

# CURRICULUM VITAE ET STUDIORUM



**DOTT. CARMINE BRUNO**

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## PROFILO ED ISTRUZIONE

Nato ad Avellino il 31/12/1992.

4/11/2022 - **Diploma di Specializzazione in Endocrinologia e Malattie del Metabolismo** - Università Cattolica del Sacro Cuore di Roma con votazione di 50/50 e lode.

16/10/2017 - **Laurea Magistrale in Medicina e Chirurgia** (Classe LM-41) - Università Cattolica del Sacro Cuore di Roma con votazione di 110/110 e lode.

04/07/2011 - **Diploma di maturità scientifica** - Liceo "Aeclanum" di Mirabella E. (AV) con votazione 100/100.

## ESPERIENZA

11/2022 - Presente: **Dirigente Medico Endocrinologo** UOC Medicina Generale - Istituto Dermatologico dell'Immacolata IDI IRCCS; Roma

11/2021 - Presente: **Dottorando di Ricerca**; Istituto di Medicina e Chirurgia Traslazionale - Università Cattolica del Sacro Cuore; Roma

11/2018 - 10/2022: **Medico in Formazione Specialistica** in Endocrinologia e Malattie del Metabolismo - Università Cattolica del Sacro Cuore; Roma

04/2018 - 10/2018: **Medico Interno Frequentatore** UOC Endocrinologia e Malattie del Metabolismo - Fondazione Policlinico Universitario A. Gemelli IRCCS; Roma

## RELAZIONI A CONVEGNI NAZIONALI/INTERNAZIONALI

2/6/2023 - Hyperthyroidism and Pregnancy - Symposium on thyroid gland and pregnancy with international participation; Podgorica - Montenegro

28/4/2023 - Infertilità Maschile tra ambiente e stili di vita - Congresso internazionale "La Rivoluzione Billings 70 anni dopo: dalla conoscenza della fertilità alla medicina personalizzata"; Roma - Italia

## ISCRIZIONI A SOCIETÀ SCIENTIFICHE

*Endocrine Society*

*European Society of Endocrinology*

Associazione Medici Endocrinologi (AME)

## PARTECIPAZIONE A CONVEGNI NAZIONALI E INTERNAZIONALI

- 24th European Congress of Endocrinology (ECE2022), organizzato dalla European Society of Endocrinology, 21-24 Maggio 2022 - Milano

- 41 Incontri Italiani Ipotalamo Ipofisari organizzato dalla Società Italiana di Endocrinologia, 30 Gennaio - 1 Febbraio 2020 - Roma

- 10 th European Congress of Andrology (ECA2018), organizzato dalla European Academy of Andrology, 11-13 Ottobre 2018 - Budapest - Ungheria

- ENDO19: Congress of the Endocrine Society, 23-26 Marzo 2019 - New Orleans LA - USA

- 20th European Congress of Endocrinology (ECE2018), organizzato dalla European Society of Endocrinology, 19-22 Maggio 2018 - Barcellona - Spagna

## ATTIVITÀ EDITORIALE

**Review Editor** - Frontiers in Endocrinology (IF 2022 6.055)

**Reviewer** per le riviste *International Journal of Molecular Sciences*, *Nutrients*, *Minerva Endocrinologica*; *Journal of Endocrinological Investigation*;

## PUBBLICAZIONI SU RIVISTE INTERNAZIONALI

Teveroni E, Di Nicuolo F, Vergani E, **Bruno C**, Maulucci G, Bianchetti G, Astorri AL, Grande G, Gervasoni J, Santucci L, De Spirito M, Urbani A, Pontecorvi A, Mancini F, Milardi A. Short-Chain Fatty Acids Modulate Sperm Migration through Olfactory Receptor 51E2 Activity. *Int J Mol Sci*, 2022, 23, 12726.

Teveroni E, Di Nicuolo F, Vergani E, Bianchetti G, **Bruno C**, Maulucci G, De Spirito M, Cenci T, Pierconti F, Gulino G, Bassi P, Pontecorvi A, Milardi D, Mancini F. PTTG1/ZEB1 axis regulates E-Cadherin expression in human seminoma. *Cancers (Basel)*, 2022, in press

Rossi ED, Trapongo P, Fiorentino V, Curatolo M, **Bruno C**, De Crea C, Raffaelli M, Pontecorvi A, Larocca LM. Approach to FNA of thyroid gland cysts. *Adv Anat Pathol*, 2022;29(6): 358-364.

Vergani E, **Bruno C**, Cipolla C, Currò D, Mancini A. Neudesin Plasmatic Levels And Glucose Metabolism In Obese And Overweight Children: Preliminary Data. *Front Endocrinol*, 2022, in press.

Rossi ED, Locantore P, **Bruno C**, Dell'Aquila M, Trapongo P, Curatolo M, Revelli L, Raffaelli M, Larocca LM, Pantanowitz L, Pontecorvi A. Molecular characterization of thyroid follicular lesions in the era of "next-generation" techniques. *Front Endocrinol*, 2022;13:834456. doi:10.3389/fendo.2022.834456

**Bruno C**, Basile U, Vergani E, Napodano C, Oliva A, Gulli F, Meucci E, Silvestrini A, Orlando P, Silvestri S, Tiano L, Mancini A. Inflammation and Oxidative Stress in Seminal Plasma: Search for Biomarkers in Diagnostic Approach to Male Infertility. *Int J Mol Sci*, 2022.

Basile U, Vergani E, Napodano C, **Bruno C**; Marino M, Oliva A, Gulli F, Mancini A. Evaluation of free light chains of immunoglobulins in normal and pathological seminal fluids: preliminary data. *Andrologia* 2022,

**Bruno C**, Vergani E, Giusti M, Oliva A, Cipolla C, Pitocco D, Mancini A. The "Adipo-Cerebral" Dialogue in Childhood Obesity: Focus on Growth and Puberty. Physiopathological and Nutritional Aspects. *Nutrients*. 2021;13(10):3434. doi: 10.3390/nu13103434. PMID: 34684432; PMCID: PMC8539184.

Basile U, **Bruno C**, Napodano C, Vergani E, Gulli F, Piunno G, Pocino K, Stefanile A, Mancini A. Evaluation of immunoglobulins subclasses and free-light chains in non-obese patients with polycystic ovary syndrome and correlations with hormonal and metabolic parameters: preliminary data. *Eur Rev Med Pharmacol Sci*. 2021(12):4198-4204. doi: 10.26355/eurrev\_202106\_26122. PMID: 34227086.

Vergani E, **Bruno C**, Gavotti C, Aversa LS, Martire M, Mancini A, Currò D. LEAP-2/Ghrelin interplay in adult growth hormone deficiency: cause or consequence? A pilot study. *IUBMB Life*. 2021, 73(7):978-984. doi: 10.1002/iub.2504

Mancini A, Guidi F, **Bruno C**, Angelini F, Vergani E, Lanza P, Mordente A, Meucci E, Silvestrini A. Can plasma antioxidants prevent DNA damage in oxidative stress condition induced by growth hormone deficiency? A pilot study. *Plos One*, 2021 16(4):e0248971. <https://doi.org/10.1371/journal.pone.0248971>

Mancini A, Guidi F, **Bruno C**, Angelini F, Vergani E, Lanza P, Mordente A, Meucci E, Silvestrini A. Can plasma antioxidants prevent DNA damage in oxidative stress condition induced by growth hormone deficiency? A pilot study. *Plos One*, 2021 16(4):e0248971. <https://doi.org/10.1371/journal.pone.0248971>

Mancini A, **Bruno C**, Vergani E, d'Abate C, Giacchi E, Silvestrini A. Oxidative Stress and Low-Grade Inflammation in Polycystic Ovary Syndrome: Controversies and New Insights. *Int J Mol Sci*. 2021 Feb 7;22(4):1667. doi: 10.3390/ijms22041667

Mancini A, Currò D, Cipolla C, Barini A, **Bruno C**, Vergani E, Di Segni C, Guidi F, Nicolotti N, Silvestrini A, Meucci E, Valentini P, Rossodivita AN. Evaluation of Kisspeptin levels in prepubertal obese and overweight children: sexual dimorphism and modulation of

antioxidant levels. *Eur Rev Med Pharmacol Sci*. 2021 Jan;25(2):941-949. doi: 10.26355/eurrev\_202101\_24663.

De Matteis G, Covino M, Burzo ML, Della Polla DA, Petti A, **Bruno C**, Franceschi F, Mancini A, Gambassi G. Prognostic role of hypothyroidism and low free-triiodothyronine levels in patients hospitalized with acute heart failure. *Int Emerg Med*, 2020 in press

Mancini A, **Bruno C**, Vergani E, Brunetti A, Palmisano G, Pontecorvi A. " Non-classical" indication for provocative testing of growth hormone: a retrospective cohort study in adult patients under replacement therapy. *Endocr Metabol Imm Dis Drug Targets*, 2020 in press

Corsello A, **Bruno C**, Rizza R, Concolino P, Papi GP, Rindi G, Pontecorvi A, Paragliola RM. A Novel MEN1 pathogenic variant in an Italian patient with Multiple Endocrine Neoplasia Type 1. *Mol Biol Rep*, 2020 in press

Vergani E, **Bruno C**, Napodano C, Gulli F, Stefanile A, Piunno G, Basile U, Mancini A. Immune dyscrasia in adult growth hormone deficiency: evaluation of hemolytic complement activity (CH50) and IgG subclasses. *Biomed Pharmacother*, 2020 in press

Vergani E, **Bruno C**, Silvestrini A, Meucci E, Proietti L, Perna A, Tamburrelli FC, Mancini A. Oxidative stress and anabolic hormones in back pain: Current concept and preliminary analysis in male cohort. *Orthop Rev (Pavia)*, 2020, 12. doi: [10.4081/or.2020.8686](https://doi.org/10.4081/or.2020.8686)

Mancini A, **Bruno C**, Vergani E, Guidi F, Angelini F, Meucci E, Silvestrini A. Evaluation of oxidative stress effects on different macromolecules in adult growth hormone deficiency. *Plos One*, 2020 in press

**Bruno C**, Silvestrini A, Calarco R, Favuzzi AMR, Vergani E, Nicolazzi MA, d'Abate C, Meucci E, Mordente A, Landolfi R, Mancini A. Anabolic hormones deficiencies in Heart Failure with Preserved Ejection Fraction: prevalence and impact on antioxidants levels and myocardial dysfunction. *Front Endocrinol (Lausanne)*, 2020, 11:281. doi: 10.3389/fendo.2020.00281

Currò D, Vergani E, **Bruno C**, Comi S, D'Abate C, Mancini A. Plasmatic Lipocalin-2 levels in chronic low grade inflammation syndromes: comparison between metabolic syndrome, total and partial adult growth hormone deficiency. *Biofactors*, 2020,doi: 10.1002/biof.1628. Online ahead of print.

Mancini A, Favuzzi AMR, **Bruno C**, Nicolazzi MA, Vergani E, Ciferri N, Silvestrini A, Meucci E, Nicolotti N, D'Assante R, Cittadini A. Anabolic hormones deficiencies in heart failure with reduced or preserved ejection fraction and correlation with plasma total antioxidant capacity. *Int J Endocrinol*, 2020, 2020:5798146. doi:10.1155/2020/5798146

Giagulli VA, Silvestrini A, Triggiani V, **Bruno C**, Mancini A. Is there room for SERMs or SARMs as alternative therapies for adult male hypogonadism? *Int J Endocrinol*, 2020, 2020:9649838. doi:10.1155/2020/9649838

Vergani E, **Bruno C**, Raimondo S, Macis G, Vecchio FM, Riccardi L, Ponziani FR, Pompili M, Mancini A. Recurrent hepatocellular carcinoma in non-classical adreno-genital syndrome. *Eur Rev Med Pharmacol Sci*, 2020, 24: 4172-4179

Favuzzi AMR, Venuti A, **Bruno C**, Nicolazzi MA, Fuorlo M, Dajko M, De Waure C, Landolfi R, Mancini A. Hormonal deficiencies in heart failure with preserved ejection fraction: prevalence and impact on diastolic dysfunction: a pilot study. *Eur Rev Med Pharmacol Sci* 2020, 24(1): 352-361

Mancini A, Vergani E, **Bruno C**, Palladino A, Brunetti A. Mancini A, Brunetti A. Relevance of Adherence Monitoring in Adult Patients With Growth Hormone Deficiency Under Replacement Therapy: Preliminary Monocentric Data With Easypod™ Connect. *Front Endocrinol (Lausanne)*. 2019 Jun 28;10:416

Mancini A, Brunetti A, **Bruno C**, Vergani E, Pocino K, Napodano C, Gulli F, Santini SA, Basile U. Plasmatic free light chains in polycystic ovary syndrome. *Gynecol Endocrinol*, 2019, 5:1-4

Negri M, Macerola M, Mancarella FA, **Bruno C**, De Leva F, D'Argento F, Pontecorvi A, Modoni A, Tartagliome L, Di Leo M, Pitocco D. A Late Onset of Wernicke-Korsakoff Encephalopathy After Biliopancreatic Diversion: a Case Report. *Obes Surg* 2019, 29(7): 2309-2311. doi: 10.1007/s11695-019-03894-5.

Silvestrini A, **Bruno C**, Vergani E, Guidi F, Meucci E, Mordente A, Mancini A. Circulating irisin levels in heart failure with preserved or reduced ejection fraction: a cross-sectional pilot study. *Plos One* 2019, 18;14(1):e0210320.

Basile U, **Bruno C**, Napodano C, Vergani E, Pocino K, Brunetti A, Gulli F, Santini SA, Mancini A. Plasma free light chains as inflammatory marker in insulin resistance: comparison of metabolic syndrome and adult growth hormone deficiency. *Biofactors* 2018, 44(5): 480-484.

Mancini A, Vergani E, **Bruno C**, Olivieri G, Di Segni C, Silvestrini A, Venuti A, Favuzzi AMR, Meucci E. Oxidative Stress as a possible mechanism underlying multihormonal deficiency in Chronic Heart Failure. *Eur Rev Med Pharmacol Sci* 2018, 22: 3935-3960.

Bossone E, Arcopinto M, Iacoviello M (...), Mancini A, (...) **Tosca Investigators**. Multiple hormonal and metabolic deficiency syndrome in chronic heart failure: rationale, design, and demographic characteristics of the T.O.S.CA. Registry. *Intern Emerg Med* 2018, doi: 10.1007/s11739-018-1844-8.

Mancini A, **Bruno C**, Vergani E, Olivieri G, Morandotti GA, Nagel D, Quaranta G, Certo M, Masucci L. Chronic Prostatitis and small intestinal bacterial overgrowth: is there a correlation? *Ann Infect* 2018.

Silvestrini A, Mordente A, Martino G, **Bruno C**, Vergani E, Meucci E, Mancini A, The Role of Selenium in Oxidative Stress and in Nonthyroidal Illness Syndrome (NTIS): an overview. *Curr Med Chem*. 2018 Jan 31. doi:10.2174/0929867325666180201111159.

Mancini A, Di Segni C, **Bruno C**, Olivieri G, Guidi F, Silvestrini A, Meucci E, Orlando P, Silvestri S, Tiano L, Pontecorvi A. Oxidative stress in adult growth hormone deficiency: different plasma antioxidant pattern in comparison with metabolic syndrome. *Endocrine* 2018; 59(1):130-136. doi:10.1007/s12020-017-1468-1.

Mancini A, **Bruno C**, Vergani E, Olivieri G, Di Segni C, Giacchi E. Reciprocal influences between thyroid hormones and oxidative stress on ovarian function. *Current Trends in Clinical Embryology* 2018; 4(3): 97-106. doi:[10.11138/cce/2017.4.3.091](https://doi.org/10.11138/cce/2017.4.3.091)

#### **CAPITOLI DI VOLUMI EDITI A STAMPA**

Vergani E, **Bruno C**, Mancini A. Clinical Presentation in: Mancini A (edited by) *Adult Growth Hormone Deficiency: physiopathological and clinical aspects* 2019. Turin. Minerva Medica publishing, in press.

Mancini A, **Bruno C**, Vergani E. Therapeutic Aspects in: Mancini A (edited by) *Adult Growth Hormone Deficiency: physiopathological and clinical aspects* 2019. Turin. Minerva Medica publishing, in press.

**Bruno C**, Vergani E, Mancini A. Diagnostic Tools in: Mancini A (edited by) *Adult Growth Hormone Deficiency: physiopathological and clinical aspects* 2019. Turin. Minerva Medica publishing, in press.

Cutini M, **Bruno C**, Mancini A, Balercia G (2020). Antioxidants and Male Infertility in Parekattil S, Esteves S, Agarwal A (edited by) *Male Infertility*. 2020 Springer Cham. ISBN 978-3-030-32300-4

Mancini A, **Bruno C**, Palladino A, Vergani E, Giacchi E. GH-IGF1 axis in spermatogenesis and male infertility in: Singh R (edited by) *Molecular Signaling in Spermatogenesis and Male Infertility*. 2019 CRC pub. ISBN 9780367199302

*Il sottoscritto, consapevole che – ai sensi dell’art. 76 del D.P.R. 445/2000 – le dichiarazioni mendaci, la falsità negli atti e l’uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali, dichiara che le informazioni rispondono a verità.*

*Il sottoscritto in merito al trattamento dei dati personali esprime il proprio consenso al trattamento degli stessi nel rispetto delle finalità e modalità di cui al d.lgs. n. 196/2003.*

Roma, 10/9/2023

