

Cesare Scardulla, MD

Personal data

Nationality: *Italian*

Place of birth: *Palermo, Italy*

Date of birth: *10/22/1949*

Office Address: *IsMeTT – via E. Tricomi 1 90127 Palermo*

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Education and Medical Activity

1968 “Garibaldi” Grammar School, Palermo

High School Diploma

1968 University of Palermo

Enrolment at the Faculty of Medicine and Surgery

1973 Medicine Clinic of Lugano

Scholarship for the University of Lugano (Switzerland) Attending the Medical Clinic Division headed by Prof. T. Moccetti

1975 University of Palermo

Degree in Medicine and Surgery Mark: 110/110 with honors

1976 Civico Hospital, Palermo. Practical hospital training Hospital practical trainee at the Cardiology Division of *Civico e Benfratelli* Hospital in Palermo; judgment:”excellent”

1976-1979 University of Palermo: Specialty in Diseases of the Cardiovascular system Specialty diploma achieved on 10/11/1979, with the mark: 50/50 with honors, discussing a thesis on: “Electrical complications during Acute Myocardial Infarction”

1976-1978 Civico Hospital Palermo

Voluntary Hospital Training at the Cardiology Division of Civico Hospital Trainee in haemodynamics with Dr. A. Di Gaetano. He also dealt with the management of the Coronary ICU

1978-1979 Ospedale Civile of Udine: Fellow at the Cardiology Division of Ospedale Civile of Udine, headed by Prof. G. A. Feruglio He attended that Division daily, working in the cardiology ICU Professional activity

1978-1979 Ospedale Civile of Palmanova (Udine)

Hospital Assistant at the Cardiology Division of Palmanova headed by dr. Flavio Pidutti. He dealt with the diagnostic and healthcare activities of the Division

1979-2001 Civico Hospital of Palermo: Cardiologist at the Cardiology Division of Civico Hospital

- He started as Assistant Cardiologist, then Hospital Assistant (*Aiuto Ospedaliero*), then module B1 holder as in charge of the Cardiology ICU. In that position, he was given the assignment to design and implement an intensive area for the optimal management of refractory congestive heart failure, with the indication to heart transplant. He was also assigned the task to collaborate for the

implementation of the heart and lung transplantation program of the *Istituto Mediterraneo per i Trapianti e Terapie ad Alta Specializzazione* (ISMETT). He dealt with the follow up of patients transplanted at other institutes and resident in Palermo. He managed the Cardiology ICU, admitting about 700 acute coronary patients per year. He has set up a facility that allows an 'aggressive' approach against acute myocardial infarction (haemodynamic monitoring, fibrinolysis, primary angioplasty). The Center he coordinated took part in the GISSI Epidemiological studies, organized by the "Mario Negri" Research Institute of Milan and by the Italian Association of Hospital Cardiologists, ranking among the first four national Cardiology facilities as to number of patients enrolled and to quality of care.

Member of the investigating commissions or of the Scientific Committee of several Trials:

- Member of the ANMCO Working group on Epidemiology of evitable delay
- Member of the ANMCO Scientific Committee of Gissi-Prevenzione Trial: ***The Lancet August 1999, 354, 9177, pp. 447-455: Dietary supplementation with n-3 polyunsaturated fatty acids and vitamin E after myocardial infarction: results of the GISSI-Prevenzione trial*** • Member of the GISSI-2 Investigators: ***The Lancet July 1990, 336, pp.65-71:***

GISSI-2: A factorial randomized trial of alteplase versus streptokinase and heparin versus no heparin among 12490 patients with acute myocardial infarction"

- Member of the Investigating Commission on the use of the GISSI database for highlighting electrocardiography markers related to prognosis • Designer and organizer of the **STEPS** epidemiological study (Study of Precoronary times in Sicily) 1991-1992. It is an observational multicentric study (17 Sicilian Coronary Units), to survey the admission and intervention times during an Acute Myocardial Infarction in the Region of Sicily. One thousand and ninety-four patients were enrolled in one year; the epidemiology of events, the procedures adopted to achieve the therapeutic goal, and the types of treatment administered were studied. The study created a regional geographical map of the "pathways" to reach the Centers of Reference and the typology of treatment provided. It represented a regional instrument for planning the location of the Centers over the territory of the Region. The database was centralized (Division of Cardiology at *Civico Hospital*); the person above had created the software for processing and analyzing data.

1984-1985 Hopital Cardiovasculaire Louis Pradel of Lyon (France) : He carried out his activity at the Unit headed by Prof. Jaques Delaye. He dealt with the cardiology ICU, heart transplantology and invasive diagnostics. He performed right and left catheterization tests for the diagnosis of valve, myocardial, and congenital and coronary diseases. During that period he performed 150 coronary arteriograms all by himself.

2000-2003 IsMeTT – Civico Palermo: Secondment to Istituto Mediterraneo Trapianti: Since May 1st, 2000 he has been seconded to the *Istituto Mediterraneo per i Trapianti* and in charge of the Cardiology Service.

In this position, he has dealt with the cardiology work-up and follow-up of liver and kidney transplant patients and for high surgery procedures. Furthermore, also kidney and lung recipients from other facilities have been followed up.

2004- 2016 May ISMETT – Palermo: Chief of Cardiology Service on IsMeTT. He has put in place the program of Heart Transplantation, Mechanical Assist Devices and clinical and interventional cardiology

2016 June – now. Consultant of UPMC Italy. Vice President of IRCCS-ISMETT Ethics Committee (until April 2017). Coordinator of IRRB (Institutional Research Reviewers Board)

BOOKS

-Author of the chapter “*La Chirurgia dei Vizi Valvolari*” in the Treatise: “**MEDICINA CLINICA Diagnostica e Terapia**” Volume VI, pagg. 277-302, 1991 C.G.Edizioni Medico Scientifiche.

-Author of the chapters on “*Edema*” and “*Dispnea*” in the “**Trattato di Cardiologia**”, three volumes , Vol I , pagg. 241-250, 2000 published by *Excerpta Medica*

-Author of the chapters “*Richiami di Fisiologia*”, “*Farmaci antiaritmici*”, “*Nitroderivati*”, “*Anestesia*” in the Volume: **Farmaci cardiovascolari ed Anestesia, 1988** published by *Centro Studi S. Giovanni Di Dio, Roma*

PAPERS

- Bellavia D, Iacovoni A, **Scardulla C**, Moja L, Pilato M, Kushwaha SS, Senni M, Clemenza F, Agnese V, Falletta C, Romano G, Maalouf J, Dandel M. *Prediction of right ventricular failure after ventricular assist device implant: systematic review and meta-analysis of observational studies.* Eur J Heart Fail. 2017 Jul;19(7):926-946. doi: 10.1002/ejhf.733. Epub 2017 Mar 31
- Pasta S, Gentile G, Raffa GM, Scardulla F, Bellavia D, Luca A, Pilato M, **Scardulla C**. *Three-dimensional parametric modeling of bicuspid aortopathy and comparison with computational flow predictions.* Artif Organs. 2017 Feb 10. doi: 10.1111/aor.12866
- Romano G, Raffa GM, Licata P, Tuzzolino F, Baravoglia CH, Sciacca S, **Scardulla C**, Pilato M, Lancellotti P, Clemenza F, Bellavia D. *Can multiple previous treatment-requiring rejections affect biventricular myocardial function in heart transplant recipients? A two-dimensional speckle-tracking study* Int J Cardiol. 2016 Apr 15;209:54-6. doi: 10.1016/j.ijcard.2016.02.025. Epub 2016 Feb 3.
- Raffa GM, Wu B, Pasta S, Morsolini M, Bellavia D, Romano G, Falletta C, Pietrosi A, **Scardulla C**, Pilato M. *Patients with bicuspid aortic valve are likely to receive an aortic valve prosthesis during prophylactic resection of their ascending aortic aneurysm.* Int J Cardiol. 2016 Mar 1;206:97-100. doi: 10.1016/j.ijcard.2016.01.008. Epub 2016 Jan 6

- Pasta S, Phillippi JA, Tsamis A, D'Amore A, Raffa GM, Pilato M, **Scardulla C**, Watkins SC, Wagner WR, Gleason TG, Vorp DA. *Constitutive modeling of ascending thoracic aortic aneurysms using microstructural parameters*. Med Eng Phys. 2016 Feb;38(2):121-30. doi: 10.1016/j.medengphy.2015.11.001. Epub 2015 Dec 6.
- Di Gesaro G, Tortorici E, Bellavia D, Licata P, Chiarello G, Liotta R, **Scardulla C**, Clemenza F. Cardiac sarcoidosis: *Matching speckle tracking echocardiography to macroscopic Ventricular pathology (a case report)*. Int J Cardiol. 2015 Nov 6;203:753-756. doi: 10.1016/j.ijcard.2015.11.044. [Epub ahead of print]
- Scardulla F, Rinaudo A, Pasta S, **Scardulla C**. *Evaluation of ventricular wall stress and cardiac function in patients with dilated cardiomyopathy*. Proc Inst Mech Eng H. 2015 Nov 18. pii: 0954411915617984. [Epub ahead of print]
- Bellavia D, Cataliotti A, Clemenza F, Baravoglia CH, Luca A, Traina M, Gridelli B, Bertani T, Burnett JC, **Scardulla C**. *Long-Term Structural and Functional Myocardial Adaptations in Healthy Living Kidney Donors: A Pilot Study*. PLoS One. 2015 Nov 10;10(11):e0142103. doi: 10.1371/journal.pone.0142103. eCollection 2015.
- Falletta C, Fili D, Nugara C, Di Gesaro G, Minà C, Baravoglia CM, Romano G, **Scardulla C**, Tuzzolino F, Vizzini G, Clemenza F. *Diastolic dysfunction diagnosed by tissue Doppler imaging in cirrhotic patients: Prevalence and its possible relationship with clinical outcome*. Eur J Intern Med. 2015 Oct 29. pii: S0953-6205(15)00338-6. doi:0.1016/j.ejim.2015.10.009.
- Pasta S, Scardulla F, Rinaudo A, Raffa GM, D'Ancona G, Pilato M, **Scardulla C**, *An In Vitro Phantom Study on the Role of the Bird-Beak Configuration in Endograft Infolding in the Aortic Arch*. J Endovasc Ther. 2015 Oct 23. pii: 1526602815611888. [Epub ahead of print]
- Rinaudo A, Raffa GM, Scardulla F, Pilato M, **Scardulla C**, Pasta S. *Biomechanical implications of excessive endograft protrusion into the aortic arch after thoracic endovascular repair*. Comput Biol Med. 2015 Nov 1;66:235-41. doi: 0.1016/j.combiomed.2015.09.011. Epub 2015 Sep 25.
- Fili D, Falletta C, Luca A, Hernandez Baravoglia C, Clemenza F, Miraglia R, **Scardulla C**, Tuzzolino F, Vizzini G, Gridelli B, Bosch J. *Circulatory response to volume expansion and transjugular intrahepatic portosystemic shunt in refractory ascites: Relationship with diastolic dysfunction*. Dig Liver Dis. 2015 Sep 3. pii: S1590-8658(15)00609-X. doi: 10.1016/j.dld.2015.08.014. [Epub ahead of print]
- Burgio G, Martucci G, Panarello G, Scarlata M, Pastore F, Pilato M, **Scardulla C**, Arcadipane A. *Intra-Aortic Balloon Counterpulsation in High-Risk Cardiac Patients Undergoing Noncardiac Surgery: A Case Series*. J Cardiothorac Vasc Anesth. 2015 Jun 6. pii: S1053-0770(15)00559-5. doi: 10.1053/j.jvca.2015.06.010. [Epub ahead of print] No abstract available.
- Scardulla F, Rinaudo A, Pasta S, **Scardulla C**. *Mechanics of pericardial effusion: a simulation study*. Proc Inst Mech Eng H. 2015 Mar;229(3):205-14. doi: 10.1177/0954411915574012.

- Raffa GM, D'Ancona G, Romano G, Falletta C, Sciacca S, Todaro C, Tuzzolino F, Pietrosi A, Amaducci A, Clemenza F, **Scardulla C**, Pilato M. *Should device replacement be the first choice strategy in continuous-flow left ventricle assist device thrombolysis? Analysis of 9 events and results after endoventricular thrombolysis.* Int J Cardiol. 2015 Jan 15;178:159-61. doi: 10.1016/j.ijcard.2014.10.169. Epub 2014 Oct 28.
- Cannone V, Barlera S, Pileggi S, Masson S, Franzosi MG, Latini R, **Scardulla C**, Clemenza F, Maggioni AP, Nicolosi GL, Tavazzi L, Burnett JC Jr; *GISSI-HF Investigators.* *The Anp genetic variant Rs5068 and circulating levels of natriuretic peptides in patients with chronic heart failure.* Int J Cardiol. 2014 Oct 20;176(3):1249-51. doi: 10.1016/j.ijcard.2014.07.200. Epub 2014 Aug 4.
- Pasta S, Rinaudo A, Luca A, Pilato M, **Scardulla C**, Gleason TG, Vorp DA. *Difference in hemodynamic and wall stress of ascending thoracic aortic aneurysms with bicuspid and tricuspid aortic valve.* J Biomech. 2013 Jun 21;46(10):1729-38. doi: 10.1016/j.jbiomech.2013.03.029. Epub 2013 May 8.
- Baglini R, **Scardulla C.** *Reduction of a previous atrial septostomy in a patient with end-stage pulmonary hypertension by a manually fenestrated device.* Cardiovasc Revasc Med. 2010 Oct-Dec;11(4):264.e9-11. doi: 10.1016/j.carrev.2009.11.005.
- D'Ancona G, Baglini R, Clemenza F, Pirone F, Santise G, **Scardulla C**, Sciacca S, Pilato M. *Left anterior descending coronary artery bridge: contraindication to cardiac transplantation?* J Heart Lung Transplant. 2007 Jun;26(6):637-8. Epub 2007 May 2.
- Triolo F, Pietrosi G, **Scardulla C**, Gridelli B. *Transplantation and regeneration in the heart of the Mediterranean.* Mech Ageing Dev. 2007 Jan;128(1):5-8. Epub 2006 Nov 27.

ABSTRACTS (last three years)

-S. Pileggi, S. Barlera, V. Cannone, S. Masson, R. Latini, **C. Scardulla**, F. Clemenza, A. P. Maggioni, G. L. Nicolosi, L. Tavazzi, J.C. Burnett Jr, M. G. Franzosi on behalf of the GISSI-HF Investigators: *Characterization of ANP genetic variant rs5068 in Chronic Heart Failure Patients.* EAS,31 may-3 juin 2014 Madrid - European Atherosclerosis Society

-S. Pasta , S. Todaro, M.A. Sabatino, A. Ajovalasit, F. Scardulla, A. Rinaudo, G. Spadaro, D. Bulone , C. Dispenza , **C. Scardulla** : *Polysaccharide-based hydrogels for myocardium remodeling.* Congresso Nazionale della Società Italiana Biomateriali - Palermo, Hotel Borsa Palermo 2-4 Luglio, 2014

-A. Rinaudo, BS, F. Scardulla, BS , S. Pasta, PhD , **C. Scardulla**, MD : *Cardiac Mechanics of Left Ventricular NonCompaction by Finite Element Modeling* 7th World Congress of Biomechanics from July 6-11, 2014, Boston (USA)

-G. Di Gesaro, G. Santise, G. Raffa, C. Mina, C. Falletta, F. Clemenza, M. Pilato, **C. Scardulla**: *A massive endoventricular thrombosis in a motionless heart: importance of transesophageal echocardiography during extracorporeal membrane oxygenator support* . Euro-Echo Istanbul 2 maggio 2013

-**C. Scardulla**, C.H. Baravoglia, C. Minà, C. Falletta, G. Di Gesaro: *Analisi dei dati ad un anno di arruolamento di una popolazione ambulatoriale inizialmente inviata per immissione in lista trapianto e stabilizzata dopo ottimizzazione della terapia*. ANMCO 2013, giugno, Firenze

-P. Rossignol, S. Masson, S. Barlera, A. Castelnovo, **C. Scardulla**, G. Tognoni, I. Anand, J.N. Cohn, L. Tavazzi, R. Latini, *on the behalf of GISSI-HF and Val-HeFT Investigators*: *Body weight loss is an independent risk factor for mortality in chronic heart failure. Insights from GISSI-HF and Val-HeFT*. ESC Congress 2013 31 Aug 2013 - 04 Sep 2013 , Amsterdam – Netherlands

-V. Cannone, S. Barlera, S. Pileggi, S. Masson, M.G. Franzosi, R. Latini, **C. Scardulla**, F. Clemenza, A.P. Maggioni, G.L. Nicolosi, L. Tavazzi, J. C. Burnett: *The Anp Genetic Variant Rs5068 Is Associated With Higher Circulating Concentrations Of Natriuretic Peptides In Patients With Chronic Heart Failure* 17th Annual Scientific Meeting of the HFSA, sept 22-25 sept, 2013 Orlando Florida

-A. Vieni, C. Minà, C. Hernandez Baravoglia, F. Clemenza, **C. Scardulla**: *The Rule of Myocardial Perfusion Imaging in Coronary Allograft Vasculopathy: A Post Heart Transplant Protocol Proposal*. American Society of nuclear Cardiology , sept 26-29, 2013, Chicago

-C. Falletta, D. Fili', C. Hernandez-Baravoglia, G. Vizzini, G. Di Gesaro, C. Minà, F. Tuzzolino, A. Luca, F. Clemenza, **C. Scardulla**, J. Bosch : *Risposta emodinamica all'espansione di volume ed al TIPS in pazienti cirrotici con ascite refrattaria: mancanza di evidenza di cardiomiopatia del cirrotico*. ANMCO 2013, giugno, Firenze

-C. Minà, C. Falletta, G. Di Gesaro, C.M. Hernandez Baravoglia, G. Romano , C. Ruperto, F. Clemenza, **C. Scardulla**: *Complicanze Emorragiche Del Tratto Gastrointestinale Nei Pazienti Portatori Di L-Vad A Flusso Continuo* . ANMCO 2013, giugno, Firenze

-C. Hernandez Baravoglia, F. Clemenza, C. Minà, C. Falletta, G. Di Gesaro, C. Ruperto, G. Romano, **C. Scardulla**: *Studio retrospettivo di epidemiologia dell'impianto dell'ICD in una popolazione riferita ad un Centro di Scompenso di III livello. Analisi del fenomeno di recupero di funzione (FE > 35%)*. ANMCO 2013, giugno, Firenze

-G. Di Gesaro, F. Clemenza, C.M. Hernandez Baravoglia, C. Falletta, C. Minà, G. Romano, C. Ruperto, M. Pilato, **C. Scardulla**, *Analysis Of Factors Influencing Outcomes In Heart Transplantation: The Experience Of A Transplant Center In The Mediterranean Basin*. European Society for Organ Transplantation Sept. 8-11, 2013 Vienna

-C. Minà, F. Clemenza, C. Falletta, M.L. Balsamo, G. Di Gesaro, **C. Scardulla**, P. A. Grossi, *Heart transplantation in two HIV-infected patients*. European Society for Organ Transplantation Sept. 8-11, 2013 Vienna

-G. Romano, G. Di Gesaro, G. Sgarito, U. Giordano, C. Mina, C. Ruperto, F. Clemenza, **C. Scardulla**: *Successful radiofrequency ablation therapy for refractory ventricular tachycardia in a patient with left ventricular assist device*. European Society of Cardiology - Heart Failure Congress Lisboa May 25-28, 2013

- G. Di Gesaro, G. Romano, CM. Hernandez Baravoglia, C. Falletta, A. Amaducci, R. Baglini, F. Clemenza, **C.Scardulla**: *The combined strategy in patient with angiodysplasia and Left Ventricular Assist Device thrombosis*. European Society of Cardiology - Heart Failure Congress Lisboa 25-28 Maggio
- C. Falletta, D. Fili', CM. Hernandez Baravoglia, G. Di Gesaro, C. Mina', F. Tuzzolino, A. Luca, F. Clemenza, **C.Scardulla**, J. Bosch: *Hemodynamic response to volume expansion and TIPS in cirrhotic patients with refractory ascites: lack of evidence of a relevant cirrhotic cardiomyopathy*. European Society of Cardiology - Heart Failure Congress Lisboa 25-28 Maggio
- D. Bellavia, C. Hernandez-Baravoglia, A. Cataliotti, F. Clemenza, T. Bertani, A. Luca, B. Gridelli, J. Burnett, **C. Scardulla**: *Preserved Myocardial Structure And Function In Long Standing Kidney Donors*. European Society for Organ Transplantation Sept. 8-11 Vienna
- S. Pasta, F. Scardulla, **C. Scardulla** : *Impact Of Pericardial Effusion On Cardiac Mechanics In Patients With Dilated Cardiomyopathy*. 3rd INTERNATIONAL CONFERENCE on simulation and modelling methodologies and applications - 29-31 July 2013 Reykjavik – Iceland
- S. Pasta, F. Scardulla, **C. Scardulla**: *Impact Of Pericardial Effusion On Cardiac Mechanics In Patients With Dilated Cardiomyopathy* . The Fifth International Conference on Computational Bioengineering (ICCB). 11-13 Sept. 2013 Leuven (Belgium)
- C. Minà , C. Falletta, G. Romano, M. Pilato, F. Clemenza, **C. Scardulla**: *Donors Population Characteristics Of A Sicilian Heart Trasplant Center*: Saudi International Congress on New Frontiers in Organ Transplantation 2013 4-7 march, 2013, Riad.
- G. Di Gesaro, C.M. Hernandez Baravoglia, C. Ruperto, M. Pilato, F. Clemenza, **C. Scardulla** : *Recipient Population Characteristics Of A Sicilian Heart Trasplant Center*. Saudi International Congress on New Frontiers in Organ Transplantation 2013 4-7 march, 2013, Riad.
- G. Di Gesaro, G. Romano, A. Amaducci, C. Falletta, C.M. Hernandez Baravoglia, C. Minà, C. Ruperto, GL. Santise, S. Sciacca, M. Pilato , R. Baglini, **C. Scardulla**, F. Clemenza: *Fibrinolisi endoventricolare in un caso di trombosi di assistenza ventricolare sinistra*. 73° CONGRESSO NAZIONALE della Società Italiana di Cardiologia Roma, 15 – 17 dicembre 2012

INVITED LECTURES

- C. Scardulla** MD, S. Pasta PhD: *Valutazione Biomeccanica dell'Aneurisma dell'aorta ascendente*. Invited lecture Politecnico Mox di Milano 11, marzo 2014
- C.Scardulla**: *Attività cliniche del Dipartimento Cardiotoracico: risultati, piano di miglioramento e obiettivi 2015*, ISMETT Nov 14, 2014
- C.Scardulla**: *Il trattamento conservativo. Workshop su Trattamento degli Aneurismi dell'Aorta Toracica*, Palazzo Branciforte Palermo, Oct 24, 2014
- C.Scardulla** : *Healing and regenerating broken hearts: special forces for new battles*. Congresso Nazionale della Società Italiana di Chimica per l'Ingegneria. Favignana, giugno 13, 2013

- C.Scardulla:** *Bridge over trouble waters. Connecting doctors and engineers.* Presentazione del Master in Biotecnologia, Facoltà di Ingegneria, Aula Magna, Palermo 2013
- C.Scardulla:** *La Comunicazione nelle Procedure Interventistiche: Un Approccio Spesso Carente.* Congresso Regionale Associazione Italiana di Aritmologia e Cardiostimolazione, Palermo, 09-09-2013
- C.Scardulla:** *E' possibile migliorare la funzione sistolica depressa?* Approccio multidisciplinare allo scompenso cardiaco. Febbraio 2013, Mondello (Palermo)
- C.Scardulla:** *"Pre-operative cardiac risk assessment in non-cardiac surgery"* . 3° Mediterranean Transplantation Anesthesiology and Symulation Symposium , Palermo April 2013
- C.Scardulla:** *Mechanisms underlying onset and progression of cachexia* . Congress on Cachexia. ISMETT Palermo . Luglio 2012
- C.Scardulla :** *Computational models used to describe complex phenomena in medicine: A new approach to medical research (Part. I). Lecture in ISMETT Inaugurazione Master di bioingegneria - Università di Palermo – 22 Sept. 2012*
- C.Scardulla :** *Computational models used to describe complex phenomena in medicine: A new approach to medical research (Part. II). Lecture in Università degli Studi Di Palermo. Facoltà di Ingegneria. Aula Capitò. Invited Lecture. 22 Oct. 2012*
- C.Scardulla:** *Diagnosi dell'ipertensione Polmonare. Workshop internazionale Castello Utveggi-Cerisdi: Ipertensione polmonare nelle pneumopatie vascolari e parenchimali.* 30 Nov.-2012 Palermo
- C. Scardulla:** *Le insufficienze terminali d'organo.* Congresso INPS "Oltre il Trapianto d'Organo". Palermo, Hotel San Paolo 26 Sept. 2012
- C. Scardulla:** *Le procedure mini-invasive.* Congresso INPS "Oltre il Trapianto d'Organo". Palermo, Hotel San Paolo 27 Sept. 2012
- C.Scardulla:** *Presentazione di un programma di ricerca sull'apparato cardiovascolare.* Lecture, Ismett. sept 21,2012
- C.Scardulla:** *La cachexia nello scompenso cardiac avanzato* . VII Congresso Approccio Multidisciplinare allo Scompenso Cardiaco, Mondello (PA) Palace Hotel 11-02-2012
- C.Scardulla :** *Trapianto Cardiaco: Epidemiologia descrittiva di una Popolazione sottoposta a Trapianto Cardiaco in Sicilia Occidentale. Particolarità dell' Area geografica in esame. Congresso: I primi 40 anni di Cardiologia a Catania, Catania 28-11-2009*
- C.Scardulla:** *Epidemiologia descrittiva di una Popolazione sottoposta a Trapianto Cardiaco in Sicilia Occidentale.* Congresso di Cardiologia Interventistica, 28-29 maggio 2009. Sciacca (AG)
- C.Scardulla:** *Hypertensive emergencies* . ISMETT Lecture 2009
- C. Scardulla:** *Il Trapianto Cardiaco nel Mondo Reale.* Congresso di Emodinamica e Cardiologia Interventistica, Sciacca (AG) 2008
- C.Scardulla:** *Cell Transplantation Therapy for Heart Failure. New Frontiers in Cell-based Research and Therapy at ISMETT, ISMETT, May 30, 2007*
- C.Scardulla:** *Myocardial Infarction.* Lecture, ISMETT 2007
- C.Scardulla:** *Pesce azzurro, olio di pesce, cuore.* CNR Palermo. Invited Lecture, 2008
- C.Scardulla:** *Pleiotropic Effects of Statins.* ISMETT Feb 15,2007

- C.Scardulla:** *Ageing*. ISMETT Feb. 2007
- C.Scardulla:** *Lo screening e l'iter diagnostico dell'ipertensione polmonare* Corso teorico-pratico avanzato – ISMETT Palermo 16 giugno 2006 ISMETT, Palermo
- C.Scardulla:** *La Medicina del (prossimo) futuro*. ISMETT Lecture, Sept. 2005
- C.Scardulla:** *Programma integrato: dal territorio all'impiego delle cellule staminali. Vent'anni di Trapianti di Cuore: Ministero della Salute – Centro Nazionale Trapianti, Padova 14 nov. 2005*
- C.Scardulla:** *Oltre il centesimo trapianto di cuore: obiettivi raggiunti e prospettive future*. Mondello, Palace Hotel, sabato 29 giugno 2013

Educational Activity. Institutional Mandates

He taught Cardiology at the Nursing School of USL 58 in Palermo in the following years: 1980-1981, 1981-1982, 1982-1983

He realized several interactive CD on Cardiology arguments to improve the IsMeTT Educational Program.

Member of the D.A. 8050 Commission of 10/18/93, set up for assessing Cardiosurgical activity in Sicily.

Research activity

-**Study on the Transplant of progenitor Cells** from the autologous bone marrow in Advances Heart Failure – Protocol Approved from Ethical Committee il 14/06/2005 Pr. 09/CE/2005

-**Bioreactors for Human Bone Marrow cells Long Term Cultures**. Approved by IsMeTT Eth. Committee on 2006, December

-**Effects of statins on islet transplantation** in mices with diabetes II (2007)

-**Effects on diastolic function of cirrhotic patients** proposed for TIPS procedure and submitted to a fluid loading test (2007)

-**HF-HM project:** *Heart Failure Home Monitoring (System for the Prevention of Hospitalization) 2010*

-**CoMe bac project:** Approccio fisiopatologico e traslazionale alla insufficienza terminale d'organo. Costituzione e Management di una banca biologica e progetto pilota su cachessia nella insufficienza cardiaca grave.(ISMETT in Cooperation with Istituto Mario Negri di Milano and MayoClinic Rochester) October 2011

-**Hemodynamic and Biomarkers for Clinical Risk Stratification of Ascending Thoracic Aortic Aneurysm with Bicuspic Aortic Valve”** Progetto di Ricerca Finalizzata ex Artt. 12 e 12-bis del D.Lgs Nr. 502/1992 (come modificato e integrato dal D.Lgs Nr. 229/1999) – esercizio finanziario 2011-2012 . Grant Nr. **144/GR-2011-02348129 – Awarded**

-**RiVeR project** (Right Ventricular Failure Risk Prediction in Patients Referred for Left Ventricular Assist Device Implantation) . Personalised Multi-Factorial Clinical Decision Making in Complex Surgical Interventions Horizon 2020-PHC-2015. Coordinating Person.

-Improved Ischemic Ventricular Wall Remodeling with Bi-layer Polyurethane - Extra Cellular Matrix Scaffolds – Programma "SIR" Decreto del 23 gennaio 2014 prot. n. 197

Proposal number: RBSI14IB22. Member of Task : Data analysis, surgeries, assessment of cardiovascular function, animal care, biological assay.

-Bleeding and Heartware LVAD. A collaborative project based on computational modeling of mechanisms involved. ISMETT- RIMED- University of Palermo- Politecnico Mox of University of Milan. (Elaboration of preliminary data).

Membership

- ANMCO - Associazione Nazionale Medici Cardiologi Ospedalieri
- ESC - European Society Of Cardiology
- Member of ISMETT Therapies and Medical Supply Committee (T&MS)
- Member of ISMETT IRRB
- Member of TAVI (Transcatheter Aortic Valve Implantation) – Civico
- Member of ISMETT-Civico Tumor Board
- Member (Vice President) of IRCCS-ISMETT Ethics Committee
- Member of the board of Directors of Distretto Micro-Nano Tecnologico Sicilia

Academic Appointment:

- From July 1, 2014, Assistant Professor of Surgery in the School of Medicine, Department of Surgery , University of Pittsburgh, Pennsylvania
- December 2006-2011 : Appointed to University of Palermo, School of Medicine, Department of Cardiology, for Heart Transplant Cardiology
- 2006-2007-2009: Professor of “Biotech applications for the treatment of cardiac diseases” On II Level Master on “Biotechnology : ricerca applicata, management ed impresa “, (from Academic Years: 2006-2007; 2007-2008; 2008-2009; 2009-2010)

Palermo, May 22, 2018

Cesare Scardulla MD