Totale ore 12 ore)
4. AA 2006-2007 Università Napoli Federico II. Docente al Master in Riabilitazione Cardiologi, 17 Sett (Totale ore 8), Prof. Carlo Vigorito
5. 2007 Visiting Professor, Istituto di Fisiologia, Scuola di Specializzazione in Medicina dello Sport, Università di Cagliari (Prof. Alberto Concu), (totale ore 70)
6. AA 2012-13 Università degli Studi di Parma, Facoltà di Medicina e Chirurgia, Scuola di Specialità in Malattie Cardiovascolari Prof. Paolo Coruzzi
  - a. CORSO INTEGRATO DI CARDIOLOGIA CLINICA: FISIOPATOLOGIA E CLINICA DELLO SCOMPENSO (12 ore)
7. AA 2014-15 Università degli Studi di Parma, Facoltà di Medicina e Chirurgia, Scuola di Specialità in Malattie Cardiovascolari Prof. Paolo Coruzzi
  - a. CORSO INTEGRATO DI CARDIOLOGIA CLINICA: FISIOPATOLOGIA E CLINICA DELLO SCOMPENSO CARDIACO (II anno) (12 ore)
  - b. CORSO INTEGRATO DI CARDIOLOGIA CLINICA: FISIOPATOLOGIA E CLINICA DELLO SCOMPENSO CARDIACO (III anno) (12 ore)
8. AA 2016-17, Università degli Studi di Parma, Facoltà di Medicina e Chirurgia, Scuola di Specialità in Malattie Cardiovascolari, Prof. Paolo Coruzzi
  - a. Lezioni su "Cardiopatía ischemica" (II anno) (Totale ore 16)
  - b. Lezioni su "Cardiopatía ischemica" (III anno) (Totale ore 16)
  - c. Lezioni su "Cardiopatía ischemica" (IV-V anno unificati) (Totale ore 16)
9. AA 2017-18, Università degli Studi di Parma, Facoltà di Medicina e Chirurgia, Scuola di Specialità in Malattie Cardiovascolari, Prof. Paolo Coruzzi
  - a. Lezioni su "Le basi fisiopatologiche della cardiopatía ischemica (I-II anno)" (Totale ore 16)
  - b. Lezioni su "Corso di Ecocardiografia avanzata" (II anno) (Totale ore 12)
  - c. Lezioni su "Cardiopatía ischemica" (II anno) (Totale ore 16)
  - d. Lezioni su "Cardiopatía ischemica" (III anno) (Totale ore 16)
  - e. Lezioni su "Cardiopatía ischemica" (IV-V anno unificati) (Totale ore 16)
10. 2012, Università Milano - Bicocca. Corso di Perfezionamento "Diagnosi e cura dello scompenso cardiaco acuto e cronico". Lettura "Ruolo delle altre Metodiche di Studio" 14 Aprile. (totale ore 2)

11. 2015, Scuola Superiore S. Anna, Pisa. Relazione “Con esercizio fisico ed altro” al Corso “Tra cardiopatia ischemica e malattia coronarica” 31 Ottobre, (Ore 1)
12. 2017 Giugno-Luglio. Visiting Professor, Istituto di Fisiologia, Scuola di Specializzazione in Medicina dello Sport, Università di Cagliari (Prof. Concu), totale 20.
13. 2008 e 2010. Docente Corso Cardiac Rehabilitation, Insel Hospital, University of Bern, Prof. Hugo Saner, ore totale 16
14. 2008 e 2009 Docente Corso interattivo sul test da sforzo cardiopolmonare, Dr R. Griffo, Genova, Ore totali 8

#### Tesi seguite

-sotto la mia diretta supervisione presso l'Università di Londra Department di Cardiac Medicine, National Heart & Lung Institute, Imperial College di Science, Technology and Medicine

- Adam Scott “Skeletal muscle reflex activation and the respiratory control in chronic heart failure”, 2002, conseguito diploma in Doctor di Philosophy (Dottorato di Ricerca)
- Roland Wensel “ Origin di increased ventilatory response to exercise in Chronic Heart Failure Patients”, 2002, conseguito diploma in Master di Philosophy
- Roland Wensel “ Patho-physiological Mechanisms di increased ventilatory response to exercise in Chronic Heart Failure Patients”, conseguito diploma in Doctor di Philosophy (Dottorato di Ricerca) 2005
- Konstantinos Dimopoulos “Exercise intolerance in Adult Congenital Heart Disease: origin di symptoms”, conseguito diploma in Master di Philosophy (2005)
- Ian MacQueen “Progressive Exercise in health and disease”, conseguito diploma in Doctor di Medicine (2006)
- Konstantinos Dimopoulos “Exercise intolerance in Adult Congenital Heart Disease: origin di symptoms”, Diploma in Doctor di Philosophy (Dottorato di Ricerca) 2008

- sotto la mia diretta supervisione presso l'Università di Parma, Facoltà di Medicina e Chirurgia, Corso di Specializzazione in Cardiologia

- Dr Efrosini Iconomu “Attivazione neuro-ormonale nello scompenso cardiaco” (2005)
- Dr Sebastiano Costantino “Intervento multidisciplinare nel trattamento del paziente con scompenso cardiaco” (2006)
- Dr Federica del Giudice “REGISTRO OSSERVAZIONALE RETROSPETTIVO MONOCENTRICO DI PAZIENTI PORTATORI DI DEFIBRILLATORE IMPIANTABILE IN PREVENZIONE PRIMARIA: DIFFERENZE TRA L'Eziologia ISCHEMICA E QUELLA NON ISCHEMICA?” (2019)

#### Referenze

##### AUSL Piacenza

Dr Prof. Giovanni Q Villani  
Direttore Dipartimento Medicine Specialistiche UOC Cardiologia, Ospedale G da Saliceto, Tel 0523 303215  
[g.villani@ausl.pc.it](mailto:g.villani@ausl.pc.it)

##### Università' di Ferrara

Prof Roberto Ferrari,  
Cattedra di Cardiologia, Università degli Studi di Ferrara, Via Aldo Moro 8, 44124, Cona Ferrara, Italy  
[fri@unife.it](mailto:fri@unife.it)

##### Università' di Pisa

Prof Raffaele De Caterina, Cattedra di Cardiologia, Università' di Pisa [rdecaater@ftgm.it](mailto:rdecaater@ftgm.it)  
Prof Michele Emdin, Director, Cardiology & Cardiovascular Medicine Division, Fondazione Toscana G Monasterio per la Ricerca Medica e di Sanità Pubblica CNR-Regione Toscana, via G. Moruzzi 1, 56124, Pisa  
mobile +393454744053, phone +39 050 3152189, fax +39 050 3152109 [emdin@ftgm.it](mailto:emdin@ftgm.it),  
[m.emdin@santannapisa.it](mailto:m.emdin@santannapisa.it)

##### Università' di Roma

Prof Francesco Grigioni  
Direttore Cardiologia, Professore Associato Malattie dell'apparato cardiovascolare, Campus Biomedico  
Tel. +39 06 22541 1, [francesco.grigioni@unibo.it](mailto:francesco.grigioni@unibo.it);

##### Università' di Trieste

Prof. Gianfranco Sinagra, MD, FESC  
Professor of Cardiology, Head of Cardiovascular Department, Azienda Sanitaria Universitaria Integrata  
University of Trieste, Polo Cardiologico-Ospedale di Cattinara, Via Valdoni 7 - 34129 Trieste  
Tel (+39) - 040-3994477-4865 - Fax (+39) - 040-3994878 [gianfranco.sinagra@asu.its.sanita.fvg.it](mailto:gianfranco.sinagra@asu.its.sanita.fvg.it)

##### Università' di Wroclaw

Prof. Piotr Ponikowski  
Head of the Department of Heart Diseases Wroclaw Medical University, Wroclaw, Poland  
Rudolfa Weigla 5, 53-114 Wroclaw, Poland [wz19@umed.wroc.pl](mailto:wz19@umed.wroc.pl) Tel: + 48 261 660 275

##### Università di Londra - UK

Michael A. Gatzoulis, MD PhD FACC FESC  
Professor di Cardiologia, Congenital Heart Disease and Consultant Cardiologist, Adult Congenital Heart Centre and Centre for Pulmonary Hypertension, Royal Brompton Hospital, and the National Heart & Lung Institute, Imperial College, Londra, UK, Tel.: +44 20 73518602 .Fax: +44 20 73518629: [m.gatzoulis@rbh.nthames.nhs.uk](mailto:m.gatzoulis@rbh.nthames.nhs.uk)

##### Università di East Anglia - UK



Andrew JS Coats, Professor, Dean, The Norwich Research Park, Professor-at-Large, University of East Anglia, UK, Email: [AJSCoats@aol.com](mailto:AJSCoats@aol.com)  
Universita' di Oxford, UK  
Barbara Casadei, MD DPhil FRCP FMedSci FESC  
British Heart Foundation Professor Of Cardiovascular Medicine, Email [barbara.casadei@cardiov.ox.ac.uk](mailto:barbara.casadei@cardiov.ox.ac.uk)  
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## Posizione Funzionale e Competenze Professionali

### Sommario

- 1) ATTIVITA' E RESPONSABILITA' CLINICA UOC Cardiologia e UCC, Ospedale G da Saliceto di Piacenza
  - a) Esercita la funzione di Facente Funzione del Direttore (Dr GQ Villani) in sua assenza, coordinando il lavoro di 18 cardiologi, distribuiti in UCC (8 letti; 2 medici), Reparto Subintensivo (26 letti; 3 medici), Emodinamica (H24/7, 4 medici), Elettrofisiologia (impianto di PM, ICD, CRT, SEF, ablazione aritmie ventricolari e SV; 3 medici), Ecocardiografia (2D, 3D, stress, ETE; 4 medici), Ergometria con test cardiopolmonari (2 medici) e ambulatori specialistici (Scompenso Cardiaco, Cardio-oncologia, Ipertensione polmonare).
- 2) ATTIVITA' E RESPONSABILITA' CLINICA UOS SCOMPENSO CARDIACO e CARDIOMIOPATIE @ Cardiologia e UCC, Ospedale G da Saliceto di Piacenza
  - Responsabile
    - a) Coordina l'attività di equipe formata da 5 medici (Dr S Binno, Dr BM Matrone, Dr R Giacalone, Dr L Moderato, Dr C Armentano) e 3 infermieri (L Lise', MC Murru, L Ursi) nella gestione di un ambulatorio /Day Service operante 4 giorni alla settimana (dal Lunedì al Giovedì, dalle 8 alle 13 e dalle 14 alle 17)
  - Riconosciuta competenza Internazionale nella diagnosi e nel trattamento dello scompenso cardiaco
    - a) Co-autore delle Linee Guida Europee 2008 per la diagnosi e trattamento dello scompenso cardiaco sia acuto che cronico, revisore delle Linee Guida Europee 2016
    - b) contributo con relazioni e letture ad invito nei maggiori congressi nazionali ed internazionali di cardiologia,
    - c) membro dei Gruppi lavoro Regionale (Regione Emilia Romagna), Società Nazionali (Società Italiana Cardiologia ed Associazione Nazionale Medici Cardiologi Ospedalieri) ed Europei (European Society of Cardiology, Heart Failure Association)
    - d) Responsabile regionale implementazione Consensus Conference sullo Scompenso Cardiaco
    - e) A livello AUSL di Piacenza, dal 1999, ideatore, realizzatore e responsabile del Progetto scompenso, premiato con Premio PA 2001, Premio Alesini Cittadinanza Attiva 2007, e dal 2018 del PDTA (Percorso Diagnostico Terapeutico). In tale ruolo coordino a livello Aziendale il programma di gestione multidisciplinare composto da medici cardiologi, internisti, geriatri, medici di area critica e infermieri professionali dei tre PO dell'Azienda USL
    - f) Ho curato la realizzazione di 3 corsi di aggiornamento (2003, 2007, 2009) a livello aziendale e nazionale ed internazionale sulla fisiopatologia e terapia dello scompenso (coinvolgendo il Presidente della Heart Failure Association, Prof. P Ponikowski, e Presidente FIC, Dott G. Di Pasquale, Presidente Regionale ANMCO, Dott Piovaccari)
- 3) PROGETTO CARDIAC: Cellule Staminali in Cardiologia. Ideatore e responsabile del progetto Aziendale CARDIAC, "CARDIOMIOPLASTICA CELLULARE AUTOLOGA: RIPARAZIONE DEL TESSUTO MIOCARDICO INFARTUATO MEDIANTE INFUSIONE INTRACORONARICA PERCUTANEA DI CELLULE DI MIDOLLO OSSEO MONONUCLEATE AUTOLOGHE".
  - a) Dal 2005 ho costituito e coordino il gruppo di lavoro multidisciplinare, costituito da medici cardiologi, ematologi, trasfusione, e medici nucleari del PO di Piacenza al fine di valutare la fattibilità ed efficacia di trapianto intracoronario di cellule staminali mononucleate derivate dal midollo osseo in aggiunta alla terapia standard ottimizzata nei pazienti con Infarto miocardico acuto esteso ricoverati presso l' Ospedale G da Saliceto. I risultati sono stati presentati ai maggiori congressi nazionali ed europei di cardiologia ed ematologia e pubblicati su Eur J Heart Failure 2011
  - b) Ho curato la realizzazione di evento culturali (17/06/2008) a livello AUSL di aggiornamento sulla terapia dello scompenso, a cui hanno partecipato i maggiori esperti italiani del settore, incluso il Prof. R Ferrari, Presidente Società Europea di Cardiologia
- 4) CARDIOLOGIA RIABILITATIVA E PREVENTIVA. Componente del Board Internazionale della Società Europea di Cardiologia Riabilitativa e Preventiva (European Association Cardiac Rehabilitation and Prevention), in qualità di Chairman della Sezione Cardiologia Riabilitativa. Promotore e responsabile delle linee guida Europee sulla Riabilitazione Cardiologica (2010) e della Prevenzione Cardiologica (2016)
- 5) Riconosciuta competenza Internazionale nella valutazione funzionale e disautonomica e risposta all'esercizio
- 6) Riconosciuta competenza Internazionale nella valutazione ed interpretazione del test ergometrico cardiopolmonare
- 7) Ho collaborato inoltre
  - a) al gemellaggio tra AUSL di Piacenza e Servizio Sanitario di Camaguey (Cuba)
  - b) alla realizzazione ed all'analisi dei primi e positivi risultati del Progetto Vita di Piacenza pubblicati su riviste internazionali (Circulation)

## Training Clinico

### Medicina Generale:

- 1984-1987 Internato in Clinica Medica 1, Università di Pavia (Prof. G Finardi): patologie internistiche, ematologia, oncologia

### Cardiologia:

#### Non-invasiva

- 1988 Internato in Cardiologia, Università di Pavia: clinica e laboratorio di ecocardio e fonocardiografia
- 1984 e 1985 Internato presso il Laboratoire de Echo-Phonocardiographie Dynamique, Service de Cardiologie - Hopital Boucicaut Paris
- 1990 e 1991-93: Assistente Onorario (Honorary Registrar) in Cardiologia, John Radcliffe Hospital, Oxford (Prof. Sleight): clinica cardiologia e terapia intensiva., ambulatori di cardiologia generale, clinica dello scompenso, ipertensione,
- 1991-98 Aiuto di Cardiologia, UO Cardiologia, Ospedale di Castel S. Giovanni (Dr Maj): clinica cardiologia, ambulatori di cardiologia generale, terapia intensiva, e tests non invasivi (Ecocardio, ECG da sforzo, ECG dinamici, Tilt test)
- Dal 1998: Dirigente Medico I Livello di Cardiologia, UO Cardiologia, Ospedale di Piacenza (Dr Capucci: attività in terapia intensiva coronarica, reparto clinico, ambulatori di cardiologia generale, ambulatori specialistici per lo scompenso e cardiomiopatie, aritmie, ipertensione, cardiopatia ischemica, e esami strumentali non invasivi (Ecocardiografia transtoracica, Transesofagea ed Ecocardio stress farmacologico ed ecocardio da sforzo, ECG da sforzo, ECG dinamici, Tilt test, test cardiopolmonari).

#### Invasiva

- 1990 e 1991-93: Assistente Onorario (Honorary Registrar) in Cardiologia, John Radcliffe Hospital, Oxford (Prof. Sleight): monitoraggio invasivo mediante linee centrali arteriose e venose, impianto di PM temporanei e definiti, procedure di angiografia coronarica e ventricolografia

## Training Accademico e di ricerca.

Ho seguito le seguenti principali aree di studio (tra parentesi le pubblicazioni derivate su riviste indicizzate):

- Studi Sperimentali di valutazione emodinamica e pressoria. (Eur Heart J 1990) e rapporti fra cuore e ventilazione (Am J Physiol 1995)
- Computer science: "Expert System come aiuto alla diagnosi cardiovascolare". (Ann Ital Med Int 1989; Am J di Noninvas Cardiol 1990; Acta Cardiologica 1990)
- Studi Fisiologici Clinici
  - Manovra di Valsalva (Boll Soc Ital Biol Sper. 1987)
  - Recupero dopo esercizio (J Appl Physiol 1993; J Physiol (Londra) 1994).
  - Origine della aritmia sinusale respiratoria (Circulation 1997).
  - Afferenze nervose ergorecettoriali. (Am J Physiol 1995)
  - Sistema nervoso autonomo (controllo del respiro, frequenza cardiaca, ventilazione) in pazienti con scompenso e dopo IMA (Am J Cardiol 1992; J Cardiac Failure 1996, Am J Cardiol. 1996), nello shock settico (Clin Autonomic Res. 1993) negli effetti sul training fisico (Clin Sci (Lond). 1996)
- Scompenso cardiaco
  - Revisore Linee Guida Europee sulla diagnosi e trattamento dello scompenso cardiaco acuto e cronico (Eur H J 2008)
  - Beneficio della riabilitazione e del condizionamento fisico (Circulation 1996, Clin Sci 1996, BMJ 2004)
  - Beneficio della stimolazione inotropica pulsata (Lancet 1995)
  - Ipotesi muscolare nell'origine dei sintomi (Br Heart J 1994)
  - Sistema degli ergoriflessi muscolari (Eur J Clin Invest 1995, Circulation 1996, J Physiol 2000, Circulation 2001, Circulation. 2002; Circulation. 2003; Eur Heart J. 2004, Circulation 2006)
  - Alterazioni del sistema nervoso autonomo (Am J Cardiol. 1997, JACC 2006)
  - Alterazioni dei baroriflessi (Am J Cardiol. 2001; J Hypertens 2001, Am Heart J. 2002)
  - Alterazioni dei chemoriflessi (Circulation. 1997; Am J Physiol. 1997, Circulation. 2001)
  - Risposta cardiopolmonari all'esercizio (Heart 2000, Eur Heart J. 2000, Circulation 2001, Am J Cardiol. 2004)
  - Respiro periodico e di Cheyne-Stokes (Eur Heart J 1998, Chest 2002, Clinical Science 2000, Exper Physiol 2000, Circulation 2000)
- Adulti con Cardiopatie congenite (GUCh). (Circulation. 2002, Circulation 2003)
- Ipertensione arteriosa (J Hypertension 1992)
- Elettrofisiologia (PACE 1994, Int J Cardiol. 1996)
- Fibrillazione atriale (Eur Heart J. 2000, Pacing Clin Electrophysiol. 2002)
- Rianimazione precoce sul territorio dai laici (Circulation 2002 )
- Effetti della resincronizzazione cardiac (Pacing Clin Electrophysiol. 2008)
- Promotore di studi e collaborazioni di ricerca internazionali
  - "European Heart Failure Training Group" (Eur Heart J 1998)
  - Iniziativa HEART project (Heart failure European Action, Rehabilitation Trial: a Multicentre Randomised Study di Rehabilitation in Chronic Heart Failure Patients) (Eur Heart J 1998)
  - Progetto ExTraMATCH, Exercise Training Meta-analysis in Chronic Heart failure (BMJ 2004)
- Progetto CARDIAC: rigenerazione cardiaca nei pazienti con IMA mediante infusione intracoronarica di cellule staminali autologhe da midollo osseo



Revisore di Riviste Scientifiche Indicizzate

Circulation; Cardiovascular Research; European Heart Journal, Heart, Clinical Science; Clinical Autonomic Research; European Journal di Internal Medicine; European Journal di Heart Failure; Geriatric Medicine; Hypertension; International Journal di Cardiologia.

**Tabella riepilogativa del numero di pubblicazioni su Riviste indicizzate con IF**

Journal	IF	N. publication	IF total
Abd Imag	1,50	1	1,50
Adv Clin Exp Med	1,26	1	1,26
Acta Card	1,60	2	3,20
Acta Physiol Sc	5,90	1	5,90
Am J Cardiol	3,10	9	27,90
An Heart J	4,00	5	20,00
Am J Ger Psc	4,23	1	4,23
Am J Med Sci	1,96	1	1,96
Am J Noninv C	1,20	1	1,20
Am J Physiol	4,00	4	16,00
Ann Am Thor Soc	4,00	1	4,00
Biome Res Int	2,58	3	7,74
Biomed Tech	0,59	1	0,59
BMJ	27,60	1	27,60
Br I Sp Med	11,60	1	11,60
Can J Card	5,50	1	5,50
Card Clin	2,00	1	2,00
Card Res	7,00	2	14,00
Chest	5,60	2	11,20
Circulation	23,05	17	391,85
Circulation HF	6,50	1	6,50
Circ J	3,00	2	6,00
Circ Res	15,86	1	15,86
Clin Aut Res	2,48	2	4,96
Clin Sci	5,20	12	62,40
Crit Care Med	7,40	1	7,40
Curr Pharm Des	3,00	1	3,00
Diab Care	13,00	1	13,00
Diab Res Clin P	3,24	1	3,24
Eur Heart J	23,23	60	1393,80
EHJ ACC	3,70	1	3,70
EHJ Suppl	1,32	1	1,32
Eur J Heart Fail	13,96	39	544,44
Eur J Prev Cardiol	5,64	72	406,08

ESC HF	3,40	1	3,40
Eur J Appl Physiol	3,00	2	6,00
Eur J Cardiot Sur	3,30	1	3,30
Eur J Cardio Nurs	2,40	1	2,40
Eur J Clin Inv	2,70	1	2,70
Eur J Intern Medi	3,28	2	6,56
EuroIntervent	4,00	1	4,00
EuroPace	6,10	4	24,40
Eur Resp J	12,24	1	12,24
Exp Physiol	2,90	2	5,80
JACC	18,63	6	111,78
JACC HF	8,91	2	17,82
JAHA	4,60	1	4,60
J Am Soc Echo	6,10	1	6,10
J Appl Physiol	3,05	6	18,30
J Cach Sarc Mus	12,51	1	12,51
J Card Fail	3,85	2	7,70
j Card Med	1,42	3	4,26
J Hypert	6,80	2	13,60
J Physiol	4,50	3	13,50
J Sci Med Sport	3,62	1	3,62
Head Face Med	1,49	1	1,49
HEART (BHJ)	5,42	2	10,84
Health Tech Ass	4,05	1	4,05
Hypertension	6,80	2	13,60
Int J Cardi	3,40	41	139,40
Int Care Med	15,00	1	15,00
Int J Clin Pract	2,40	1	2,40
Lancet	59,10	1	59,10
Med Sci Spor Ex	4,29	1	4,29
Minerva	0,70	2	1,40
Monaldi	0,70	2	1,40
Neth H J	1,90	1	1,90
PACE (PACING	1,34	4	5,36
Phys Ther	3,59	1	3,59
Respiration	2,90	1	2,90
Resp Physiol	1,58	1	1,58
Sports Med	7,58	1	7,58
IF totale	465,35	359	3591,40
Mean			10,0038997

## Sommario produzione scientifica (Impact Factor, h-index, Citazioni)

- Partecipazione a linee guida	N.	31
- Position papers	N.	36
- Lavori Originali su riviste indicizzate	N.	188
- Revisioni, Commenti, Casi Clinici Su Riviste Indicizzate	N.	113
- Principali Letture ad invito a congressi	N.	136
- Libri	N.	12

[www.topitalianscientists.org/](http://www.topitalianscientists.org/)

2019 Top Italian Scientists della VIA-Academy: rank 40/100, (7° in cardiologia)

[https://scholar.google.it/citations?hl=it&user=Gsz5EIAAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.it/citations?hl=it&user=Gsz5EIAAAAAJ&view_op=list_works&sortby=pubdate)

	TOTALE	dal 2014
Citations	108863	81231
h-index	93	73
i10-index	277	226

Web of Science Web of Science ResearcherID J-9437-2016

<https://publons.com/researcher/1246335/massimo-francesco-piepoli/>

PUBLICATIONS	TOTAL TIMES CITED	H-INDEX
455	31,593	67

IF totale	3591,40
IF medio per pubblicazione	10,00

Citazioni Totali	108646
- Medie per pubblicazione citata	281

## Principali Letture ad Invito in Congressi e Simposi Scientifici

1. Honorary Lecture "Cardiopulmonary reflex control - an intriguing territory where physiology meets cardiology" Wroclaw, May 14
2. Lettura 'Optimal therapy in HF patients with atrial fibrillation' in Joint Simposio EHRA/HFA "Atrial Fibrillation and heart failure", HERA Congress, Lisbon Marzo 18
3. Letture 'From cardiovascular prevention to rehabilitation', 'How do I best assess CV risk?', 'LDL vs NHDLD vs Apo-B : what is the best treatment target?', 'Current approach to Lipid lowering agents', Joint programme ESC Arabia ( SHA 2019 ), Riyadh, Saudi Arabia on March 7-9th, 2019.
4. Lettura "Heart failure in the elderly: adapting therapy to multimorbidities" Simposio "Expert Advice - Heart failure management in women, the elderly and cancer patients " ESC Scientific Congress, Paris, Settembre 2
5. Lettura "2019 ESC/EASD Diabetes, pre-diabetes and CVD" Simposio "2019 Clinical Practice Guidelines " ESC Scientific Congress, Paris, Settembre 4
6. Lettura "The non-adherent high risk patient- Conclusion and take home message. " Simposio " Prevention guidelines in clinical practice" ESC Scientific Congress, Munich, 29 August
7. Lettura 'National health care delivery' in simposio 'ESC ATLAS of Cardiology: stats on CVD and care', ESC Scientific Congress, Munich, 25 August
8. Lettura 'Impact of anti-rheumatic treatment on CV risk' in simposio 'CVD and rheumatoid arthritis, ESC Scientific Congress, Munich, 26 August
9. Lettura "Exercise and Rehabilitation" in Simposio "Alternative ways to increase physical activity" at Heart Failure Congress, Paris, 29 April - 2 May
10. Lettura "Prevention of heart failure In patients with hypertension" at Heart Failure Congress, Paris, 29 April - 2 May
11. Lettura "Exercise tests in heart failure' at Post-graduate Course in Heart Failure, Zurich January 25- 27
12. Letture 'Cardiac imaging for guiding statin prescriptions- is the evidence strong enough?' in "ESC in India" During Cardiological Society of India congress- 30 November/3 December 2017
13. Lettura 'Specific target levels for cholesterol are appropriate in prevention' in ESC Scientific Congress, Barcelona, 31 August
14. Lettera 'Evidence-based medicine: challenges in implementation of new prognostic tools' in ESC Scientific Congress, Barcelona, 31 August
15. Lettera 'Lettera 'Evidence-based medicine: challenges in implementation of new prognostic tools' in ESC Scientific Congress, Barcelona, 31 August
16. Letture "2016 European Guideline on CVD Prevention in clinical practice", at British Cardiovascular Society - Annual Conference 2017 Monday 5 June - Wednesday 7 June 2017 Manchester
17. Lettura " In a patient with heart failure" Simposio "Non competitive sport: counseling and issuing a health certificate " ESC Scientific Congress, Rome, 27 August
18. Lettura " Exercise therapy" Simposio "Holistic approach in heart failure" ESC Scientific Congress, Rome, 27 August

19. Lettura "CVD prevention I part" Simposio "Guidelines: Overview" ESC Scientific Congress, Rome, 28 August
20. Lettura "Exercise for chronic heart failure" Simposio "From Guidelines implementation to new therapy in heart failure" ESC Scientific Congress, Rome, 29 August
21. "2016 European Guidelines on CVD prevention in clinical practice" Chair, ESC Scientific Congress, Rome, 30 August
22. Lettura "Gaps in knowledge and implementation strategies: what do we know?, Simposio "Secondary prevention after myocardial infarction: how can we go further?" ESC Scientific Congress, Rome, 30 August
23. Lettura "Exercise prescription for the frail, elderly and unstable patients", Simposio "Exercise for heart failure in the morning" ESC Scientific Congress, London, 31 August
24. Lettura "Diagnosis of heart failure", Simposio "Guidelines on acute and chronic heart failure" ESC Scientific Congress, London, 30 August
25. Lettura "Which programme for the frail" Simposio "Controversies in exercise in heart failure" ESC Scientific Congress, Barcelona, 31 August
26. Lettura "Targeting ergoreflex: physical training and beyond", Simposio "Autonomic modulation in heart failure: what is new?" ESC Scientific Congress, Amsterdam, 31 Agosto
27. Lettura "Is high intensity better for the heart than low intensity?", Simposio "Exercise training with less pain?" ESC Scientific Congress, Amsterdam, 2 Settembre
28. Lettura "Neurocardiology: Direct interaction between nervous system, brain and heart", The Royal Netherland Academy of Arts and Science, and ICIN, - Netherlands Heart Institute, May 31 - June 1
29. Lettura 43' Congresso Nazionale di Cardiologia dell'ANMCO, Associazione Nazionale Medici Cardiologi Ospedalieri, 30 Maggio - 2 giugno
30. "La riabilitazione cardiologica e la telemedicina", Rete ANMCO post-SCA, Regione Emilia Romagna, Presentazione e discussione sul documento di consenso Bologna Mercoledì 23 novembre 2011
31. EACPR, First Training Course On The Use Of Cardiopulmonary Exercise Testing In Cardiology, Veruno 21 22 Ottobre
32. Training Course, Exercise Rehabilitation and Long Term Management of Heart Failure Patients 27th October - 29th October 2011
33. "Imaging e test cardiopolmonare", Firenze 42 congresso ANMCO
34. "Quali indici funzionali prognostici della malattia?" Congresso SIC - Società Italiana di Cardiologia
35. "La riabilitazione cardiologica nella scompenso cardiaco", Corso Cardiologia De Gasperi, Milano
36. "L'esercizio fisico: componente essenziale della CR. Meccanismi biologici alla base del beneficio", Congresso Nazionale SIC, Roma, Dicembre 12
37. "Vocational rehabilitation", Bern Course of Cardiac rehabilitation, Insel Hospital, Bern, September 30.
38. "Future direction in cardiac rehabilitation", Bern Course of Cardiac rehabilitation, Insel Hospital, Bern, September 30.
39. "L'esercizio fisico: componente essenziale della CR. Meccanismi biologici alla base del beneficio", Congresso Nazionale GICR, Genova Ottobre
40. "Quali sfide per il cardiologo clinico dell'era dei devices per lo scompenso?"- Riunionre Regionale SIC, Università di Ferrara, Novembre 2010.
41. "Challenging clinical cases in CR: one size fits all? The Elderly" ESC Congresso di Cardiologia, Stoccolma, Agosto
42. "Europrevent 2010, Highlights" ESC Congresso di Cardiologia, Stoccolma, Agosto
43. "I know the trials in heart failure but how do I manage my patient?" ESC Congresso di Cardiologia, Stoccolma, Agosto
44. "Forgotten problems in Heart Failure. Physical activity and Sexual problems". ESC Congresso di Cardiologia, Stoccolma, Agosto
45. "Attività Fisica e Apparato Cardiovascolare Fisiopatologia E Patologia - Tra Pratica Clinica E Ricerca" Università di Bologna. 29 Aprile
46. "Promozione di stile di vita sano: promozione attività fisica" Istituto Superiore di Sanità - IV Conferenza Nazionale sulla prevenzione delle malattie cardiovascolari - Roma 14-15 Aprile
47. "Diabete e scompenso cardiaco", Corso Cardiologia De Gasperi, Milano
48. Il contributo dell'Ecocardiografia e del test cardiopolmonare nella valutazione integrata del paziente con scompenso cardiaco, Evento Formativo, Learning Centre ANMCO, Novembre 6
49. "Exercise as an intervention to improve outcomes in Heart Failure", Royal School of Medicine, London Ottobre 27
50. "Exercise as an intervention to improve outcomes in Heart Failure", Heart Failure Association Scientific Session, Nice, June
51. "Exercise Training in Heart Failure" Lectio Magistralis, Polish Cardiac Society, Posnam
52. "Test cardiopolmonare nei trials clinici" Napoli, 30 Ottobre
53. "Cardiopulmonary exercise testing in heart failure", Scuola di Cardiologia, Università di Padova, Gennaio 28
54. "Corso interattivo sul test cardiopolmonare: metodologia, interpretazione e applicazione", Camogli 7-9 Maggio
55. "Terapia Rigenerativa mediante cellule staminali" AUSL Piacenza, 17 maggio
56. "Cardiologie sicure, gestione del rischio clinico" Campagna educativa ANMCO, Bologna 18 Giugno
57. "La gestione delle sindrome coronariche nella fase acuta e nella fase extraospedaliera", Campagna educativa ANMCO, Reggio Emilia, 23 Giugno
58. "Exercise Capacity as a therapeutic Target" nel Simposio "Fitness and Prognosis in Chronic heart failure", ESC Congresso di Cardiologia, Monaco, 31 Agosto.
59. "Heart Failure" nel Simposio "Challenging Patients in Cardiac Prevention and Rehabilitation" ESC Congresso di Cardiologia, Monaco, 31 Agosto

60. "Improvement in exercise tolerance in acute myocardial infarction patients treated with bone marrow cell transplantation", nel Simposio Healthy Bone Marrow for a Healthy Heart, ESC Congresso di Cardiologia, Monaco, 1 Sett.
61. "Practical approach to cardiopulmonary exercise testing" Focus Cardiology Practice Section, ESC Congresso di Cardiologia, Monaco, 1 Settembre
62. "Test Cardiopolmonare in Cardiologia", Università di Parma, Facoltà di Medicina, Cattedra di Pneumologia (Prof. A Chetta, 26 Sett.)
63. "End stage Acute HF therapy", in "How to cure Acute Heart Failure" Clinical Physiology Institute, Pisa, May, 14
64. "Interaction between Lifestyle Intervention and Interventional Invasive Cardiologia", ESC Congresso di Cardiologia 2007, Vienna, 1 Sept.
65. "Cardiopulmonary exercise testing in heart failure", Università di Parma, Scuola di Pneumologia, September 27-29
66. "Problematiche Emergenti in Ematologia e condivisione di progetti" AUSL Piacenza, 6 ottobre
67. "Cachexia and nutritional deficits in heart failure" in ANMCO Course "How to cope with co morbidity in heart failure", Maugeri Foundation, Veruno Hospital, October 12-13
68. "Mitral regurgitation" on Update on Guideline on Valve Heart Disease, Università di Ferrara, October 19
69. "Regional Projects di Management", in Acute Heart Failure Syndrome Symposium, Ospedale Maggiore Parma Università, November 29
70. "Physiopathologic Targets" in Acute Heart Failure Syndrome Symposium, Ospedale Maggiore Parma Università, November 29
71. "Dyspnoea and Heart Failure: do we know everything on causes and therapy? Role di reflexes". 68 Scientific Meeting di the Italian Society di Cardiologia, Rome, December 18
72. "Il test cardiopolmonare nella valutazione del soggetto con insufficienza cardiaca", Corso ANMOC< Cittadella, 5 Maggio
73. "Which limits exercise capacity in heart failure?" Europrevent 2006, European Association for Cardiovascular Prevention and Rehabilitation Annual Meeting, Athens, 11-13 May 2006
74. "Effects on the autonomic nervous system", World Congress di Cardiologia 2006, Barcelona, 2-6 Sept.
75. "Enhancing physical activity in elderly heart failure patients" World Congress di Cardiologia 2006, Barcelona, 2-6 Sept.
76. "Which limits exercise capacity in heart failure?" It is the peripheral muscle" World Congress di Cardiologia 2006, Barcelona, 2-6 Sept.
77. "Risposta allo sforzo Fisico" in Congresso Nazionale Gruppo Ital Cardiologia Riabilitativa, Palermo 5-7 Ottobre
78. "Edema Polmonare Acuto, cardiogeno e non: criteri diagnostici". Update in ecocardiografia clinica, Livorno 15 settembre
79. "Fattori che migliorano l'attività cardiaca dopo IMA", XI Annual Meeting Società Sammarinese di Cardiologia, 26 Novembre
80. "Exercise Training and prognosis in heart failure patients" British Cardiac Society Annual Meeting, Manchester 23-26 May
81. "Physical training is a therapy di heart failure", in Università di Cagliari Meeting on Evaluation di exercise and tolerance to effort: Sport as therapy in cardiovascular conditions. 28-29 January
82. "New therapeutic prospective" in "How to cure Heart Failure" Clinical Physiology Institute, Pisa, 16-19 May
83. "Therapeutic role di physical training in chronic heart failure" in ANMCO National Scientific Session', Florence June 2-4
84. "Exercise Tolerance" in Atrial Fibrillation 2005, Bologna, 18-20 September
85. "Cardiovascular Responses to exercise in Cardiomyopathy", Clinical Course on Cardiomyopathy at the National Heart & Lung Institute, Università di Londra, UK, February 6-7
86. "Reflex control during exercise", Course on Cardiopulmonary exercise at the Università di Milan. Monzino Institute, Milan, March 9-10
87. "Prognostic indices in heart failure" in ANMCO National Scientific Session', Florence May 22
88. "Exercise in Heart Failure", in 'Heart Failure Update", ESC Scientific Meeting, Wroclaw, Poland, June, 15
89. "Exercise, Arrhythmias and Heart Failure", International workshop, A Focus on Heart failure, Sorrento, Italy, October 2
90. "Ruolo dell'esercizio fisico nella cardiologia d'oggi: nuove evidenze fisiopatologiche" 7<sup>th</sup> Annual Meeting di the Italian Group di Cardiac Rehabilitation, Turin, October 7.
91. "Out-of Hospital Early Defibrillation", First Meeting di the Working Group on Acute Cardiac Care di the ESC, Rome, October 17
92. "Metanalisi degli effetti del training nello scompenso cardiaco, 9<sup>th</sup> Annual Meeting di Cardiologia Ribilitativa, Soc. Sammarinese di Cardiologia, novembre 25
93. "La Terapia Riabilitativa" in X Ed. Giornate Cardiologiche della Magna Graecia, Catanzaro, Novembre 27
94. "Reflex mecamisms in Cheyne-Stokes respiration" in Cheyne Stokes Breathing in Heart Failure Meeting, Meeting, Italian Research Council Pisa, November 29
95. "Progetto Piacenza" in Riunione Regionale ANMCO Management Gestionale ed Organizzativo dei pazienti con scompenso cardiaco, Bologna, m dicembre 3
96. "Causes di exercise limitation in Heart Failure", 65 Scientific Meeting di the Italian Society di Cardiologia, Rome, December 15
97. "Cardiovascular Responses to exercise", Integrative Physiology, Clinical Course at the National Heart & Lung Institute, Università di Londra, UK, December
98. "Autonomic derangement in Cachectic Syndrome". Cachexia Meeting, Berlin, Germany, December

99. "Use di automatic external defibrillators by lay people in patients with out-of-hospital cardiac arrest: which impact on survival?" Venice Arrhythmias 2003, October
100. "How to assess the physical training in heart failure", ANMCO Training course, Florence, October
101. "Novel Steps in the Journey toward optimising care for the victim di Sudden Cardiac Arrest", 3<sup>rd</sup> World Congress on Heart Disease, Washington DC, USA, July
102. "Autonomic and reflex changes in heart failure", Research seminar at the Scuola di sport and exercise science, Università di Birmingham, Birmingham (UK), 21 March
103. "Autonomic Dysfunction" in Research Seminars at the Institute for Pathophysiology, Friedrich Schiller Universität Jena, 30 January 2003
104. "Autonomic Dysfunction in chronic and in critically ill elderly cardiac patients" in Research Focus 598 'Heart Failure in the elderly: cellular mechanisms and therapeutical interventions' di the Deutsche Forschungsgemeinschaft, Martin-Luther Universität Halle-Wittenberg, Halle, 29 January 2003
105. "Muscle reflexes in Heart failure" in 'Italian Society di Cardiologia National Meeting', Rome (It) 16 December 2002
106. "Relationship between respiration, vascular oscillations, baroreflex and chemoreflex sensitivity" in 'Clinical application di advanced techniques in severe heart failure' Course, Associazione Nazionale Medici Cardiologi Ospedalieri, Veruno (It), 25-26 November, 2003
107. "Anemia is an independent predictor di poor outcome in patients with chronic heart failure", in 'Berliner Kardiologisch-Nephrologisches Symposium' Universitätsklinikum, Medizinische Fakultät der Humboldt Univesrität Berlin Capus Virchow-Klinikum, Berlin (Germany), 23 November 2002
108. "Atrial Fibrillation and heart failure - The odd couple" in 'Didactic Course', European Society di Cardiologia, CARDIOSTIM 2002, Nice (F), 21 June 2002
109. "The role di autonomic nervous system" in 'End stage heart failure and heart transplantation' di the 1<sup>st</sup> International congress di the Hellenic College di Cardiologia & Cardiac Surgery, Athens (GR), 22 June 2002
110. Exercise training in heart failure" in 'Teach-in on management di heart failure', Royal College di Physicians, Londra (UK), 7 May 2002
111. "Sudden Cardiac Arrest: out-of-hospital early defibrillation" in 'Innovation Cardiac Technology for Health' Symposium, Modena (It) 5 April 2002
112. "Modulation di breathing pattern in the heart failure therapy" Symposium. Italian Society di Cardiologia National Meeting, Rome 10 Dec. 2001
113. Importance di neuro-humoral assessment in heart failure" in Corso di Aggiornamento SIC in Update Meeting on Heart Failure di the Italian Society di Cardiologia, ROMA 28/09/01
114. "Prognostic stratification in heart failure: evaluation di sympatho-vagal balance and central and peripheral reflexes" Workshop on dilated Cardiomyopathy, Sorrento 29-30/6/01
115. "What questions does the Cardiopulmonary Exercise Tests answer?", in Update Meeting on Heart Failure di the Italian Society di Cardiologia, ROMA 27/4/01
116. "Chronic Heart Failure - The muscle hypothesis" in 64<sup>th</sup> Annual Meeting di the Polish Cardiac Society, Wroclaw, 18-19 May 2001
117. "Chronotropic and ventilatory response to exercise in heart failure" in 61st National Congress di the Italian Society di Cardiologia, Rome 16 Dec 2000
118. "How to assess the beneficial effect di exercise training in heart failure " in the Session "The rehabilitation in the heart failure", 5th National Congress di the Gruppo Italiano di Cardiologia Riabilitativa e Preventiva, Genoa 5th October 2000
119. "how to assess functional status and effect di training in heart failure", Convegno "Interazione cuore-polmone nell'insufficienza cardiaca", Correggio, 16/6/2000
120. "The central role di peripheray in heart failure", in Session di 'Endothelium and peripheral muscle become players in the syndrome' Heart Failure update Venice 2000, 29 June- 1 July
121. "Skeletal muscle training in chronic heart failure". Acta Physiological Scandinavica Symposium on Skeletal Muscle Disease - Common Denominators, at Näslingen Island, Stockholm Archipelago, Sweden May 17-21, 2000
122. "Among ischaemic event prevention and heart failure: the most effective therapy, and new perspectives for the future", Simposio "Insufficienza cardiaca: epidemiologia ed organizzazione assistenziale", della Associazione Nazionale Medici Cardiologi Ospedalieri Italiani, Firenze 20-23 Marzo 2000
123. "Role di exercise training in heart failure ", 60<sup>o</sup> National Meeting Italian Society di Cardiologia, Rome December. 1999
124. "Physical Training in Heart Failure", Scientific Meeting di International Society di Clinical Investigation, San Raffaele Hospital, Milan, 7-8 April, 1999
125. "Cardio-pulmonary Exercise test in the assessment and follow-up di heart failure patients", 30th National Congress di the Italian Society di Hospital Cardiologists (ANMCO, Associazione Nazionale Medici Cardiologi Ospedalieri), Florence, 30 May - 2 June 1999
126. "Dietary and educational advices in heart failure", 2<sup>nd</sup> International Meeting on Update in Heart Failure, Università di Bari, Bari, 2-4 June 1999
127. "Cardiac morbidity and mortality" Working Group on Cardiac rehabilitation and Exercise Physiology, European Society di Cardiologia Meeting, Barcelona, 28 August - 1 Sept. 1999
128. "Cardio-pulmonary Exercise test in the assessment di heart failure patients", Update in Heart failure, International Scientific Meeting di the S.Marino Society di Cardiologia, 4-5 November 1999

129. "Cardio-pulmonary Exercise test in the assessment of heart failure patients", Course of the Italian Society of Hospital Cardiologists (ANMCO, Associazione Nazionale Medici Cardiologi Ospedalieri), Veruno, Italy, 29 November 1999
130. "Is the Beta-blockade the ideal therapy for heart failure patients" Controversy in Cardiology Lecture. 33<sup>rd</sup> International Cardiology Meeting, Ospedale "Cà Granda", Milan, 20-24 September 1999
131. "Role of exercise training in heart failure". National Meeting of French Society of Cardiac Failure, Toulouse 27 - 29 Oct. 1999
132. "Update on treatment in Chronic Heart Failure" in Ischaemic Heart Disease in 2000, Piacenza, Italy, Nov. 1998
133. "Sympathetic, parasympathetic and hormonal responses during exercise in heart failure" in Exercise and Heart Failure, Education and Training Programme, European Society of Cardiology, Nice 1998
134. "The Ergoreceptors System in Chronic Heart Failure". European Meeting on Heart Failure '97. Cologne, Germany.
135. "The need for a randomised trial on physical training in heart failure". Dutch Cardiologist Meeting on Heart Failure. Imperial College of Science Technology and Medicine, April 1997
136. "Dynamic Cardiomyoplasty: update". International Medicine Student Scientific Meeting - Berlin 1996

## Contributi Scientifici

### Tesi

Diploma di Dottore di Medicina:

Impiego del Personal Computer per la Realizzazione di un Sistema Esperto per la Diagnosi Cardiologica Noninvasiva  
Università di Pavia, 1987.

Diploma di Specializzazione in Cardiologia:

Modificazioni della Pressione Arteriosa dopo Esercizio Fisico Massimale: Valutazione del Ruolo del Sistema Nervoso Autonomo - Università di Pavia, 1991.

Diploma di Doctor of Philosophy (Dottorato di ricerca):

Cardiovascular and Ventilatory Responses to Exercise in Chronic Heart Failure - National Heart & Lung Institute - Imperial College of Science Technology and Medicine - Università di Londra, 1996.

### Libri

1. ESC Textbook of Preventive Cardiology. Edited by Stephan Gielen, Guy De Backer, Massimo Piepoli, and David Wood © European Society of Cardiology 2015 Oxford University Press
2. ESC Textbook of Cardiovascular Medicine. "Cardiovascular Prevention" Chapter. 2018. Oxford University Press
3. ESC Textbook on Cardiovascular Pharmacotherapy 2<sup>nd</sup> Ed Oxford Medicine Online
4. The ESC Textbook of Sports Cardiology Edited by Antonio Pelliccia, Hein Heidbuchel, Domenico Corrado, Mats Björkesson, and Sanjay Sharma, March 2019 Oxford Medicine Online
5. ESC CardioMed Edited by A. John Camm, Thomas F. Lüscher, Gerald Maurer, and Patrick W. Serruys. 3<sup>rd</sup> Edition July 2019 Oxford Medicine Online
6. Piepoli M., Villani GQ. Esercizio fisico, aritmie e scompenso cardiaco. In "Lo Scompenso Cardiaco. Dai meccanismi molecolari al razionale delle nuove strategie di approccio clinico-terapeutico. Edited by Rengo F, Chiariello M, Losco D, Rich MW, Crical Medicine Publishing Ed. Roma 2004: 187-196
7. Capucci A, Villani GQ, Piepoli M. Heart rate profile in chronic atrial fibrillation, in "Dynamic Electrocardiography". Edited by Malik M, Camm AJ, Futura Blackwell Publishing, Bath, UK, 2004: 511-516
8. Piepoli M, Coats AJS. Peripheral mechanisms in Chronic Heart Failure. *Cardioscopies. Revue de cardiologie* 1997;52:355-62.
9. Piepoli M, Coats AJS. Heart Rate Variability in Chronic Heart Failure. In: Computer Analysis of the heart disease. G.Mancia, M.Di Rienzo Eds, IOS Press, Amsterdam, 1993.
10. Bernardi L, Perlino S, Soldà PL, Calciati A, Piepoli M, Pantaleo P, Finardi G. Modelli di studio del rilasciamento isovolumetrico. In: Fisiopatologia della diastole, dalle basi cellulari alle implicazioni cliniche. Rusconi C, Faggiano P, Gardini A eds., Ghedini, Milano, 1992
11. Bernardi L, Perlino S, Salvucci F, Soldà PL, Piepoli M, Calciati A, Radaelli A, Finardi G. Does autonomic modulation explain heart rate variability in all conditions? In: Computer Analysis of the blood pressure signal; research and clinical application. G.Mancia, M.Di Rienzo Eds, IOS Press, Amsterdam, 1992.
12. Coats AJS, Adamopoulos S, Radaelli A, Meyer TE, Piepoli M, Davey P, Sleight P. Exercise rehabilitation in Chronic Heart Failure. In Broustet JP ed. Proceedings of the Vth World Congress on cardiac rehabilitation. Intercept Ltd. Andover, Hampshire, UK, 1992: 248-251

## International Guidelines

### Task Force member

1. Piepoli MF, Hoes AW, Agewall S, Albus C, Brotons C, Catapano AL, Cooney MT, Corrà U, Cosyns B, Deaton C, Graham I, Hall MS, Hobbs FDR, Løchen ML, Löllgen H, Marques-Vidal P, Perk J, Prescott E, Redon J, Richter DJ,



- Sattar N, Smulders Y, Tiberi M, van der Worp HB, van Dis I, Verschuren WMM. 2016 European guidelines on cardiovascular disease prevention in clinical practice. The Sixth Joint Task Force of the European Society of Cardiology and Other Societies on Cardiovascular Disease Prevention in Clinical Practice (constituted by representatives of 10 societies and by invited experts. Developed with the special contribution of the European Association for Cardiovascular Prevention & Rehabilitation). *Eur Heart J*. 2016 Aug 1;37(29):2315-2381 - IF 23.3
2. Landmesser U, Chapman MJ, Stock JK, Amarenco P, Belch JFF, Borén J, Farnier M, Ference BA, Gielen S, Graham I, Grobbee DE, Hovingh GK, Lüscher TF, Piepoli MF, Ray KK, Stroes ES, Wiklund O, Windecker S, Zamorano JL, Pinto F, Tokgözoğlu L, Bax JJ, Catapano AL. 2017 Update of ESC/EAS Task Force on practical clinical guidance for proprotein convertase subtilisin/kexin type 9 inhibition in patients with atherosclerotic cardiovascular disease or in familial hypercholesterolaemia. *Eur Heart J*. 2018 Apr 7;39(14):1131-1143. IF 23.3
  3. Guidelines for the diagnosis and treatment of acute and chronic heart failure 2008: The Task Force for the Diagnosis and Treatment of Acute and Chronic Heart Failure 2008 of the European Society of Cardiology. Developed in collaboration with the Heart Failure Association of the ESC (HFA) and endorsed by the European Society of Intensive Care Medicine (ESICM). Kenneth Dickstein, Alain Cohen-Solal, Gerasimos Filippatos, Massimo Piepoli, Faiez Zannad *Eur J Heart Fail*. 2008 Oct;10(10):933-89. Epub 2008 Sep 16. *Eur Heart J*. 2008 Oct;29(19):2388-442. IF 23.3
  4. Guidelines on myocardial revascularization: The Task Force on Myocardial Revascularization of the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS). European Association for Percutaneous Cardiovascular Interventions, Wijns W, Kolh P, Danchin N, Di Mario C, Falk V, Folliguet T, Garg S, Huber K, James S, Knuuti J, Lopez-Sendon J, Marco J, Menicanti L, Ostojic M, Piepoli MF, Pirlet C, Pomar JL, Reifart N, Ribichini FL, Schalij MJ, Sergeant P, Serruys PW, Silber S, Sousa Uva M, Taggart D; *Eur Heart J*. 2010 Oct;31(20):2501-55. IF 23.3
  5. Zamorano JL, Lancellotti P, Rodriguez Muñoz D, Aboyans V, Asteggiano R, Galderisi M, Habib G, Lenihan DJ, Lip GYH, Lyon AR, Lopez Fernandez T, Mohty D, Piepoli MF, Tamargo J, Torbicki A, Suter TM; ESC Scientific Document Group. 2016 ESC Position Paper on cancer treatments and cardiovascular toxicity developed under the auspices of the ESC Committee for Practice Guidelines: The Task Force for cancer treatments and cardiovascular toxicity of the European Society of Cardiology (ESC). *Eur Heart J*. 2016 Sep 21;37(36):2768-2801 - IF 23.3

#### Reviewer

1. Sousa-Uva M, Neumann FJ, Ahlsson A, Alfonso F, Banning AP, Benedetto U, Byrne RA, Collet JP, Falk V, Head SJ, Jüni P, Kastrati A, Koller A, Kristensen SD, Niebauer J, Richter DJ, Seferovic PM, Sibbing D, Stefanini GG, Windecker S, Yadav R, Zembala MO; ESC Scientific Document Group. 2018 ESC/EACTS Guidelines on myocardial revascularization. *Eur J Cardiothorac Surg*. 2019 Jan 1;55(1):4-90 - *Eur Heart J*. 2019 Jan 7;40(2):87-165 IF 23.3
2. Thygesen K, Alpert JS, Jaffe AS, Chaitman BR, Bax JJ, Morrow DA, White HD; ESC Scientific Document Group . Fourth universal definition of myocardial infarction (2018). *Eur Heart J*. 2019 Jan 14;40(3):237-269. - IF 23.3
3. Regitz-Zagrosek V, Roos-Hesselink JW, Bauersachs J, Blomström-Lundqvist C, Cifková R, De Bonis M, Iung B, Johnson MR, Kintscher U, Kranke P, Lang IM, Morais J, Pieper PG, Presbitero P, Price S, Rosano GMC, Seeland U, Simoncini T, Swan L, Warnes CA; ESC Scientific Document Group . 2018 ESC Guidelines for the management of cardiovascular diseases during pregnancy. *Eur Heart J*. 2018 Sep 7;39(34):3165-3241. IF 23.3
4. Williams B, Mancia G, Spiering W, Agabiti Rosei E, Azizi M, Burnier M, Clement DL, Coca A, de Simone G, Dominiczak A, Kahan T, Mahfoud F, Redon J, Ruilope L, Zanchetti A, Kerins M, Kjeldsen SE, Kreutz R, Laurent S, Lip GYH, McManus R, Narkiewicz K, Ruschitzka F, Schmieder RE, Shlyakhto E, Tsioufis C, Aboyans V, Desormais I; ESC Scientific Document Group . 2018 ESC/ESH Guidelines for the management of arterial hypertension. *Eur Heart J*. 2018 Sep 1;39(33):3021-3104. IF 23.3
5. Aboyans V, Björck M, Brodmann M, Collet JP, Czerny M, De Carlo M, Naylor AR, Roffi M, Tendera M, Vlachopoulos C, Ricco JB, Document Reviewers, Widimsky P, Kolh P, Dick F, de Ceniga MV, Piepoli MF, Sievert H, Sulzenko J, Esc Committee For Practice Guidelines Cpg, Windecker S, Aboyans V, Agewall S, Barbato E, Bueno H, Coca A, Collet JP, Coman IM, Dean V, Delgado V, Fitzsimons D, Gaemperli O, Hindricks G, Iung B, Jüni P, Katus HA, Knuuti J, Lancellotti P, Leclercq C, McDonagh T, Piepoli MF, Ponikowski P, Richter DJ, Roffi M, Shlyakhto E, Simpson IA, Zamorano JL. Questions and Answers on Diagnosis and Management of Patients with Peripheral Arterial Diseases: A Companion Document of the 2017 ESC Guidelines for the Diagnosis and Treatment of Peripheral Arterial Diseases, in collaboration with the European Society for Vascular Surgery (ESVS). *Eur Heart J*. 2018 Mar 1;39(9):e35-e41. IF 23.3
6. Brignole M, Moya A, de Lange FJ, Deharo JC, Elliott PM, Fanciulli A, Fedorowski A, Furlan R, Kenny RA, Martín A, Probst V, Reed MJ, Rice CP, Sutton R, Ungar A, van Dijk JG; ESC Scientific Document Group . 2018 ESC Guidelines for the diagnosis and management of syncope. *Eur Heart J*. 2018 Jun 1;39(21):1883-1948. IF 23.3
7. Brignole M, Moya A, de Lange FJ, Deharo JC, Elliott PM, Fanciulli A, Fedorowski A, Furlan R, Kenny RA, Martín A, Probst V, Reed MJ, Rice CP, Sutton R, Ungar A, van Dijk JG; ESC Scientific Document Group Practical Instructions for the 2018 ESC Guidelines for the diagnosis and management of syncope. *Eur Heart J*. 2018 Jun 1;39(21):e43-e80. IF 23.3
8. Valgimigli M, Bueno H, Byrne RA, Collet JP, Costa F, Jeppsson A, Jüni P, Kastrati A, Kolh P, Mauri L, Montalescot G, Neumann FJ, Petricevic M, Roffi M, Steg PG, Windecker S, Zamorano JL, Levine GN; ESC Scientific Document Group. 2017 ESC focused update on dual antiplatelet therapy in coronary artery disease developed in collaboration with EACTS. *Eur Heart J*. 2018 Jan 14;39(3):213-260. IF 23.3
9. Falk V, Baumgartner H, Bax JJ, De Bonis M, Hamm C, Holm PJ, Iung B, Lancellotti P, Lansac E, Muñoz DR, Rosenhek R, Sjögren J, Tornos Mas P, Vahanian A, Walther T, Wendler O, Windecker S, Zamorano JL, Roffi M, Alfieri O, Agewall S, Ahlsson A, Barbato E, Bueno H, Collet JP, Coman IM, Czerny M, Delgado V, Fitzsimons D,

- Folliguet T, Gaemperli O, Habib G, Harringer W, Haude M, Hindricks G, Katus HA, Knuuti J, Kolh P, Leclercq C, McDonagh TA, Piepoli MF, Pierard LA, Ponikowski P, Rosano GMC, Ruschitzka F, Shlyakhto E, Simpson IA, Sousa-Uva M, Stepinska J, Tarantini G, Tchétché D, Aboyans V. Corrigendum to '2017 ESC/EACTS Guidelines for the management of valvular heart disease' [Eur J Cardiothorac Surg 2017;52:616-664]. Eur J Cardiothorac Surg. 2017 Oct 1;52(4):832.- IF 3.3
10. Baumgartner H, Falk V, Bax JJ, De Bonis M, Hamm C, Holm PJ, Iung B, Lancellotti P, Lansac E, Rodriguez Muñoz D, Rosenhek R, Sjögren J, Tornos Mas P, Vahanian A, Walther T, Wendler O, Windecker S, Zamorano JL; ESC Scientific Document Group. 2017 ESC/EACTS Guidelines for the management of valvular heart disease. Eur Heart J. 2017 Sep 21;38(36):2739-2791. - IF 23.3
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Luogo

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