

Curriculum Vitae **CARLO MANNINA**

Nome Carlo
Cognome Mannina
Data di nascita 15/07/1990
Luogo di nascita Palermo

FORMAZIONE

April 2020 – today Adjunct Associate Research Scientist at the Adult Cardiovascular Ultrasound Laboratories of the Division of Cardiology, Department of Medicine at the Columbia University Medical Center, New York, NY, USA
March 2020 – today Attending physician at the Division of Internal Medicine – COVID-19 - ARNAS Civico Di Cristina Benfratelli Hospital, Palermo, Italy
Agosto 2018 – Marzo 2020 Research Fellow presso Adult Cardiovascular Ultrasound Laboratories of the Division of Cardiology, Department of Medicine at the Columbia University Medical Center, New York, NY, USA
Gen. 2019 – Marzo 2020 Research Fellow presso Cardiac Care Unit at New York Presbyterian Hospital – Columbia University Medical Center, New York, NY, USA
Nov. 2015 – oggi Specializzazione in Medicina Interna, Università di Palermo
Aug. 2015 – Ott. 2015 Training presso Medicina d’Urgenza, ARNAS Civico Di Cristina Benfratelli Hospital, Palermo
Ott. 2008 – Lug. 2014 Laurea in Medicina e Chirurgia con votazione di 110/110 cum laude, Università di Palermo
Sett. 2013 – Giugno. 2014 Erasmus project presso Carol Davila University of Medicine and Pharmacy Bucarest, Romania
2012 – 2013 Internship presso U.O. di Neurologia, Università of Palermo
2011 – 2012 Internship presso U.O. di Endocrinologia, Università of Palermo

ESPERIENZE LAVORATIVE

Gen. 2017 – Lug. 2019 Sub-Investigator of the Clinical Trial Research Study Comparing a New Medicine “Fast-Acting Insulin Aspart” to Another Already Available Medicine “Novorapid”/“Novolog” in People with Type 2 Diabetes (onset 9) – Novo Nordisk
Nov. 2015 – Aug. 2018 Medico ambulatoriale di Diabete e rischio Cardiovascolare, Università di Palermo
Gen. 2017 – Lug. 2018 Sub-Investigator of the Clinical Trial I8B-MCITRN sponsored by Eli Lilly
Gen. 2017 – Lug. 2018 Sub-Investigator of the Clinical Trial Research Study “SUSCIPE” (Sulfonyl Ureas Correct Internal Prescription Evaluation Study) sponsored by MSD Italia

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| Dic. 2015 – Feb. 2018 | Sub-Investigator of the Clinical Trial DUAL VIII NN 9068-4228 sponsored by Novo Nordisk |
| Gen. 2017 – Mag 2017 | Membro di database DARWIN-T2D (Dapagliflozin Real World evidence in Type 2 Diabetes) |
| Giug. 2017 – Dic. 2017 | Sub-Investigator of the Clinical Trial Research Study “Effect of Natural Supplement Containing Chlorogenic Acid and Luteolin on Cardio-metabolic Risk Factors” |
| Agosto 2015 – Ott. 2015 | Medico di Continuità Assistenziale, Azienda Unita’ Sanitaria Locale N.6, Ustica, Palermo |

COMPETENZE

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| Giugno 2018 – oggi | Cardiovascular Ultrasound Imaging License rilasciato da Società Italiana di Ecocardiografia e Cardiovascular Imaging (SIECVI), Milano |
| Ott. 2017 – Feb. 2018 | Training in Ecocardiografia Transtoracica presso Policlinico Paolo Giaccone, U.O. di Medicina Interna e Cardioangiologia, Università di Palermo |
| Marzo 2018 – Luglio 2018 | Training in Ecocardiografia Transtoracica presso ospedale Cervello U.O. di Cardiologia, Palermo |
| Feb. 2017 – Mag 2017 | Advanced and Basic Electrocardiography License rilasciato da Società Italiana di Medicina Interna (SIMI), Roma |
| Mar. 2015 – Mag 2016 | Advanced and Basic Cardiovascular Life Support Provider rilasciato da American Heart Association at ISMETT (Istituto Mediterraneo per i Trapianti e Terapie ad alta specializzazione), Palermo |

CONFERENZE E ALTRE ATTIVITÀ SCIENTIFICHE

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| 2019 | Reviewer per Scientific Report, Nature Publishing Group |
| Novembre 2019 | Relatore presso American Heart Association Scientific Sessions 2019, Philadelphia, USA |
| Settembre 2019 | COL 7 th Annual Challenges in Hypertension, Columbia University, New York, NY, USA |
| Giugno 2019 | COL 25 th Annual Update & Intensive Review of Internal Medicine – Physician and Nurse with PA and NP, Columbia University, New York, NY, USA |
| Marzo 2019 | COL 2nd Annual Sleep Symposium for Clinicians & Researchers, Columbia University, New York, NY, USA |
| Febbraio 2019 | 8th Annual Glomerular Disease 2019, Columbia University, New York, NY, USA |
| Febbraio 2019 | 66th Advanced Postgraduate Course, American Diabetes Association, New York, USA |
| Nov. 2018 – Dec. 2018 | Columbia & Cornell GI XXXV Update in Gastroenterology & Hepatology |
| Aprile 2018 | International School of Diabetes 4 th edizione, Catania |

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| Ottobre 2016 | Relatore presso 117 th Congresso Nazionale della SIMI (Società Italiana Medicina Interna) Roma |
| Ottobre 2017 | Relatore presso 118 th Congresso Nazionale della SIMI Roma |
| Settembre 2017 | Relatore presso 53 rd EASD (European Association of the Study of Diabetes) Annual Meeting – Lisbona – Portogallo |
| Marzo 2017 | International School of Diabetes 3 th edizione, Camogli, Genova |

PREMI E RICONOSCIMENTI INTERNAZIONALI

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| Mar. 2017 – Mar. 2018 | Presidente regionale della Società Italiana di Diabetologia, sezione giovani YoSID (Young section of Italian Society of Diabetes) |
| Maggio 2018 | Best young diabetes project - 27 th Congresso Nazionale della Società Italiana di Diabetologia, Rimini |
| Settembre 2017 | Travel Grant - 53 th European Association for Study of Diabetes (EASD), Lisbona, Portugal |
| Aprile 2017 | Grant Award - 15 th Meeting of Mediterranean Group for the Study of Diabetes, Atene, Grecia |

PUBLICATIONS

1. Kenji Matsumoto, Zhezhen Jin, Shunichi Homma, Mitchell S.V. Elkind, Tatjana Rundek, **Carlo Mannina**, Tetz C. Lee, Mitsuhiro Yoshita, Charles DeCarli, Clinton B. Wright, Ralph L. Sacco, Marco R. Di Tullio. 2019. Association between central blood pressure and subclinical cerebrovascular disease in the elderly: the Cardiovascular Abnormalities and Brain Lesions (CABL) study. Hypertension.
2. **Mannina C**, Jin Z, Russo C, Homma S, Elkind MS, Rundek T, Lee TC, Matsumoto K, Shames S, Sacco RL, Di Tullio M. 2019.. Effect of hypertension and diabetes on subclinical left ventricular systolic dysfunction in a predominantly elderly population-based cohort. European Journal of Preventive Cardiology
3. Manfredi Rizzo, Dragana Nikolic, Angelo Maria Patti, **Carlo Mannina**, Giuseppe Montalto, Brooke S. McAdams, Ali A. Rizvi, Francesco Cosentino. 2018. GLP-1 receptor agonists and reduction of cardiometabolic risk: potential underlying mechanisms. Biochimica et Biophysica Acta - Molecular Basis of Disease.
4. Angelo Maria Patti, Khalid Al-Rasadi, Rosaria Vincenza Giglio, Dragana Nikolic, **Carlo Mannina**, Giuseppa Castellino, Roberta Chianetta, Maciej Banach, Arrigo FG Cicero, Giuseppe Lippi, Giuseppe Montalto, Manfredi Rizzo, Peter P. Toth. 2017. State of the art paper Natural approaches in metabolic syndrome management. Archives of Medical Science.
5. Maccora S, **Mannina C**, Bolognini N, Paladino P, Baschi R, Cosentino G, Fierro B, Vallar G, Brighina F. 2014. Menstrual cycle affects cortical excitability differently in females with migraine and in healthy controls: a new perspective by cross modal sound induced flash illusions. The Journal of Headache and Pain.

ABSTRACT

1. Nikolic D, Giglio RV, Chianetta R, Castruccio Castracani C, Sardo VA, Castellino G, Patti AM, **Mannina C**, Li Volti G, Citarrella R, Montalto G, Rizvi AA, Rizzo M. The 53rd EASD Annual Meeting – Lisbon - from 11-15 September 2017. The GLP-1RA exenatide LAR increases circulating miR-27b in patients with type-2 diabetes: an 8-month prospective study of cardiometabolic and epigenetic response.
2. Castellino G, **Mannina C**, Patti AM, Galletta R, Chianetta R, Nikolic D, Giglio RV, Citarrella R, Rizvi AA, Montalto G, Rizzo M. The 53rd EASD Annual Meeting – Lisbon - 11-15 September 2017. Exenatide LAR decreases cIMT and improves flow mediated dilation similarly in obese and non-obese type-2 diabetic patients: an 8-month prospective study.
3. Patti AM, **Mannina C**, Castellino G, Catalfio R, Giglio RV, Nikolic D, Chianetta R, Citarrella R, Montalto G, Rizvi AA, Rizzo M. The 53rd EASD Annual Meeting - Lisbon - 11-15 September 2017. Improvement in flow-mediated dilatation and proinflammatory cytokines with Exenatide LAR occurred independently of baseline carotid IMT in patients with type-2 diabetes.
4. **Mannina C**, Castellino G, Patti AM, Bonfiglio A, Chianetta R, Giglio RV, Nikolic D, Corrado E, Citarrella R, Rizvi AA, Montalto G, Rizzo M. The 53rd EASD Annual Meeting – Lisbon - 11-15 September 2017. Exenatide LAR improves cardio-metabolic parameters independently of the presence of endothelial dysfunction in type-2 diabetic patients: an 8 months prospective study.
5. Chianetta R, Giglio RV, Nikolic D, Diliberto SM, Marino Gammazza A, Castellino G, Patti AM, **Mannina C**, Citarrella R, Li Volti G, Rizvi AA, Montalto G, Rizzo M. The 53rd EASD Annual Meeting – Lisbon - 11- 15 September 2017. Exenatide LAR improves cardio-metabolic parameters independently of baseline adiponectin in type-2 diabetic patients: an 8-month prospective study.
6. Chianetta R, Patti AM, Castellino G, Nikolic D, Giglio RV, **Mannina C**, Corrado E, Citarrella R, Montalto G, Rizzo M. The 3rd CVOT Summit of the Diabetes & Cardiovascular Study Group of the EASD, Munich, Germany, 26- 27 October 2017. Exenatide LAR reduces subclinical carotid atherosclerosis and improves endothelial function in patients with type-2 diabetes: an 8-month prospective study.
7. Adamo A, Chianetta R, Giglio RV, Castellino G, Patti AM, Bonfiglio A, **Mannina C**, Nikolic D, Citarrella R, Montalto G, Rizzo M. The 3rd CVOT Summit of the Diabetes & Cardiovascular Study Group of the EASD, Munich, Germany, 26- 27 October 2017. Liraglutide improves metabolic parameters and reduces intima-media thickness in obese vs non obese patients with Type 2 Diabetes: 18-month prospective study.
8. Castellino G, Nikolic D, Chianetta R, Giglio RV, Adamo A, Patti AM, **Mannina C**, Sardo VA, Galletta R, Bonfiglio A, Citarrella R, Montalto G, Rizzo M. 118° Congresso Nazionale Simi, Roma 27-29 Ottobre 2017. Bergamot reduces atherogenic lipoprotein subclasses in dyslipidemic subjects with elevated baseline value of carotid intima-media thickness: a 6-month prospective study.
9. Chianetta R, Giglio RV, Nikolic D, Castruccio Castracani C, Diliberto SM, Castellino G, Patti AM, **Mannina C**, Citarrella R, Li Volti G, Montalto G, Rizzo M. 118° Congresso Nazionale Simi, Roma 27-29 Ottobre 2017. Exenatide LAR improves cardio-metabolic parameters independently of baseline adiponectin in type-2 diabetic patients: an 8-month prospective study.

10. Adamo A, Giglio RV, Chianetta R, Nikolic D, Castellino G, Patti AM, **Mannina C**, Galletta R, Sardo VA, Citarrella R, Montalto G, Rizzo M. 118° Congresso Nazionale Simi, Roma 27-29 Ottobre 2017. Bergamot improves the quality of lipoprotein profile and subclinical atherosclerosis equally in both obese and not obese subjects with moderate hypercholesterolemia: a 6-month prospective study.
11. **Mannina C**, Castellino G, Patti A, Giglio RV, Chianetta R, Nikolic D, Bonfiglio A, Sardo VA, Galletta R, Catalfo R, Citarrella R, Montalto G, Rizzo M. 118° Congresso Nazionale Simi, Roma 27-29 Ottobre 2017. Liraglutide improves carotid intima-media thickness in pre-elderly and elderly patients with type-2 diabetes: an 18-month prospective, real life study.
12. Giglio RV, Patti AM, Castellino G, **Mannina C**, Nikolic D, Chianetta R, Galletta R, Sardo VA, Bonfiglio A, Catalfo R, Citarrella R, Montalto G, Rizzo M. 118° Congresso Nazionale Simi, Roma 27-29 Ottobre 2017. Liraglutide improves metabolic parameters and reduces intima-media thickness in obese patients with type 2 diabetes: 18-month prospective study.
13. Chianetta R, Giglio RV, Nikolic D, Patti AM, Castellino G, **Mannina C**, Diliberto SM, Fiorentino V, Ruggirello D, Carruba G, Citarrella R, Montalto G, Rizzo M. VII Congresso Nazionale SINUT, Bologna, 19-20 maggio 2017. Pasta with Opuntia reduces atherogenic lipoproteins: one month prospective pilot study.
14. Nikolic D, Li Volti G, Corrado E, Giglio RV, Chianetta R, Castellino G, **Mannina C**, Patti AM, Provenzano F, Provenzano V, Montalto G, Rizvi AA, Rizzo M. 77th Scientific Sessions June 9 - 13, 2017, San Diego, California Exenatide LAR Improves Endothelial Function: an 8-Month Prospective Study.
15. Giglio RV, Li Volti G, Corrado E, Nikolic D, Chianetta R, Castellino G, **Mannina C**, Patti AM, Marino Gammazza A, Provenzano F, Provenzano V, Montalto G, Rizvi AA, Rizzo M. 77th Scientific Sessions June 9 - 13, 2017, San Diego, California. Exenatide LAR Improves Carotid Intima-Media Thickness and Increases Adiponectin Plasma Levels in Patients with Type-2 Diabetes: an 8-Month Prospective Study.
16. Castellino G, Li Volti G, Corrado E, Nikolic D, Giglio RV, Chianetta R, **Mannina C**, Diliberto SM, Patti AM, Provenzano F, Provenzano V, Montalto G, Rizvi AA, Rizzo M. 77th Scientific Sessions June 9 - 13, 2017, San Diego, California. Exenatide LAR Shows Greater Cardio-Metabolic Control in Type-2 Diabetic Patients with Liver Steatosis Rather than Those without It: an 8-Month Prospective Study.
17. Patti AM, Li Volti G, Castruccio Castracani C, Nikolic D, Chianetta R, Giglio RV, Castellino G, **Mannina C**, Diliberto SM, Provenzano F, Provenzano V, Montalto G, Rizvi AA, Rizzo M. 77th Scientific Sessions June 9 - 13, 2017, San Diego, California. Liraglutide Increases Specific MicroRNAs and Decreases Atherogenic Lipoproteins in Diabetic Patients: A 4-Month Pilot Study.
18. Chianetta R, Li Volti G, Nikolic D, Patti AM, Castellino G, **Mannina C**, Giglio RV, Bonfiglio A, Fiorentino V, Ruggirello D, Provenzano F, Provenzano V, Montalto G, Rizzo M. 15th meeting of the Mediterranean Group for the Study of Diabetes, Athens, from 27 to 29, April 2017. The reduction in small dense lowdensity lipoproteins by liraglutide is independently associated with reduced carotid atherosclerosis in patients with type-2 diabetes.
19. Castellino G, Magán-Fernández A, Li Volti G, Nikolic D, Patti AM, **Mannina C**, Chianetta R, Giglio RV, Catalfo S, Diliberto SM, Provenzano F, Provenzano V, Montalto G, Rizzo M. Athens, from 27 to 29, April 2017. 15th meeting of the Mediterranean Group for the Study of Diabetes,. The beneficial

effects of liraglutide on cardio-metabolic parameters are not affected by menopausal status: an 18-month prospective study.

20. Giglio RV, Corrado E, Li Volti G, Nikolic D, Patti AM, Castellino G, **Mannina C**, Chianetta R, Sardo VA, Vanella L, Provenzano F, Provenzano V, Montalto G, Rizzo M. Athens - from 27 to 29, April 2017. 15th meeting of the Mediterranean Group for the Study of Diabetes,. Exenatide LAR reduces subclinical carotid atherosclerosis and improves endothelial function in patients with type-2 diabetes: an 8-month prospective study.