

## CV BARBIERI MICHELANGELA

### PERSONAL INFORMATION

**Birthdate:** Born in Naples, 20 October 1973.

**Nationality:** Italian

**Civil status:** Married with two children

**Private Address:** Via V.Cuoco 15 – NAPLES (Italy) ;

**Office Address:** Department of Surgical Medical Sciences, Neurological , Metabolic and aging,  
University of Campania “Luigi Vanvitelli”, Italy – Piazza Miraglia 2- 80138 Napoli

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**POSITION** Assistant Professor in Internal Medicine-SSD MED/09-Department of Surgical Medical Sciences, Neurological , Metabolic and Aging, University of Campania “Luigi Vanvitelli”, Italy, Naples - Italy

### EDUCATION:

- July 1998: Degree in Medicine and Surgery, Second University of Naples, Italy
- 2001: Research Fellow -Department of Experimental Medicine (Prof. Claudio Franceschi) at University of Bologna – acquiring specific experimental techniques for the acquisition and the evaluation of genetic, clinical, epidemiological and demografic data and performing studies on gene polymorphism involved in insulin/IGF1 signalling
- October 2002: Specialist in Geriatric Medicine (Second University of Naples).
- January 2006: PhD in Geriatric Physiopathology (XVIII Cycle) (Second University of Naples).
- Session 2013. National Scientific Qualification (art.16 of the law 30 December 2010, n.240) to function as Associate Professor in Italian Universities

**Mother tongue(s)** Italian

| Other language(s) | UNDERSTANDING |         | SPEAKING           |                   | WRITING |
|-------------------|---------------|---------|--------------------|-------------------|---------|
|                   | Listening     | Reading | Spoken interaction | Spoken production |         |
| English           | B2            | C2      | B2                 | B2                | C2      |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user

## **WORK EXPERIENCE:**

- 2006-2012 Postdoctoral Contract Researcher at the Department of Surgical Medical Sciences, Neurological , Metabolic and Aging, Second University of Naples, Italy
- 05/11/2011–27/06/2013 Geriatric specialist VI Division of Internal Medicine –AOU SUN
- 28/06/2013–27/06/2016. Assistant Professor in Internal Medicine-SSD MED/09- Lex 240/2010-Type A. Department of Surgical Medical Sciences, Neurological, Metabolic and Aging, University of Campania “Luigi Vanvitelli”, Italy, Naples – Italy
- 01/11/2016 to present Assistant Professor in Internal Medicine-SSD MED/09- Lex 240/2010-TypeB. Department of Surgical Medical Sciences, Neurological, Metabolic and Aging, University of Campania “Luigi Vanvitelli”, Italy, Naples - Italy

## **RESEARCH ACTIVITY**

- Since 1996 she's been attending the Department of Medical, Surgical, Neurological, Metabolic and Aging Sciences, Second University of Naples Since 1996 she has focused his research interest on the peculiar aspects of the aging processes, including the relationships among aging, glucose metabolism and cardiovascular diseases. Furthermore, in the last ten years she has also made several investigation for addressing some genetic aspect of human longevity addressing the role of gene polymorphism involved in insulin/IGF1 signalling, inflammation and oxidative stress. In 2001 she attended the Department of Experimental Medicine (Prof. Claudio Franceschi) at University of Bologna – acquiring specific experimental techniques for the acquisition and the evaluation of genetic, clinical, epidemiological and demographic data. In 2001 she also collaborated with the National Institute on Aging, Intramural Research Program Gerontology Research Center, Baltimore, Maryland-USA (Prof. Luigi Ferrucci) to the elaboration of epidemiological data of the InCHIANTI Study. During this period she especially dedicated to the study of metabolic alterations that underlie the progressive functional decline in the elderly. Since 2006 he has scientific collaborations (including related publications are authentic) with the Center of Human Development and Aging, University of Medicine and Dentistry of New Jersey, Newark, NJ, United States (Dir. Abraham Aviv). She has taken part to several ministerial (MIUR, PRIN, FIRB) and FP7 research programs and to the organization of conventions and training course.

### **Main Research Topics**

1. study of the molecular and metabolic aspects of aging and longevity including the relationships between aging, glucose metabolism and cardiovascular diseases;
2. study of the role of lifestyle in preventing fragility;
3. definition of the cardiometabolic risk in the elderly patient;
4. study of glycemic variability and its relation to the development of diabetic cardiovascular complications in adults and the elderly;
5. study of the relationship between glycemic variability and cognitive and functional decline;

6. study of the role of the different genetic polymorphisms in metabolic diseases linked to aging and determinism of longevity
7. Study of epigenetic modifications (methylation, miRNA ect, histone modifications) associated with the main aged related diseases.
8. study of telomeres and their impact on longevity

### **Bibliometric Indexes**

PubMed publications: 107

- Citations (Scopus): 4402
- Citations (Google Scholar): 5957
- H index (Scopus): 37
- H index (Google Scholar): 44
- Total Impact Factor: >550

### **Research ID**

ORCID ID [orcid.org/0000-0002-9223-5792](https://orcid.org/0000-0002-9223-5792)

Scopus Author ID: 55424560900

ResearcherID: K-2192-2016

### **PROJECTS**

M. Barbieri has taken part to several national and international research programs:

1. Funding for PRIN projects from the MIUR (Italian Ministry for University and Research) (with international blind reviewers).
2. Genetic factors involved in aging and human longevity. National Coordinator: Prof C. Franceschi (University of Bologna)
3. 2001 - Funding for FIRB project, from the MIUR (Italian Ministry for University and Research), (with international blind reviewers). Identification of nucleus-mitochondrial genomic profiles in the pathogenesis of common age-associated diseases. Diagnostic and therapeutic implications. National Coordinator: Prof C. Franceschi (University of Bologna)
4. 2003– Funding for PRIN projects from the MIUR (Italian Ministry for University and Research) (with international blind reviewers). Human longevity and genes involved in the insulin signaling pathway, and IGF-1. National Coordinator: Prof C. Franceschi (University of Bologna)
5. 2000 - Funding from the Italian Ministry for Health (with international blind reviewers). Genetic and metabolic markers of successfully aging: the model of centenarians. National Coordinator: Prof C. Franceschi (University of Bologna)

6. 2002 Funding from the Italian Ministry for Health (with international blind reviewers). Multicenter study of genetic and non-genetic determinants of health in old age National Coordinator: Prof C. Franceschi (University of Bologna)
7. 2006,2008, 2010 - Funding from the Pharmacovigilance and Pharmaceutical Sector and Campania Region (Topics: Diabetes, Stroke, Hypertension)
8. 2011- Funding from the Italian Ministry for Health - National Center for Disease Prevention and Control (CCM) 2011 "PROMOTION OF LIVING STYLES FOR PREVENTING DISABILITY IN ELDERLY"
9. 2011- FP7 EP7-HEALTH-2011- two stage-SP1: Project n 278803 "A randomized trial to evaluate the effectiveness of a multi-modal intervention in older people with type 2 diabetes on frailty and quality of life: the mid-frail study"
10. 2012 Funding for PRIN project, from the MIUR (Italian Ministry for University and Research) - Genes, environment and metabolism: predictors, modulator and markers of aging and vascular cardiometabolic risk. National Coordinator: Massimo Federici
11. 2015 (Call 2014) Funding from the Campania Region. Implementation Of Accreditation Procedure And Correct Use Of Hospital And Territorial Services Of Elderly Patient of Campania Region
12. 2016 Funding from the Italian Ministry for Health. Network Project. GERIATRIC OUTCOMES AMONG OLDER TYPE 2 DIABETIC PATIENTS TREATED WITH DPP4-INHIBITORS OR GLINIDES (GOOD)
13. 2017 (call 2015) Funding for PRIN project, from the MIUR (Italian Ministry for University and Research) -MOLECULAR, TRANSLATIONAL AND CLINICAL ASPECTS OF AGE RELATED METABOLIC DISEASES. National Coordinator: Giuseppe Paolisso

#### **POSITIONS HELD WITHIN SCIENTIFIC SOCIETIES AND OTHER PUBLIC ENTITIES**

1. Members of the Italian Society of Gerontology and Geriatrics (SIGG)
2. Member of the "Campania Sud" Ethics Committee"
3. Member of the Executive Committee of SIGG Campania Section (2018-2020)

#### **MEMBERSHIPS:**

**In Focus Editor** of the International JOURNAL OF BIOCHEMISTRY AND CELL BIOLOGY (BC)

**Editorial Board:** Dr Barbieri is member of the editorial board of

- ACTA DIABETOLOGIA
- International Journal of Aging & Clinical Research
- Journal of Clinical and Laboratory Investigation Updates
- Journal of Gerontology and Geriatrics

- Journal of Ageing & Age Related Diseases

**Peer-review activity:** Dr Barbieri serves as reviewer for the following journals:

a) Experimental Diabetes Research; b) Acta Diabetologica; c) Journal of Diabetes Research; d) BMC Endocrine Disorders, e) PlosOne f) Atherosclerosis g) Journal of Diabetes and Its Complications.

## **DIDACTICS**

- (2017 to present) - Professor of Internal Medicine and Geriatrics at English Degrees in Medicine & Surgery at University of Campania "Luigi Vanvitelli", Italy, Naples – Italy
- (2014-2016) Professor of Internal Medicine and Geriatrics at Degree in Nurse sciences at University of Campania "Luigi Vanvitelli", Italy, Naples – Italy
- (2016 to present) Professor of Emergencies for Medical doctors at Degrees in Medicine & Surgery at University of Campania "Luigi Vanvitelli", Italy, Naples – Italy
- (2013 to present) School of Specialization in Geriatric, at University of Campania "Luigi Vanvitelli", Italy, Naples – Italy
- (2016 to present) School of Specialization in Emergencies for Medical doctors, at University of Campania "Luigi Vanvitelli", Italy, Naples – Italy
- (2017 to present) School of Specialization in Diseases of the Digestive System at University of Campania "Luigi Vanvitelli", Italy, Naples - Italy
- (2017-2018) member of the Collegium of the PhD "Medical, Clinical and Experimental Sciences. University of Campania "Luigi Vanvitelli", Italy, Naples – Italy
- (2018 -) M. Barbieri is member of the Collegium of the PhD "Translational medicine" University of Campania "Luigi Vanvitelli", Italy, Naples – Italy

## **HONOURS AND AWARDS**

1. Award for best Communication for Scientific Contribution: Blood Pressure and IGF-1 Plasma Levels in Healthy Centenarians. Presented at the 43rd SIGG Congress, Florence, 12/15 Nov 1998
2. Award for Best Communication for Scientific Contribution: Role of PPARg Gene Polymorphism in Longevity. Presented at the 49 SIGG Congress, Florence, 7 Nov 2004

## **PATIENTS HEALTH CARE ACTIVITY**

M. Barbieri served as a specialist in Geriatrics at the IV Division of Internal Medicine (Director Prof. Michele Varricchio) from 1999 to 2002 and then until 2013 she attended the VI Division of Internal Medicine and Nutrition and Aging diseases, acquiring special skills in the diagnosis and therapy of elderly patients affected by major age related diseases (diabetes,

dementia, cardiovascular disease). During these years it has devoted particular attention to the evaluation of the metabolic-nutritional status of diabetic and obese patients, gaining experience and manuality in the execution metabolic diagnostic tests such as indirect calorimetry and the 24-hour continuous glucose monitoring (CGM) useful for assessing energy expenditure and glycemic control of diabetic patients. In addition, in recent years, he has collaborated for psychometric evaluation of hospitalized patients through the administration of questionnaires and tools (Mini Mental State Examination, ADL, IADL, CIRS-G, GDS, Trail Making Test A and B, Rey Memory Test) for exploring the cognitive and functional performance and the presence of comorbidities in elderly patients. She is currently working as a medical manager at the IV Division of Internal Medicine (Prof. Giuseppe Paolisso), AOU SUN, University of Campania, Luigi Vanvitelli, collaborating in the diagnosis and therapy of elderly patients affected major age-related diseases.

## **TRAINING EVENTS PRESENTATION**

As part of the continuing Educational Program in Medicine, she has participated as rapporteur / lecturer at the following training events:

1. 26/10/2006 "Hypertension In Elderly: Which Indications For Proper Use Of The Drug" (ECM Reference: 8109 - 251532) Second University of Naples. Title of the report: "METABOLIC ALTERATIONS DETERMINING IPERTENSION IN THE ELDERLY "
2. 15/03/2007: Cerebrovascular Risk Factors and Their Impact on Pharmaceutical Expenditure. (Reference ECM: 8109 - 267884), Crowne Plaza, Viale Delle Industrie 81100, Caserta. Title of the report: "STROKE RISK IN METABOLIC DISEASES"
3. 14/06/2007 Therapeutic appropriateness In Type II Diabetes (ECM Reference: 8109 - 282845) Hotel Mediterraneo Via Nuova Ponte Di Tappia n ° 25, 80133 Naples. Title of the report: The segregatogues
4. 26/10/2010 Second Edition Hypertension In Elderly: Which Indications For Proper Use Of The Medication ". Second University of Naples - Via S. M. Costantinopoli 104.
5. 09/09/2010: Second Edition The Cerebrovascular Risk Factors and Their Impact on Pharmaceutical Expenditure. (ECM reference 8109 - 10024306). Palazzo Caracciolo, via Carbonara 112, Naples
6. 22/11/2012. 57th National Congress SIGG Milan, 21-24 November 2012. Title of the report: Insulin signal: aging and longevity.
7. 29 /11/ 2017 62nd National Congress SIGG , Naples, Title of the report "Diabetic Heart in the Elderly Patient".

## **COMPUTER SKILLS**

Good command of Microsoft Windows /Mac Os, Office™ Excel tools. Statistical Software

## PUBLICATIONS

1. Paolisso G, Tagliamonte MR, Rizzo MR, Rotondi M, Gualdiero P, Gambardella A, **Barbieri M**, Carella C, Giugliano D, Varricchio M. Mean arterial blood pressure and serum levels of the molar ratio of insulin-like growth factor-1 to its binding protein-3 in healthy centenarians. *J HYPERTENS*. 1999 Jan;17(1):67-73.
2. Paolisso G, Manzella D, **Barbieri M**, Rizzo MR, Gambardella A, Varricchio M. Baseline heart rate variability in healthy centenarians: differences compared with aged subjects (>75 years old). *CLIN SCI (Lond)*. 1999 Nov;97(5):579-84.
3. Paolisso G, Esposito R, D'Alessio MA, **Barbieri M**. Primary and secondary prevention of atherosclerosis: is there a role for antioxidants? *DIABETES METAB*. 1999 Sep;25(4):298-306. **Review.**
4. Paolisso G, Tagliamonte MR, Rizzo MR, Carella C, Gambardella A, **Barbieri M**, Varricchio M. Low plasma insulin-like growth factor-1 concentrations predict worsening of insulin-mediated glucose uptake in older people. *J AM GERIATR SOC*. 1999 Nov;47(11):1312-8.
5. Paolisso G, Tagliamonte MR, **Barbieri M**, Zito GA, Gambardella A, Varricchio G, Ragno E, Varricchio M. Chronic vitamin E administration improves brachial reactivity and increases intracellular magnesium concentration in type II diabetic patients. *J CLIN ENDOCRINOL METAB*. 2000 Jan;85(1):109-15.
6. Paolisso G, Manzella D, Rizzo MR, **Barbieri M**, Varricchio G, Gambardella A, Varricchio M. Effects of insulin on the cardiac autonomic nervous system in insulin-resistant states. *CLIN SCI (LOND)*. 2000 Feb;98(2):129-36.
7. **Barbieri M**, Barbagallo M, Petrella G, Ragno E, Carbonella M, Palmieri F, Paolisso G, Varricchio M. The predictive role of insulin-like growth factor-I on insulin-mediated glucose uptake in the elderly. *J ENDOCRINOL INVEST*. 1999;22(10 Suppl):53-4
8. Paolisso G, Manzella D, Rizzo MR, **Barbieri M**, Gambardella A, Varricchio M. Effects of glucose ingestion on cardiac autonomic nervous system in healthy centenarians: differences with aged subjects. *EUR J CLIN INVEST*. 2000 Apr;30(4):277-84.
9. Paolisso G, Barbagallo M, Petrella G, Ragno E, **Barbieri M**, Giordano M, Varricchio M. Effects of simvastatin and atorvastatin administration on insulin resistance and respiratory quotient in aged dyslipidemic non-insulin dependent diabetic patients. *ATHEROSCLEROSIS*. 2000 May;150(1):121-7.
10. Paolisso G, Manzella D, Rizzo MR, Ragno E, **Barbieri M**, Varricchio G, Varricchio M. Elevated plasma fatty acid concentrations stimulate the cardiac autonomic nervous system in healthy subjects. *AM J CLIN NUTR*. 2000 Sep;72(3):723-30.

11. Paolisso G, **Barbieri M**, Bonafe M, Franceschi C. Metabolic age modelling: the lesson from centenarians. EUR J CLIN INVEST. 2000 Oct;30(10):888-94. **Review**.
12. Paolisso G, Manzella D, Tagliamonte MR, **Barbieri M**, Marfella R, Zito G, Bonafe M, Giugliano D, Franceschi C, Varricchio M. The BB-paraoxonase genotype is associated with impaired brachial reactivity after acute hypertriglyceridemia in healthy subjects. J CLIN ENDOCRINOL METAB. 2001 Mar;86(3):1078-82.
13. **Barbieri M**, Rizzo MR, Manzella D, Paolisso G. Age-related insulin resistance: is it an obligatory finding? The lesson from healthy centenarians. DIABETES METAB RES REV. 2001 Jan-Feb;17(1):19-26. **Review**.
14. Manzella D, **Barbieri M**, Ragno E, Paolisso G. Chronic administration of pharmacologic doses of vitamin E improves the cardiac autonomic nervous system in patients with type 2 diabetes. AM J CLIN NUTR. 2001 Jun;73(6):1052-7.
15. Paolisso G, **Barbieri M**, Rizzo MR, Manzella D. Should we recommend the therapeutical use of vitamin E in diabetic patients? ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, 10, 159-165, 2001
16. Manzella D, **Barbieri M**, Rizzo MR, Ragno E, Passariello N, Gambardella A, Marfella R, Giugliano D, Paolisso G. Role of free fatty acids on cardiac autonomic nervous system in non insulin-dependent diabetic patients: effects of metabolic control. J CLIN ENDOCRINOL METAB. 2001 Jun;86(6):2769-74.
17. Paolisso G, **Barbieri M**. Response to "Serum insulin-like growth factor-1 (IGF-1) in centenarians: implications of IGF-1 as a turnover protein". J GERONTOL A BIOL SCI MED SCI. 2001 Oct;56(10):M662-3.
18. Galderisi M, Vitale G, Lupoli G, **Barbieri M**, Varricchio G, Carella C, de Divitiis O, Paolisso G. Inverse association between free insulin-like growth factor-1 and isovolumic relaxation in arterial systemic hypertension. HYPERTENSION. 2001 Oct;38(4):840-5
19. **Barbieri M**, Paolisso G. Response to "Diabetes in elderly adults". J GERONTOL A BIOL SCI MED SCI. 2001 Nov;56(11):M736-7.
20. **Barbieri M**, Ragno E, Benvenuti E, Zito GA, Corsi A, Ferrucci L, Paolisso G. New aspects of the insulin resistance syndrome: impact on haematological parameters. DIABETOLOGIA. 2001 Oct;44(10):1232-7.
21. Paolisso G, **Barbieri M**, Rizzo MR, Carella C, Rotondi M, Bonafe M, Franceschi C, Rose G, De Benedictis G. Low insulin resistance and preserved beta-cell function contribute to human longevity but are not associated with TH-INS genes. EXP GERONTOL. 2001 Dec;37(1):149-56.

22. **Barbieri M**, Bonafe M, Marfella R, Ragno E, Giugliano D, Franceschi C, Paolisso G. LL-paraoxonase genotype is associated with a more severe degree of homeostasis model assessment IR in healthy subjects. *J CLIN ENDOCRINOL METAB*. 2002 Jan;87(1):222-5.
23. Rizzo MR, Ragno E, **Barbieri M**, De Lucia D, Manzella D, Tagliamonte MR, Colaizzo D, Margaglione M, Paolisso G. Elevated plasma activator inhibitor 1 is not related to insulin resistance and to gene polymorphism in healthy centenarians. *ATHEROSCLEROSIS*. 2002 Feb;160(2):385-90.
24. Bonafe M, Marchegiani F, Cardelli M, Olivieri F, Cavallone L, Giovagnetti S, Pieri C, Marra M, Antonicelli R, Troiano L, Gueresi P, Passeri G, Berardelli M, Paolisso G, **Barbieri M**, Tesei S, Lisa R, De Benedictis G, Franceschi C. Genetic analysis of Paraoxonase (PON1) locus reveals an increased frequency of Arg192 allele in centenarians. *EUR J HUM GENET*. 2002 May;10(5):292-6.
25. Illiano G, Naviglio S, Pagano M, Spina A, Chiosi E, **Barbieri M**, Paolisso G. Leptin affects adenylate cyclase activity in H9c2 cardiac cell line: effects of short- and long-term exposure. *AM J HYPERTENS*. 2002 Jul;15(7 Pt 1):638-43
26. Galderisi M, Caso P, Cicala S, De Simone L, **Barbieri M**, Vitale G, de Divitiis O, Paolisso G. Positive association between circulating free insulin-like growth factor-1 levels and coronary flow reserve in arterial systemic hypertension. *AM J HYPERTENS*. 2002 Sep;15(9):766-72.
27. **Barbieri M**, Ferrucci L, Ragno E, Corsi A, Bandinelli S, Bonafe M, Olivieri F, Giovagnetti S, Franceschi C, Guralnik JM, Paolisso G. Chronic inflammation and the effect of IGF-I on muscle strength and power in older persons. *AM J PHYSIOL ENDOCRINOL METAB*. 2003 Mar;284(3):E481-7. 2002.
28. **Barbieri M**, Rizzo MR, Ragno E, Grella R, Manzella D, Carbonella M, Saccomanno F, Paolisso G. Insulin resistance, plasma PAI-1 levels and PAI-1 gene polymorphism in healthy centenarians. *J ENDOCRINOL INVEST*. 2002;25(10 Suppl):110-2.
29. **Barbieri M**, Rizzo MR, Manzella D, Grella R, Ragno E, Carbonella M, Abbatecola AM, Paolisso G. Glucose regulation and oxidative stress in healthy centenarians. *EXP GERONTOL*. 2003 Jan-Feb;38(1-2):137-43.
30. Esposito K, Nappo F, Giugliano F, Di Palo C, Ciotola M, **Barbieri M**, Paolisso G, Giugliano D. Cytokine milieu tends toward inflammation in type 2 diabetes. *DIABETES CARE*. 2003 May;26(5):1647
31. Bonafe M, **Barbieri M**, Marchegiani F, Olivieri F, Ragno E, Giampieri C, Mugianesi E, Centurelli M, Franceschi C, Paolisso G. Polymorphic variants of insulin-like growth factor I (IGF-I) receptor and phosphoinositide 3-kinase genes affect IGF-I plasma levels and human

- longevity: cues for an evolutionarily conserved mechanism of life span control. J CLIN ENDOCRINOL METAB. 2003 Jul;88(7):3299-304.
32. **Barbieri M**, Ferrucci L, Corsi AM, Macchi C, Lauretani F, Bonafe M, Olivieri F, Giovagnetti S, Franceschi C, Paolisso G. Is chronic inflammation a determinant of blood pressure in the elderly? AM J HYPERTENS. 2003 Jul;16(7):537-43.
  33. Paolisso G, Rizzo MR, **Barbieri M**, Manzella D, Ragno E, Maugeri D. Cardiovascular risk in type 2 diabetics and pharmacological regulation of mealtime glucose excursions. DIABETES METAB. 2003 Sep;29(4 Pt 1):335-40. **Review.**
  34. **Barbieri M**, Bonafe M, Franceschi C, Paolisso G. Insulin/IGF-I-signaling pathway: an evolutionarily conserved mechanism of longevity from yeast to humans. AM J PHYSIOL ENDOCRINOL METAB. 2003 Nov;285(5):E1064-71. **Review.**
  35. Esposito K, Nappo F, Giugliano F, Di Palo C, Ciotola M, **Barbieri M**, Paolisso G, Giugliano D. Meal modulation of circulating interleukin 18 and adiponectin concentrations in healthy subjects and in patients with type 2 diabetes mellitus. AM J CLIN NUTR. 2003 Dec;78(6):1135-40.
  36. Abbatecola AM, Ferrucci L, Grella R, Bandinelli S, Bonafe M, **Barbieri M**, Corsi AM, Lauretani F, Franceschi C, Paolisso G. Diverse effect of inflammatory markers on insulin resistance and insulin-resistance syndrome in the elderly. J AM GERIATR SOC. 2004 Mar;52(3):399-404.
  37. Rizzo MR, **Barbieri M**, Grella R, Passariello N, Barone M, Paolisso G. Repaglinide is more efficient than glimepiride on insulin secretion and post-prandial glucose excursions in patients with type 2 diabetes. A short term study. DIABETES METAB. 2004 Feb;30(1):81-9.
  38. **M. Barbieri**, M Bonafè, MR Rizzo, E Ragno, F Olivieri, F Marchegiani, C Franceschi, G. Paolisso Gender Specific Association Of Genetic Variation In Peroxisome Proliferator Activated Receptor (Ppar)  $\alpha$ -2 With Longevity .EXPERIMENTAL GERONTOLOGY Jul;39(7):1095-100, 2004
  39. M.R. Rizzo, D. Mari, **M. Barbieri**, E. Ragno, R. Grella, R Provenzano, I. Villa, K Esposito, D. Giugliano and G. Paolisso. Resting Metabolic Rate And Respiratory Quotient In Human Longevity. J CLIN ENDOCRINOL METAB. 2005 Jan;90(1):409-13
  40. Perego L, Pizzocri P, Corradi D, Maisano F, Paganelli M, Fiorina P., **Barbieri M**, Morabito A, Paolisso G, Folli F, Pontiroli Ae. Circulating Leptin Correlates With Left Ventricular Mass In Morbid (Grade III) Obesity Before And After Weight Loss Induced By Lagb. A Potential Role For Leptin In Mediating Human Left Ventricular Hypertrophy. J CLIN ENDOCRINOL METAB. 2005 90:4087-4093

41. **M. Barbieri**, MR Rizzo, M. Papa, R. Acampora, L. De Angelis, F. Olivieri, F. Marchegiani, C. Franceschi and G. Paolisso. Role Of Interaction Between Variants In The PPARG And Interleukin -6 Genes On Obesity Related Metabolic Risk Factors. EXPERIMENTAL GERONTOLOGY. 2005 Jul;40(7):599-604.
42. M.R. Rizzo, G. Paolisso, R. Grella, **M. Barbieri**, E. Grella, E. Ragno, R. Grella, G. Nicoletti and F. D'Andrea Is Dermolipectomy Effective On Improving Insulin Action And On Lowering Inflammatory Markers In Obese Women? CLIN. ENDOCRINOL, (OXF). 2005 Sep;63(3):253-8
43. MR Rizzo, **M Barbieri**, R Grella, N Passariello, G Paolisso Repaglinide has more beneficial effect on cardiovascular risk factors than glimepiride: data from meal-test study. DIABETES METAB. 2005 Jun;31(3 Pt 1):255-60.
44. Angela M. Abbatecola, Luigi Ferrucci, GianPaolo Ceda, Cosimo R. Russo, Fulvio Lauretani, Stefania Bandinelli, **Michelangelo Barbieri**, Giorgio Valenti and Giuseppe Paolisso Insulin Resistance and Muscle Strength in Older Persons J GERONTOL A BIOL SCI MED SCI. 2005 Oct;60(10):1278-82
45. Francesco D'Andrea, Roberto Grella, Maria Rosaria Rizzo, Elisa Grella, Rodolfo Grella, Gianfranco Nicoletti, **Michelangelo Barbieri** and Giuseppe Paolisso. Changing the Metabolic Profile by Large-Volume Liposuction: A Clinical Study Conducted with 123 Obese Women. AESTHETIC PLAST SURG. 2005 29:472-8
46. Abbatecola AM, Rizzo MR, **Barbieri M**, Grella R, Arciello A, Laieta MT, Acampora R, Passariello N, Cacciapuoti F, Paolisso G. Postprandial plasma glucose excursions and cognitive functioning in aged type 2 diabetics. NEUROLOGY. 2006 Jul 25;67(2):235-40
47. **Barbieri M**, Gambardella A, Paolisso G, Varricchio M. Metabolic aspects of the extreme longevity. EXP GERONTOL. 2008; 43:74-8. **Review**
48. Passeri G, Vescovini R, Sansoni P, Galli C, Franceschi C, Passeri M; **Italian Multicentric Study on Centenarians (IMUSCE)**. Calcium metabolism and vitamin D in the extreme longevity. EXP GERONTOL. 2008 Feb;43(2):79-87. Epub 2007 Jul 4. **Review**.
49. Marfella R, Di Filippo C, Portoghese M, Ferraraccio F, Crescenzi B, Siniscalchi M, **Barbieri M**, Bologna C, Rizzo MR, Rossi F, D'Amico M, Paolisso G. Proteasome Activity as a Target of Hormone Replacement Therapy-Dependent Plaque Stabilization in Postmenopausal Women. HYPERTENSION. 2008 Apr;51(4):1135-41.
50. Kimura M, **Barbieri M\***, Gardner JP, Skurnick J, Cao X, van Riel N, Rizzo MR, Paolisso G, Aviv A. Leukocytes of exceptionally old persons display ultra-short telomeres. AM J PHYSIOL REGUL INTEGR COMP PHYSIOL. 2007 Dec;293(6):R2210-7.  
**(\* M. Kimura and M. Barbieri equally contributed to this research.)**
51. Marfella R, Di Filippo C, Laieta MT, Vestini R, **Barbieri M**, Sangiulo P, Crescenzi B, Ferraraccio F, Rossi F, D'Amico M, Paolisso G. Effects of ubiquitin-proteasome system

deregulation on the vascular senescence and atherosclerosis process in elderly patients. J GERONTOL A BIOL SCI MED SCI. 2008 Feb;63(2):200-3.

52. **Michelangelo Barbieri**, Raffaele Marfella, Maria Rosaria Rizzo, Virginia Boccardi, Mario Siniscalchi, Concetta Schiattarella, Silvio Siciliano, Pietro Lemmo, Giuseppe Paolisso. The - 8 Utr C/G Polymorphism Of PSMA6 Gene Is Associated With Susceptibility To Myocardial Infarction In Type 2 Diabetic Patients; ATHEROSCLEROSIS. 2008 Nov;201(1):117-23.
53. Marfella R, **Barbieri M**, Paolisso G. Insulin therapy and lipid overload in type 2 diabetes. JAMA. 2008 Aug 20;300(7):789; author reply 790. PubMed PMID:18714057.
54. Abbatecola AM, **Barbieri M**, Rizzo M, Grella R, Laieta MT, Quaranta E, Molinari AM, Cioffi M, Fioretto P, Paolisso P. Arterial stiffness and cognition in elderly with impaired glucose tolerance and microalbuminuria. JOURNALS OF GERONTOLOGY 2008; Medical Sciences 2008 Sep;63(9):991-6.
55. Rizzo MR, Abbatecola AM, **Barbieri M**, Vietri MT, Cioffi M, Grella R, Molinari AM, Forsey R, Powell J, Paolisso G. Evidence for anti-inflammatory effects of combined administration of vitamin e and c in older persons with impaired fasting glucose: impact on insulin action. J AM COLL NUTR. 2008 Aug;27(4):505-11.
56. Marfella R, Filippo CD, Portoghese M, Siniscalchi M, Martis S, Ferraraccio F, Guastafierro S, Nicoletti G, **Barbieri M**, Coppola A, Rossi F, Paolisso G, D'Amico M. The ubiquitin-proteasome system contributes to the inflammatory injury in ischemic diabetic myocardium: the role of glycemic control. CARDIOVASC PATHOL. 2009 Jan 12. PubMed PMID: 19144543
57. **Barbieri M**, Boccardi V, Papa M, Paolisso G. Metabolic journey to healthy longevity. HORM RES. 2009 Jan;71 Suppl 1:24-7. Epub 2009 Jan 21. PubMed PMID:19153500.
58. Marfella R, **Barbieri M**, Grella R, Rizzo MR, Nicoletti GF, Paolisso G. Effects of vildagliptin twice daily vs. sitagliptin once daily on 24-hour acute glucose fluctuations. J DIABETES COMPLICATIONS. 2009 Mar 3. PubMed PMID: 19261490.
59. Marfella R, Di Filippo C, Portoghese M, **Barbieri M**, Ferraraccio F, Siniscalchi M, Cacciapuoti F, Rossi F, D'Amico M, Paolisso G. Myocardial lipid accumulation in patients with pressure-overloaded heart and metabolic syndrome. J LIPID RES. 2009 May 24. [Epub ahead of print] PubMed PMID: 19470430.
60. Marfella R, Grella R, Rizzo MR, **Barbieri M**, Grella R, Ferraraccio F, Cacciapuoti F, Mazzarella G, Ferraro N, D'andrea F, Paolisso G, Nicoletti G. Role of Subcutaneous Abdominal Fat on Cardiac Function and Proinflammatory Cytokines in Premenopausal Obese Women. ANN PLAST SURG. 2009 Oct 2. PubMed PMID: 19806043.
61. Dall'asta C, Paganelli M, Morabito A, Vedani P, **Barbieri M**, Paolisso G, Folli F, Pontiroli AE. Weight Loss Through Gastric Banding: Effects on TSH and Thyroid Hormones in Obese

Subjects With Normal Thyroid Function. OBESITY (Silver Spring).2009 Oct 15. [Epub ahead of print] PubMed PMID: 19834461

62. **Barbieri M**, Paolisso G, Kimura M, Gardner JP, Boccardi V, Papa M, Hjelmberg JV, Christensen K, Brimacombe M, Nawrot TS, Staessen JA, Pollak MN, Aviv A. Higher circulating levels of IGF-1 are associated with longer leukocyte telomere length in healthy subjects. MECH. AGEING DEV. 2009 Nov-Dec;130(11-12):771-6.
63. Marfella R, Portoghese M, Ferraraccio F, Siniscalchi M, **Barbieri M**, Di Filippo C, D'Amico M, Rossi F, Paolisso G Thiazolidinediones may contribute to the intramyocardial lipid accumulation in diabetic myocardium: effects on cardiac function. HEART. 2009 Jun;95(12):1020-2.
64. **Barbieri M**, Rizzo MR, Papa M, Boccardi V, Esposito A, White MF, Paolisso G. The IRS2 Gly1057Asp Variant Is Associated With Human Longevity. J GERONTOL A BIOL SCI MED SCI. 2010 Mar;65(3):282-6
65. Marfella R, **Barbieri M**, Ruggiero R, Rizzo MR, Grella R, Mozzillo AL, Docimo L, Paolisso G. Bariatric surgery reduces oxidative stress by blunting 24-hours acute glucose fluctuations in type 2 diabetic obese patients. DIABETES CARE. 2010 Feb;33(2):287-9 Med PMID: 19889803.
66. Boccardi V., Rizzo M. R., Marfella R., Papa M., Esposito A., Portoghese M., Paolisso G. and **Barbieri M**. -94 Ins/Del ATTG Nfkb1 Gene Variant Is Associated With Lower Susceptibility To Myocardial Infarction. NUTRITION, METABOLISM AND CARDIOVASCULAR DISEASES, Epub 2010 Mar 19
67. **Barbieri M**, Boccardi V, Esposito A, Papa M, Vestini F, Rizzo MR, Paolisso G. A/ASP/VAL allele combination of IGF1R, IRS2, and UCP2 genes is associated with better metabolic profile, preserved energy expenditure parameters, and low mortality rate in longevity. AGE (Dordr). 2011 Feb 22. [Epub ahead of print].
68. Marfella R, Ferraraccio F, Rizzo MR, Portoghese M, **Barbieri M**, Basilio C, Nersita R, Siniscalchi LI, Sasso FC, Ambrosino I, Siniscalchi M, Maresca L, Sardu C, Amato G, Paolisso G, Carella C. Innate immune activity in plaque of patients with untreated and L-thyroxine-treated subclinical hypothyroidism. J CLIN ENDOCRINOL METAB. 2011 Apr;96(4):1015-20. Epub 2011 Jan 14. PubMed PMID: 21239513.
69. Boccardi V, Ambrosino I, Papa M, Fiore D, Rizzo MR, Paolisso G, **Barbieri M**. Potential role of TCF7L2 gene variants on cardiac sympathetic/parasympathetic activity. EUR J HUM GENET. 2010 Dec;18(12):1333-8.
70. Rizzo MR, Marfella R, **Barbieri M**, Boccardi V, Vestini F, Lettieri B, Canonico S, Paolisso G. Relationships between daily acute glucose fluctuations and cognitive performance among aged type 2 diabetic patients. DIABETES CARE. 2010 Oct;33(10):2169-74.

71. **Barbieri M**, Di Filippo C, Esposito A, Marfella R, Rizzo MR, D'Amico M, Ferraraccio F, Di Ronza C, Duan SZ, Mortensen RM, Rossi F, Paolisso G. Effects of PPARs agonists on cardiac metabolism in littermate and cardiomyocyte-specific PPAR- $\gamma$ -knockout (CM-PGKO) mice. PLOS ONE. 2012;7(4):e35999. Epub 2012 Apr 26.
72. Rizzo MR, **Barbieri M**, Marfella R, Paolisso G. Reduction of Oxidative Stress and Inflammation by Blunting Daily Acute Glucose Fluctuations in Patients With Type 2 Diabetes: Role of dipeptidyl peptidase-IV inhibition. DIABETES CARE. 2012 Oct;35(10):2076-82. Epub 2012 Jun 11.
73. Balestrieri ML, Servillo L, Esposito A, D'Onofrio N, Giovane A, Casale R, **Barbieri M**, Paolisso P, Rizzo MR, Paolisso G, Marfella R. Poor glycaemic control in type 2 diabetes patients reduces endothelial progenitor cell number by influencing SIRT1 signalling via platelet-activating factor receptor activation. DIABETOLOGIA. 2012 Oct 16. [Epub ahead of print]
74. Rizzo MR, **Barbieri M**, Marfella R, Paolisso G. Response to Comment on: Rizzo et al. Reduction of Oxidative Stress and Inflammation by Blunting Daily Acute Glucose Fluctuations in Patients With Type 2 Diabetes: Role of Dipeptidyl Peptidase-IV Inhibition. Diabetes Care 2012;35:2076-2082. DIABETES CARE. 2013 Jan;36(1):e13.
75. Marfella R, Sasso FC, Rizzo MR, Paolisso P, **Barbieri M**, Padovano V, Carbonara O, Gualdiero P, Petronella P, Ferraraccio F, Petrella A, Canonico R, Campitiello F, Della Corte A, Paolisso G, Canonico S. Dipeptidyl peptidase 4 inhibition may facilitate healing of chronic foot ulcers in patients with type 2 diabetes. EXP DIABETES RES. 2012; Epub 2012 Nov 1.
76. **Barbieri M**, Rizzo Mr, Marfella R, Boccardi V, Esposito A, Pansini A And Paolisso G Decreased carotid atherosclerotic process by control of daily acute glucose fluctuations in diabetic patients treated by DPP-IV inhibitors. ATHEROSCLEROSIS, 2013 Apr;227(2):349-542013
77. Marfella R, Sasso FC, Siniscalchi M, Cirillo M, Paolisso P, Sardu C, **Barbieri M**, Rizzo MR, Mauro C, Paolisso G. Brief episodes of silent atrial fibrillation were associated with an increased risk of silent cerebral infarct and stroke in type 2 diabetic patients. J Am Coll Cardiol. 2013 May 15. 1. [Epub ahead of print] PubMed PMID: 23684685.
78. Napoli C, Paolisso G, Casamassimi A, Al-Omran M, **Barbieri M**, Sommese L, Infante T, Ignarro LJ. Effects of Nitric Oxide on Cell Proliferation: Novel Insights. J Am Coll Cardiol. 2013 May 8
79. Boccardi V, Esposito A, Rizzo MR, Marfella R, **Barbieri M**, Paolisso G. Mediterranean Diet, Telomere Maintenance and Health Status among Elderly. PLoS One. 2013 Apr 30;8(4):e62781. doi: 10.1371/journal.pone.0062781. Print 2013. PubMed PMID: 23646142; PubMed Central PMCID: PMC3640022.
80. **Barbieri M**, Esposito A, Angellotti E, Rizzo MR, Marfella R, Paolisso G. Association of Genetic Variation in Adaptor Protein APPL1/APPL2 Loci with Non-Alcoholic Fatty Liver Disease. PLoS One. 2013 Aug 19;8(8):e71391. doi: 10.1371/journal.pone.0071391. PubMed PMID: 23977033; PubMed Central PMCID: PMC3747137.

81. Marfella R, Rizzo MR, Siniscalchi M, Paolisso P, **Barbieri M**, Sardu C, Savinelli A, Angelico N, Del Gaudio S, Esposito N, Rambaldi PF, D'Onofrio N, Mansi L, Mauro C, Paolisso G, Balestrieri ML. Peri-procedural tight glycemic control during early percutaneous coronary intervention up-regulates endothelial progenitor cell level and differentiation during acute ST-elevation myocardial infarction: Effects on myocardial salvage. *Int J Cardiol.* 2013 Jul 19. doi:pil: S0167-5273(13)01107-8. 10.1016/j.ijcard.2013.06.053. [Epub ahead of print] PubMed PMID: 23876463.
82. Boccardi V, **Barbieri M**, Rizzo MR, Marfella R, Esposito A, Marano L, Paolisso G. A new pleiotropic effect of statins in elderly: modulation of telomerase activity. *FASEB J.* 2013 Sep;27(9):3879-85. doi: 10.1096/fj.13-232066. Epub 2013 Jun 7. PubMed PMID: 23748973.
83. Marfella R, Di Filippo C, Potenza N, Sardu C, Rizzo MR, Siniscalchi M, Musacchio E, **Barbieri M**, Mauro C, Mosca N, Solimene F, Mottola MT, Russo A, Rossi F, Paolisso G, D'Amico M. Circulating microRNA changes in heart failure patients treated with cardiac resynchronization therapy: responders vs. non-responders. *Eur J Heart Fail.* 2013 Jun 4. [Epub ahead of print] PubMed PMID: 23736534.
84. Gardner M, Bann D, Wiley L, Cooper R, Hardy R, Nitsch D, Martin-Ruiz C, Shiels P, Sayer AA, **Barbieri M**, Bekaert S, Bischoff C, Brooks-Wilson A, Chen W, Cooper C, Christensen K, De Meyer T, Deary I, Der G, Roux AD, Fitzpatrick A, Hajat A, Halaschek-Wiener J, Harris S, Hunt SC, Jagger C, Jeon HS, Kaplan R, Kimura M, Lansdorp P, Li C, Maeda T, Mangino M, Nawrot TS, Nilsson P, Nordfjall K, Paolisso G, Ren F, Riabowol K, Robertson T, Roos G, Staessen JA, Spector T, Tang N, Unryn B, van der Harst P, Woo J, Xing C, Yadegarfar ME, Park JY, Young N, Kuh D, vonZglinicki T, Ben-Shlomo Y; the Halcyon study team. Gender and telomere length: Systematic review and meta-analysis. *Exp Gerontol.* 2013 Dec 21;51C:15-27. doi:10.1016/j.exger.2013.12.004. [Epub ahead of print] PubMed PMID: 24365661.
85. Marfella R, Rizzo MR, Capoluongo MC, Ambrosino M, Savinelli A, Cinone F, Martinelli G, Fava I, Petrella A, **Barbieri M**, Paolisso G. Cryptogenic stroke and diabetes: a probable link between silent atrial fibrillation episodes and cerebrovascular disease. *Expert Rev Cardiovasc Ther.* 2014 Jan 27. [Epub ahead of print] PubMed PMID: 24460120
86. Rizzo MR, **Barbieri M**, Boccardi V, Angellotti E, Marfella R, Paolisso G. Dipeptidyl peptidase-4 inhibitors have protective effect on cognitive impairment in aged diabetic patients with mild cognitive impairment. *J Gerontol A Biol Sci Med Sci.* 2014 Sep;69(9):1122-31. doi: 10.1093/gerona/glu032. Epub 2014 Mar 26. PubMed PMID: 24671867.
87. Rizzo MR, Sasso FC, Marfella R, Siniscalchi M, Paolisso P, Carbonara O, Capoluongo MC, Lascar N, Pace C, Sardu C, Passavanti B, **Barbieri M**, Mauro C, Paolisso G. Autonomic dysfunction is associated with brief episodes of atrial fibrillation in type 2 diabetes. *J*

Diabetes Complications. 2015 Jan-Feb;29(1):88-92. doi: 10.1016/j.jdiacomp.2014.09.002. Epub 2014 Sep 16. PubMed PMID: 25266244.

88. Balestrieri ML, Rizzo MR, **Barbieri M**, Paolisso P, D'Onofrio N, Giovane A, Siniscalchi M, Minicucci F, Sardu C, D'Andrea D, Mauro C, Ferraraccio F, Servillo L, Chirico F, Caiazza P, Paolisso G, Marfella R. Sirtuin 6 expression and inflammatory activity in diabetic atherosclerotic plaques: effects of incretin treatment. *Diabetes*. 2015 Apr;64(4):1395-406. doi: 10.2337/db14-1149. Epub 2014 Oct 16. PubMed PMID: 25325735.
89. Balestrieri ML, Rizzo MR, **Barbieri M**, Paolisso P, D'Onofrio N, Giovane A, Servillo L, Paolisso G, Marfella R. Response to comment on Balestrieri et al. Sirtuin 6 expression and inflammatory activity in diabetic atherosclerotic plaques: effects of incretin treatment. *Diabetes* 2015;64:1395-1406. *Diabetes*. 2015 May;64(5):e6. doi: 10.2337/db14-1676. PubMed PMID: 25908881.
90. Marfella R, **Barbieri M**, Sardu C, Rizzo MR, Siniscalchi M, Paolisso P, Ambrosino M, Fava I, Materazzi C, Cinquegrana G, Gottilla R, Elia LR, D'andrea D, Coppola A, Rambaldi PF, Mauro C, Manzi L, Paolisso G. Effects of  $\alpha$ -lipoic acid therapy on sympathetic heart innervation in patients with previous experience of transient takotsubo cardiomyopathy. *J Cardiol*. 2015 Sep 4. pii: S0914-5087(15)00224-5. doi: 10.1016/j.jjcc.2015.07.012. [Epub ahead of print] PubMed PMID: 26347218.
91. Sardu C, **Barbieri M**, Rizzo MR, Paolisso P, Paolisso G, Marfella R. Cardiac Resynchronization Therapy Outcomes in Type 2 Diabetic Patients: Role of MicroRNA Changes. *J Diabetes Res*. 2016;2016:7292564. doi: 10.1155/2016/7292564. Epub 2015 Nov 9. Review.
92. **Barbieri M**, Rizzo MR, Fava I, Sardu C, Angelico N, Paolisso P, Abbatecola A, **Paolisso G**, Marfella R. Awakening Blood Pressure Surge and Progression to Microalbuminuria in Type 2 Normotensive Diabetic Patients. *J Diabetes Res*. 2016;2016:5876792. doi: 10.1155/2016/5876792. Epub 2015 Dec 28.
93. Rizzo MR, **Barbieri M**, Fava I, Desiderio M, Coppola C, Marfella R, **Paolisso G**. Sarcopenia in Elderly Diabetic Patients: Role of Dipeptidyl Peptidase 4 Inhibitors. *J Am Med Dir Assoc*. 2016 Jun 2. pii: S1525-8610(16)30110-4. doi: 10.1016/j.jamda.2016.04.016.
94. Sardu C, Santamaria M, Rizzo MR, **Barbieri M**, di Marino M, **Paolisso G**, Santulli G, Marfella R. Telemonitoring in heart failure patients treated by cardiac resynchronisation therapy with defibrillator (CRT-D): the TELECARD Study. *Int J Clin Pract*. 2016 Jun 13. doi: 10.1111/ijcp.12823. [Epub ahead of print]
95. Maria Rosaria De Pascale, Giuseppe Bruzzese, Ettore Crimi, Vincenzo Grimaldi, Antonio Liguori, Sergio Brongo, **Michelangelo Barbieri**, Antonietta Picascia, Concetta Schiano, Linda Sommese, Nicola Ferrara, Giuseppe Paolisso, Claudio Napoli. Severe Type 2 Diabetes

Induces Reversible Modifications of Endothelial Progenitor Cells Which are Ameliorate by Glycemic Control. *International Journal of Stem Cells*, 9 (1), 137-144, 2016.

96. Steenstrup T, Kark JD, Verhulst S, Thinggaard M, Hjelmberg JV, Dalgård C, Kyvik KO, Christiansen L, Mangino M, Spector TD, Petersen I, Kimura M, Benetos A, Labat C, Sinnreich R, Hwang SJ, Levy D, Hunt SC, Fitzpatrick AL, Chen W, Berenson GS, **Barbieri M**, Paolisso G, Gadalla SM, Savage SA, Christensen K, Yashin AI, Arbeevev KG, Aviv A. Telomeres and the natural lifespan limit in humans. *Aging (Albany NY)*. 2017 Apr 6. doi: 10.18632/aging.101216. [Epub ahead of print]
97. Sardu C, Santamaria M, Funaro S, Sacra C, **Barbieri M**, Paolisso P, Marfella R, Paolisso G, Rizzo MR. Cardiac electrophysiological alterations and clinical response in cardiac resynchronization therapy with a defibrillator treated patients affected by metabolic syndrome. *Medicine (Baltimore)*. 2017 Apr;96(14):e6558. doi: 10.1097/MD.0000000000006558.
98. Sardu C, Santulli G, Santamaria M, **Barbieri M**, Sacra C, Paolisso P, D'Amico F, Testa N, Caporaso I, Paolisso G, Marfella R, Rizzo MR. Effects of Alpha Lipoic Acid on Multiple Cytokines and Biomarkers and Recurrence of Atrial Fibrillation Within 1 Year of Catheter Ablation. *Am J Cardiol*. 2017 May 1;119(9):1382-1386. doi: 10.1016/j.amjcard.2017.01.040. Epub 2017 Feb 10.
99. Vitale G, **Barbieri M**, Kamenetskaya M, Paolisso G GH/IGF-I/insulin system in centenarians. *Mech Ageing Dev*. 2016 Dec 5. pii: S0047-6374(16)30233-0. doi: 10.1016/j.mad.2016.12.001. [Epub ahead of print] Review.
100. **Barbieri M**, Marfella R, Esposito A, Rizzo MR, Angellotti E, Mauro C, Siniscalchi M, Chirico F, Caiazzo P, Furbatto F, Bellis A, D'Onofrio N, Vitiello M, Ferraraccio F, Paolisso G, Balestrieri ML. Incretin treatment and atherosclerotic plaque stability: Role of adiponectin/APPL1 signaling pathway. *J Diabetes Complications*. 2017 Feb;31(2):295-303. doi: 10.1016/j.jdiacomp.2016.10.001. Epub 2016 Oct 5.
101. Sardu C, **Barbieri M**, Santamaria M, Giordano V, Sacra C, Paolisso P, Spirito A, Marfella R, Paolisso G, Rizzo MR. Multipolar pacing by cardiac resynchronization therapy with a defibrillators treatment in type 2 diabetes mellitus failing heart patients: impact on responders rate, and clinical outcomes. *Cardiovasc Diabetol*. 2017 Jun 9;16(1):75. doi: 10.1186/s12933-017-0554-2.
102. Marfella R, Sardu C, Balestrieri ML, Siniscalchi M, Minicucci F, Signoriell G, Calabrò P, Mauro C, Pieretti G, Coppola A, Nicoletti G, Rizzo MR, Paolisso G, **Barbieri M**. Effects of incretin treatment on cardiovascular outcomes in diabetic STEMI-patients with culprit obstructive and multivessel no obstructive-coronary-stenosis. *Diabetol Metab Syndr*. 2018 Jan 3;10:1. doi:10.1186/s13098-017-0304-3. eCollection 2018. PubMed PMID: 29308090; PubMedCentral PMCID: PMC5751832

103. De Franciscis P, **Barbieri M**, Leo S, Dalise AM, Sardu C, Marfella R, Colacurci N, Paolisso G, Rizzo MR. Serum adiponectin levels are associated with worse cognitive function in postmenopausal women. *PLoS One*. 2017 Dec 21;12(12):e0186205. doi: 10.1371/journal.pone.0186205. eCollection 2017. PubMed PMID: 29267309; PubMed Central PMCID: PMC5739380.
104. Marfella R, Sardu C, Calabrò P, Siniscalchi M, Minicucci F, Signoriello G, Balestrieri ML, Mauro C, Rizzo MR, Paolisso G, **Barbieri M**. Non-ST-elevation myocardial infarction outcomes in patients with type 2 diabetes with non-obstructive coronary artery stenosis: Effects of incretin treatment. *Diabetes Obes Metab*. 2017 Sep 26. doi: 10.1111/dom.13122. [Epub ahead of print] PubMed PMID: 28950045.
105. Sardu C, Marfella R, Testa G, Santamaria M, Sacra C, Ranauro A, Paolisso G, Rizzo MR, **Barbieri M**. Electrophysiological mechanisms underlying the Inhibitory Cardiac syncope without asystolic significant pause: Therapeutic and prognostic implications. The ELICA randomized trial. *Medicine (Baltimore)*. 2018 Aug;97(31):e11757. doi: 10.1097/MD.00000000000011757.
106. Sardu C, Marfella R, Santamaria M, Papini S, Parisi Q, Sacra C, Colaprete D, Paolisso G, Rizzo MR, **Barbieri M**. Stretch, Injury and Inflammation Markers Evaluation to Predict Clinical Outcomes After Implantable Cardioverter Defibrillator Therapy in Heart Failure Patients With Metabolic Syndrome. *Front Physiol*. 2018 Jun 26;9:758. doi: 10.3389/fphys.2018.00758. eCollection 2018.
107. Abbatecola AM, Russo M, **Barbieri M**. Dietary patterns and cognition in older persons. *Curr Opin Clin Nutr Metab Care*. 2018 Jan;21(1):10-13. doi: 10.1097/MCO.0000000000000434. Review.