

Name: Maddalena Trombetta
Date of birth: 01/09/1972
Place of birth: Verona, Italy

EDUCATION:

1997: Degree in Medicine, University of Verona, Italy
2002: Postgraduate in Endocrinology and Metabolism Diseases, University of Verona
2006: Ph.D. in Chronic-Degenerative Diseases, University of Verona
2006-2008: Post-doctoral researcher at Department of Medicine, University of Verona
2009: Research Scientist at Department of Medicine, University of Verona
2015: Coordinator of the Veneto Regional Reference Centre for "High Diabetes and Metabolism Technologies"
2018: Functional professional Assignment "Technologies in diabetes"
2022: Associate Professor in Endocrinology and Metabolism Diseases, University of Verona

ACQUAINTED SCIENTIFIC SKILLS:

- Knowledge of the basis technique for clinical studies on the metabolism, such as hyperinsulinemic euglycemic clamp, Intravenous Glucose Tolerance Test (IVGTT), using radioactive and non-radioactive glucose tracer, indirect calorimetry and arm perfusion technique.
- Knowledge of the ecographic technique for measuring the arterial distensibility and compliance of the human conductance arteries using an echo-tracking device in B-M mode (Wall Track System)
- Knowledge of SAAM 1.2 software program for analysing the minimal model of C-peptide secretion, measured using Oral Glucose Tolerance Test (OGTT), Intravenous Glucose Tolerance Test (IVGTT) and hyperglycemic clamp (HGC).
- Extensive knowledge of AID (automated insulin device) therapy in type 1 diabetes, diabetes FC-related and diabetes after pancreatectomy
- Management of eating disorder and Member of the working group on the PDTA at AOUI Verona for the management of patients with feeding and eating disorders

PROJECTS

She participated to the following financed projects and some of these are still in progress:

2003-2008: University of Pisa, Italian Society of Diabetology, Eli Lilly and Company. Title: "GENFIEV: Evaluation of Genetic, Biochemical and Clinical Determinants of Type 2 Diabetes Progression in Subjects at High Risk. "

2003: European Foundation for the Study of Diabetes, MIUR and University of Verona. Title: "The Verona Newly Diagnosed Type 2 Diabetes Study (VNDS). Construction of a Biobank of Diabetes Related Genotypes and Phenotypes"

2009: University of Verona. Title: "Comparison of Aerobic and Resistance Training Effects on Glycemic Control in Type 2 Diabetes (RAED2)"

2013: European Foundation for the Study of Diabetes and University of Verona. Title: "Meal Glucose Regulation in Type 1 Diabetes on Insulin Pump Therapy: Towards a Better Understanding of the Glucose-Insulin System".

2014: University of Padua and University of Verona. Title: "Impact of Locus of Control and Fear of Hypoglycaemia on clinical efficacy and treatment satisfaction in type 1 diabetes patient on Insulin Pump Therapy"

2017: University of Verona. Title: "Transition from pediatric to adult diabetes care system for young adults with type 1 diabetes: a register of metabolic and psychological features"

2018: University of Verona. Title: "Accuracy of CGM during exercise in type 1 diabetes"

2021: Studio prospettico multicentrico, randomizzato a gruppi paralleli in rapporto 1:1 a piani adattativi di fase IIb/III nell'uso di polichemioterapia per indurre remissione del diabete tipo 2 in pazienti neodiagnosticati

2022: Utilizzo di sistemi automatizzati ibridi per l'infusione di insulina durante due tipologie di attività fisica in soggetti affetti da diabete mellito tipo 1"

2023: Evaluation of Beta-Cell Function after Total Pancreatectomy with Autologous Islet Transplantation in Subjects with Pancreatic Neoplasia: a Pilot Study in Verona

2025: Trattamento chirurgico dei difetti infraossei parodontali in pazienti diabetici e non diabetici tramite l'utilizzo di biomateriale: studio clinico prospettico caso-controllo

2025: Dati epidemiologici real world provenienti da una popolazione italiana di soggetti utilizzatori di Tidepool Loop e Omnipod Dash

She is author of 71 scientific publications on international journals.

Pubblicazioni per esteso

1. Irace C, Assaloni R, Avogaro A, Candido R, Cherubini V, Coluzzi S, Dicembrini I, Di Bartolo P, Di Molfetta S, Francesch R, Frattolin E, Grancini V, Guardsole V, Marcello D, Beri M, Nervo S, Rabbone I, Rapellino A, Scarpitta AM, Tinti D, **Trombetta M**, Zanfardino A, Scaramuzza A. Efficacy, safety, and legal considerations

- of do-it-yourself artificial pancreas systems: a position statement from italian diabetes societies. *Acta Diabetologia*, 2025 Aug 7. doi: 10.1007/s00592-025-02559-3
2. Csermely A, Borella ND, Turazzini A, Pilati M, Sheiban SS, Bonadonna RC, Trevisan R, **Trombetta M**, Lepore G. Different Times for Different Metrics: Predicting 90 Days of Intermittently Scanned Continuous Glucose Monitoring Data in Subjects With Type 1 Diabetes on Multiple Daily Injection Therapy. Findings From a Multicentric Real-World Study. *J Diabetes Sci Technol*. 2025 Jan 7;19322968241308564. doi: 10.1177/19322968241308564.
 3. Vigolo N., Toffalini A., Rolli N., Paviati M., Gelati M., **Trombetta M.**, Danese E., Zoppini G. Metformin is associated with low levels of vitamin B12 with no effect on other vitamin levels. A selective action of metformin. *Nutr Metab Cardiovasc Dis*. 2025 Jun 11:
 4. Piona C, Mozzillo E, Tosco A, Zusi C, Emiliani F, Volpi S, Di Candia F, Raia V, Boselli ML, **Trombetta M**, Cipolli M, Bonadonna RC, Maffei C. A longitudinal study of glucose tolerance in cystic fibrosis: the central role of beta cell functional mass. *The Journal of Clinical Endocrinology & Metabolism*, 2025, 110, e1670–e1677
 5. Tips for successful use of commercial automated insulin delivery systems: An expert paper of the Italian working group on diabetes and technology. S. Di Molfetta, A. Rossi, R. Assaloni, R. Franceschi, V. Grancini, V. Guardasole, A.E. Scaramuzza, A.M. Scarpitta, **M. Trombetta**, A. Zanfardino, R. Candido, A. Avogaro, V. Cherubini, C. Irace; AMD-SID-SIEDP Working Group on Diabetes and Technology. *Diabetes Res Clin Pract* 2025 May;223:112117.
 6. V. Graziani, T. Suprani, P. Di Bartolo, I. Rabbone, S. Bellone, R. Foglino, A. Laurenzi, M. Marigliano, **M. Trombetta**, C. Ripoli, R.M. Pilosu, E. Mozzillo, L. Bozzetto, M. Bonati, F. Marchetti, TRANSIDEA Study Group. Esperienze di pazienti e operatori coinvolti nel processo di transizione dai servizi pediatrici ai centri dell'adulto per giovani con diabete tipo 1 in Italia: lo studio TransiDEA (II fase). *Recenti Prog Med* 2025; 116: 1-9
 7. C. Zusi, S. Bonetti, E.R. Inaldi, A. Csermely, M.L. Boselli, D. Travia, L. Santi, E. Bonora, R.C. Bonadonna, **M. Trombetta**. Interactions of the osteokines, glucose/insulin system and vascular risk networks in patients with newly diagnosed type 2 diabetes (VNDS 15). *Diabetes Metab Res Rev*. 2024 Oct;40(7):e3847
 8. Da Prato G, Csermely A, Pilati M, Carletti L, Rinaldi E, Donà S, Santi L, Negri C, Bonora E, Moghetti P, **Trombetta M**. A Randomized Crossover Trial Comparing Glucose Control During Postprandial Moderate Aerobic Activity and High-Intensity Interval Training in Adults With Type 1 Diabetes Using an Advanced Hybrid Closed-Loop System. *J Diabetes Sci Technol*. 2024 Jul 30.
 9. E. Rinaldi, F.C.T. van der Heide, E. Bonora, **M. Trombetta**, C. Zusi A.A Kroon, M.T Schram, C.J.H. van der Kallen, A. Wesselius, R. Bonadonna, A. Mari, C. G Schalkwijk, M.MJ van Greevenbroek & C. DA Stehouwer Lower heart rate variability, an index of worse autonomic function, is associated with worse beta cell response to a glycemic load in vivo—The Maastricht Study. *Cardiovascular Diabetology* (2023) 22:105
 10. Bruttomesso D. Irace C. Pozzilli P on behalf of the SAGE study group. A sub-analysis of the SAGE study in Italy indicates good glycemic control in type 1 diabetes NMCD 2023 March, 33; 631-639
 11. A. Dallatana, L. Cremonesi, **M. Trombetta**, G. Fracasso, R. Nocini, L. Giacomello, and G. Innamorati. G Protein-Coupled Receptors and the Rise of Type 2 Diabetes in Children. *Biomedicines* 2023 May 29;11(6):1576.
 12. R. Messina, L. Indelicato, M. Iommi, **M. Trombetta**, T. Roos, N. Hermanns, A. Di Sipio, M.P. Fantini & V. Calvo. Assessing attitudes towards insulin pump therapy in adults with type 1 diabetes: Italian validation of the Insulin Pump Attitudes Questionnaire (IT-IPA questionnaire). *Acta Diabetol*. 2023 May;60(5):687-695
 13. C. Zusi, A. Csermely, E. Rinadi, K. Bertoldo, S. Bonetti, M.L. Boselli, D. Travia, E. Bonora, R.C. Bonadonna, **M. Trombetta**. Crosstalk between genetic variability of adiponectin and leptin, glucose-insulin system and subclinical atherosclerosis in patients with newly diagnosed type 2 diabetes. The Verona Newly Diagnosed Type 2 Diabetes Study 14. *Diabetes Obesity and Metabolism* 2023 June; 25(2)
 14. S Bonetti, C Zusi, E Rinaldi, M L Boselli, A Csermely, G Malerba, E Trabetti, E Bonora, R C Bonadonna. **M Trombetta**. Role of monogenic diabetes genes on beta cell function in Italian patients with newly diagnosed type 2 diabetes. The Verona Newly Diagnosed Type 2 Diabetes Study (VNDS) 13. *Diabetes Metab* 2022 Jan 16;48(4)
 15. Marcon D, Tagetti A, Piona C, Giontella A, Bortolotti S, Bonafini S, Carletti L, Morandi A, **Trombetta M**, Maffei C, Fava C. Markers of subclinical vascular damage in young adults with type 1 diabetes mellitus: the role of central blood pressure. *J Hypertens*. 2022 Aug 23.
 16. Piona C, Mozzillo E, Tosco A, Volpi S, Rosanio FM, Cimbalo C, Franzese A, Raia V, Zusi C, Emiliani F, Boselli ML, **Trombetta M**, Bonadonna RC, Cipolli M, Maffei C. Impact of CFTR Modulators on Beta-Cell Function in Children and Young Adults with Cystic Fibrosis. *J Clin Med*. 2022 Jul 17;11(14)
 17. Bonora E, **Trombetta M**, Dauriz M, Brangani C, Cacciatori V, Negri C, Pichiri I, Stoico V, Rinaldi E, Da Prato G, Boselli ML, Santi L, Moschetta F, Zardini M, Bonadonna RC. Insulin resistance and beta-cell dysfunction in newly diagnosed type 2 diabetes: Expression, aggregation and predominance. Verona Newly Diagnosed Type 2 Diabetes Study 10. *Diabetes Metab Res Rev*. 2022 Oct;38(7)

18. Zusi C, Rinaldi E, Bonetti S, Boselli ML, Trabetti E, Malerba G, Bonora E, Bonadonna RC, **Trombetta M**. Haplotypes of the genes (GCK and G6PC2) underlying the glucose/glucose-6-phosphate cycle are associated with pancreatic beta cell glucose sensitivity in patients with newly diagnosed type 2 diabetes from the VNDS study (VNDS 11). *J Endocrinol Invest* 2021; 44 (12)
19. Da Prato G, Pasquini S, Rinaldi E, Lucianer T, Donà S, Santi L, Negri C, Bonora E, Moghetti P, **Trombetta M**. Accuracy of CGM Systems During Continuous and Interval Exercise in Adults with Type 1 Diabetes. *J Diabetes Sci Technol*. 2021 Jun 11:19322968211023522.
20. Zoppini G, **Trombetta M**, Pastore I, Brangani C, Cacciatori V, Negri C, Perrone F, Pichiri I, Stoico V, Travia D, Rinaldi E, Da Prato G, Bittante C, Bonadonna RC, Bonora E. Glomerular filtration rate decline in T2DM following diagnosis. The Verona newly diagnosed diabetes study-12. *Diabetes Res Clin Pract*. 2021 May;175:
21. Bonora E, Fedeli U, Schievano E, **Trombetta M**, Saia M, Scroccaro G, Tacconelli E, Zoppini G. SARS-CoV-2 and COVID-19 in diabetes mellitus. Population-based study on ascertained infections, hospital admissions and mortality in an Italian region with ~5 million inhabitants and ~250,000 diabetic people. *Nutr Metab Cardiovasc Dis*. 2021 Aug 26;31(9):2612-2618.
22. C. Piona, S. Volpi, C. Zusi, E. Mozzillo, A. Tosco, A. Franzese, V. Rita, M.L. Boselli, M. **Trombetta**, M. Cipolli, R.C. Bonadonna, C. Maffei. Glucose tolerance stages in Cystic Fibrosis are identified by a unique pattern of defects of Beta-cell function. *J Clin Endocrinol Metab* 2021, 106 (4)
23. Pasquini S, Rinaldi E, Da Prato G, Csermely A, Indelicato L, Zaffani S, Santi L, Sabbion A, Maffei C, Bonora E, **Trombetta M**. Growing up with Type 1 Diabetes Mellitus: data from the Verona Diabetes Transition Project. *Diabet Med*. 2021 Oct 17
24. S. Bonetti, C. Zusi, E. Rinaldi, M.L. Boselli, C. Patuzzo, E. Trabetti, G. Malerba, C. Bianchi, G. Lombardi, G. Zaza, S. Del Prato, G. Gambaro, E. Bonora, R. C. Bonadonna, **M. Trombetta**. Common Variants Associated to Type 2 Diabetes in the Italian Population. *Open Journal of Endocrine and Metabolic Diseases* 2021; Vol.11 No.1.
25. Rinaldi E, Zenti MG, **Trombetta M**, Ceradini G, Altomari A, Boselli ML, Santi L, Battistoni M, Bonadonna RC, Bonora E. Changes induced by metabolic surgery on the main components of glucose/insulin system in patients with diabetes and obesity. *Acta Diabetol*. 2020
26. E. Bonora, **M. Trombetta**, M. Dauriz, D. Travia, V. Cacciatori, C. Brangani, C. Negri, F. Perrone, I. Pichiri, V. Stoico, G. Zoppini, E. Rinaldi, G. Da Prato, M.L. Boselli, L. Santi, F. Moschetta, M. Zardini, and R. C. Bonadonna. Chronic complications in patients with newly diagnosed type 2 diabetes: prevalence and related metabolic and clinical features: the Verona Newly Diagnosed Type 2 Diabetes Study (VNDS) 9. *BMJ Open Diabetes Res Care*, 2020; 8 (1): e001549
27. G. Zoppini, C. Bergamini, **M. Trombetta**, A. Mantovani, G. Targher, A. Toffalini, C. Bittante and E. Bonora. Echocardiographic parameters according to insulin dose in young patients affected by type 1 diabetes. *PLoS One*. 2020; 15(12): e0244483.
28. Zoppini, G; Bergamini, C; **Trombetta, M**; Mantovani, A; Targher, G; Rinaldi, E; Bonora, E. Estimated peak systolic pulmonary artery pressure in young non-complicated patients with type 1 diabetes. *Eur Rev Med Pharmacol Sci* 2020; 24 (9).
29. Pasquini S, Da Prato G, Tonolo G, Bonora E, **Trombetta M**. Continuous intraperitoneal insulin infusion: an alternative route for insulin delivery in type 1 diabetes. *Acta Diabetol*. 2020 Jan;57(1):101-104
30. Indelicato L, Calvo V, Dauriz M, Negri A, Negri C, **Trombetta M**, Bonora E. Depressive symptoms and glycaemic control in adults with type 1 diabetes: an exploratory study on the role of family functioning. *Acta Diabetol*. 2020 Jan;57(1):23-30.
31. Dwivedi OP, Lehtovirta M, Hastoy B, Chandra V, Krentz NAJ, Kleiner S, Jain D, Richard AM, Abaitua F, Beer NL, Grotz A, Prasad RB, Hansson O, Ahlqvist E, Krus U, Artner I, Suoranta A, Gomez D, Baras A, Champon B, Payne AJ, Moralli D, Thomsen SK, Kramer P, Spiliotis I, Ramracheya R, Chabosseau P, Theodoulou A, Cheung R, van de Bunt M, Flannick J, **Trombetta M**, Bonora E, Wolheim CB, Sarelin L, Bonadonna RC, Rorsman P, Davies B, Brosnan J, McCarthy MI, Otonkoski T, Lagerstedt JO, Rutter GA, Gromada J, Gloyn AL, Tuomi T, Groop L. Loss of ZnT8 function protects against diabetes by enhanced insulin secretion. *Nat Genet*. 2019 Nov;51(11):1596-1606.
32. Zoppini G, **Trombetta M**, Sabbagh L, Dauriz M, Mantovani A, Bergamini C. Impaired Aortic Valve Growth in Type 1 Diabetes Mellitus. *Can J Cardiol*. 2019 Jul;35(7): 941.e5-941.e6
33. Grancini V, **Trombetta M**, Lunati ME, Boselli ML, Gatti S, Donato MF, Palmieri E, Resi V, Pugliese G, Bonadonna RC, Orsi E. Central role of the β -cell in driving regression of diabetes after liver transplantation in cirrhotic patients. *J Hepatol*. 2019 May;70(5):954-962.
34. Zoppini G, Bergamini C, **Trombetta M**, Sabbagh L, Dauriz M, Mantovani A, Targher G, Fossà I, Rinaldi E, Bonora E- Increased aortic stiffness index in patients with type 1 diabetes without cardiovascular disease compared to controls. *J Endocrinol Invest*. 2019 Mar 16
35. Zusi C, **Trombetta M**, Bonetti S, Dauriz M, Boselli ML, Trabetti E, Malerba G, Penno G, Zoppini G, Bonora E, Solini A, Bonadonna RC. A renal genetic risk score (GRS) is associated with kidney dysfunction in people with type 2 diabetes. *Diabetes Res Clin Pract*. 2018 Oct; 144:137-143.

36. Mantovani A, Teobaldi I, Stoico V, Perrone F, Zannoni M, Cima L, Bruti M, Mingolla L, **Trombetta M**, Bonora E- Cutaneous squamous carcinoma in a patient with diabetic foot: an unusual evolution of a frequent complication. *Endocrinol Diabetes Metab Case Rep*. 2018 Jul 31;2018
37. Zoppini G, Bergamini C, Bonapace S, **Trombetta M**, Mantovani A, Toffalini A, Lanzoni L, Bertolini L, Zenari L, Bonora E, Targher G, Rossi A. Left ventricular chamber dilation and filling pressure may help to categorise patients with type 2 diabetes. *BMJ Open Diabetes Res Care*. 2018 Jun 14;6(1):
38. Dauriz M, Bacchi E, Boselli L, Santi L, Negri C, **Trombetta M**, Bonadonna RC, Bonora E, Moghetti P. Association of free-living physical activity measures with metabolic phenotypes in type 2 diabetes at the time of diagnosis. The Verona Newly Diagnosed Type 2 Diabetes Study (VNDS). *Nutr Metab Cardiovasc Dis*. 2018 Jan 9. PubMed PMID: 29477578.
39. Lepore G, Bonfanti R, Bozzetto L, Di Blasi V, Girelli A, Grassi G, Iafusco D, Laviola L, Rabbone I, Schiaffini R, Bruttomesso D; Italian Study Group on the Diffusion of CSII. Metabolic control and complications in Italian people with diabetes treated with continuous subcutaneous insulin infusion. *Nutr Metab Cardiovasc Dis*. 2018 Apr;28(4):335-342 PubMed PMID: 29428572.
40. Cacciatori V, Zoppini G, Bellavere F, Rigolon R, Thomaseth K, Pichiri I, **Trombetta M**, Dauriz M, De Santi F, Targher G, Santi L, Bonora E. Long-Acting GLP-1 Receptor Agonist Exenatide Influence on the Autonomic Cardiac Sympatho-Vagal Balance. *J Endocr Soc*. 2017 Nov 6;2(1):53-62.
41. Zoppini G, Bergamini C, Bonapace S, Rossi A, **Trombetta M**, Mantovani A, Toffalini A, Lanzoni L, Bertolini L, Zenari L, Bonora E, Targher G. Association between subclinical left ventricular systolic dysfunction and glycemic control in asymptomatic type 2 diabetic patients with preserved left ventricular function. *J Diabetes Complications*. 2017 Jun;31(6):1035-1040.
42. Indelicato L, Mariano V, Galasso S, Boscari F, Cipponeri E, Negri C, Frigo A, Avogaro A, Bonora E, **Trombetta M**, Bruttomesso D. Influence of health locus of control and fear of hypoglycaemia on glycaemic control and treatment satisfaction in people with Type 1 diabetes on insulin pump therapy. *Diabet Med*. 2017 May;34(5):691-697.
43. Zoppini G, Bonapace S, Bergamini C, Rossi A, **Trombetta M**, Lanzoni L, Bertolini L, Zenari L, Bonora E, Targher G. Evidence of left atrial remodeling and left ventricular diastolic dysfunction in type 2 diabetes mellitus with preserved systolic function. *Nutr Metab Cardiovasc Dis*. 2016 Nov;26(11).
44. Mantovani A, **Trombetta M**, Imbriaco C, Rigolon R, Mingolla L, Zamboni F, Dal Molin F, Cioccoloni D, Sanga V, Bruti M, Brocco E, Conti M, Ravenna G, Perrone F, Stoico V, Bonora E. Diabetic foot complicated by vertebral osteomyelitis and epidural abscess. *Endocrinol Diabetes Metab Case Rep*. 2016; 2016:150132.
45. **Trombetta M**, Dauriz M, Bonetti S, Travia D, Boselli L, Santi L, Bonora E, Bonadonna RC. Is common genetic variation at IRS1, ENPP1 and TRIB3 loci associated with cardiometabolic phenotypes in type 2 diabetes? An exploratory analysis of the Verona Newly Diagnosed Type 2 Diabetes Study (VNDS) 5. *Nutr Metab Cardiovasc Dis*. 2016 Mar;26(3):232-8.
46. Dauriz M, **Trombetta M**, Boselli L, Santi L, Brangani C, Pichiri I, Bonora E, Bonadonna RC. Interleukin-6 as a potential positive modulator of human beta-cell function: an exploratory analysis-the Verona Newly Diagnosed Type 2 Diabetes Study (VNDS) 6. *Acta Diabetol*. 2016 Jun;53(3):393-402.
47. Grancini V, **Trombetta M**, Lunati ME, Zimbalatti D, Boselli ML, Gatti S, Donato MF, Resi V, D'Ambrosio R, Aghemo A, Pugliese G, Bonadonna RC, Orsi E. Contribution of β -cell dysfunction and insulin resistance to cirrhosis-associated diabetes: Role of severity of liver disease. *J Hepatol*. 2015 Dec; 63(6):1484-90.
48. Zoppini G, Cacciatori V, Raimondo D, Gemma M, **Trombetta M**, Dauriz M, Brangani Pichiri I, Negri C, Stoico V, Bergamini C, Targher G, Santi L, Thomaseth K, Bellavere F, Bonadonna RC, Bonora E. Prevalence of Cardiovascular Autonomic Neuropathy in a Cohort of Patients With Newly Diagnosed Type 2 Diabetes: The Verona Newly Diagnosed Type 2 Diabetes Study (VNDS). *Diabetes Care*. 2015 Aug;38(8):1487-93.
49. Zoppini G, Galletti A, Targher G, Brangani C, Pichiri I, **Trombetta M**, Negri C, De Santi F, Stoico V, Cacciatori V, Bonora E. Lower levels of 25-hydroxyvitamin D3 are associated with a higher prevalence of microvascular complications in patients with type 2 diabetes. *BMJ Open Diabetes Res Care*. 2015 Apr 24;3(1).
50. Bruttomesso D, Laviola L, Lepore G, Bonfanti R, Bozzetto L, Corsi A, Di Blasi V, Girelli A, Grassi G, Iafusco D, Rabbone I, Schiaffini R; Italian Study Group on Diffusion of CSII. Continuous subcutaneous insulin infusion in Italy: third national survey. *Diabetes Technol Ther*. 2015 Feb;17(2):96-104.
51. Targher G, Mantovani A, Pichiri I, Mingolla L, Cavalieri V, Mantovani W, Pancheri S, **Trombetta M**, Zoppini G, Chonchol M, Byrne CD, Bonora E. Nonalcoholic fatty liver disease is independently associated with an increased incidence of chronic kidney disease in patients with type 1 diabetes. *Diabetes Care*. 2014 Jun;37(6):1729-36.
52. Bianchi C, Miccoli R, **Trombetta M**, Giorgino F, Frontoni S, Faloia E, Marchesini G, Dolci MA, Cavalot F, Cavallo G, Leonetti F, Bonadonna RC, Del Prato S; GENFIEV Investigators. Elevated 1-hour postload plasma glucose levels identify subjects with normal glucose tolerance but impaired β -cell function, insulin resistance, and worse cardiovascular risk profile: the GENFIEV study. *J Clin Endocrinol Metab*. 2013 May;98(5):2100-5.
53. **Trombetta M**, Bonetti S, Boselli ML, Miccoli R, Trabetti E, Malerba G, Pignatti PF, Bonora E, Del Prato S, Bonadonna RC. PPAR γ 2 Pro12Ala and ADAMTS9 rs4607103 as "insulin resistance loci" and "insulin

- secretion loci" in Italian individuals. The GENFIEV study and the Verona Newly Diagnosed Type 2 Diabetes Study (VNDS) 4. *Acta Diabetol.* 2013 Jun;50(3):401-8.
54. **Trombetta M**, Boselli L, Cretti A, Calì A, Vettore M, Caruso B, Dorizzi R, Avogaro A, Muggeo M, Bonora E, Bonadonna RC. Type 2 diabetes mellitus: a disease of the governance of the glucose-insulin system: an experimental metabolic control analysis study. *Nutr Metab Cardiovasc Dis.* 2013 Jan;23(1).
 55. Bianchi C, Miccoli R, Bonadonna RC, Giorgino F, Frontoni S, Faloia E, Marchesini G, Dolci MA, Cavalot F, Cavallo GM, Leonetti F, Del Prato S; GENFIEV Investigators. Pathogenetic mechanisms and cardiovascular risk: differences between HbA(1c) and oral glucose tolerance test for the diagnosis of glucose tolerance. *Diabetes Care.* 2012 Dec;35(12):2607-12.
 56. **Trombetta M**, Bonetti S, Boselli M, Turrini F, Malerba G, Trabetti E, Pignatti P, Bonora E, Bonadonna RC. CACNA1E variants affect beta cell function in patients with newly diagnosed type 2 diabetes. the Verona newly diagnosed type 2 diabetes study (VNDS) 3. *PLoS One.* 2012;7(3):e32755.
 57. Bacchi E, Negri C, Zanolin ME, Milanese C, Faccioli N, **Trombetta M**, Zoppini G, Cevese A, Bonadonna RC, Schena F, Bonora E, Lanza M, Moghetti P. Metabolic effects of aerobic training and resistance training in type 2 diabetic subjects: a randomized controlled trial (the RAED2 study). *Diabetes Care.* 2012 Apr;35(4):676-82.
 58. Targher G, Pichiri I, Zoppini G, **Trombetta M**, Bonora E. Increased prevalence of chronic kidney disease in patients with Type 1 diabetes and nonalcoholic fatty liver. *Diabet Med.* 2012 Feb;29(2):220-6.
 59. Targher G, Pichiri I, Zoppini G, **Trombetta M**, Bonora E. Increased prevalence of cardiovascular disease in Type 1 diabetic patients with nonalcoholic fatty liver disease. *J Endocrinol Invest.* 2012 May;35(5):535-40.
 60. Bonetti S, **Trombetta M**, Boselli ML, Turrini F, Malerba G, Trabetti E, Pignatti PF, Bonora E, Bonadonna RC. Variants of GCKR affect both β -cell and kidney function in patients with newly diagnosed type 2 diabetes: the Verona newly diagnosed type 2 diabetes study 2. *Diabetes Care.* 2011 May; 34(5):1205-10.
 61. Bianchi C, Miccoli R, Bonadonna RC, Giorgino F, Frontoni S, Faloia E, Marchesini G, Dolci MA, Alviggi L, Gnasso A, Consoli A, Cavalot F, Cavallo MG, Leonetti F, Giaccari A, Del Prato S; GENFIEV Investigators. Metabolic syndrome in subjects at high risk for type 2 diabetes: the genetic, physiopathology and evolution of type 2 diabetes (GENFIEV) study. *Nutr Metab Cardiovasc Dis.* 2011 Sep;21(9):699-705.
 62. Bonetti S, **Trombetta M**, Malerba G, Boselli L, Trabetti E, Muggeo M, Stoico V, Negri C, Pignatti PF, Bonora E, Bonadonna RC. Variants and haplotypes of TCF7L2 are associated with β -cell function in patients with newly diagnosed type 2 diabetes: the Verona Newly Diagnosed Type 2 Diabetes Study (VNDS) 1. *J Clin Endocrinol Metab.* 2011 Feb;96(2): E389-93.
 63. Zoppini G, Targher G, **Trombetta M**, Lippi G, Muggeo M. Relationship of serum gamma-glutamyltransferase to atherogenic dyslipidemia and glycemic control in type 2 diabetes. *Obesity (Silver Spring).* 2009 Feb;17(2).
 64. Mazzucco S, Bifari F, **Trombetta M**, Guidi GC, Mazzi M, Anzola GP, Rizzuto N, Bonadonna R. Evaluating endothelial function of the common carotid artery: an in vivo human model. *Nutr Metab Cardiovasc Dis.* 2009 Mar;19(3):205-10.
 65. Zoppini G, Targher G, **Trombetta M**, Lippi G, Muggeo M. Relationship between soluble CD40 ligand and gamma-glutamyltransferase concentrations in non-drinking, young Type 1 diabetic individuals. *Diabet Med.* 2008 Nov;25(11).
 66. Zoppini G, Verlati G, Targher G, Bonora E, **Trombetta M**, Muggeo M. Variability of body weight, pulse pressure and glycaemia strongly predict total mortality in elderly type 2 diabetic patients. The Verona Diabetes Study. *Diabetes Metab Res Rev.* 2008 Nov-Dec;24(8):624-8.
 67. Maffei C, Manfredi R, **Trombetta M**, Sordelli S, Storti M, Benuzzi T, Bonadonna RC. Insulin sensitivity is correlated with subcutaneous but not visceral body fat in overweight and obese prepubertal children. *J Clin Endocrinol Metab.* 2008 Jun;93(6):2122-8.
 68. Calì AM, Bonadonna RC, **Trombetta M**, Weiss R, Caprio S. Metabolic abnormalities underlying the different prediabetic phenotypes in obese adolescents. *J Clin Endocrinol Metab.* 2008 May;93(5).
 69. **Trombetta M**, Spiazzi G, Zoppini G, Muggeo M. Review article: type 2 diabetes and chronic liver disease in the Verona diabetes study. *Aliment Pharmacol Ther.* 2005 Nov;22 Suppl 2:24-7.
 70. Lehtovirta M, Kaprio J, Groop L, **Trombetta M**, Bonadonna RC. Heritability of model-derived parameters of beta cell secretion during intravenous and oral glucose tolerance tests: a study of twins. *Diabetologia.* 2005 Aug; 48(8):1604-13.
 71. Weiss R, Caprio S, **Trombetta M**, Taksali SE, Tamborlane WV, Bonadonna R. Beta-cell function across the spectrum of glucose tolerance in obese youth. *Diabetes.* 2005 Jun;54(6):1735-43.

Capitoli di libri:

Coautore del capitolo "Methods to Assess In Vivo Insulin Sensitivity and Insulin Secretion" all'interno del libro: *Diabetes Epidemiology, Genetics, Pathogenesis, Diagnosis, Prevention, and Treatment* (<https://doi.org/10.1007/978-3-319-45015-5>)