

CURRICULUM VITAE

Prof. ALFREDO R. GALASSI

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Surname GALASSI

First / second name ALFREDO / RUGGERO

Nationality Italian

Date and place of birth 10-8-1960 Catania, Italy

Languages Italian (mother tongue), written and spoken English.

Qualification

- **Degree in Medicine and Surgery**, University of Catania Medical School, 1978-1984 graduated (2 July 1984) with the grade 110/110 with distinction, with the following graduation thesis “La cardiostimolazione permanente” Chairman Prof. F. Sorrentino.

- **Qualifying Examination in Medicine and Surgery** for medical practice, University of Catania 1984.

- **Associate Professor of Cardiovascular Disease**, Faculty of Medicine and Surgery, University of Catania, Department of Internal Medicine e Systemic Disease, from the 1st December 2006- 30 Giugno 2019.

- **Senior Consultant in Interventional Cardiology**, at the University of Zurich, from 1 February 2014 till 1 February 2018 with an employment contract, with both teaching activity of interventional cardiology devoted to fellows and cardiologists and research activity in the field of chronic total occlusions.

- **Research Physician** for Insel Group AG, University Hospital of Cardiology, Bern Swiss Cardiovascular Center, Bern, Switzerland from May 2018 – December 2018.

- **Full Professor of Cardiovascular Disease**, Faculty of Medicine and Surgery, University of Palermo, Department of Health Promotion mother and child care, Internal Medicine and medical Specialties 1 Luglio 2019 - onwards

- **Honorary Consultant Cardiologist** at the Royal Brompton & Harefield NHS Foundation Trust London, United Kingdom since 2019 - onwards

Post-Doctorate Qualification

- **Diploma in Cardiology**, course at Hammersmith Hospital, Royal Postgraduate Medical School, University of London, United Kingdom 1985-1986 and awarded (19 July 1986) the Diploma in Cardiology by the University of London with the following graduation thesis “Guidelines for rationale therapy of unstable angina” Chairman Prof. A. Maseri.

- **Specialization in Cardiology**, University of Catania 1984-1988 and awarded (25 November 1988) the Diploma of Specialization in Cardiology with the grade 50/50 with distinction, with the following graduation thesis “Evaluation of the different response of antianginal drugs during exercise testing in patients with chronic stable angina” Chairman Prof. G. Giuffrida.

- **Specialization in Nuclear Medicine**, University of Bologna, 1988-1991 and awarded (10 July 1991) the Diploma of Specialization in Nuclear Medicine with the grade 66/70, with the following graduation thesis “Measurements of regional myocardial perfusion by positron emission tomography with $H_2^{15}O$ in patients with coronary artery disease; comparative assessment with single photon emission tomography and $e^{99m}Tc-MIBI$ ” Chairman Prof. A. Abbati.

- **Awarded the Qualification as Associate Professor** at Faculty of Medicine and Surgery, University of Rome “La Sapienza”, 17 August 2006.

- **Awarded the National Qualification as Full Professor of Cardiology**, National Scientific Abilitation N. 1532/2016, Diseases of the Cardiovascular and Lung System, 1 August 2017 - 1 August 2023.

Appointments and Education

5 August - 30 September 1984. Internal medical doctor at the Department of Cardiovascular Surgery, Stanford University School of Medicine, Stanford, USA.

1 October 1986 - 10 September 1991. Employed full time and paid as **Research Fellow/Registrar** with clinical responsibilities in the diagnostic work up and management of patients with cardiovascular diseases in the Cardiovascular Research Unit of the Department of Medicine, Royal Postgraduate Medical School, Hammersmith Hospital, London, United Kingdom. His supervising Consultant has been Professor Attilio Maseri MD, FRCP, Sir John McMichael Professor of Cardiovascular Medicine.

6 October 1988 - 25 September 1990. During this period he has been also working as research investigator, in the Medical Research Council, Cyclotron Unit, Hammersmith Hospital, under the supervision of Dr Terry Jones DSc. His research projects were also performed in conjunction with the Nuclear Medicine Section of the Department of Diagnostic Radiology, Hammersmith Hospital under the supervision of Professor J P Lavender, MB ChB FRCR FRCP.

1 October 1992 - 22 December 1994. Internal medical doctor in the Institute of Internal Medicine and Geriatrics, University of Catania, under the supervision of Prof. L. Motta. During this period he has been involved in research project and diagnostic work up and management of patients with cardiovascular diseases.

23 December 1994 – 5 December 1996. Registrar in the Institute of Cardiology, Ferrarotto Hospital, University of Catania, under the supervision of Prof. G. Giuffrida, full Professor of Cardiology.

27 May 1996 – 5 December 1996. Senior registrar appointee in the Institute of Cardiology, Ferrarotto Hospital, University of Catania, under the supervision of Prof. G. Giuffrida, full Professor of Cardiology.

6 December 1996 – 30 July 1999. Senior Registrar in the Institute of Cardiology, Ferrarotto Hospital, University of Catania, under the supervision of Prof. G. Giuffrida, full Professor of Cardiology.

January 1995 – October 1999. During this period he has been also working as research investigator, in the Institute of Radiology of the University of Catania, under the supervision of Prof. Salvatore Musumeci, full Professor of Nuclear Medicine.

From 31 Luglio 1999 to 30 November 2006. Senior Registrar, in the Institute of Cardiology, Ferrarotto Hospital, University of Catania; he was the Director of Diagnostic and Cardiovascular Interventional Laboratory, Clinical Division of Cardiology, Ferrarotto Hospital from the 15th December 2005.

From 1994 to 31 July 2011. During this period Prof. Galassi has performed more than 2696 invasive diagnostic angiographic procedure (diagnostic coronary angiogram, angiographic arterial examination, endomyocardial biopsy), 2180 percutaneous coronary interventions (as first operator with and without the use of stents, complex angioplasty such as elective chronic total occlusion, bifurcation lesions, left main trunk stenosis, or acute myocardial infarction) and 26 implants of temporary pacemakers under the direction of Professor G. Giuffrida from 1994 to 2003 and Professor C. Tamburino in 2004 in the Diagnostic and Cardiovascular Interventional Laboratory at the Clinical Division of Cardiology, Ferrarotto Hospital, University of Catania, that he has directed since December 15th, 2005. Furthermore, he has taught and performed interventions for n° 203 days (95 in Italy e 203 abroad) treating a total of 570 patients.

From the 1st December 2006 – onwards. Associate Professor of Cardiovascular Medicine, Faculty of Medicine and Surgery, University of Catania, Department of Clinical and Experimental Medicine (former Department of Medical Sciences and Pediatrics).

From August 1st 2011 to April 6th 2016. University Medical Director at the Clinical Division of Cardiology, Cannizzaro Hospital. **From September 6th 2011 to August 6th 2015.** Director of Diagnostic and Cardiovascular Interventional Unit, Cannizzaro Hospital. During this period Prof. Galassi has carried out his diagnostic, interventional and didactic activities for a total of over 1574 procedures.

From 7 April 2016 – 30 June 2019. University Medical Director at the Unit of Cardiology, University Hospital Policlinico, Vittorio Emanuele, within the Vascular-Cardiothoracic and Transplant Department.

From November 1st 2016 to October 31st 2018. Sabbatical year art 17 DPR 382/80 as modified. During this period, interventional and didactic activities were carried out (live courses, lectures and international meetings) for a total of over 741 procedures of complex coronary lesions (common trunks and bifurcations) and chronic coronary occlusions.

From November 1st 2018 to January 1st, 2019. On duty at the Unit of Cardiology, University Hospital Policlinico, Vittorio Emanuele, within the Vascular-Cardiothoracic and Transplant Department.

From January 2nd 2019 to December 17th, 2019. Paid mobility for research activities at the Royal Brompton & Harefield NHS Foundation Trust, London, UK, with an agreement between the Hospital and the Department of Clinical & Experimental Medicine of the University of Catania.

From July 1st 2019 – onwards. Full Professor of Cardiovascular Disease, Faculty of Medicine and Surgery, University of Palermo, Department of health Promotion mother and child care, Internal Medicine and medical Specialties, PROMISE, Policlinic Paolo Giaccone, Palermo.

Scholarships

1 June 1987 - 30 September 1987. Recipient of an ARMED fellowship, awarded for research on "Syndrome X" within the Cardiovascular Research Unit of the Royal Postgraduate Medical School of Hammersmith Hospital, London. The fellowship was awarded on the basis of titles and examination.

1 June 1988 - 30 September 1988. Recipient of an ARMED fellowship, awarded for research on "mechanism of action of calcium channel blockers and beta-blockers in chronic stable angina" within the Cardiovascular Research Unit of the Royal Postgraduate Medical School of Hammersmith Hospital, London. The fellowship was awarded on the basis of titles and examination.

1 June 1990 - 30 May 1992. Recipient of a **Consiglio Nazionale Ricerche** fellowship, (Law 1/08/88 no.326 Comitato Nazionale per le Scienze Biologiche e Mediche) Institute of Medical Radiology, Institute of Bioimages e Physiopathology of Central Nervous System,

University of Catania. During the period January 92 - July 92 he has been also working as research investigator in the Institute of Nuclear Medicine and Consiglio Nazionale Ricerche, San Raffaele Hospital, Milan under the supervision of Prof. F. Fazio.

Continuing Education Courses

10 - 11 March 1999. He attended the course on radiation protection “Corso di formazione in materia di radioprotezione” with final examination, at “Azienda Ospedaliera Vittorio Emanuele, S. Bambino e Ferrarotto di Catania”.

15 November 2002. Attendance at the Course on “Il miglioramento della qualità nelle strutture sanitarie: rilevanza dell’azione di coinvolgimento diffuso degli operatori”, which was held at Vittorio Emanuele, Ferrarotto, S. Bambino, Hospital.

Research projects

Prof Galassi was coinvestigators of the following research projects at the Division of Cardiology, Department of Internal Medicine and Systemic Disease of the University of Catania.

1996-1997. Subinvestigator in the randomized, double blind, multicentric project, INTIME. (Intravenous nPA for Treatment of Infarcting Myocardium Early). The objective of the study was to assess the safety and efficacy of the IV injection of nPA to reperfuse an acute myocardial infarction. The work has been published on *Circulation* 1998; 98: 2117-25. List of investigators are reported from page 2122 to page 2124.

1999-2003. Coinvestigator in the multicentric project ACTOR (The Aggressive versus Conservative Treatment Of infarct Related artery after acute myocardial infarction)-OAT (Occluded Artery Trial). A Study proposed by the Italian Society of Invasive Cardiology and from ANMCO which drained in the multicentric american study OAT. The objective of the study was to assess if the reopening of the necrotic vessel within 1 month from infarction and without symptoms, might provide a reduction of cardiovascular events at a 3 years follow-up. Achievement of the title of “Excellent Result” on the 30 September 2005. The design and methodology of the study have been published

on the American Heart Journal 2005; 150: 62-42, (prof Galassi is among investigators pag 635) while the final study has been published on the NEJM 2006, 235, N23 in its appendix prof Galassi as investigator of the study is named on page 6).

2000-2001. Coinvestigator in the multicentric project TRENDS (Tetra Randomised European Direct Stenting Study) (Randomised evaluation of the ACS multilink TETRA coronary stent system in the treatment of patients with de novo and restenotic native coronary artery lesions using a pre-dilatation versus no predilatation implantation strategy). The objective of the study was to assess the efficacy of the TETRA stent using a predilatation and non-predilatation strategy during PTCA procedure. The work has been published on the American Journal of Cardiology 2006; 98: 316-21.

2001. Coinvestigator in the Euro Year Survey on Coronary Revascularization and Chronic Angina. The objective of the study was to execute a survey among all European countries about the revascularization modalities for patients with ischemic heart disease in order to improve the quality of life and decrease cardiovascular diseases. The work has been published on the European Heart Journal 2005; 26: 1169-79. Prof Galassi is among investigators at pag 1177.

2001-2002. Coinvestigator in the multicentric project SAFE (Sorin and Aspirin Following Elective stenting). The objective of the study was to assess the efficacy of two different antithrombotic regimens (only aspirin or aspirin + ticlopidine or clopidogrel) in regards to thrombosis and vascular complications during PTCA with a new type of carbon stent (carbostent). The work has been published on the American Journal of Cardiology 2007; 99: 1062-66. Prof Galassi is among principal authors and investigators as reported at page 1066.

2001-2003. Coinvestigator with a three years contract for the research project assigned by the European Union for the V Programma Quadro which title is "Enhanced Personal, Intelligent and Mobile System for Early Detection and Interpretation of Cardiological Syndromes - EPIMEDICS". The work has been published on the Journal of Electrocardiology, 38; 2005: 100-106. Prof Galassi is among principal authors of the study and as representative of the University of Catania, as per contract for occasional work signed on the 2 of January 2001.

2002. Coinvestigator in the Euro Year Survey on Angina Pectoris. The objective of the study was to execute a survey among all European countries regarding the admission modalities for patients with angina pectoris in order to provide improvement in quality of life and decrease the impact of cardiovascular diseases. The work has been published on the European Heart Journal 2005; 26: 996-1010. Prof Galassi is among investigators at page 1008.

2003. Coinvestigator in the REALITY trial. This was a prospective randomized multicenter comparison of the Cypher Sirolimus-eluting and the Taxus Paclitaxel-eluting stent systems. The objective of the trial is to compare the efficacy of two different types of eluting stents in patients with coronary artery disease who underwent revascularization procedures. The work has been published on JAMA 2006, 295 (8): 895-904.

2003. Coinvestigator in the IDEA (The Italian Drug Evaluation in Angioplasty). This is a registry which has evaluated the pharmacological therapy during procedures of coronary revascularization, in 79 centres evenly distributed on the national territory. On behalf of the IDEA Survey investigators and the Italian Society of Invasive Cardiology – GISE. The work has been published on the Italian Heart Journal 2005; 6 (2): 106-118. Prof Galassi is among principal authors and investigators as reported at page 116.

2003-2007. Principal Investigator in the FINESSE trial (Facilitated Intervention with Enhanced reperfusion Speed to Stop Events). This is a multicenter randomized double blind placebo controlled trial for patients presenting with ST segment elevation myocardial infarction. The objective of the trial is to demonstrate that rapid administration of aspirin, abciximab, reteplase, and heparin followed by early catheterization and intervention, when not contraindicated, is superior to the administration of aspirin and heparin followed by diagnostic angiography and primary intervention with abciximab after angiography when not contraindicated. The work has been published on Journal of the American College of Cardiology Intv 2010; 3: 1284-91. Prof Galassi is among principal authors and investigators as reported in the statement of investigator.

2008-2011 Principal Investigator of the IRCTO (Italian Registry on Chronic Total Occlusion). This is an observational Registry executed among 61 Italian centers whose objective was that of assessing prospectively the prevalence, therapeutic choices, and short and mid-term prognosis (up to 3 years) of patients with angiographic evidence of a chronic

total occlusion in a major coronary artery. The work has been published on the European Heart Journal. Tomasello SD, Boukhris M, Giubilato S, Marzà F, Garbo R, Contegiacomo G, Marzocchi A, Niccoli G, Gagnor A, Varbella F, Desideri A, Rubartelli P, Cioppa A, Baralis G, Galassi AR. Management strategies in patients affected by chronic total occlusions: results from the Italian Registry of Chronic Total Occlusions. Eur Heart J 2015; 36: 3189-3198 (IF 15.203).

2008-2011 Study Coordinator of the ERCTO (European Registry on Chronic Total Occlusion). This is a observational web based registry executed among 23 european operators whose objective was that of assessing retrospectively patients with angiographic evidence of a chronic total occlusion in a major coronary artery, who underwent revascularization by coronary angioplasty and retrograde approach: percentage of revascularization success, techniques of choice, and short and mid-term prognosis (up to 3 years) are going to be evaluated in this registry. The work has been published on the Journal of the American College of Cardiology 2015; 65 (22): 2388-400 (IF 15.32) and signed by prof Galassi as senior author.

2011-2014 Principal Investigator in the Board of Steering Committee of the EURO CTO Trial (A Randomized Multicentre Trial to Evaluate the Utilization of Revascularization or Optimal Medical Therapy for the Treatment of Chronic Total Coronary Occlusions). This is a randomized study, executed by expert CTO operators around Europe, members of the EURO CTO club, who assess the efficacy and safety of percutaneous revascularization for chronic total coronary occlusions (CTO) in comparison to medical therapy in patients with coronary artery disease and stable angina pectoris. The results of the study have been presented as Late Breaking Trials at the European Congress of Cardiology 2017.

Participation in the creation of new companies (spinoff), development, use and commercialization of patents

The undersigned Prof Alfredo Galassi, who has conducted several research projects with the aid of the intracoronary ultrasound energy system for the unblocking of coronary chronic total occlusions (Galassi AR, SD Tomasello, Costanzo L, Campisano MB, Marza F, Tamburino C. recanalization of complex coronary chronic total occlusions using the high-frequency vibrational energy CROSSER catheter as first-line therapy: a single center experience. J Interv Cardiol 2010; 23: 130-38.) has participated as principal investigator, to the drafting of a nonprofit protocol called "Cardioprolific for the interventional treatment of de novo coronary lesions and small-vessels whose development has been approved by the Ethics Committee for clinical trials of Cannizzaro, with the resolution N.2559 dated 22/10/2013. Specifically, the protocol states that the ultrasonic energy is employed in combination with the topical intracoronary administration of an antiproliferative drug in patients with stent restenosis or with de novo coronary lesions in coronary arteries with less than 2.25 mm diameter. Based on these studies and researches the Cardioprolific Inc Reno, NV, USA has developed and has approved in quality of Assignee the Patent No: US 9,375,223 B2 dated June 28, 2016, for the application of such a device in the coronary and vascular field. Thanks to these research studies and clinical outcomes obtained also in the peripheral field, as of June 29th 2017, CardioProlific Inc. operates as a subsidiary of Koninklijke Philips N.V.

Partecipazione to research boards, review articles or expert reviews and consensus documents, national and international

1. Indolfi C, Berardi F, Bolognese L, Danzi GB, Galassi AR, Della Grazia E, Montinaro A, Paloscia L, Vassanelli C, Bartorelli A, Klugman S, Petronio AS, Scherillo M, Marzilli M. Consensus Conference italiana sui “drug-eluting stents”. *Ital Heart J Suppl* 2004; 5 (1); 64-70.
2. Di Mario C, Werner GS, Sianos G, Galassi AR, Buttner J, Dudek D, Chevalier B, Lefevre T, Schofer J, Koolen J, Sievert H, Reimers B, Fajadet J, Colombo A, Gershlick A, Serruys PW, Reifart N. European perspective in the recanalization of chronic total occlusion (CTO): consensus document from the EuroCTO Club. *EuroInterv*, 2007; 3: 30-43. **IF 3.285**.
3. Louvard Y, Thomas M, Dzavik D, Hildick-Smith D, Galassi AR, Pan M, Burzotta F, Zelizko M, Dudek D, Ludman P, Sheiban I, Lassen JF, Darremont O, Kastrati A, Ludwig J, Iakovou I, Brunel P, Lansky A, Meerkin D, Legrand V, Medina A, Lefèvre T. Classification of coronary artery bifurcation lesions and treatments: time for a consensus. *Catheter Cardiovasc Interv* 2008; 71: 175-183. **IF 2.363**
4. Sianos G, Werner GS, Galassi AR, Papafaklis MI, Escaned J, Hildick-Smith D, Christiansen EH, Gershlick A, Carlino M, Karlas A, Kostantinidis NV, Tomasello SD, Di Mario C, Reifart N. Recanalization of Chronic Total coronary Occlusions: 2012 consensus document from the Euro CTO club. *EuroInterv* 2012; 8: 139-45. **IF 3.285**
5. Galassi AR, Brilakis ES, Boukhris M, Tomasello SD, Sianos G, Karpaliotis D, Di Mario C, Strauss BH, Rinfret S, Yamane M, Katoh O, Werner GS, Reifart N. Appropriateness of percutaneous revascularization of coronary chronic total occlusions: an overview. *Eur Heart J* 2016; 37 (35): 2692-700. **IF 15.203**.
6. Galassi AR, Sumitsuji S, Boukhris M, Brilakis ES, Di Mario C, Garbo R, Spratt JC, Christiansen EH, Gagnor A, Avran A, Sianos G, Werner G. Utility of intracardiac ultrasound in percutaneous revascularization of chronic total occlusions: an overview. *JACC Intv* 2016 *J Am Coll Cardiol Intv*. 2016; 9 (19): 1979-9.1 **IF 7.630**.

Fellowship

September 1994. European Society of Cardiology” (FESC)

August 1995. American College of Cardiology” (FACC)

May 1999. (Associazione Nazionale Medici Cardiologi Ospedalieri) (FANMCO)

October 2002. Italian Society of Invasive Cardiology– (Gruppo Italiano di Studi Emodinamici – GISE)

May 2005. Society for Cardiovascular Angiography and Intervention (FSCAI)

Diploma

December 2002. "Scholar in Cardiologia" of the Italian Society of Cardiology

Prizes in Cardiology

April 1988. Young Research Prize "Giornate Cardiologiche Romane" on the topic ischemic heart disease

December 1989. 1^o Young Research Prize of the "Societa' Italiana di Cardiologia" on the topic ischemic heart disease

May 1994. Young Research Prize "Giornate Cardiologiche Romane" on the topic Nuclear Cardiology.

Editorial Board Nomination in Peered Reviewed Journal

2002. Italian Heart Journal

2004. “Giornale Italiano di Cardiologia Pratica”/ Italian Journal of Practice Cardiology

2016. European Heart Journal

2016. Cardiovascular Medicine

2016. Heart Health Circulation

Reviewer of Peered Reviewed Journal

- American Journal of Cardiology
- Italian Heart Journal
- Journal of the American College of Cardiology
- EuroIntervention
- International Journal of Cardiology
- Cardiovascular Diagnosis & Therapy
- Interventional Cardiology
- Circulation Journal
- Cardiology Journal
- Circulation: Cardiovascular Intervention
- Cardiovascular Revascularization Medicine
- International Journal of Clinical Cardiology
- Journal of Cardiovascular Medicine
- Journal of Endovascular Therapy
- Research Reports in Clinical Cardiology
- Vascular Health & Risk Management
- Current Pharmaceutical Design
- Egyptian Heart Journal
- Journal of the Saudi Heart Association
- Indian Heart Journal
- Brazilian Journal of Medical & Biological Research
- Nigerian Journal of Clinical Practice
- Case Reports in Medicine

Member of Professional Associations

February 1985. Joined the Italian Medical Council "Ordine dei Medici della Provincia di Catania".

January 1989. Joined the "Societa' Italiana di Cardiologia " SIC.

January 1992. Joined the Membership of the "Society of Nuclear Medicine"

January 1992. Joined the Membership of the "Working Group on Nuclear Cardiology of the European Society of Cardiology".

December 1993. Member of the Society of Nuclear Medicine.

January 1995. Joined the Membership of the "Working Group on Microcirculation of the European Society of Cardiology".

November 1996. Joined the "American Society of Nuclear Cardiology".

January 1997. Joined the "Societa' Italiana di Cardiologia Invasiva" GISE.

January 1997. Member of the "Working Group Cardiovascular Pharmacology and Drug Therapy of the European Society of Cardiology".

June 1998. Joined the "Associazione Nazionale Medici Cardiologi Ospedalieri" ANMCO.

October 2001. Election as National Councillor of the Italian Society of Invasive Cardiology (GISE) for the years 2001-2003.

March 2002. Member of the "Working Group on Interventional Cardiology & and Coronary Pathophysiology of the European Society of Cardiology".

October 2003. Election as National Councillor of the Italian Society of Invasive Cardiology (GISE) for the years 2003-2005.

December 2005. Awarded the Title of Coordinator of Research Group for the Italian Society of Cardiology in the field of "Cardiologia Nucleare" for the period of 2006-2007.

December 2006. Elected Founding Member of the EuroCTO Club

April 2008. Awarded the Title of elected member for the Accreditation of the "European Association of Percutaneous Cardiovascular Interventions" EAPCI.

December 2008. Elected in the executive member of the board del Euro CTO Club

September 2011. President Elect of the Euro CTO Club

September 2014. President of the Euro CTO Club for the years 2015-2017.

October 2019. Honorary Member of the Cardiology Society of Serbia.

Didactics

School Years 1988/90. During these years in whom Dr. Galassi has been employed full time and paid as **Research Fellow/Registrar** in the Cardiovascular Research Unit of the Department of Medicine, Royal Postgraduate Medical School, Hammersmith Hospital, London, United Kingdom he was appointed a Teaching Course for the students of the University of London, Diploma of Cardiology.

School Years 1993-1994, 1994-1995, 1995-1996, 1996-1997, 1997-1998, 1998-1999, 1999-2000, 2000-2001, 2001-2002, 2002-2003. During these years Dr. Galassi has cooperated with Prof. Giuffrida, a full Professor of “Cardiovascular Clinic and Pathology” in teaching the students at the IV year of Specialization in Cardiology, Faculty of Medicine and Surgery, of the University of Catania, and in performing practical exercise in cardiology, for the students of the IV year of the Degree in Medicine, section C, of the University of Catania.

School Years 1997-1998. Coordinator and teacher of the “Specialization Course in Nuclear Cardiology” held at the University of Catania.

School Years 1999-2000. Adjunct Professor at the University of Catania, for the Course of “Nuclear Immunological Techniques” as part of the teaching of “Clinical Pathology” at the School of Specialization in Clinical Pathology.

School Years 2000-2001, 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006. Adjunct Professor at the University of Catania, for the Course of “Nuclear Cardiology” (D.M. 21.05.98, n 242) as part of the teaching of “Non invasive diagnostic examination III” at the School of Specialization in Cardiology.

School Years 2003-2004, 2004-2005 and 2005-2006. During these years Dr. Galassi has cooperated with Prof. C. Tamburino, in teaching the subject “Cardiovascular Clinic and Pathology” to the students at the IV year of Specialization in Cardiology, Faculty of Medicine and Surgery, University of Catania, and in performing practical exercise in cardiology, for the students of the IV year of the Degree in Medicine, of the University of Catania.

From the 1st December 2006. Faculty of Medicine and Surgery, University of Catania, from the 1st December 2006 and Director of Diagnostic and Cardiovascular Interventional Laboratory, Clinical Division of Cardiology, Ferrarotto Hospital from the 15th December 2005.

School Years 2006-2007, 2007-2008, and 2008-2009. Holder of a teaching course on Diseases of Cardiovascular Apparatus at the III Year of the School in Master's Degree in Medicine and Surgery at the Ragusa learning center.

School Years 2006-2007 and 2007-2008. He has been conducting a Teaching Course for Radiological Technicians at Medical Radiology for Images and Radiotherapy and a Course in Physiotherapy at the University of Catania, Didactic Centre of Ragusa.

6 April 2009. Awarded the title of Visiting Professor in Cardiology, at the Faculty of Medicine, University of Belgrade, Serbia with both teaching activity of interventional cardiology in complex coronary lesions and chronic total occlusions devoted to fellows and cardiologists and research activity in the field of complex coronary lesions and chronic total occlusions.

School Years 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016. Holder of a teaching course on Diseases of Cardiovascular Apparatus at the III Year of the School in Master's Degree in Medicine and Surgery at the learning center B of the University of Catania.

School Years 2011-2012. Holder of a teaching course in Medical Radiological Techniques, University of Catania, within the course of "Cardiovascular Diseases", integrated module of Diagnostic Techniques for Imaging Course N° II.

School Years 2011-2012. Holder of a teaching course in Sciences of Professional Technical Assistance, University of Catania, teaching of the "Apparatus of Cardiovascular Diseases" integrated module of Science and Techniques of Cardiocirculatory Physiopatology and Perfusion.

School Years 2011-2012. Holder of a teaching course in Sciences of Sanitary Professional of Rehabilitation, University di Catania, teaching of "Cardiovascular Diseases", integrated module of Physiotherapeutical Science.

School Years 2012-2013, 2013-2014, 2014-2015 e 2015-2016. Holder of a teaching course of Sanitary Rehabilitation Sciences, University of Catania, teaching course of “Cardiovascular Diseases”, integrated module for Medicine and Surgery I.

Anno Accademico 2015-2016. Holder of a teaching course in Psychiatrist Rehabilitation, University of Catania, teaching course of “Cardiovascular Disease”, module of the integrated course in Pediatric Neuropsychiatry, Diseases of the Respiratory System, Endocrinology, General Surgery, Neurosurgery and Diseases of the Cardiovascular System.

School Years 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016. Lectures of the topic “Intensive Care Unit Therapy” at the IV year of the School of Specialization in Cardiology, University of Catania.

School Years 2012-2013, 2013-2014, 2014-2015. School of Specialization in Cardiology, University of Catania, holder of the teaching course in “Diseases of Cardiovascular System”

School Years 2012-2013, 2013-2014. School of Specialization in Sport Medicine, University of Catania, holder of the teaching course in Sport Cardiology: clinical evaluation and eligibility criteria.

School Years 2013-2014, 2014-2015, 2015-2016. Commission member of the Research Doctorate in Biomedicina Traslazionale (Internazionale) of the University of Catania.

Procedures performed:

- **From 30/01/1995 to 18/07/2011:** Diagnostic and Cardiovascular Interventional Laboratory at the Clinical Division of Cardiology, Ferrarotto Hospital, University of Catania: 2696 invasive diagnostic angiographic procedures (diagnostic coronary angiogram, angiographic arterial examination, endomyocardial biopsy), 2180 percutaneous coronary interventions (with and without the use of stents, complex angioplasty such as elective chronic total occlusion, bifurcation lesions, left main trunk stenosis, or acute myocardial infarction) and 26 implants of temporary pacemakers. Furthermore, he has taught and performed interventions for n° 203 days (95 in Italy e 203 abroad) treating a total of 570 patients.

- **From 08/08/2011 to 30/04/2015:** Diagnostic and Cardiovascular Interventional Unit, Cannizzaro Hospital: 484 invasive diagnostic angiographic procedures (diagnostic coronary angiogram, angiographic arterial examination, endomyocardial biopsy), 404 percutaneous coronary interventions (with and without the use of stents, complex angioplasty such as elective chronic total occlusion, bifurcation lesions, left main trunk stenosis, or acute myocardial infarction). Furthermore, he has taught and performed interventions for n° 193 days (36 in Italy e 157 abroad) treating a total of 430 patients.
- **2015:** (from 1/05) n° 195 percutaneous revascularization of complex PCI, of whom 134 interventions of chronic coronary occlusions as available on the ERCTO database (European Registry for Chronic Total Occlusions) and 61 interventions of complex coronary lesions (left main and coronary bifurcation lesions) carried out in the same centers, for a total of 86 days, of whom 7 in Italy and 79 abroad;
- **2016:** n° 231 percutaneous revascularization of complex PCI, of whom 193 interventions of chronic coronary occlusions as available on the ERCTO database (European Registry for Chronic Total Occlusions) and n° 38 interventions of complex coronary lesions (left main and coronary bifurcation lesions) carried out in the same centers, for a total of 104 days, of whom 9 in Italy and 95 abroad;
- **2017:** n° 205 percutaneous revascularization of complex PCI, of whom 171 interventions of chronic coronary occlusions as available on the ERCTO database (European Registry for Chronic Total Occlusions) and n° 34 interventions of complex coronary lesions (left main and coronary bifurcation lesions) carried out in the same centers, for a total of 83 days, of whom 5 in Italy and 78 abroad;
- **2018:** n° 200 percutaneous revascularization of complex PCI, of whom 167 interventions of chronic coronary occlusions as available on the ERCTO database (European Registry for Chronic Total Occlusions) and n° 33 interventions of complex coronary lesions (left main and coronary bifurcation lesions) carried out in the same centers, for a total of 78 days, of whom 2 in Italy and 76 abroad.

Live Interventional and Scientific Medical Courses

1. Live Course at “*Singapore LIVE 13th Annual Live Interventions in Vascular Endotherapy*” - Singapore, **29-31 March 2004**
2. Live Course at “*Core Curriculum in Chronic Total Occlusions: Live Case Transmission*” from the Interventional Catheterization Laboratori - Ferrarotto Hospital, Catania, Italy **3 October 2005**
3. Scientific Medical Course “*Training su angioplastica coronarica*” – Milano, Italy **17 March 2006**
4. Live Course “*Workshop sulle CTO*”- Policlinico Gemelli, Catholic University, Rome, Italy, **21 April 2006**
5. Live Workshop “*Complex PCI: focus on specific subsets*” – Policlinico Gemelli Roma, Italy, **16 November 2006**
6. Live Workshop at “*Live Case: Challenging in Chronic Total Occlusion*” – Divisione di Cardiologia Ospedale Ferrarotto, Catania, Italy, **1 Dicembre 2006**
7. Scientific Medical Course at the Workshop “*Nuovi sviluppi in tema di PCI nei pazienti a rischio*” – Visconti Palace Hotel Roma, Italy, **14 February 2007**
8. Live Course “*Chronic Total Occlusion Summit, Go Trough CTO*” – Rivoli, Torino, Italy, **19-20 April 2007**
9. Live Course at the 1° CTO-Experts Live Meeting dell’EuroCTO Club - Hamburg, Germany, **18-19 May 2007.**
10. Live Course at “*Current Options Treatment for Coronary Chronic Total Occlusion*” - Policlinico Gemelli, Catholic University, Rome, Italy, **8 June 2007**
11. Scientific Medical Course at “*3D Quantitative Angiography*” – Castel Mella, Brescia, Italy, **5 July 2007**

12. Live Course at “*Total Occlusion and Bifurcation Interventions TOBI*” - Venezia Mestre, Italy, **20-21 September 2007**
13. Scientific Medical Course at Abbott Vascular Knoll-Ravizza S.p.A. for patients with chronic total occlusion, Milano, Italy, **1 October 2007 – 30 September 2008**
14. Live Course at “*CTO’s Academy*” - Clinica S. Rocco, Brescia, Italy, **18 October 2007.**
15. Live and Teoretical Course CTO Teaching College, Catania, Firenze, Milano, Mirano, Torino, Italy, **April – November 2008.**
16. Live Course on – Percutaneous Coronary Intervention in complex lesions. Istituto Clinico Humanitas, Rozzano (MI), **8 April 2008.**
17. Live course on “Chronic Total Occlusion Treatment”, at l’Azienda Ospedaliera - Universitaria Ospedali Riuniti, Trieste, **12 April 2008**
18. Live Course “CTO’s Academy – Workshop sul trattamento delle CTO”, at Policlinico Gemelli - Catholic University, Rome, **17-18 June 2008.**
19. Live Cases at 5th Interventional Symposium on High Risk Coronary Interventions, Lugano, Switzerland, **July 2008.**
20. Live cases at Total Occlusion and Bifurcation Interventions (TOBI), Mestre, Venezia, Italy, **11-12 September 2008.**
21. Live Course at Belgrade CTO Mini-Summit, Serbia **12-13 September 2008.**
22. Live Course at “Live cases di occlusioni totali croniche” at the Catholic University, Policlinic “Agostino Gemelli”, Rome, Italy, **2 October 2008**
23. Live cases at “CTO Workshop” at the University of Eskisehir, Turkey, **7-8 November, 2008**

24. Live cases at “Live cases of chronic total occlusion” at the Catholic University, Policlinic “Agostino Gemelli”, Rome, Italy, **3 December 2008**
25. Chronic total occlusions live cases at the Catheterization Laboratory of the Unit of Cardiology San Giovanni di Dio Hospital, Agrigento, Italy, on **7 March, 19 April, 28 May, 1-26 August, 8 October, 19 November 15 December 2008**
26. Live cases at Cardiocentro Ticino, Lugan, Switzerland, **17 December 2008 and 12, January 2009**
27. Live cases on complex procedures at Kobry El Kobba Military Hospital, Cairo, Egypt, **16-18 January 2009**
28. Live cases on complex procedures at Cardiological Center Monzino, Milan, Italy, **2 February and 5-6 March 2009**
29. Live cases at University Hospital, Division of Cardiology, Istanbul, Turkey **13-14, March 2009.**
30. Live cases on complex cases at Ospedale San Giovanni di Dio, Agrigento, Italy **3 April 2009**
31. Live cases on complex procedures at Department of Cardiology University Institute for Cardiovascular Diseases Clinical Center of Serbia at the 5th BelgrAde Summit of Interventional Cardiologists (BASICS), Belgrade, Serbia **5-6 April 2009**
32. Live Course on complex procedures at the Catholic Universit, Policlinic “Agostino Gemelli”, Rome, Italy, **8 April 2008**
33. Live cases on complex cases at San Filippo Neri Hospital, Rome, Italy, **22 April 2009**
34. Live cases on complex procedures at Cardiological Center Monzino, Milan, Italy, **11 May 2009**
35. Live cases at the Cardiocenter Ticino, Lugan, Switzerland **12 May 2009**

36. Live cases on complex procedures at Cardiological Center Monzino, Milan, Italy, **18 May 2009.**
37. Live cases on complex procedures at the 1st Anatolian Course of Interventional Cardiology “Advanced Angiopalsty Course”, Antalya, Turkey, **27-28 May 2009.**
38. Live cases on complex procedures at the University of Eskisehir, Turkey, **30 May 2009**
39. Live cases on complex procedures at the Catholic University, Policlinic “Agostino Gemelli”, Rome, Italy, **8 - 9 June 2009**
40. Live cases on complex procedures at San Filippo Neri Hospital, Roma, Italy, **24 June 2009**
41. Live cases on complex procedures at Cardiological Center Monzino, Milan, Italy **25 June 2009**
42. Live cases on complex procedures at European Hospital, Rome, Italy, **6 July 2009**
43. Live cases on complex procedures at the Gazi University Hospital of Ankara, Turkey **7-8 July 2009**
44. Live cases on complex procedures at Kobry El Kobba Military Hospital, Cairo, Egypt **17-18 July 2009**
45. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland **5-6 August 2009**
46. Live cases on complex procedures at Ospedale San Giovanni di Dio, Agrigento, Italy **1-2 September 2009**
47. Live cases on complex procedures at Kantonsspital, Chur, Switzerland **3-4 September 2009**

48. Live cases on complex procedures at Struttura Operativa Complessa di Cardiologia, Azienda Ospedaliera Santa Maria della Misericordia, Udine, Italy **25 September 2009**
49. Live cases on complex procedures at Struttura Operativa Complessa di Cardiologia, Azienda Ospedaliera Universitaria, Modena, Italy, **30 September 2009**
50. Live cases on complex procedures at Centro Cardiologico Monzino, Milano, Italy **1 October 2009**
51. Live cases on complex procedures at Cardiocentro Ticino, Lugano, Switzerland, **19 October 2009**
52. Live cases on complex procedures at Ospedale Cantonale di St Gallen, Switzerland, **20-21 October 2009**
53. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **10-11 November 2009**
54. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **12-13 November 2009**
55. Live cases on complex procedures at Azienda Ospedaliera Universitaria S. Giovanni di Dio e Ruggi D'Aragona, Salerno, Italy, **25 November 2009**
56. Live cases on complex procedures at Ospedale Mauriziano, Torino, Italy, **27 November 2009**
57. Live cases on complex procedures at Presidio GM Lancisi, Ancona, Italy **3 December 2009**
58. Live cases on complex procedures at Ospedale Santa Corona, Pietra Ligure (SV), Italy, **11-12 December 2009**
59. Live cases on complex procedures at Policlinico Casilino, Roma, Italy, **15 December 2009**

60. Live cases on complex procedures at Ospedale San Filippo Neri, Roma, Italy, **16 December 2009**
61. Live cases on complex procedures at Ospedale San Giovanni di Dio, Agrigento, Italy, **22 December 2009**
62. Live cases on complex procedures at Centro Cardiologico Monzino, Milano, Italy, **14 January 2010**
63. Live cases on complex procedures at The Mission Hospital, Durgapur, India, **17 January 2010**
64. Live cases on complex procedures at Dayanand Medical College & Hospital, Hero DMC Herat Institute, Ludhiana, India, **19 January 2010**
65. Live cases on complex procedures at ICVS, Kolkata, India, **24 January 2010**
66. Live cases on complex procedures at KS Hedege Charitable Hospital, Mangalore, India, **27 January 2010**
67. Live cases on complex procedures at Toyohashi Heart Center during the CCT 2010 Kobe, Japan, **28-30 January**
68. Live cases on complex procedures at Cardiocentro Ticino, Lugano, Switzerland, **16 February 2010**
69. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **17 February 2010**
70. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **17 February 2010**
71. Live cases on complex procedures at Kobry el Kobba, Military Hospital, Cairo, Egypt, **24 February 2010**

72. Live cases on complex procedures at University of Lublin during the 1st International LCTO Lublin, Poland, **19-20 March 2010**
73. Live cases on complex procedures at Second Hospital of Tianjin Medical University, **31 March 2010**, Tianjin China.
74. Live cases on complex procedures at Fuxing Hospital Capital Medical University, Fuxing, China, **1 April 2010**
75. Live cases on complex procedures at First Affiliated Hospital of Jinan University & Guangzhou Overseas, Guangzhou China, **5 April 2010**
76. Live cases on complex procedures at Department of Cardiology University Institute for Cardiovascular Diseases Clinical Center of Serbia during the 6th Belgrade Summit of Interventional Cardiologists (BASICS), Belgrade, Serbia, **10-13 April 2010**.
77. Live cases on complex procedures at 59th ESCVS International Congress and 6th Congress of Update in Cardiology and Cardiovascular Surgery, Smirne, Turkey, **15-18 April 2010**
78. Live cases on complex procedures at 17th National Interventional Cardiology Meeting, Arrhythmia 2010 and ACC-i2Hot Topics **22-25 April 2010**, Istanbul, Turkey.
79. Live cases on complex procedures at Hospital "San Giovanni di Dio" Agrigento, Italy, **27 April 2010**.
80. Live cases on complex procedures at Hospital "San Giovanni di Dio" Agrigento, Italy, **13 May 2010**.
81. Live cases on complex procedures at Azienda Ospedaliero-Universitaria, Modena, Italy, **20 May 2010**
82. Live cases on complex procedures at Hospital Santa Corona, Pietra Ligure (SV), Italy, **21 May 2010**

83. Live cases on complex procedures at Centro Fondazione Monzino, Milano, Italy, **28 May 2010**
84. Live cases on complex procedures at Nasr City Hospital, Cairo, Egypt, **1-2 June 2010**
85. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **22 June 2010**
86. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **23 June 2010**
87. Live cases on complex procedures at 6th Interventional Symposium on High Risk Coronary Interventions, MTE, Lugano, Switzerland, **23-25 June 2010**
88. Live cases on complex procedures at Hospital “San Giovanni di Dio” Agrigento, Italy, **1 July 2010.**
89. Live cases on complex procedures at Policlinico Casilino, Roma, Italy, **15 July 2010**
90. Live cases on complex procedures at Azienda Ospedaliera Universitaria, Modena, Italy, **28 July 2010**
91. Live cases on complex procedures at Egyptair Hospital, Cairo, Egypt **3-5 August 2010**
92. Live cases on complex procedures at Maadi Military Hospital, Cairo, Egypt **4 August 2010.**
93. Live cases on complex procedures at HerzZentrum, Hirslanden Zurich, Switzerland, **17 August 2010**
94. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **18 August 2010**

95. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **19 August 2010**
96. Live cases on complex procedures at CTO Minisummit, Belgrade, Serbia, **25-26 August 2010.**
97. Live cases on complex procedures at Hospital San Raffaele, Milano, Italy **15 September 2010.**
98. Live cases on complex procedures at Hospital San Giovanni di Dio Agrigento, **16 September 2010.**
99. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **27 September 2010**
100. Live cases on complex procedures at HerzZentrum, Hirslanden Zurich, Switzerland, **28 September 2010**
101. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **29 September 2010**
102. Live cases on complex procedures at Hospital S. Giovanni Addolorata Roma, Italy, **28 October 2010**
103. Live cases on complex procedures with laser at PO San Vincenzo, Taormina, Messina, Italy, **4 November 2010**
104. Live cases on complex procedures with laser at Azienda Ospedaliera Policlinico, Catanzaro, Italy, **5 November 2010**
105. Live cases on complex procedures at The Heart Care Clinic, Ahmedabad, India, **17 November 2010**
106. Live cases on complex procedures at Jehangir Hospital, Pune, India, **18 November 2010**

107. Live cases on complex procedures at Sanjay Gandhi PostGraduate Institute of Medical Science, Lucknow, India, **19-20 November 2010**
108. Live cases on complex procedures at Artemis Health Sciences Hospital, Gurgaon, Dehli, India, **21 November 2010**
109. Live cases on complex procedures at Adita Birla Memorial Hospital, Pune, India, **22 November 2010**
110. Live cases on complex procedures at Surana Hospital, Mumbai, India, **23 November 2010**
111. Live cases on complex procedures at the workshop, “Indicazioni, trattamento e risultati delle occlusioni croniche”, Humanitas, Milano, Italy, **24 November 2010**
112. Live cases on complex procedures at the workshop TRIS, “Trans Radial Interventions 2010”, Catholic University of the Sacred Heart, A. Gemelli, University Hospital, Rome, Italy, **2-3 December 2010**
113. Live cases on complex procedures at the Brotzu Hospital, Cagliari, Italy, **9 December 2010**
114. Live cases on complex procedures at the San Giovanni Di Dio Hospital, Agrigento, Italy, **10-11 December 2010**
115. Live cases on complex procedures at the San Giovanni Di dio e Ruggi D’Aragona, Salerno, Italy, **16-17 December 2010**
116. Live cases on complex procedures at the Santa Corona Hospital, Pietra Ligure, Savona, Italy, **20 December 2010**
117. Live cases on complex procedures at the San Giovanni di Dio Hospital, Agrigento, Italy, **20-21 January 2011**

118. Live cases on complex procedures at SSKM Hospital, Kolkata, India, **24 January 2011**
119. Live cases on complex procedures at SCB Medical College & Hospital, Cuttack, India, **25 January 2011**
120. Live cases on complex procedures at KS Hedge Charitable Hospital, Mangalore, India, **27 January 2011**
121. Live cases on complex procedures at MIMS Calicut, India, **28 January 2011**
122. Live cases on complex procedures at G. Kuppuswamy Naidu Memorial Hospital, India, **29 January 2011**
123. Live cases on complex procedures at Fortis Malar Hospital, Chennai, India, **31 January 2011**
124. Live cases on complex procedures at the Ospedale San Giovanni di Dio, Agrigento, Italy, **16 March 2011**
125. Live cases on complex procedures at the Ospedale San Giuseppe Moscati, Avellino, Italy, **22 March 2011**
126. Live cases on complex procedures at the Ospedale San Giovanni di Dio e Ruggi D'Aragona, Salerno, Italy, **23 e 24 March 2011**
127. Live cases on complex procedures at the University of Lublin during the 2nd International LCTO Lublin, **25-26 March 2011** Poland.
128. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **29 March 2011**
129. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **30 March 2011**

130. Live cases on complex procedures at Hospital Cantonale of Winterthur, Switzerland, **31 March 2011**
131. Live cases on complex procedures at Department of Cardiology University Institute for Cardiovascular Diseases Clinical Center of Serbia during the 7th BelgrAde Summit of Interventional Cardiologists (BASICS), Belgrade, Serbia, **8-12 April 2011**
132. Live cases on complex procedures at the Division of Cardiology, Laboratorio di Emodinamica, Ospedale Ascoli Piceno, Ascoli Piceno, Italy **13-14 April 2011**
133. Live cases on complex procedures at the Hospital San Filippo Neri, Roma, Italy, **15 April 2011**
134. Live cases on complex procedures at the Hospital San Giovanni di Dio, Agrigento, Italy, **20 April 2011**
135. Live cases on complex procedures at the Hospital Fondazione Monzino, Milano, Italy, **21 April 2011**
136. Live cases on complex procedures at Centro Fondazione Monzino, Milano, Italy, **11 May 2011**
137. Live cases on complex procedures at Cannizzaro Hospital during EURO PCR, Catania, Italy **17 May 2011**
138. Live cases on complex procedures at Skane University Hospital, Lund, Sweden **23-25 May 2011**
139. Live cases on complex procedures at Azienda Ospedaliera Santa Corona, Pietra Ligure, Genova, Italy **10-11, June 2011**
140. Live cases on complex procedures at Azienda Ospedaliera San Giovanni Di Dio, Agrigento, Italy **22, June 2011**

141. Live cases on complex procedures at Azienda Ospedaliera San Giovanni Di Dio, Agrigento, Italy **12, July 2011**
142. Live cases on complex procedures at the Division of Cardiology, Laboratorio di Emodinamica, Ospedale Ascoli Piceno, Ascoli Piceno, Italy **21 July 2011**
143. Live cases on complex procedures at Azienda Ospedaliera San Giovanni Di Dio, Agrigento, Italy **22, July 2011**
144. Live cases on complex procedures at Krishna Heart and Super Specialty Institute, Ahmedabad, India, **31 August 2011**
145. Live cases on complex procedures at CIMS (Care Institute of Medical Sciences), Ahmedabad, India, **1 September 2011**
146. Live cases on complex procedures at U.N Mehta Cardiology Institute & Research Centre, Ahmedabad, India, **2 September 2011**
147. Live cases on complex procedures at Jehangir Hospital, Ahmedabad, India, **3 September 2011**
148. Live cases on complex procedures at Azienda Ospedaliera San Giovanni Di Dio, Agrigento, Italy **17, September 2011**
149. Live cases on complex procedures at The Federal Centre of Cardiac Vascular Surgery, Astrakhan, Russia, **27-28 September 2011**
150. Live cases on complex procedures at Azienda Ospedaliera San Giovanni Di Dio, Agrigento, Italy **3, October 2011**
151. Live cases on complex procedures at Azienda Ospedaliera San Giuseppe Moscati, Avellino, Italy **22, October 2011.**
152. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **24 October 2011**

153. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **25-26 October 2011**
154. Live cases on complex procedures at Presidio Ospedaliero, Mazzoni, Ascoli Piceno, Italy **4-5 November 2011**
155. Live cases on complex procedures at Cardiocentro Ticino, Lugano, Switzerland, **22-23 November 2011**
156. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **24 November 2011**
157. Live cases on complex procedures at TRIS, Universita' Cattolica del Sacro Cuore, Roma, Italy **29-30 November 2011**
158. Live cases on complex procedures at Department of Cardiology, University of Szeged, Szeged, Unghery **7 December 2011**
159. Live cases on complex procedures at Hospital San Giovanni Di Dio, Agrigento, Italy, **20 December 2011**
160. Live cases on complex procedures at Hospital San Giovanni Di Dio, Agrigento, Italy, **20 January 2012**
161. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **25-26 January 2012**
162. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **27 January 2012**
163. Live cases on complex procedures at Hospital San Giovanni Di Dio, Agrigento, Italy, **1 March 2012**
164. Live case at Zhongshan Hospital, Shanghai, China, during the CIT meeting in Beijing, China **15 March 2012**

165. Live cases on complex procedures at the University of Lublin during the 3rd International LCTO Lublin, Poland, **16-17 March 2012.**
166. Live cases on complex procedures at University Hospital, Basel, Switzerland, **3 April 2012.**
167. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **4 April 2012.**
168. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **5 April 2012**
169. Live cases on complex procedures at Regional Central Hospital, Khanty-Mansiysk, Russia, **18 April 2012**
170. Live cases on complex procedures at Kartal Kosuyolu Yuksek Ihtisas Egitim ve Arastirma Hastanesi, Istanbul, Turkey **9 June 2012**
171. Live cases on complex procedures at CardiocentroTicino, Lugano, Switzerland, **24 July 2012.**
172. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **25 July 2012.**
173. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **26 July 2012**
174. Live cases on complex procedures at Federal Cardiovascular Surgery Center of Chelyabinsk, Chelyabinsk, Russia, **10 September 2012**
175. Live cases on complex procedures at the Ospedale San Giuseppe Moscati, Avellino, Italy, **9 November 2012**
176. Live cases on complex procedures at the Ospedale San Giovanni di Dio e Ruggi D'Aragona, Salerno, Italy, **10 November 2012**

177. Live cases on complex procedures at the Workshop on Complex Coronary Interventions, Kobry El Kobba Military Hospital, Cairo, Egypt, **27-28 November 2012**
178. Live cases on complex procedures at the Ospedale San Giuseppe Moscati, Avellino, Italy, **6 December 2012**
179. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **11 December 2012**
180. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **12 December 2012**
181. Live cases on complex procedures at CardiocentroTicino, Lugano, Switzerland, **13 December 2012.**
182. Live cases on CTO at CTO Summit Turin, Italy, **28 February -1 March 2013**
183. Live cases on complex procedures at the University of Lublin during the 4th International LCTO Lublin, **15-16 March 2013** Poland
184. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **25 March 2013.**
185. Live cases on complex procedures at Klinik Im Park, Hirslanden, Zurich, Switzerland, **26 March 2013.**
186. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **27 March 2013.**
187. Live cases on complex procedures at CardiocentroTicino, Lugano, Switzerland, **28 March 2013.**
188. CTO workshop with live cases, held in Bad Soden, Frankfurt, Germany, on the **9th and 10th of April 2013.**
189. Live cases at Erebouni Medical Center, Yerevan , Armenia, **18-19 April 2013**

190. Live cases on complex procedures at Santa Corona Hospital, Pietra Ligure, Albenga, Italy, **29 May 2013.**
191. Live cases on complex procedures at San Giovanni di Dio e Ruggi D’Aragona Hospital, Salerno, Italy, **30-31 May 2013**
192. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **4 June 2013.**
193. Live cases on complex procedures at Kantonsspital, Aarau, Switzerland, **5, June 2013.**
194. Live cases on complex procedures at the Klinik im Park, Zurich, Switzerland, **6 June 2013.**
195. Live cases on complex procedures at the Azienda Ospedaliero-Universitaria Modena, Italy, **11 July 2013.**
196. Live cases on complex procedures at San Giovanni di Dio e Ruggi D’Aragona Hospital, Salerno, Italy, **5 September 2013.**
197. Live cases on complex procedures at Kantonsspital, Aarau, Switzerland, **10, September 2013.**
198. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **11 September 2013.**
199. Live cases on complex procedures at Luzerner Kantonsspital, Lucern, Switzerland, **12 September 2013.**
200. Live cases on complex procedures at Erebouni Medical Center, Yerevan, Armenia **18-19 September 2013.**
201. Workshop and live cases demonstration at the Russian Cardiology Research and Production Complex, Institute of Clinical Cardiology, Moscow, Russia, **2-3 October 2013.**

202. Workshop and live cases demonstration at the Urals Medical Institute of Cardiology, Ekaterinburg, Russia, **4-5 October 2013.**
203. Live cases on complex procedures at the Azienda Ospedaliero-Universitaria Modena, Italy, **11 October 2013.**
204. Live cases on complex procedures at the Hospital San Giuseppe Moscati, Avellino, Italy, **16 October 2013.**
205. Workshop with live cases on complex procedures and presentations at Wadi El Neel Hospital, Cairo, Egypt, **19-20 October 2013.**
206. Workshop with presentations and live cases procedures of complex cases, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **6-9 November 2013.**
207. Workshop with presentations and live cases procedures of complex cases, at the Federal Hospital of Bielorussia, Minsk, Bielorussia, **18 November 2013.**
208. Workshop with presentations and live cases procedures of complex cases, at the Kemerovo Cardiology Center, Kemerovo, Siberia, Russia, **20-21 November 2013.**
209. Workshop with presentations and live cases procedures of complex cases, at the Hospital San Giuseppe Moscati, Avellino, Italia, **27, November 2013**
210. Workshop with presentations and live cases procedures of complex cases at the Hospital San Giovanni di Dio e Ruggi D’Aragona, Salerno, Italia, **28, November 2013.**
211. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Lucerna, Switzerland, **3 December 2013.**
212. Workshop with presentations and live complex procedures at Kantonsspital, Aarau, Switzerland, **4 December 2013.**
213. Workshop with presentations and live complex procedures at Cardiocentro Ticino, Lugano, Switzerland, **5 December 2013**

214. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **6 December 2013.**
215. Workshop with presentations and live cases procedures of complex cases, at the Hospital San Giuseppe Moscati, Avellino, Italia, **17, December 2013.**
216. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **20 January 2014.**
217. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **21 January 2014.**
218. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **22 January 2014.**
219. Live cases on complex procedures at the Klinik im Park, Zurich, Switzerland, **23 January 2014.**
220. Live cases on complex procedures at Cardiocentro Ticino, Lugano, Switzerland, **17 February 2014.**
221. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **18 February 2014.**
222. Live cases on complex procedures at the Hirslanden, Klinik St Anna, Luzern, Switzerland, **19 February 2014.**
223. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **20 February 2014.**
224. Workshop with presentations and live complex procedures at the Iraqui Center of Heart Disease, Baghdad, Iraq, **7-9 March 2014.**
225. Live cases on complex procedures at the Workshop on Complex Coronary Interventions, Kobry El Kobba Military Hospital, Cairo, Egypt, **15-17 March 2014.**

226. Workshop with presentations and live complex procedures at the National Scientific Cardiac Surgery Center of Astana, Kazakhstan, **31 March – 1 April 2014.**
227. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **3 April 2014.**
228. Workshop with presentations and live complex procedures at Regional Clinical Hospital of Voronezh City, Voronezh, Russia, **14 April 2014.**
229. Live complex procedures, during the BASICS 8th (BelgrAde Summit of Interventional Cardiologists), Belgrade, Serbia, **23-26 April 2014.**
230. Workshop with presentations and live cases procedures of complex cases, at the San Giovanni e Ruggi d’Aragona Hospital, Salerno, Italia, **22-23, May 2014.**
231. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **27 May 2014.**
232. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **28 May 2014.**
233. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **2 June 2014.**
234. Live cases on complex procedures at Kantonsspital, Aarau, Switzerland, **3, June 2014.**
235. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **4 June 2014.**
236. Workshop with live cases on complex procedures and presentations at Wadi El Neel Hospital, Cairo, Egypt, **7-8 June 2014.**
237. Live cases on complex procedures at the Workshop on Complex Coronary Interventions, Kobry El Kobba Military Hospital, Cairo, Egypt, **8-11 June 2014**
238. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **7 July 2014.**

239. Live cases on complex procedures at Kantonsspital, Aarau, Switzerland, **8, July 2014.**
240. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **9 July 2014.**
241. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **10 July 2014.**
242. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **2 September 2014.**
243. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **3 September 2014.**
244. Workshop with presentations and live cases procedures of complex cases, at the San Giovanni e Ruggi d'Aragona Hospital, Salerno, Italia, **7-8, October 2014.**
245. Participation to the CTO Workshop on CTO Treatment at The State Republican Hospital N1 of the Republic of Sakha, Yakutsk, Russian Federation **28-29 October 2014**, Yakutsk, Russia.
246. Workshop with presentations and live cases procedures of complex cases at the 4th EAZI Fellows Course e 17th EGIC Egyptian Working Group of Interventional Cardiology, Kobry el Kobba, Military Medical Academy, Cairo, Egypt **4-6 November 2014.**
247. Workshop with presentations and live cases procedures of complex cases at the Shaikh Khalifa Medical City Abu Dhabi, UAE (United Arab Emirates) e il Tawam Hospital, Al Ain, Abu Dhabi, UAE (United Arab Emirates), **9-10 November 2014**, Medtronic proctoring contract.
248. Workshop "Il trattamento delle Occlusioni Coronariche Croniche" and live cases procedures of complex cases at, Policlinico Modena, **13 Novembre 2014**, Modena, Italy.

249. Live cases on complex procedures during the Multidisciplinary Endovascular Interventions Course, The National Academy of Medicine and Sciences of Ukraine, A.A. Shalimov National Institute of Surgery and Transplantology, **13-14 November 2014**, Kiev, Ukraine.
250. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **25 November 2014**.
251. Live cases on complex procedures at Hirslanden, Lkinik St Anna, Luzern, Switzerland, **26-27 November 2014**.
252. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **28 November 2014**.
253. Workshop with presentations and live cases procedures of complex cases, at Police Hospital, Cairo, Egypt, **6-7, December 2014**.
254. Workshop with presentations and live cases procedures of complex cases, at the San Giovanni e Ruggi d'Aragona Hospital, Salerno, Italia, **12 December 2014**.
255. Workshop with presentations and live cases procedures of complex cases, at the Hospital San Giuseppe Moscati, Avellino, Italia, **14, January 2015**.
256. CTO workshop on CTO treatment, Klinicki Centar NIS, Nis, Serbia **5, February 2015**.
257. Workshop with presentations and live cases procedures of complex cases, at the San Giovanni e Ruggi d'Aragona Hospital, Salerno, Italia, **10-11, February 2015**.
258. Workshop with live cases on complex procedures and presentations at Wadi El Neel Hospital, Cairo, Egypt, **14-15 February 2015**.
259. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **17 February 2015**.
260. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **18 February 2015**.

261. Live cases on complex procedures at Triemli Kantospital, Zurich, Switzerland, **19 February 2015**
262. Live cases on complex procedures at Cardiocentro Ticino, Lugano, Switzerland, **20 February 2015.**
263. Workshop and live cases demonstration at the Russian Cardiology Research and Production Complex, Institute of Clinical Cardiology, Moscow, Russia, **23-24 March 2013.**
264. Live cases on complex procedures at Cardiocentro Ticino, Lugano, Switzerland, **27 March 2015.**
265. Workshop with presentations and live cases procedures of complex cases, at Police Hospital, Cairo, Egypt, **28-29, March 2015.**
266. Live cases on complex procedures at Egyptair Medical Service Hospital, Cairo, Egypt, **30-31 March 2015.**
267. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **15 April 2015.**
268. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **15 April 2015.**
269. Live cases on complex procedures at Hirslanden, Lkinik St Anna, Luzern, Switzerland, **16 April 2015.**
270. Workshop with live cases on complex procedures and presentations at Wadi El Neel Hospital, Cairo, Egypt, **21-22 April 2015.**
271. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **11 May 2015.**
272. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **12 May 2015.**
273. Live cases on complex procedures at Kantonsspital, St Gallen, Switzerland, **13 May 2015.**

274. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **14 May 2015.**
275. Live cases on complex procedures at Cardiocentro Ticino, Lugano, Switzerland, **15 May 2015.**
276. Live cases on complex procedures at Erebouni Medical Center, Yerevan, Armenia **10-12 Giugno 2015.**
277. Workshop with presentations and live cases procedures of complex cases, at the San Giovanni e Ruggi d'Aragona Hospital, Salerno, Italia, **15-16, June 2015.**
278. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **29-30 June 2015.**
279. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **1 July 2015.**
280. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **2 July 2015.**
281. Live cases on complex procedures at Cardiocentro Ticino, Lugano, Switzerland, **3 July 2015.**
282. Live cases on complex procedures at Kantonsspital, Aarau, Switzerland, **7, July 2015.**
283. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **8 July 2015.**
284. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **9 July 2015.**
285. Live cases on complex procedures at the Herz-Neuro-Zentrum, Kreuzlingen, Schweiz, Switzerland, **10 July 2015.**
286. Workshop with presentations and live cases procedures of complex cases, at Police Hospital, Cairo, Egypt, **11-12, July 2015.**

287. Workshop with live cases on complex procedures and presentations at Wadi El Neel Hospital, Cairo, Egypt, **9-10 August 2015.**
288. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **31 August 2015.**
289. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **1 September 2015.**
290. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **2 September 2015.**
291. Workshop with presentations and live complex procedures, at the Kantonsspital, St Gallen, Switzerland, **3 September 2015.**
292. Workshop with presentations and live complex procedures, at the il Cardiocentro Ticino di Lugano, Switzerland, **4 September 2015.**
293. Workshop with presentations and live complex procedures, at the University of Sohag, Sohag, Egypt, **10-12 September 2015.**
294. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **24 September 2015.**
295. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **21 October 2015.**
296. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **22 October 2015.**
297. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **23 October 2015.**
298. Live cases on complex procedures at the Workshop on Complex Coronary Interventions, Kobry El Kobba Military Hospital, Cairo, Egypt, **1-2 November 2015**
299. Workshop with live cases on complex procedures and presentations at Wadi El Neel Hospital, Cairo, Egypt, **4-5 November 2015.**

300. Live cases on complex procedures at Triemli Kantospital, Zurich, Switzerland, **11 November 2015.**
301. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **12 November 2015.**
302. Workshop with presentations and live cases procedures of complex cases, at Police Hospital, Cairo, Egypt, **2-3, Dicembre 2015.**
303. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **10 December 2015.**
304. Workshop with presentations and live complex procedures, at the il Cardiocentro Ticino di Lugano, Switzerland, **11 December 2015.**
305. Live cases on complex procedures at the Herz-Neuro-Zentrum Bodensee, Kreuzlingen, Switzerland, **14 December 2015.**
306. Workshop with presentations and live cases procedures of complex cases, at the San Giovanni e Ruggi d'Aragona Hospital, Salerno, Italia, **17, December 2015.**
307. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **11, January 2016.**
308. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **12 January 2016.**
309. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **13-14 January 2016.**
310. Live cases on complex procedures at the Prince Sultan Cardiac Center, Qassim, Arabia Saudita, **17-19 Gennaio 2016.**
311. Live cases on complex procedures at the Alhyatt Heart and Vascular Center, Alexandria, Egypt, **20-21 January 2016.**
312. Workshop with presentations and live cases procedures of complex cases, at the San Giovanni e Ruggi d'Aragona Hospital, Salerno, Italia, **10, February 2016.**

313. Workshop with presentations and live complex procedures, at the il Cardiocentro Ticino di Lugano, Switzerland, **12 February 2016.**
314. Workshop with presentations and live cases procedures of complex cases, at Police Hospital, Cairo, Egypt, **20-21 Febbraio 2016.**
315. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **4, March 2016.**
316. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **15 March 2016.**
317. Live cases on complex procedures at the Herz-Neuro-Zentrum Bodensee, Kreuzlingen, Switzerland, **17 March 2016.**
318. Workshop with presentations and live cases procedures of complex cases, at the San Giovanni e Ruggi d'Aragona Hospital, Salerno, Italia, **1, April 2016.**
319. Live cases on complex procedures at Ospedale San Giovanni di Dio, Agrigento, Italy, **4 April 2016.**
320. Workshop with presentations and live complex procedures, at the il Cardiocentro Ticino di Lugano, Switzerland, **7 April 2016.**
321. Workshop with live cases on complex procedures at Lindenhofspital, Bern, Switzerland, **27 April 2016.**
322. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **28 April 2016.**
323. Workshop with presentations and live complex procedures, at the il Cardiocentro Ticino di Lugano, Switzerland, **29 April 2016.**
324. Workshop with presentations and live complex procedures at El Noor Cardiac Center, Sohag, Egitto, **4-5 May 2016.**
325. Workshop with presentations and live complex procedures at Tehran Heart Center, Teheran, Iran, **11 May 2016.**

326. Workshop with presentations and live complex procedures at Kasra General Hospital, Teheran, Iran, **12 May 2016**
327. Workshop with presentations and live complex procedures at Shahid Madani Heart Center, Tabriz Medical University, Tabriz, Iran, **13-14 May 2016.**
328. Workshop with live cases on complex procedures at Lindenhofspital, Bern, Switzerland, **25 May 2016.**
329. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **25 May 2016.**
330. Workshop with presentations and live complex procedures, at the il Cardiocentro Ticino di Lugano, Switzerland, **27 May 2016.**
331. Workshop with presentations and live complex procedures, at the Cardiovascular Research Center, Shahid, Beheshti University of Medical Sciences, Tehran, Iran, **5 June 2016.**
332. Workshop with presentations and live complex procedures, at the Rajaie Cardiovascular Medical and Reserach Center, Tehran, Iran, **6 June 2016.**
333. Live cases on CTO procedures at University Clinic of Cardiovascular Diseases, Zagreb, Croatia, **9-10 June 2016.**
334. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **6 July 2016.**
335. Workshop with presentations and live complex procedures, at the Luzerner Kantonsspital, Luzern, Switzerland, **6 July 2016.**
336. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **7, July 2016.**
337. Workshop with presentations and live complex procedures, at the Cardiocentro Ticino di Lugano, Switzerland, **8 July 2016.**

338. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **18 July 2016.**
339. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **19 July 2016.**
340. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **20, July 2016.**
341. CTO workshop with presentations and live complex procedures, at the Semey State Medical University, Semey, Khazakhstan, **21-22, July 2016.**
342. Partecipazione a workshop con casi dal vivo di procedure coronariche complesse presso il Razavi Hospital, Mashad, Iran, **26 Luglio 2016.**
343. CTO workshop with presentations and live complex procedures, at Qena University Hospital, Qena, Egypt, **29-30 July 2016.**
344. Workshop with live cases on complex procedures and presentations at Wadi El Neel Hospital, Cairo, Egypt, **31 July 2016.**
345. Workshop with live cases on complex procedures and presentations at El Galaa Military Medical Complex, Cairo, Egypt, **1 August 2016.**
346. Live cases on complex procedures and presentations at Kobry El Kobba Military Hospital, Cairo, Egypt, **2 August 2016.**
347. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **31 August 2016.**
348. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **1 September 2016.**
349. Workshop with presentations and live complex procedures, at the Cardiocentro Ticino di Lugano, Switzerland, **2 September 2016.**

350. Workshop with presentations and live cases procedures of complex cases, at the University Clinic of Cardiovascular Diseases, Zagabria, Croazia, **6-7 September 2016.**
351. Workshop with presentations and live cases procedures of complex cases, at the San Giovanni e Ruggi d'Aragona Hospital, Salerno, Italia, **15-16, September 2016.**
352. Live cases on complex procedures at Ospedale San Giovanni di Dio, Agrigento, Italia, **27 September 2016.**
353. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **5 October 2016.**
354. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **6, October 2016.**
355. Workshop with presentations and live complex procedures, at the Cardiocentro Ticino di Lugano, Switzerland, **7 October 2016.**
356. Live cases on complex procedures at Ospedale San Giovanni di Dio, Agrigento, Italia, **10 October 2016.**
357. Workshop with live cases on complex procedures at Lindenhofspital, Bern, Switzerland, **24 October 2016.**
358. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **25 October 2016.**
359. Workshop with presentations and live cases procedures of complex cases at Razavi Hospital, Mashad, Iran, **27-28 October 2016.**
360. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **9 November 2016.**
361. Workshop with presentations and live cases procedures of complex cases, at Police Hospital, Cairo, Egypt, **10-11 December 2016.**

362. Workshop with presentations and live cases procedures of complex cases, at the University Clinic of Cardiovascular Diseases, Zagabria, Croazia, **13-14 December 2016.**
363. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **20 December 2016.**
364. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **21 December 2016.**
365. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **22 December 2016.**
366. Live cases on complex procedures at Hamad Hospital, Doha, Qatar **12 January 2017.**
367. Live cases on complex procedures at the Military Hospital, Tunis, Tunisi, **29 January 2017.**
368. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **31 January 2017.**
369. Workshop with live cases on complex procedures at Lindenhofspital, Bern, Switzerland, **1 February 2017.**
370. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **2 February 2017.**
371. Workshop with presentations and live complex procedures, at the Cardiocentro Ticino di Lugano, Switzerland, **3 February 2017.**
372. Live cases at the International Clinical Course – workshop - The latest approaches to solving chronic total occlusions Sremska Kamenica, Novisad, Serbia, **6-7 Februray 2017.**
373. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **8 February 2017.**

374. Workshop with presentations and live complex procedures, at the Razavi Hospital, Mashad, Iran, **17 February 2017.**
375. Workshop with presentations and live complex procedures the Middle Slovakia Institute of Cardiovascular Diseases, Banska Bystrica, Slovakia, **1 March 2017.**
376. Live cases on CTO procedures at University Clinic of Cardiovascular Diseases, Zagreb, Croatia, **2-3 March 2017.**
377. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **15 March 2017.**
378. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **16 March 2017.**
379. Workshop with presentations and live complex procedures, at the Cardiocentro Ticino di Lugano, Switzerland, **17 March 2017.**
380. Workshop at the CTO workshop on CTO treatment at Rostov Regional Clinical Hospital, Rostov on Don, Russia **20-22, March 2017.**
381. Live cases at the NICTO 2017 live complex procedures, Nis Serbia, **24-25 March 2017.**
382. Workshop on complex coronary interventions al Nasser City Insurance Hospital, Cairo, Egypt, **26-27 March 2017.**
383. Workshop on chronic total occlusions and complex coronary intervention in Agouza Police Hospital, Cairo, Egypt, **28-29 March 2017.**
384. Live cases on complex procedures at Ospedale San Giovanni di Dio, Agrigento, Italia, **5 April 2017.**
385. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **19 April 2017.**
386. Live cases on complex procedures at the Herz-Neuro-Zentrum, Kreuzlingen, Schweiz, Switzerland, **20-21 April 2017.**

387. Workshop on chronic total occlusions and complex coronary intervention in Laleh Hospital, Teheran, Iran **22, Aprile 2017.**
388. Workshop on chronic total occlusions and complex coronary intervention at Chamran Heart Center, Esfahan, Iran **23, April 2017.**
389. Workshop on chronic total occlusions and complex coronary intervention at Chamran Heart Center, Esfahan, Iran **23, April 2017.**
390. Workshop on complex coronary intervention at Al Noor Hospital, Sohag, Egypt **3-4 May 2017.**
391. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **22-23 May 2017.**
392. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **24 May 2017.**
393. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **13 June 2017.**
394. Workshop with live cases on complex procedures at Lindenhofspital, Bern, Switzerland, **14 June 2017.**
395. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **15 June 2017.**
396. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **12 July 2017.**
397. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **13 July 2017.**
398. Workshop with presentations and live complex procedures, at the Azadi Heart Center, Duhok, Kurduistan, Irak **20-21 July 2017.**
399. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **4 September 2017.**

400. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **5 September 2017.**
401. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **6-7 September 2017.**
402. Live cases on complex procedures at University Hospital Brno, Brno, Cech Republic, **13 September 2017.**
403. Live cases on complex procedures at Catarina Hospital, Eindhoven, Olanda, **18-19 September 2017.**
404. Live cases on complex procedures at Ospedale San Giovanni di Dio, Agrigento, Italia, **27 September 2017.**
405. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **3 October 2017.**
406. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **5 October 2017.**
407. Workshop with presentations and live complex procedures, at the Cardiocentro Ticino di Lugano, Switzerland, **6 October 2017.**
408. CTO workshop with presentations and live complex procedures, at the Semey State Medical University, Semey, Khazakhstan, **5-6, November 2017.**
409. Workshop with presentations and live complex procedures at the Emergency Hospital of Bucharest, Bucharest, Romania, **9-10 November 2017.**
410. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **14 November 2017.**
411. Live CTO cases workshop with presentations and live complex procedures, at Hamad Hospital Doha, Qatar, **17-18 November 2017.**

412. Live CTO workshop with live cases at Laleh Hospital, Teheran, Iran, **19 November 2017.**
413. Workshop with presentations and live complex procedures, at the University of Zurich, (visiting professor appointment), Zurich, Switzerland, **22 November 2017.**
414. Live cases on complex procedures at Ospedale San Giovanni di Dio, Agrigento, Italy, **7 December 2017.**
415. Workshop with live cases on complex procedures and presentations at Wadi El Neel Hospital, Cairo, Egypt, **18 December 2017**
416. Live cases on complex procedures at Ospedale San Giovanni di Dio, Agrigento, Italy, **22 December 2017.**
417. Live CTO workshop with presentations and live complex procedures, at Heart Hospital Hamad, Doha, Qatar, **9-10 February 2018.**
418. Live CTO cases workshop at Laleh Hospital, Teheran, Iran, **11 February 2018.**
419. Live CTO workshop with presentations and live complex procedures, at Razavi Hospital, Mashad, Iran **27-28, February 2018.**
420. Live CTO workshop with presentations and live complex procedures at Oma El Kora Cardiac Center, Tanta, Egypt **18, March 2018.**
421. Live CTO workshop with presentations and live complex procedures at El Kheir Hospital, El Mansoura, Egypt **19, March 2018.**
422. Live CTO workshop as proctor at Klinicki Bolnicki Centar Zagreb, Croatia, **21-22 March 2018.**
423. Live CTO operator at the BelgrAde Summit of Interventional CardiologistS (BASICS), **15-17 April 2018.**
424. Live CTO workshop at the Sheikh Ragheb Harb Hospital, South Lebanon, **18 April 2018.**

425. Live CTO workshop as proctor at Clinique du Levant, Beirut, Lebanon, **19 April 2018.**
426. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **23 April 2018.**
427. Live cases on complex procedures during the workshop on CTO and complex lesions, Beni Suef, Egypt **5 May 2018.**
428. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **8-9 May 2018.**
429. Live cases on complex procedures during the workshop on CTO and complex lesions at Hopital Univesitaire Sahloul de Sousse, Sousse, Tunisia, **15 May 2018.**
430. Live cases on complex procedures during the workshop on CTO and complex lesions at the Sheikh Ragheb Harb Hospital, of Iranian Red Crescent Society, Nabatten, Lebanon, **29 May 2018.**
431. Live cases on complex procedures during the workshop on CTO and complex lesions at the Dalla'a General Hospital, Saida, Lebanon, **29 May 2018.**
432. Live cases on complex procedures during the workshop on CTO and complex lesions at the Notre Dame Des Secours, Jbel, Lebanon, **30 May 2018.**
433. Live cases on complex procedures at Kantonsspital, Chur, Switzerland, **11 June 2018.**
434. Live cases on complex procedures at the Seminario Complex Coronary Interventions IV, Mastering the complex, Hospital SOS Cardio, Florianopolis, Brasile, **20-21 June 2018.**
435. Live CTO workshop with presentations and live complex procedures at El Kheir Hospital, El Mansoura, Egypt **25, June 2018.**
436. Live workshop on complex cases at, Bahman Hospital Beirut, Lebanon **16, July 2018.**

437. Live CTO workshop at Sheikh Ragheb Harb Hospital, Ragheb, South Lebanon **17, July 2018.**
438. Live CTO workshop at the Hopital Saint Joseph, Beirut Lebanon **18, July 2018.**
439. Live CTO workshop, at the Cardiogical Clinic, University Hospital of Bern, (as per research contract), Inselspital Bern, Switzerland, **25 July 2018.**
440. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **26 July 2018.**
441. Live cases on complex procedures at the Hospital Tel Chiha, Zahle, Lebanon, **10 September 2018.**
442. Live CTO workshop at the Sheikh Ragheb Harb Hospital, Ragheb, South Lebanon, **12 September 2018.**
443. Live CTO workshop at the Dalla'a General Hospital, Saida, Lebanon, **13 September 2018.**
444. Live CTO workshop at the Hotel Dieu de France, Beirut, Lebanon, **13 September 2018.**
445. Live CTO workshop at Slemani Cardiac Center, Slemani, Kurdistan, Irak, **20-21 September 2018.**
446. Live CTO workshop, Semei Regional Hospital, Semei, Khazakhstan, **29-30 September 2018**
447. Live workshop on "Complex Coronary Interventions" Florianopolis, Brasile, **4 October 2018.**
448. Live workshop on "Complex Coronary Interventions" at the San Giovanni Di Dio Hospital, Agrigento, **15 October 2018.**
449. Live CTO workshop, at the Cardiogical Clinic, University Hospital of Bern, (as per research contract), Inselspital Bern, Switzerland, **19 October 2018.**

450. Live CTO proctoring at Notre Dame des Secours Hospital, Jbel, Lebanon, **22 October 2018.**
451. Live workshop on Complex PCI at Bahman Hospital, Beirut, **24 October 2018.**
452. Live workshop on CTO and complex lesions at the Beirut Cardiac Institute Al Rassoul Aazam Hospital, **31 October 2018.**
453. Live CTO proctoring at Notre Dame des Secours Hospital, Jbel, Lebanon, **1 November 2018.**
454. Live workshop on CTO at the Klinicki Bolnicki Centar Rijeka, Croatia **6-7 Novembre 2018.**
455. Live CTO workshop at University Hospital Sharjah, Dubai UAE, **3-4 January 2019.**
456. Live Complex CTO workshop at Al Fouad Cardiology Center, Qena, Egypt, **15 January 2019.**
457. Live CTO workshop at the Gornoslakie Centrum Medycyczne Szpital W Ochojcu, Katowice, Poland **22 January 2019.**
458. Live CTO proctoring at Notre Dame des Secours Hospital, Jbel, Lebanon, **24 January 2019.**
459. Live CTO proctoring at Hopital Saint Joseph, Beirut, Lebanon **25, January 2019.**
460. Live CTO proctoring at Hotel Dieu De France, Beirut, Lebanon **25, January 2019.**
461. Live CTO proctoring at Al Hayat Hospital, Beirut, Lebanon **26, January 2019.**
462. Live workshop on CTO and Complex Lesions, Center Clinical Hospital, Moscow, Russia, **10-11 February 2019.**

463. Didactic CTO and live workshop, Rijeka Croatia, **15-16 February, 2019.**
464. Live workshop on CTO and Complex Lesions at the Alhyatt Heart and Vascular Center, Alexandria, Egypt **22-23 February, 2019.**
465. Live CTO workshop as proctor at Klinicki Bolnicki Centar Zagreb, Croatia, **18-19 March 2019.**
466. Live CTO workshop at the Hotel Dieu de France, Beirut, Lebanon, **21 March 2019.**
467. Live workshop on complex cases at, Bahman Hospital Beirut, Lebanon **22, March 2019.**
468. Live case operator at the XXIII Warsaw Course on Cardiovascular Interventions, Warsaw, Poland, **10-12 April 2019**
469. Live case Educational Workshop on Complex PCI and CTO, at the AlHyatt Heart and Vascular Center, Alexandria, Egypt, **14-16 April 2019.**
470. Live cases on complex procedures at Hirslanden, Klinik St Anna, Luzern, Switzerland, **16 May 2019.**
471. Live workshop on complex cases at Hospital Haddad Des Soueurs Du Rosaire, Beirut, Lebanon, **17 May 2019.**
472. Live CTO workshop at the District Clinical Hospital, Khanty-Mansiysk, Russia **28-29 May 2019.**
473. Live workshop on complex cases at Hirslanden Klinik St Anna, Lucern, Switzerland, **12-13 June 2019.**
474. Live workshop on complex cases at El Noor Cardiac Centre, **23 June 2019,** Sohag, Egypt
475. Live workshop on complex cases at Alhyatt Heart and Vascular Center, Alexandria, Egypt **24 June, 2019.**

476. Live workshop on complex cases at Hirslanden Klinik St Anna, Lucern, Switzerland, **2 August 2019.**
477. Live workshop on complex cases TOBI at Clinique du Levant, Beirut, Libano, **5 August 2018.**
478. Live workshop on complex cases TOBI at Hopital Saint Joseph, Beirut, Libano, **6, August 2019.**
479. Live workshop on complex cases TOBI at Sheikh Ragheb Harb Hospital, Nabatten, Libano, **7, August 2019.**
480. Live workshop on CTO and complex lesions, at Qassimi Hospital, Dubai, UAE, **28-29 October, 2019.**
481. Live Teaching CTO Course at Cardiology Department, AinShams University Hospital, Il Cairo, Egypt, **30 October, 2019.**
482. Live Teaching Course in Complex Interventional Percutaneous Procedures and Clinical Cardiology, Baku, Azerbaijan, **18-21, November 2019.**
483. II Live Teaching Course in Complex Interventional Percutaneous Procedures and Clinical Cardiology, Baku, Azerbaijan **2-4, December 2019.**
484. Live workshop on complex cases at Hirslanden Klinik St Anna, Lucern, Switzerland, **19 December 2019.**
485. Live workshop on CTO and complex cases at Elaraby Hospital, Menoufia, Egypt, **13 January 2020.**
486. Live workshop on CTO PCI workshop, at the Agoza Police Hospital, Cairo, Egypt, **14 December 2020.**
487. Live CTO workshop, at the El Fouad Heart Center, Qena, Egypt, **15 January 2020**
488. Live CTO and Bifurcation workshop at the El Noor Hospital, Sohag, Egypt **16 January 2020.**

489. Live Teaching Course in Complex Interventional Percutaneous Procedures and Clinical Cardiology, Baku, Azerbaijan, **20-24, January 2020.**
490. Live workshop on complex cases at Hirslanden Klinik St Anna, Lucern, Switzerland, **6-7 February 2020.**
491. Live workshop on complex cases at Ospedale San Giovanni Di Dio, Agrigento Italia, **13 February 2020.**
492. Live workshop on CTO and coronary complex lesions at Egypt Heart Center, Cairo, Egypt, **22-27 November 2020.**
493. Live workshop on CTO and coronary complex lesions workshop at Ain Shams University, Cairo, Egypt, **23 November 2020.**
494. Live workshop on "CTO and coronary complex lesions workshop" at Egypt Heart Center, Il Cairo, Egypt, **19-22 December 2020.**

Rapporteur at Congresses and Up-To-Date Courses:

1. Rapporteur at the VIII Congresso Regionale "Aggiornamenti in Cardiologia 91" Reggio Calabria, Italy, 4-5/10/1991.
2. Rapporteur at the IX Congresso Meridionale "Le nuove frontiere della diagnostica e terapia in Cardiologia" Reggio Calabria, Italy, 16-18 September 1993.
3. Rapporteur at the Convegno Interregionale GICN 1997, Palermo, Italy, 9 May 1997.
4. Rapporteur at the 1° Convegno Interregionale di Cardiologia Ambulatoriale "La prevenzione dei fattori di rischio cardiovascolare" 24-27/9/1997.
5. Rapporteur at the European Congress of Angiology - 1th Meeting of the European Chapter Rome, Italy, 23-26 October 1997.
6. Rapporteur at the 58° Congresso della Societa' Italiana di Cardiologia, Roma., Italy, 7-10 December, 1997
7. Rapporteur at the V Corso Nazionale di Ecocardiografia ed Ecocardiografia Doppler, Naxos, Messina, Italy, 12-13 June 1998.

8. Rapporteur at the Congresso Interregionale ANMCO, Palermo, 9-11 April 1999.
9. Rapporteur at the Congresso Regionale ANCE, Catania, Italy, 11-13 June 1999.
10. Rapporteur at the VIII Convegno GICN – Cardiologia Nucleare 99, Fiuggi, Italy, 24-27 November 1999.
11. Rapporteur at the 60° Congresso della Societa' Italiana di Cardiologia, Roma, Italy, 11-15 December, 1999
12. Rapporteur at the Convegno su Gestione in Qualita' della Medicina Nucleare, Palermo, Italy, 15, April 2000.
13. Rapporteur at the “Convegno Interregionale GISE”, Catania, Italy, 30 September 2000
14. Rapporteur at the Minisimposio di “Cardiopatia ischemica” ANCE, 23 November 2000
15. Rapporteur at the 61° Congresso della Societa' Italiana di Cardiologia 2000, Roma, Italy, 16-20 December 2000.
16. Rapporteur at the “Seminario di Aggiornamento per la Cardiologia del Territorio”, Catania, Italy, 10-13 May 2001
17. Rapporteur at “XXXII Congresso Nazionale di Cardiologia” 20-23 May 2001, Firenze, Italy
18. Rapporteur at Convegno Giornate Cardiologiche dello Stretto “Attualita' in tema di Angioplastica Coronarica, 16 June 2001, Messina, Italy.
19. Rapporteur at Convegno “Aggiornamento in Cardiologia Nucleare e Terapia Radiometabolica Ambulatoriale” Rifreddo, Potenza, Italy 6-7 July 2001.
20. Rapporteur at the Corso di Aggiornamento ANMCO “ Il problema dolore toracico: dal territorio al PS/DEA 19-20 October 2001, Catania.
21. IX Corso GICN – Cardiologia Nucleare 2001, Rimini, Italy, 29 November - 1 December 2001.
22. Rapporteur at the 62° Congresso della Societa' Italiana di Cardiologia, Roma, Italy, 8-12 December, 2001.
23. Rapporteur at the Simposio “Conoscere e Curare il Cuore 2002”, Firenze, Italy, 8-10 March, 2002
24. Rapporteur at the Riunione Scientifica Regionale di Ecocardiografia: Stress Ecocardiografia Giardini Naxos, Messina, Italy 22, March 2002
25. Rapporteur at the XXXIII Congresso Nazionale di Cardiologia ANMCO Firenze, Italy, 18-22 May 2002
26. Rapporteur at the 4th International Workshop on Challenges in Cardiovascular Imaging and Therapy, Cortina d'Ampezzo, Belluno, 18-21 September 2002

27. Rapporteur at the Convegno Cardiologia Nucleare e Cardiopatia Ischemica Legnago, Verona, Italy, 12 October 2002
28. Rapporteur at the XXIII Congresso Nazionale della Societa' Italiana di Cardiologia Invasiva, Verona, Italy 23-26 October 2002.
29. Rapporteur at the Convegno Siculo-Calabro dell'Associazione Nazionale Medici Cardiologi Ospedalieri, Cefalu', Italy 6-9 November 2002.
30. Rapporteur at the 63° Congresso della Societa' Italiana di Cardiologia, Roma, Italy, 14-18 December, 2002,
31. Rapporteur at the Convegno "Le Sindromi Coronariche Acute" Siracusa, Italy 16-17 May 2003
32. at the II Convegno "Attualita' in Cardiologia Interventistica" Messina, Italy, 13-14 June 2003.
33. Rapporteur at the Congresso Regionale ANMCO 2003, Agrigento 2-4 Ottobre 2003.
34. Rapporteur at the X Corso di Aggiornamento GICN, Arezzo 30 Ottobre -1 November 2003.
35. Rapporteur at the 1° Congresso di Cardiologia Interventistica del Mediterraneo, Ragusa, Italy, 7/8 November 2003.
36. Rapporteur at the Riunione Scientifica Regionale della SIC "Rischio cardiovascolare globale e prevenzione, confronto cardiologo clinico-cardiologo interventista, confronto cardiologo-cardiochirurgo" Palermo, Italy 11, November 2003.
37. Rapporteur at the II Congresso Regionale SIMEU, Caltanissetta 3 Dicembre 2003.
38. Rapporteur at the Congresso ANMCO Sicilia 2004, Siracusa, Italy, 28-30 April 2004.
39. Rapporteur at the 5° Congresso Nazionale ARCA, Porto Cervo 12-15 Maggio 2004.
40. Rapporteur at the Convegno Temi emergenti nella cardiologia del territorio Altavila Milicia Palermo, Italy 13-15 May 2004.
41. Rapporteur at the 2° Corso ECM 2004 ANCE La medicina nucleare in cardiologia, 5 June 2004, Catania.
42. Rapporteur at the Nuclear Cardiology Today 2004, The State of the Clinical Practice and Future Molecular Directions, Cesena, Italy 10-12 June 2004
43. Rapporteur at the Tokyo Percutaneous Coronary Intervention Conference (TOPIC), Tokio, Japan, 22-24 July 2004
44. Rapporteur at the Meeting Regionale IDEA (Italian Drug Evaluation in Angioplasty), Catania, Italy, 16 September 2004.

45. Rapporteur at the Nuove Frontiere in Cardiologia - 5° Corso di aggiornamento in Cardiologia Alleghe, Belluno, Italy, 17-19 Settembre 2004.
46. Rapporteur at the XXV Congresso Nazionale della Societa' Italiana di Cardiologia Invasiva, Napoli, Italy, October 6-9 2004.
47. Rapporteur at the VII Congresso Nazionale AIMN 2004, Palermo, Italy 15-19 October 2004.
48. Rapporteur at the "Corso di Aggiornamento e Formazione di Interventistica Cardiovascolare "Malattia a localizzazione pluridistrettuale – ruolo delle tecniche interventistiche" Ragusa, Italy, 22 October 2004.
49. Rapporteur at the Corso Intra Moenia: Cardiopatia ischemica ed imaging nucleare - Gruppo di Studio "Cardiologia Nucleare" Roma, Italy, 3 November 2004
50. Rapporteur at the 50° Convegno Scientifico della Societa' Italiana di Cardiologia, Catania, Italy, 19-20 November 2004.
51. Rapporteur at the Corso "Intergrazione ospedale-territorio nella diagnostica e nella terapia cardiologia moderna: opinioni a confronto", Catania, 20 November 2004.
52. Rapporteur at the 65⁰ Congresso Nazionale della Societa' Italiana di Cardiologia, Roma, Italy 11-15 December 2004.
53. Rapporteur at the Mediterranean Cardiology Meeting, Taormina, Messina, Italy 6-9 April 2005.
54. Rapporteur at the Corso ANMCO La cardiologia nucleare oggi: il cardiologo "in campo" 20 April 2005, Firenze
55. Rapporteur at the 28th Annual Scientific Session of the SCAI, Ponte Vedra, Florida 4-7 May, 2005.
56. Rapporteur at Corso Intra Moenia Cardiopatia Ischemica ed Imaging Nucleare, Roma, Italy, 15 June 2005.
57. Rapporteur at Meeting su Nuove Tecniche di Cardiologia Interventistica, Catania, Italy 24-25 June 2005
58. Rapporteur at the **TOPIC 2005 "Tokio Percutaneous coronary Intervention Conference"** Tokio, Japan, 21-23 July 2005
59. **Rapporteur with Live Case Operator at the XXVI Congresso Nazionale della Societa' Italiana di Cardiologia Invasiva, Genova, 28 September - 1 October 2005.**
60. Rapporteur at the 1° Corso di aggiornamento su "La gestione del paziente cardiologico prima e dopo il trattamento in ospedale". Catania, Italy 22 October 2005.

61. Rapporteur at the Corso Educazionale Nazionale “Lo shock nell’infarto miocardio acuto” Carzago di Calvagese della Riviera, Brescia, Italy 28-29 October 2005.
62. Rapporteur at the XI corso di aggiornamento GICN, Spoleto, Perugia 3-5 November 2005.
63. Rapporteur at the LI Convegno Scientifico della Societa’ Italiana di Cardiologia, Sezione Regionale Siciliana, 7-8 November 2005.
64. Rapporteur at the Giornate Cardiologiche Aretusee 2005, Siracusa, Italy 2-3 December 2005.
65. Rapporteur at the 66° Congresso Nazionale della Societa’ Italiana di Cardiologia, Roma, Italy 10-13 December 2005.
66. Rapporteur at the Tigullio Cardiologia 2006 Santa Margherita Ligure, Genova, Italy 16-18 February 2006.
67. Rapporteur at the 2° Corso di aggiornamento su “La gestione del paziente cardiologico prima e dopo il trattamento in ospedale” Catania 25, March 2016.
68. Rapporteur at the Summit TCT Asia Pacific, Seoul, Korea 26-28 April 2006.
69. Rapporteur at the 6° Corso di Aggiornamento in Cardiologia, Nuove Frontiere in Cardiologia, Cortina d’Ampezzo, Belluno, Italy, 8-10 September 2006.
70. Rapporteur at the Corso su la “Gestione delle Emergenze in Medicina Generale”, presso Azienda Policlinico, Università di Catania, Catania, Italy 23 September-11 November 2006.
71. Rapporteur at the European Bifurcation Club Meeting, Roma, Italy, 29-30 September 2006.
72. Rapporteur at the XXVII Congresso Nazionale della Societa’ Italiana di Cardiologia Invasiva, Genova, Italy, 3 - 6 October 2006.
73. Rapporteur at the “L’imaging nucleare nella cardiopatia ischemica per una migliore scelta clinico terapeutica”, Catania, Italy, 13 October 2006.
74. Rapporteur at the La malattia aterosclerotica nel nuovo millennio, Siracusa, Italy 14 October 2006.
75. Rapporteur at the “Valutazione e gestione del dolore toracico, Catania, Italy 27-28 October e 24-25 November 2006.
76. Rapporteur at the LII Convegno Scientifico della Sezione Regionale Siciliana della Società Italiana di Cardiologia, Messina, Italy 6-7 November 2006.
77. Rapporteur at the Convegno su “L’imaging nucleare nella cardiopatia ischemica per una migliore scelta clinico terapeutica, Colli del Tronto (Ap), Italy, 24 November 2006.

78. Valutazione e gestione del dolore toracico, Catania, Italy 27-28 October e 24-25 November 2006.
79. Rapporteur at the 67° Convegno Scientifico della Societa' Italiana di Cardiologia, Roma, Italy, 16-19 December 2006.
80. Rapporteur at the Singapore LIVE 2007, Singapore, 22-24 January 2007.
81. Rapporteur at the Chronic Total Occlusion Summit, Go Trough CTO, Rivoli, Torino, Italy, 19-20 April 2007.
82. Rapporteur at the 12° Annual Summit Angioplasty, TCT Asia Pacific, Seoul Korea 25-27 April 2007.
83. Rapporteur at the XXXVIII Congresso Nazionale di Cardiologia ANMCO, Firenze, Italy, 3-5 June 2007.
84. Rapporteur at the Workshop on: Current Options Treatment for Coronary Chronic Total Occlusions, Rome, Italy, 8 June 2007.
85. Rapporteur at the 3D Quantitative Angiography , Castel Mella, Brescia, Italy 5 July 2007.
86. Rapporteur at the Kumed Simposio di Cardiologia Clinica. Landshut, Monaco, 27 September 2007.
87. Rapporteur at the EBC 3rd European Bifurcation Club, Valencia, Spain, 28-29 September 2007.
88. Rapporteur al XXVIII Congresso Nazionale della Societa' Italiana di Cardiologia Invasiva, Genova, Italy, October 2-5 2007.
89. Rapporteur al 9^e Congres Francophone de Cardiologie Interventionelle, The Paris Cardiovascular Interventions Course, Paris, France, 10-12 October 2007.
90. Rapporteur at the CTO's Academy, Corso Teorico Pratico sul Trattamento delle CTO, Brescia, Italy, 18 October 2007.
91. Rapporteur at the Giornate Cardiologiche Aretusee 2007, Siracusa, Italy, 19-20 October, 2007.
92. Rapporteur at XII Corso di Aggiornamento GICN di Cardiologia Nucleare 2007, Sestri Levante, Genova, Italy, 25-27 October 2007.
93. Rapporteur at the Corso "Ruolo del medico di medicina generale nella gestione del paziente fumatore" Taormina, Messina, Italy 10, November 2007.
94. Rapporteur at the 2nd European Interventional Cardiology Fellows Course, London, England, 15-17 Novembre 2007.
95. Rapporteur at the TEAM 2007 Terapia Endovascolare & Miocardia, Madrid, Spain, 28-30 November 2007.

96. Rapporteur at the I Congresso Siciliano di Cardiologia e Cardiochirurgia 29-30 November -1 December 2007.
97. Rapporteur at the Ioannina Cardiovascular Education 2007, Ioannina, Greece, December 6-8, 2007.
98. Rapporteur at the 68° Congresso Nazionale della Societa' Italiana di Cardiologia Roma, Italy 15-18 December 2007.
99. Joint Interventional Meeting Roma, Italy, 14-16 February 2008.
100. Rapporteur at the CTO Summit, New York , USA, 21-22 February 2008.
101. Rapporteur at the European CTO Workshop, 29 February-1 March 2008, Massy, Paris, France.
102. **Rapporteur with Live Case Operator at the IV Corso di Specializzazione in Emodinamica e Cardiologia Interventistica – Angioplastica coronarica in sottogruppi a rischio: pazienti multivasali e occlusioni totali coroniche Istituto Clinico Humanitas, Rozzano, Milano, 8 April 2008.**
103. Rapporteur at the Course on “Chronic Total Occlusion Treatment”, presso l’Azienda Ospedaliera - Universitaria Ospedali Riuniti, Trieste, Italy, 12 April 2008.
104. Rapporteur at the II CTO Workshop, Torino 17-18 Aprile Osp S. Giovanni Bosco.
105. Rapporteur at the Corso di aggiornamento “Temi dibattuti in cardiologia Invasiva “ Palermo 17-18 April 2008.
106. Rapporteur at the Mediterranean Cardiovascular Course Marrakesh, Marocco, 23-26 April 2008.
107. Rapporteur at the CTO’s Academy, Corso Teorico Pratico sul Trattamento delle CTO, Brescia, Italy, 8 May 2008.
108. Rapporteur at the Corso “Importanza della medicina nucleare in chirurgia” Catania, Italy, 9 May 2008.
109. Rapporteur at the PCR 2008, Barcellona, Spain, 13-16 May 2008.
110. **Rapporteur with Live Case Operator CTO’s Academy, Workshop sul Trattamento delle CTO, Roma, Italy, 17-18 June 2008.**
111. Rapporteur at the CTO Club The 10 Seminar of Angioplasty of Chronic Total Occlusions Toyohashi, Aichi, Japan, 20-21, June 2008.
112. Rapporteur al SIM 2008 , Focus on the Real World” use of DES, Catania, Italy, 26-28, June 2008.
113. Rapporteur at the Total Occlusion and Bifurcation Interventions TOBI Congress, Mestre, Venezia, Italy 11-12 Settembre 2008.
114. **Rapporteur with Live Case Operator at the Belgrade CTO Mini-Summit, Belgrade, Serbia 12-13 September 2008.**

115. Rapporteur at the Nuclear Cardiology and Integrated Cardiovascular Imaging Today 2008, Cesena, Italy, 18-20 September 2008.
116. Rapporteur at the XXIX Congresso Nazionale della Societa' Italiana di Cardiologia Invasiva, Bologna, Italy, 23-26 September 2008.
117. Rapporteur at CTO's Academy, Corso Teorico Pratico sul Trattamento delle CTO, Brescia, Italy, 13 November 2008.
118. Rapporteur at the 3° Congresso Nazionale di Cardiologia, "Nel cuore della Magna Grecia 2008" Siracusa, Italy 20-22 November 2008.
119. Rapporteur at the CTO Symposium, Torino, Italy, 26-27 November 2008.
120. Rapporteur at the Ioannina Cardiovascular Education ICE 2008, Ioannina, Greece, December 4-6 2008.
121. Rapporteur at the 69° Congresso Nazionale della Societa' Italiana di Cardiologia Roma, 13-16 December 2008.
122. Rapporteur at the 2nd Meeting of the Egyptian CTO Club, Kobry El Kobba Military Hospital, Cairo, Egypt, 17 January 2009.
123. Rapporteur at the Complex Cardiac Therapeutics 2009, Kobe, Japan, 29-31 January 2009.
124. Rapporteur at the Chronic Total Occlusion Summit Interactive CTO Case Reviews, New York, NY, USA 5-6 February 2009.
125. Rapporteur at the Joint Interventional Meeting, Roma, Italy, 12-14 February 2009.
126. Rapporteur at the IInd European CTO Workshop 27, Massy, Paris, France 28 February 2009.
127. Rapporteur at the Invatec's World Wide Sales Partner, Meeting Brescia Italy, 4 March 2009
128. Rapporteur at the Clinical and Technical aspects of Chronic Total Occlusions (CTOs) Module 1A, Crossroads Institute, Park Lane, Cullinanlaan 2B, 1831 Diegem, Bruxelles, Belgium, 17-18 March 2009.
129. **Rapporteur with Live Case Operator at the 5th BelgrAde Summit of Interventional Cardiologists (BASICS), Belgrade, Serba, 5-8 April 2009.**
130. Rapporteur at the CTO Workshop, San Camillo Hospital, Roma, Italy, 29 Aprile 2009.
131. Rapporteur at the 32nd Annual Scientific Session dello SCAI, Las Vegas, USA, 6-9 May, 2009.
132. Rapporteur at the Euro PCR 09, Barcellona, Spain 19-22 May 2009.
133. Rapporteur at the 1st Anatolian Course of Interventional Cardiology "Advanced Angiopalsty Course", Antalya, Turkey, 27-28 May 2009.

134. Rapporteur at the 40° Congresso ANMCO, Florence, 4-7 June 2009.
135. Rapporteur at the CTO Workshop, Policlinico Gemelli, University La Cattolica, Rome, Italy 8-9 June 2009.
136. Rapporteur at the 11th CTO Club, Toyohashi, Japan 12-13 June 2009.
137. Rapporteur at the CID: New Technologies and Clinical Evidences, Perugia., Italy 26-28 June 2009.
138. Rapporteur at the Total Occlusion and Bifurcation Interventions TOBI Congress, Mestre, Venezia, Italy, 10-11 September 2009.
139. Rapporteur at XIX Congresso Nazionale ANCE, Taormina, Messina, Italy, 8-11 October 2009.
140. Rapporteur at 5th European Bifurcation Club Meeting, Berlin, Germany 16-17 October 2009.
141. Rapporteur at XXX Congresso Nazionale della Societa' Italiana di Cardiologia Invasiva, Bologna, Italy, 20-23 October 2009.
142. Rapporteur at the "The Expert "LIVE" Workshop 2009, Taormina, Messina, Italy, 30-31 October 2009.
143. Rapporteur at XIII Corso di Aggiornamento GICN 2009, Perugia, Italy 5-7 November 2009.
144. Rapporteur at CTO Symposium 2009, Torino, Italy, 26-27 November 2009.
145. Rapporteur at Riunione di Cardiologia "40 di tutto cuore" I primi quarant'anni di cardiologia a Catania, Catania, Italy, 28 November 2009.
146. Rapporteur at 70° Congresso Nazionale della Societa' Italiana di Cardiologia Roma, Italy, 12-15 December 2009.
147. Rapporteur at Complex Cardiovascular Therapeutics CCT 2010, Kobe, Japan 28-30 January 2010
148. Rapporteur at Chronic Total Occlusion Summit New York, NY, USA 4-5 February 2010.
149. Rapporteur at Joint Interventional Meeting, Roma, Italy, 11-13 February 2010.
150. Rapporteur at Cardiovascular Research Technologies (CRT), Washington DC, 21-23 February 2010.
151. Rapporteur at 37th Annual Scientific Meeting of the Egyptian Society of Cardiology, Cairo, Egypt, 22-26 February 2010.
152. **Rapporteur with Live Case Operator at the 3rd CTO ICPS Workshop, Massy, Paris, France, 26-27 February 2010.**
153. Rapporteur al V° International Interventional Forum, Torino, Italy 4-5 March 2010

154. **Rapporteur with Live Case Operator PCI at 1st Lublin Chronic Total Occlusion International Meeting, Lublin, Poland 19-20 March 2010.**
155. Rapporteur at Conoscere e Curare il Cuore 2010, Firenze, Italy, 26-28 March 2010.
156. Rapporteur at China Interventional Therapeutics, Pechino, China, 31 March-3 April 2010.
157. Rapporteur at 6th BelgrAde Summit of Interventional Cardiologists (BASICS) Belgrade, Serbia, 10-13 April 2010.
158. Rapporteur at Convegno "Idee ANMCO 2010. Interrogativi dell'interventistica cardiovascolare nel 2010", Palermo, Italy, 15-16 April 2010.
159. Rapporteur at 59th ESCVS International Congress and 6th Congress of Update in Cardiology and Cardiovascular Surgery, Smirne, Turchia, 15-18 April 2010.
160. Rapporteur at INTERcardio 2010, Roma, Italia, 21-23 April 2010.
161. **Rapporteur with Live Case Operator at 17th National Interventional Cardiology Meeting, Arrhythmia 2010 and ACC-i2Hot Topics, Istanbul, Turkey 22-25 April 2010.**
162. **Rapporteur with Live Case Operator at 12th Seminar of Angioplasty of Chronic Total Occlusions Toyohashi, Aichi, Japan, 11-12 June 2010.**
163. Rapporteur at Les 7^{mes} Journees Tuniso Europeennes de Cardiologie Pratique, Sousse, Tunisia, 17-19 June 2010.
164. Rapporteur at TOBI 2010, Mestre, Venezia, Italy, 9-10 September 2010.
165. Rapporteur at TCT 2010, Washington DC, USA 21-25 September, 2010
166. Rapporteur at Simposyum La Medicina Nucleare in Cardiologia, Catania, Italy, 30 September 2010.
167. Rapporteur at the Euro CTO Club 15-16 October 2010.
168. Rapporteur at 31th Congresso Nazionale della Societa' Italiana di Cardiologia Invasiva Genova, Italy, 19-22 October 2010.
169. Rapporteur at 6th European Bifurcation Club, Budapest, Ungheria, 22-23 October 2010.
170. Rapporteur at the Meeting Italian CTO club, Catania, Italy 12-13 November 2010.
171. Rapporteur at the Course of Progress in Interventional Cardiology, 3 December 2010, Rome, Italia.
172. Rapporteur at the 71^o Congresso Nazionale della Societa' Italiana di Cardiologia, Roma 11-13 December 2010.
173. Rapporteur at the JIM 2011, 10-12 February 2011, Rome, Italy.
174. Rapporteur at the 8th Chronic Total Occlusion Summit and Left Main Coronary Interventions New York, NY, USA 14-16 February 2011.

175. **Rapporteur with Live Case Operator at India Live 18-20 February 2011, Mumbai, India.**
176. Rapporteur at the Saudi Heart Association 22nd Annual Conference 21-24 February 2011, Riyadh, Saudi Arabia.
177. Rapporteur at the CRT 2011, February 27 -March 1 2011, Washington DC, USA
178. Rapporteur at IVth ICPS CTO Workshop, Massy, Paris, France 5th March 2011.
179. **Rapporteur with Live Case Operator at the 2nd Lublin Chronic Total Occlusion International Meeting, Lublin, Poland 25-26 March 2011.**
180. Rapporteur at the American College of Cardiology, 60th Annual Scientific Session/ Innovation in Intervention New Orleans, USA 2-5 April 2011.
181. Rapporteur at the 7th BelgrAde Summit of Interventional Cardiologists (BASICS), Belgrade, Serbia, 8-12 April 2011.
182. Rapporteur at the “Update in Cardiologia Invasiva”, Cosenza, Italy 16, April 2011.
183. Rapporteur at Euro PCR, Paris, France, 1-20 May 2011.
184. Rapporteur at Annual Meeting of the Swiss Societies for Cardiology 8-10 June 2011, Basel, Switzerland.
185. Rapporteur at Live Transmission “The Secrets for Coronary Total Occlusions (CTO) Recanalisation in 2011”, UMG, 15 June 2011, Catanzaro, Italy
186. Rapporteur at “Meet the Masters”, Institute for Therapy Advancement, 16-17 June 2011, Paris, France.
187. Rapporteur at 32^o Congresso Nazionale della Societa Italiana di Cardiologia Invasiva, 11-14 October 2011, Genova, Italy.
188. Rapporteur at the The Expert “live” Workshop 23-24 September 2011 Weisbaden, Germany.
189. Rapporteur at the “Update in Cardiologia Interventistica” 20 anni di Emodinamica al Moscati, Avellino, Italy, 22, October 2011.
190. Rapporteur at the Annual Congress and Educational Course on Complex Coronary Interventions, Working Group on Interventional Cardiology of the Hungarian Society of Cardiology, 26-29 October 2011, Szeged, Hungary.
191. Rapporteur at Primo Corso Teorico Pratico sulle Occlusioni Coronariche Croniche, 4-5 November 2011, Ascoli Piceno, Italy.
192. Rapporteur at TCT 2011, San Francisco, California, USA, 7-11 November 2011.
193. Rapporteur at Meeting Cuore e Diabete, Hotel Nettuno, Catania, Italy, 26 November 2011
194. Rapporteur at the TRIS 2011, Roma 29-30 November 2011.
195. Rapporteur at CRT Meeting, Washington, USA 4-7 February, 2012.

196. Rapporteur at the Complex PCI: Left Main and CTO Summit, New York, USA 23-25 February 2012.
197. Rapporteur at the CTO Summit, Turin, Italy, 8-9 March 2012.
198. **Rapporteur with Live Case Operator at the 3rd International LCTO Lublin, 16-17 March 2012 Poland.**
199. **Rapporteur with Live Case Operator at the 1st European Live Summit on Retrograde CTO Revascularization, University of Catania, Cannizzaro Hospital, 30-31 March 2012, Catania, Italia.**
200. Rapporteur at the CLIC, Caltanissetta, Italy, 13-14 April 2012
201. Rapporteur at the Congresso Regionale ANMCO Sicilia, 19-21 April 2012, Giardini Naxos, Messina, Italy.
202. Rapporteur at the Societe Suisse de Cardiologie. Lausanne, Switzerland 13-15, June 2012.
203. Rapporteur at the Secondo Corso Teorico pratico sul trattamento percutaneo delle occlusioni coronariche croniche 22-23 June 2012, Ascoli Piceno, Italy
204. **Rapporteur with Live Case Operator at the MTE 2012 - 7th Interventional Symposium on High Risk Coronary Interventions 26-28 June, Lugano, Switzerland.**
205. Rapporteur at the ESC Congress 2012, 25-29 August, Munich, Germany.
206. Rapporteur at the Expert "LIVE" Workshop from the Euro CTO Club 2012, 21-22 September, London, England.
207. Rapporteur at TCT 2012, 22-26 October 2012, Miami, Florida, USA.
208. Rapporteur at the Convegno Innovazione Tecnologica in Cardiologia, 23 November 2012, Catania, Italy.
209. Rapporteur at Progress in Interventional Cardiology 7 December 2012, Rome, Italy.
210. **Rapporteur with Live Case Operator at the Kobry El Kobba Military Hospital CTO Conference 9 February 2013, Il Cairo, Egypt.**
211. Rapporteur at Corso ECM "Integrazione Ospedale-Territorio nella gestione del paziente con fattori di rischio multipli" Modica Palace Hotel, Modica, Ragusa 15-16 February 2013.
212. **Rapporteur with Live Case Operator at the 4th International LCTO Lublin, 15-16 March 2013 Poland.**
213. Rapporteur at the 2nd International Conference Benghazi Medical Center, 29-31 March 2013, Bengasi, Libia.

214. **Rapporteur with Live Case Operator of the 2nd European Live Summit on Retrograde CTO Revascularization, University of Catania, Ospedale Cannizzaro, 12-13 April 2013, Catania, Italia.**
215. Rapporteur at the 25th TKd Girisimsel, Antalya, Turkey, 12-21 April 2013.
216. Rapporteur at the Mediterranean Cardiology Meeting, Catania, Italy, 20-22 April 2013.
217. Rapporteur at the 14 Seminar of angioplasty of chronic total occlusions, Nagoya, Japan, 9-10 May 2013.
218. Rapporteur at the ANMCO Sicilia, Congresso Regionale 2013, Caltagirone 13-14 Giugno 2013.
219. Rapporteur at the Meeting, “La rivascolarizzazione miocardica nei pazienti complessi”, 14-15 June 2013, Ravenna, Italy.
220. **Rapporteur with Live Case Operator at the SZEKTOR 2013, University of Szeged, Unghery.**
221. Rapporteur at The expert “LIVE” Workshop dell’Euro CTO Club 27-28 September 2013, Paris, France.
222. Rapporteur at the 34th National Congress of the Italian Society of Invasive Cardiology, 9-11 October 2013 Genoa, Italy.
223. Rapporteur at the 25th Annual Transcatheter Cardiovascular Therapeutics Conference TCT, 27 October - 1 November 2013, San Francisco, California, USA.
224. Rapporteur at the 74⁰ Congress of the Italian Society of Cardiology 14-16 December 2013, Rome, Italy.
225. Rapporteur at the Chronic Total Occlusion and Left Main Summit: A live Case Demonstration Course, February 27- 1 March 2014, New York, New York, USA.
226. **Rapporteur with Live Case Operator of the 3rd European Live Summit on Retrograde CTO Revascularization, University of Catania, Tokuda Hospital, Sofia Bulgaria 4-5 April 2014.**
227. Rapporteur at the XVIII Warsaw Course on Cardiovascular Interventions, 9-11 April 2014, Warsaw, Poland.
228. **Rapporteur with Live Case Operator at the CTO Summit 2014, 10-11 April, Turin, Italy.**
229. **Rapporteur with Live Case Operator at the BASICS (BelgrAde Summit of Interventional Cardiologists), Belgrade, Serbia, 23-26 April 2014.**
230. Rapporteur at the 2VRT Vascular and Valvular Restorative Therapy 8-9 May 2014, Lisbon, Portugal.

231. Rapporteur at the 45° Congresso Nazionale di Cardiologia dell'ANMCO 2014, 29-31 May 2014 Florence, Italy.
232. Rapporteur at the 8th Interventional Symposium on High Risk Cardiac Interventions, Meet The Experts MTE 2014, 24-26 June 2014, Lugano, Svizzera.
233. Rapporteur at the Meeting of the ANMCO 2014 "Meteoriti. Sfidare l'ictus nella fibrillazione atriale" 18 September 2014, Catania, Italy.
234. Rapporteur at the The expert "Live" Workshop 2014, 25-26 September 2014, Madrid, Spagna.
235. Rapporteur at the "Corso Decision Making nelle Sindromi Coronariche Acute" 3 October 2014, Catania.
236. Rapporteur at the 35° National Congress Italian Society of Invasive Cardiology, 14-17 October 2014, Genova, Italy.
237. Rapporteur at the Congress on Latest PCI trends, 20-21, November 2014, Moscow, Russian Federation.
238. Rapporteur at the Meeting "Dalle linee guida all'applicazione nella vita reale casi clinici interattivi" 29, November 2014, Catania, Italy.
239. Rapporteur at the Progress in Interventional Cardiology, 5 Dicembre 2014, Roma.
240. Rapporteur at the 75° Congresso Nazionale della Società Italiana di Cardiologia, 13-15 December 2014, Rome, Italy.
241. Rapporteur at the Etna Cuore 2015, Update in Cardiologia, 2-4 February 2015, Catania, Italy.
242. **Live Case Operator at the CTO Summit 2015 26-27 February 2015, at Columbia University Medical Center, New York, USA.**
243. Rapporteur of the 6th CTO day, at the Riga East Hospital, 10-11 April, 2015, Riga Lettonia.
244. Rapporteur at the XIX Warsaw Course on Cardiovascular Intervention, 14-16 April 2015, Varsavia, Polland.
245. **Live Case Operator at the CTO Summit 2015, 16-17 April, Torino, Italy.**
246. Rapporteur at the Mediterranean Cardiology Meeting 18-20 April 2015, Catania
247. **Rapporteur and Live Case Operator at the 9th BelgrAde Summit of Interventional Cardiologists BASICS, at the Clinical Center of Serbia, Belgrade and at the Clinical Center of Nis, Serbia, 22-25 April 2015.**
248. **Rapporteur and Live Case Operator of the 4th European Live Summit on Retrograde CTO Revascularization, University of Catania, University of Zurich, University of Thessaloniki, Zurich Switzerland, 8-9 May 2015.**

249. Rapporteur at EURO PCR 2015, Paris, France, 19-22 May 2015.
250. **Live case operator at the Les 12emes Journees Tuniso Europeennes de Cardiologie Pratique 4-6 June 2015, Sousse, Tunisie.**
251. **Rapporteur, and Live Case Operator at the The Expert “Live” Workshop 2015 of the Euro CTO Club, Istanbul, Turkey, September, 18-19 2015.**
252. Rapporteur at the Congresso Regionale ANMCO Sicilia 2015, Valderice, Trapani, 2-3 October 2015.
253. Rapporteur at the 27^o Annual Transcatheter Cardiovascular Therapeutics Conference, 11-15 October 2015, San Francisco, California, USA.
254. **Rapporteur, and Live Case Operator from the Jagiellonian University Medical College at the 16th Interventional Cardiology Workshop “New Frontiers in Interventional Cardiology, 25th-28th November 2015, Krakow, Poland.**
255. Rapporteur at the 76^o Congresso Nazionale della Società Italiana di Cardiologia, 11-14 December 2015, Rome, Italy.
256. **Rapporteur and Live Case Operator at 4th IMC Live 2016, Chronic Total Occlusion Summit, Jeddah, Arabia Saudita, 14-15, January 2016, at IMC Jeddah, Arabia Saudita.**
257. Rapporteur at the Chronic Total Occlusion (CTO) Coronary Intervention, Prince Sultan Cardiac Center Qassim, Saudi Arabia, 18 January 2016.
258. **Rapporteur, and Live Case Operator at the SASCI Chronic Total Occlusion (CTO) Workshop 05 & 06 February 2016, Johannesburg, South Africa.**
259. Rapporteur at the JIM 2016, 11-13 February 2016, Rome, Italy
260. **Rapporteur and Live Case Operator at Cardioegypt 2016, 22-25 February 2016, Cairo, Egitto.**
261. **Live Case Operator al CTO Summit, New York, 25-26 February 2016 at the Columbia University Medical Center, New York, USA.**
262. **Rapporteur and Live Case Operator at the Experts Summit 16, Dubai, 10-11 March 2016.**
263. **Rapporteur and Live Case Operator at 7th CTO live case meeting, Lublin, Polland, 18-19 March 2016.**
264. Rapporteur at the XX Warsaw Course on Cardiovascular Interventions, Warsaw, Polland, 6-8 April 2016.
265. **Live Cases Operator at the CTO Summit 2016, 14-15 April 2016, Turin, Italy.**

266. Live Cases Operator **BelgrAde Summit of Interventional Cardiologists BASICS, Belgrado, Serbia, 17-19 April 2016.**
267. Rapporteur and Live Case Operator, at **5th European Live Summit on Retrograde CTO Revascularization** University of Catania, University of Zurich, University of Thessaloniki **22-23 April 2016, Vienna, Austria.**
268. Rapporteur at the Symposium “I tempi del cuore”, 29-30 April 2016, Syracuse, Italy.
269. Rapporteur at the Complex Lesion Meet The Expert Sessions, 18 May 2016, Paris France.
270. **Rapporteur, and Live Cases Operator at the 13^o Journees Tuniso Europeennes de Cardiologie Pratique, 26-28 May 2016, Hammam, Sousse, Tunisie.**
271. **Rapporteur and Live Cases Operator at Cardioalex, Alexandria 31 May - 3 June 2016, Alexandria, Egypt.**
272. Rapporteur at the 9th Interventional Symposium on High Risk and Innovative Cardiac Interventions MTE 2016, Lugano 21-23 June 2016, Switzerland.
273. Rapporteur at the Corso ANMCO Aggiornamenti di Interventistica Cardiovascolare, 23-24 June 2016, Palermo, Italia.
274. Rapporteur at the Complex Cardiovascular Catheter Therapeutics, 27 June - 1 July 2016 Orlando Florida, USA.
275. Rapporteur at the ML CTO Course 1-2 July 2016, Nice Francia.
276. Rapporteur at the 8th International Razavi Cardiovascular Congress 27-29 July 2016, Mashad, Iran.
277. Rapporteur at the congress “Scilla Cuore” XVI Edition, 22-25 September 2016, Reggio Calabria, Italy.
278. **Rapporteur and Live Cases Operator at The Expert “Live” Workshop 2016 Euro CTO Club, Crakow, Polland September, 30 September -1 October 2016.**
279. Rapporteur at the 37^o Congresso Nazionale Societa Italiana di Cardiologia Interventistica, 11-14 October 2016, Genoa, Italy.
280. Rapporteur at the Congresso Regionale ANMCO Sicilia 2016, 20-22 October 2016, Catania, Italia.
281. Rapporteur at the 11th Congress of the Croatian Cardiac Society, 3-6 November 2016, Zagabria, Croazia.
282. Rapporteur at the 77^o Congresso Nazionale della Società Italiana di Cardiologia, 16-17 December 2016, Rome, Italy.
283. **Rapporteur and Live Cases Operator at the IMC 14-15 January 2017, Jeddah, Arabia Saudita.**

284. Rapporteur at the Congress Etna Cuore 2017 Update in Cardiologia 1-4 February 2017, Catania, Italy.
285. **Rapporteur and Live Cases Operator at the Department of Cardiology Medical University of Lublin, at the 8th CTO live case meeting in Lublin, Polland, 31 March - 1 April 2017.**
286. Rapporteur at CTO Summit 2017, Torino Italia 6-7 April 2017.
287. Rapporteur at Complex PCI Masters' Forum 13-14 April 2017, Cairo, Egypt.
288. **Rapporteur and Live Case Operator of the 6th European Live Summit on Retrograde CTO Revascularization, University of Catania, University of Zurich, University of Thessaloniki, Zurich Switzerland, 28-29 April 2017.**
289. **Rapporteur and Live Case Operator of the Chronic Total Occlusion, Modena Italy, 9 May 2017.**
290. Rapporteur at PCR, Paris, France 16-19 May 2017.
291. Rapporteur at Cardioalex 25-26 May 2017, Alexandria, Egypt.
292. Rapporteur at the Complex Cardiovascular Catheter C3, 27-29 June 2017, Orlando, Florida, USA.
293. Rapporteur at the Multi Level CTO Course, 29 June - 1 July 2017, Nice, France.
294. **Rapporteur and Live Case Operator at the Iran CTO Meeting, 27-28 July 2017, Mashad, Iran.**
295. Rapporteur at the ESC Congress 2017, 26-30 August 2017, Barcellona, Spain.
296. **Rapporteur and Live Case Operator at the The Expert "Live" Workshop 2017 Euro CTO Club, Berlino, Germania, 15-16 Settembre 2017.**
297. Rapporteur at the 38^o National Congress Italian Society of Interventional Cardiology (GISE), 10-13 October 2017, Milan, Italia.
298. **Rapporteur and Live Case Operator at the 25th Annual Meeting of the Alpe Adria Association of Cardiology, 12-14 Ottobre 2017, Budapest, Hungary.**
299. Rapporteur at the 5th Cardiology Highlights – The European Society of Cardiology Update Meeting, Dubrovnik, Croatia 9-22, October 2017.
300. Rapporteur at the Complex Cardiovascular Therapeutics CCT, 26-28 October 2017, Kobe, Japan.
301. Rapporteur al TCT 2017, 29 October – 2 November 2017, Denver, Colorado, USA.
302. **Rapporteur with Live Case Operator at the Chronic Total Occlusion Meeting – CTO 2017, 10-11 November 2017, Istanbul, Turkey.**
303. Rapporteur at Abbruzzo CTO Meeting, 24 November 2017, Pescara, Italy.
304. Rapporteur at the 7th Edition of the Lebanese Course on Revascularization 30 November / 1-2 December 2017, Beirut, Lebanon.

305. Rapporteur at the 78^o Congresso Nazionale Società Italiana di Cardiologia, 15-18 December 2017, Rome, Italy.
306. Rapporteur at the 6th Middle East CTO Summit IMC Live, 11-12 January 2018, Jeddah, Arabia Saudita.
307. **Rapporteur with Live Case Operator at the Taiwan Transcatheter Therapeutics, 13-14 January 2018, Taipei, Taiwan.**
308. Rapporteur at the Cardioluxor , 17-20 January 2018, Luxor, Egypt.
309. Rapporteur at the Chronic Total Occlusion Summit, 15-16 February 2018, New York, USA.
310. **Rapporteur with Live Case Operator at the 6th Iranian Cardiovascular Congress, 2 February- 2 March 2018, Teheran, Iran.**
311. **Rapporteur with Live Case Operator at the International Expert to Expert CTO Forum the 9th CTO live case, 16 -17 March 2018, Naleczow, Poland**
312. **Rapporteur with Live Case Operator at the 5th Noor Center Annual Cardiovascular Congress 9-14, April 2018, Sohag and Hurghada, Egypt**
313. Rapporteur at the CTO Summit 2018, Turin, 12-13 April 2018.
314. Rapporteur at the Scilla Cuore VXIII edizione, 19-22 April 2018.
315. Rapporteur at the Cairo CTO, 3-4 May 2018, Cairo, Egypt.
316. **Rapporteur with Live Case Operator at the IJCTO, 6th Live summit on Chronic Total Occlusion, 1-3, June 2018, Hyderabad, India.**
317. Rapporteur at the XXI Stretnutie Pracovnej Skupiny Invazivnej a Intervencnej Cardiologie SKS, 14-15 June 2018, Bratislava, Slovenska,.
318. Rapporteur at C3 Complex Cardiovascular Catheter Therapeutics, 17-20 June 2018, Orlando, Florida, USA.
319. Rapporteur at ESC, European Society of Cardiology, Munich, Germany, 25-29 August 2018.
320. **Rapporteur and Live Case Operator at the Expert “Live” Workshop 2018 Euro CTO Club, Tolouse, France, 14-15 September 2018.**
321. Rapporteur at the 4^o Annual Summit of Interventional Cardiologist of Khazakhstan, Almaty, Khazakhstan, 28-29 October 2018.
322. Rapporteur at the CTO Summit III, San Paolo, Brazil, 5-6 October 2018.
323. Rapporteur at the GISE, Italian Society of Interventional Cardiology, 16-19 October 2018, Milan, Italy.
324. Rapporteur at Complex Cardiovascular Therapeutics 25-27 October 2018, Kobe, Japan.

325. **Rapporteur and Live Case Operator at the IRAN CTO Meeting 2018, 5-6 December 2018, Mashad, Iran.**
326. **Rapporteur and Live Case Operator at the CTO Club 2018, 14-15 December 2018, Istanbul, Turkey.**
327. Rapporteur at the IMC Live 7th Middle East CTO Summit, 17-18 January 2019, Jeddah, Saudi Arabia.
328. Rapporteur at the Joint Interventional Meeting (JIM) 14-16 February 2019, Milan, Italy.
329. **Live Cases Operator at the bCTO Summit, New York, 28 February- 1 March 2019, at Columbia University Medical Center, New York, USA.**
330. Rapporteur at the Cardiovascular Research Technology CRT 19, 22-25 February 2019, Washington, USA.
331. **Rapporteur and Live Case Operator at the 3rd Annual International Cardiology Conference 2019, 16-22 March 2019, Cairo, Egypt.**
332. **Rapporteur with Live Case Operator at the International Expert to Expert CTO Forum the 10th CTO live case, 28-29 March 2018, Naleczow, Poland.**
333. **Rapporteur with Live Case Operator at the 4th Cardio Suli International Scientific Conference, 10-12 April, Sulaymania, Irak.**
334. Rapporteur at the Congress Scilla Cuore 28 April – 1 May, Scilla, Italy.
335. **Rapporteur with Live Case Operator at the 7th Live Summit on Chronic Total Occlusion, Indo Japanese CTO CLUB, 31 May – 2 June 2019, Lucknow, India.**
336. Rapporteur at the Etna Cuore Update in Cardiologia, 5-7 June 2019, Catania, Italy.
337. Rapporteur at the Workshop on Advances in Cardiovascular Imaging and Therapy, 16-19 June 2019, Erice, Trapani, Italy.
338. Rapporteur at the 4th multilevel course, MLCTO, 27-29 Giugno 2019, Nice, France.
339. Rapporteur at the “The Paul Wood Cardiovascular Grand Rounds” Royal Brompton & Harefield Hospital NHS Trust 19 July 2019, London, England.
340. **Rapporteur and Live Case Operator at the 11th Expert Live CTO Club 2019 13-14 September 2019, Berlin, Germany.**
341. Rapporteur at the Convegno ANCE XIX Edition di Temi Emergenti nella Cardiologia del Territorio 19-21 September 2019, Palermo, Italy.
342. **Rapporteur and Live Case Operator at the Iran CTO e Bifurcation Meeting 2019, 9-10 October 2019, Mashad, Iran.**

343. Rapporteur al the Workshop di Cardiologia Interventistica Strutturale, 11-12 October 2019, Monte Porzio Catone, Rome, Italy.
344. Rapporteur at the Corso di Aggiornamento ECM, la Cardiologia del Futuro, corso teorico pratico per giovani cardiologi, 19 October 2019, Palermo, Italy.
345. Rapporteur at the Complex Cardiovascular Therapeutics, 24-26 October 2019, Kobe, Japan.
346. Rapporteur at the Alhyatt Live 2019, 31 October – 1 November 2019, Alexandria, Egypt.
347. **Rapporteur and Live Case Operator at the CTO Essentials, 10th Chronic Total Occlusion Course, 7-9 November 2019, Istanbul, Turkey.**
348. Rapporteur at the LXI Congresso della Sezione Regionale Siciliana della Societa' Italiana di Cardiologia, 22-23, November 2019 Milazzo, Messina, Italy.
349. Rapporteur at the 80° SIC Congresso Nazionale 2019, Rome, Italy..
350. **Rapporteur and Live Case Operator at the CTO NHI 2019 Workshop, 21-22 December 2019, Cairo, Egypt.**
351. Rapporteur at the 8th IMC Live (IMC Cardiology Summit) 17-18 January 2020, Jeddah, Saudi Arabia.
352. **Rapporteur and Live Case Operator at the 12th Expert “Live” Workshop 2020 Euro CTO Club, Berlin, Germany, 11-12 September 2020.**
353. Rapporteur at TCT Connect on line, 14-18 October 2020.
354. Rapporteur at the LXII Congresso Regionale Sezione Siciliana Società Italiana di Cardiologia. Web based, 22-23 October 2020.
355. Rapporteur al Workshop Advances in Cardiovascular Imaging and Therapy 26-29 Ottobre 2020, Corso FAD Webinar, Erice, Trapani, Italy.
356. Rapporteur at the CTO Essential 11th Chronic Total Occlusion Course 26-28 November 2020, Istanbul, Turkey.
357. Rapporteur at the 81⁰ Congresso Nazionale della Societa Italiana di Cardiologia, 17-20 December, Webinar, Rome, Italy

Chairman at the following Congresses and Up-To-Date Courses:

1. Chairman at the “Seminario nazionale su infarto miocardico acuto e disfunzione ventricolare” Lucca, Italy, 17 October 1992.
2. Chairman at the Convegno Interregionale GICN 1997, Palermo, Italy, 9 May 1997.

3. Chairman at the Congresso Nazionale di Cardiologia XXXI dell'Associazione Nazionale Medici Cardiologi Ospedalieri, Firenze, Italy, 20-23, May 2000.
4. Chairman at the IV International Meeting "Nuclear Cardiology Today 2000 and Beyond", Cesena, Italy, 25-27 May 2000.
5. Chairman at the XLVI Convegno Scientifico della Societa' Italiana di Cardiologia, Sezione Regionale Sicilia, Giardini Naxos, Messina, Italy, 22-24 September 2000.
6. Chairman at the 5th International Conference of Nuclear Cardiology 2-5 May 2001.
7. Chairman at the 47° Convegno Scientifico della Sezione Regionale Siciliana della Societa' Italiana di Cardiologia Interregionale con la Sezione Calabrese, Palermo, Italy, 21 November 2001.
8. Chairman at XXIV Congresso Nazionale della Societa' Italiana di Cardiologia Invasiva, Genova, October 15-18 2003.
9. Chairman at the "2nd Course Cardiopatia Ischemica: Realta e Prospettive" Catania, Italy, 14-15 November 2003.
10. Chairman at the 64° Congresso Nazionale della Societa' Italiana di Cardiologia Roma, Italy, 6-10 December 2003.
11. Chairman at the "Progetto Catania Ecocardiografia 2004 dalla teoria all'applicazione clinica", Catania, Italy 27-29 May 2004.
12. Chairman at the Corso Teorico-Pratico di Interventistica Carotidea, Messina 12 November 2005.
13. Chairman at the 66° Congresso Nazionale della Societa' Italiana di Cardiologia, Roma 10-13 December 2005.
14. Chairman at the Tigullio Cardiologia 2006 Santa Margherita Ligure, 16-18 February 2006.
15. Chairman at JIM, Rome 16-18 February 2006.
16. Chairman at the Total Occlusion and Bifurcation Interventions TOBI Congress Venezia, Mestre, Italy 14-15 September 2006.
17. Chairman at the Simposium, "Linee Guida Interventistica Percutanea", Palermo, Italy, 8 September 2007.
18. Chairman at the Simposio di Interventistica Cardiovascolare, Taormina, Messina, Italy, 22 September 2007.
19. Chairman at the I° Congresso Siciliano di Cardiologia e Cardiochirurgia, Agrigento, Italy, 29-30 November, 1 December 2007.
20. Chairman at IV European Bifurcation Club Meeting Prague, Cech Republic 26-27 September 2008.
21. Chairman at the JIM 2011, 10-12 February 2011, Rome, Italy.

22. Chairman at the 8th Chronic Total Occlusion Summit and Left Main Coronary Interventions New York, NY, USA 14-16 February 2011.
23. Chairman at India Live 18-20 February 2011, Mumbai, India.
24. Chairman at Euro PCR Paris, France, 17-20, May 2011.
25. Chairman at SIM West, Agrigento, Italy, 23-25 June 2011.
26. Chairman at 32° Congresso Nazionale della Societa Italiana di Cardiologia Invasiva, 11-14 October 2011, Genova, Italy.
27. Chairman at JIM 2012, Rome, Italy 9-11 February 2012.
28. Chairman at the XXXIII National Congress of the Italian Society of Invasive Cardiology, 3-5 Ottobre 2012, Genoa, Italy.
29. Chairman at TCT 2012, 22-26 October 2012, Miami, Florida, USA.
30. Chairman at Complex Cardiovascular Therapeutics, 2-4 November 2012, Kobe, Japan.
31. Chairman at the 1° Congresso Regionale Siciliano SICI-GISE, 23 November 2012, Caltanissetta, Italy.
32. Chairman at 73° Congresso Nazionale della Societa' Italiana di Cardiologia, 15-17 Dicembre 2012 Rome, Italy.
33. Chairman at CTO Summit Turin, Italy, 28 February-1 March 2013.
34. Chairman at the 14th Seminar of angioplasty of chronic total occlusions, Nagoya, Japan, 9-10 May 2013.
35. Chairman at 44° Congresso Nazionale di Cardiologia ANMCO, Firenze, Italy, 30-1 June 2013.
36. Chairman at the meeting "Aggiornamenti in Cardiologia Interventistica 2013" 24-25 June 2013, Palermo, Italy.
37. Chairman at The expert "LIVE" Workshop dell'Euro CTO Club 27-28 September 2013, Paris, France.
38. Chairman at the 34th National Congress of the Italian Society of Invasive Cardiology, 9-11 October 2013 Genoa, Italy.
39. Chairman at the 25th Annual Transcatheter Cardiovascular Therapeutics Conference TCT, 27 October - 1 November 2013, San Francisco, California, USA.
40. Chairman at the Corso Attualita' nelle Linee Guida in Cardiologia, 23 November 2013, Catania, Italia.
41. Chairman at the 74° Congress of the Italian Society of Cardiology 14-16 December 2013, Rome, Italy.
42. Chairman at the Chronic Total Occlusion and Left Main Summit: A live Case Demonstration Course, February 27- 1 March 2014, New York, New York, USA.

43. Chairman at the The expert "Live" Workshop 2014, 25-26 September 2014, Madrid, Spagna.
44. Chairman at the 35° National Congress Italian Society of Invasive Cardiology, 14-17 October 2014, Genova, Italy.
45. Chairman at the III Congresso Regionale Siciliano SICI-GISE, 29 November 2014, Caltanissetta, Italy.
46. Chairman at the 1st Mediterranean Bioresorbable Scaffold Meeting, 19-20 December 2014, Agrigento, Italia.
47. Chairman at the XIX Warsaw Course on Cardiovascular Intervention, 14-16 April 2015, Varsavia, Polland.
48. Chairman at the Mediterranean Cardiology Meeting 18-20 April 2015, Catania, Italy.
49. Chairman at EURO PCR 2015, Paris, France, 19-22 May 2015.
50. Chairman at the Les 12emes Journees Tuniso Europeennes de Cardiologie Pratique 4-6 June 2015, Sousse, Tunisie.
51. Chairman at the 16th CTO Club Meeting, Nagoia, Japan, 19-20 June 2015.
52. Chairman at the The Expert "Live" Workshop 2015 of the Euro CTO Club, Istanbul, Turkey, September, 18-19 2015.
53. Chairman at the 27° Annual Transcatheter Cardiovascular Therapeutics Conference, 11-15 October 2015, San Francisco, California, USA.
54. Moderator at the 36° Congresso Nazionale Società Italiana di Cardiologia Invasiva, 27-30 October 2015, Genova, Italia.
55. Chairman at the 16th Interventional Cardiology Workshop "New Frontiers in Interventional Cardiology, 25th-28th November 2015, Krakow, Poland.
56. Chairman at the Experts Summit 16, Dubai, 10-11 March 2016.
57. Chairman a at 7th CTO live case meeting, Lublin, Polland, 18-19 March 2016.
58. Chairman at the XX Warsaw Course on Cardiovascular Interventions, Warsaw, Polland, 6-8 April 2016.
59. Chairman, at the 5th European Live Summit on Retrograde CTO Revascularization 22-23 April 2016, Vienna, Austria.
60. Chairman at the 13° Journees Tuniso Europeennes de Cardiologie Pratique, 26-28 May 2016, Hammam, Sousse, Tunisie.
61. Chairman at the Complex Cardiovascular Catheter Therapeutics, 27 June - 1 July Orlando Florida, USA.
62. Chairman at the ML CTO Course 1-2 July 2016, Nice Francia.

63. Chairman at the Complex Cardiovascular Therapeutics (CCT) 2016, 20-22 October 2016, Kobe, Japan.
64. Chairman at TCT 2016, 29 October – 2 November, Washington, USA.
65. **Chairman and live case operator at Cardioalex 2017, 16-19 January 2017, Cairo, Egypt.**
66. Chairman at the Chronic Total Occlusion Summit 2017: a live case demonstration Course 23-24 February 2017, New York , NY, USA.
67. Chairman at Complex PCI Masters' Forum 13-14 April 2017, Cairo, Egypt.
68. Chairman at the PCR 201, 16-19 May, Paris, France.
69. Chairman at the Complex Cardiovascular Catheter C3, 27-29 June 2017, Orlando, Florida, USA.
70. Chairman at the Multi Level CTO Course, 29 June - 1 July 2017, Nice, France.
71. Chairman at the al 5th Cardiology Highlights – The European Society of Cardiology Update Meeting, Dubrovnik, Croatia 9-22, October 2017.
72. Chairman at the Complex Cardiovascular Therapeutics CCT, 26-28 October 2017, Kobe, Japan.
73. Chairman at the TCT 2017, 29 October – 2 November 2017, Denver, Colorado, USA.
74. **Chairman and live case operator at Cardioalex 2018, 31 January – 2 Febraury 2018, Cairo, Egypt.**
75. Chairman at the Chronic Total Occlusion Summit, 15-16 February 2018, New York, USA.
76. Chairman at the 19th Seminar of Angioplasty of Chronic Total Occlusions CTO CLUB, 15-16 June 2018, Nagoya, Japan.
77. Chairman at ESC, European Society of Cardiology, Munich, Germany, 25-29 August 2018.
78. Chairman at the CTO Summit III, San Paolo, Brazil, 5-6 October 2018
79. Chairman at Complex Cardiovascular Therapeutics, 25-27 October 2018, Kobe, Japan.
80. Chairman at the IRAN CTO Meeting 2018, 5-6 December 2018, Mashad, Iran.
81. **Chairman and live case operator at the Taiwan Transcatheter Therapeutics Live Course 2018, 12-13 January 2018, Taipei, Taiwan.**
82. Chairman at the IMC Live 7th Middle East CTO Summit, 17-18 January 2019, Jeddah, Saudi Arabia.
83. Chairman at the Cardiovascular Research Technology CRT 19, 22-25 Febbraio 2019, Washington, USA.

84. Chairman at the CTO Summit 2019, 11-12 April 2019, Turin, Italy.
85. Chairman at the 7th Live Summit on Chronic Total Occlusion, Indo Japanese CTO CLUB, 31 May – 2 June 2019, Lucknow, India.
86. Chairman at What's up on: atrial fibrillation ablation, 8 June 2019, Palermo, Italy.
87. Chairman at the meeting Temi Dibattuti di Interventistica Cardiovascolare, 13-14 June 2019, Palermo, Italy.
88. Chairman at the European Congress of Cardiology, World Congress of Cardiology, 31 August - 4 September 2019, Paris, France.
89. Chairman at the 11th Expert Live CTO Club 2019, 13-14 September 2019, Berlin, Germany.
90. Chairman at the all'Iran CTO e Bifurcation Meeting 2019, 9-10 October 2019, Mashad, Iran.
91. Chairman at the 40^o Congresso Nazionale Società Italiana di Cardiologia Interventistica 15-18 October, Milan, Italy.
92. Chairman at the Complex Cardiovascular Therapeutics, 24-26 October 2019, Kobe, Japan.
93. **Chairman and live case operator at the Swiss CTO Summit 2019, 8-9 November 2019, St Gallen, Switzerland.**
94. Chairman at the Congress "III Simposio su il paziente complesso: attualità in cardiologia ed in nefrologia", 14-15 November 2019, Palermo, Italy.
95. Chairman at the GISE CTO 2019, 5-6 December 2019, Naples, Italy.
96. Chairman at the 8th IMC Live (IMC Cardiology Summit) 17-18 January 2020, Jeddah, Saudi Arabia.
97. Chairman at 12th Expert "Live" Workshop 2020 Euro CTO Club, Berlino, Germania, 11-12 September 2020.
98. Chairman at Conoscere e Curare il Cuore 2020, 1-4 October 2020, Florence, Italia.

Member of the Scientific Committee and Teacher:

1. Corso ANMCO "La cardiologia nucleare nel clinical decision making" Learning Center, Firenze, Italy, 19-20 October 1998.
2. "International Congress on Clinical and Interventional Cardiology" Taormina, Italy, 22-26 June 1999.
3. VIII Convegno GICN "Cardiologia Nucleare 1999" Fiuggi, Italy, 24-27 November 1999.

4. Corso ANMCO “Angina instabile – IMA non-Q: vecchi problemi, nuovi orizzonti” Catania, Italy, 23-24 March 2000.
5. “2nd International Congress on Clinical and Interventional Cardiology” Taormina, Italy, 25-29 May 2002.
6. XXIII Congresso Nazionale della Societa' Italiana di Cardiologia Invasiva, Verona, Italy, 23-26 October 2002.
7. Educational Course organized by Ordine dei Medici di Catania – Indicazioni e appropriatezza delle indagini strumentali in cardiologia (dal caso clinico alle linee guida) Catania, Italy 8. 15 and 22 January 2003
8. Joint Interventional Meeting Roma, Italy 13-15 February 2003.
9. Mediterranean Cardiology Meeting, Taormina, Messina, Italy, 10-12 April 2003.
10. 6th International Conference of Nuclear Cardiology, Firenze, Italy, 27-30 April 2003.
11. X Corso di Aggiornamento GICN, Arezzo, Italy, 30 October -1 November 2003.
12. Joint Interventional Meeting Roma, Italy, 12-14 February 2004.
13. Singapore LIVE 13th Annual Live Interventions in Vascular Endotherapy. Singapore 29-31 March 2004.
14. La Medicina Nucleare in Cardiologia 2° Corso ECM, ANCE, Catania, Italy, 5 June 04.
15. Joint Interventional Meeting Roma, Italy, 17-19 February 2005.
16. La cardiologia nucleare oggi – il cardiologo “in campo” Firenze, Italy, 20 April 2005.
17. Core Curriculum in Chronic Total Occlusions: Live Case Trasmission From the Interventional Catheterization Laboratory, Ospedale Ferrarotto, Catania, Italy, 3 October 2005.
18. XI Corso di Aggiornamento GICN “Cardiologia Nucleare 2005”, Spoleto, Perugia, Italy, 3-5 November 2005.
19. Joint Interventional Meeting Roma, Italy, 16-18 February 2006.
20. SIM 2006 Southern Interventional Meeting, Catania 28, June -1 July 1006.
21. “L’imaging nucleare nella cardiopatia ischemica per una migliore scelta clinico terapeutica”, Catania, Italy, 13 October 2006.
22. Valutazione e gestione del dolore toracico, Catania, Italy 27-28 October e 24-25 November 2006.
23. Joint Interventional Meeting Roma, Italy, 15-17 February 2007.
24. 3D Quantitative Angiography Innovative technologies in coronary interventions, Milano Italy, 5 July 2007.

25. TOBI Total Occlusion and Bifurcation Interventions Mestre, Venezia, Italy, 20-21, September 2007.
26. CTO's Academy, Corso Teorico Pratico sul Trattamento delle CTO, Brescia, Italy, 18 October 2007.
27. Joint Interventional Meeting Roma, Italy, 14-16 February 2008.
28. CTO Teaching College April-November 2008
29. IV Corso di Specializzazione in Emodinamica e Cardiologia Interventistica, Istituto Clinico Humanitas, Rozzano, Milano, Italy, 8 April 2008.
30. Course on "Chronic Total Occlusion Treatment", presso l'Azienda Ospedaliera - Universitaria Ospedali Riuniti, Trieste, Italy, 12 April 2008.
31. Corso di Aggiornamento "Temi dibattuti in cardiologia Invasiva", Palermo, Italy, 17-18 April 2008
32. CTO's Academy, Corso Teorico Pratico sul Trattamento delle CTO, Brescia, Italy, 8 May 2008.
33. CTO's Academy, Workshop sul Trattamento delle CTO, Roma, Italy, 17-18 June 2008.
34. CTO Club The 10 Seminar of Angioplasty of Chronic Total Occlusions Toyohashi, Aichi, Japan, 20-21, June 2008.
35. Belgrade CTO Mini-Summit, Belgrade, Serbia 12-13 September 2008.
36. CTO's Academy, Corso Teorico Pratico sul Trattamento delle CTO, Brescia, Italy, 13 November 2008.
37. Scuola di Formazione Superiore di Interventistica Cardiovascolare, Napoli, Italy, 5-6 October 2009.
38. Director of the Course: "The Expert "LIVE" Workshop 2009, Taormina, Messina, Italy, 30-31 October 2009.
39. Member of the Scientific Committee of the The Expert "LIVE" Workshop 2010, 15-16 October 2010, Thessaloniki, Greece.
40. Director of the Meeting Italian CTO club, Catania, Italy 12-13 November 2010.
41. Scuola di Formazione Superiore di Interventistica Cardiovascolare, Napoli, Italy, 19-20 Settembre 2011.
42. Co-Director of the The Expert "LIVE" Workshop 2011, 23-24 September 2011, Wiesbaden, Germany.
43. Co-Director of the Course SZECTOR on Complex Revascularization Techniques at the Catheterization Laboratory of University of Szeged, 26 October 2011, Szeged, Unghery.

44. Co-Director of the 1st European Live Summit on Retrograde CTO Revascularization, University of Catania, Cannizzaro Hospital, 30-31 March 2012, Catania, Italia.
45. Co-Director of the Secondo Corso Teorico Pratico sul Trattamento Percutaneo delle Occlusioni Coronariche Croniche (CTO) Ascoli Piceno, Italy 22-23 June 2012.
46. Co-Director of the Complex Angioplasty & CTO Summit 21-22 July 2012, Apollo Hospital, Hyderguda, Hydetabad, India.
47. Director of the Corso multimediale interattivo sulle strategie di trattamento della malattia coronarica: sindromi coronariche acute e angina stabile: dalle linee guida alla pratica clinica, 11 April 2013, Catania, Italia.
48. Co-Director of the 2nd European Live Summit on Retrograde CTO Revascularization, University of Catania, Ospedale Cannizzaro, 12-13 April 2013, Catania, Italia.
49. Co-director of the ZSECTOR, University of Yerevan, Armenia 18-19 September 2013.
50. Co-Director of the 3rd European Live Summit on Retrograde CTO Revascularization, University of Catania, Tokuda Hospital, Sofia Bulgaria 4-5 April 2014.
51. Faculty member of the CTO Summit, New York, 26-27 February 2015, New York, USA.
52. Faculty member of the 6th CTO day, 10-11 April, 2015, Riga Lettonia.
53. Co-Director of the 4th European Live Summit on Retrograde CTO Revascularization, University of Catania, University of Zurich, University of Thessaloniki, Zurich Switzerland, 8-9 May 2015.
54. Presidente, of The Expert “Live” Workshop 2015 Euro Cto Club, Istanbul, Turkey, September, 18-19 2015.
55. Co-Director of the 4th IMC Live 2016 Chronic Total Occlusion Summit, Jeddah, Saudi Arabia, 14-15, January 2016.
56. Co-Director of the Mini CTO Summit II, 18 February 2016 Nis, Serbia.
57. Director, of the Experts Summit 16 Dubai, 10-11 March 2016.
58. Co-Director of the BelgrAde Summit of Interventional Cardiologists BASICS, Belgrado, Serbia, 17-19 April 2016.
59. Co-Director of the 5th European Live Summit on Retrograde CTO Revascularization, 22-23 April 2016, Vienna, Austria.
60. President of the The Expert “Live” Workshop 2016 Euro Cto Club, Krakow, Poland, 30 September-1 October 2016.
61. Co-Director of the NICTO Summit II, 24-25 March 2017 Nis, Serbia.

62. Co-Director of the 6th European Live Summit on Retrograde CTO Revascularization, 28-29 April 2017, Zurich, Switzerland.
63. Co-Director of the IRAN CTO Meeting 2018, 5-6 December 2018, Mashad, Iran.
64. Co- Director of the 4th Cardio Suli International Scientific Conference with live cases and presentattions, 10-12 April, Sulaymania, Irak.
65. Co-Director of the Iran CTO e Bifurcation Meeting 2019 9-10 Ottobre 2019, Mashad, Iran.

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Publicazioni

Articoli

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