



MASTER PEDIATRIC ENDOCRINOLOGY AND DIABETES

CURRICULUM VITAE

PERSONAL INFORMATIONS

Name **CARLA BIZZARRI**
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Naztonality **Italian**
Date of birth **21/09/66**

WORK EXPERIENCE

- Date **December 2003 up to now**
- Title Paediatric Endocrinologist in the Unit of Endocrinology and Diabetes
- Job Clinical activity and Clinical research for in Pediatric Endocrinology and Diabetes
- Office "Bambino Gesù" Children's Hospital - Piazza Sant'Onofrio, 4 - 00165 - Rome - Italy
- Department Unit of Endocrinology and Diabetes
- Date **July 1999–December 2003**
- Title Clinical Fellowship at the Unit of Growth Disorders
- Office "Bambino Gesù" Children's Hospital - Piazza Sant'Onofrio, 4 - 00165 - Rome - Italy
- Department Unit of Endocrinology and Diabetes
- Date **August 1998-July 1999**
- Title Research grant for the study: "Use if recombinant growth hormone to improve the muscular performance of patients with spinal muscular atrophy"
- Office "Bambino Gesù" Children's Hospital - Piazza Sant'Onofrio, 4 - 00165 - Rome - Italy

STUDIES

- November 2010: Board Certification in Endocrinology and Metabolism.
University "Campus Biomedico" - Rome.
- November 1999: Board Certification in Neonatology at the Catholic University of Rome

November 1995	Board Certification in General Pediatrics at the Catholic University of Rome. Thesis: "Prognosis of transient hyperglycemia in children: evaluation of specific cases"
October 1991:	MD degree (magna cum laude). Thesis: "Psychological aspects of type 1 diabetes in pediatric and adolescent patients"
1985-1991:	Medical School of the Catholic University of Rome - Policlinico Agostino Gemelli
July 1985:	high school diploma (Maturità Classica), magna cum laude

LANGUAGE SKILLS

MOTHER TONGUE	ITALIAN
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OTHER LANGUAGE	ENGLISH Advanced knowledge
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COMPUTER SKILLS AND COMPETENCES	Excellent knowledge of Windows and Microsoft Office operating system Good knowledge of SPSS
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PUBLICATIONS

1. Fintini D, Pedicelli S, Bocchini S, Bizzarri C, Grugni G, Cappa M, Crinò A. 25OH vitamin D levels in pediatric patients affected by Prader-Willi syndrome. *J Endocrinol Invest.* 2017 Nov 3. doi: 10.1007/s40618-017-0781-0.
2. Spagnoli A, Borsellino A, Crucianelli S, Bizzarri C, Mucciolo M, Trucchi A, Ferro F. Complete Scrotal Agenesis: New Surgical Approach Using Self-Inflating Tissue Expander. *Urology.* 2017 Oct 25. pii: S0090-4295(17)31098-1. doi: 10.1016/j.urology.2017.10.015.
3. Bonomi M, Vezzoli V, Krausz C, Guizzardi F, Vezzani S, Simoni M, Bassi I, Duminuco P, Di Iorgi N, Giavoli C, Pizzocaro A, Russo G, Moro M, Fatti L, Ferlin A, Mazzanti L, Zatelli MC, Cannavò S, Isidori AM, Pincelli AI, Prodam F, Mancini A, Limone P, Tanda ML, Gaudino R, Salerno M, Francesca P, Maghnie M, Maggi M, Persani L; Italian Network on Central Hypogonadism. Characteristics of a nationwide cohort of patients presenting with isolated hypogonadotropic hypogonadism (IHH). *Eur J Endocrinol.* 2018 Jan;178(1):23-32. doi: 10.1530/EJE-17-0065.
4. Bizzarri C, Lonero A, Delvecchio M, Cavallo L, Faienza MF, Giordano M, Dello Strologo L, Cappa M. Growth hormone treatment improves final height and nutritional status of children with chronic kidney disease and growth deceleration. *J Endocrinol Invest.* 2017 Aug 17. doi: 10.1007/s40618-017-0745-4.
5. Bizzarri C, Pisaneschi E, Mucciolo M, Pedicelli S, Galeazzi D, Novelli A, Cappa M. Lipoid congenital adrenal hyperplasia by steroidogenic acute regulatory protein (STAR) gene mutation in an Italian infant: an uncommon cause of adrenal insufficiency. *Ital J Pediatr.* 2017 Jun 20;43(1):57. doi:10.1186/s13052-017-0371-y.
6. Bugianesi E, Bizzarri C, Rosso C, Mosca A, Panera N, Veraldi S, Dotta A, Giannone G, Raponi M, Cappa M, Alisi A, Nobili V. Low Birthweight Increases the Likelihood of Severe Steatosis in Pediatric Non-Alcoholic Fatty Liver Disease. *Am J Gastroenterol.* 2017 Aug;112(8):1277-1286. doi: 10.1038/ajg.2017.140.
7. Bizzarri C, Cappa M. Down Syndrome (Trisomy 21) and Diabetes Front Diabetes. 2017; 25: 60-165 <https://doi.org/10.1159/000454743>.
8. Bizzarri C, Improda N, Maggioli C, Capalbo D, Roma S, Porzio O, Salerno M, Cappa M. HYDROCORTISONE THERAPY AND GROWTH TRAJECTORY IN CHILDREN WITH CLASSICAL CONGENITAL ADRENAL HYPERPLASIA. *Endocr Pract.* 2017 May;23(5):546-556. doi: 10.4158/EP171751.OR.
9. Bizzarri C, Pedicelli S, Cappa M, Cianfarani S. Water Balance and 'Salt Wasting' in the First Year of Life: The Role of Aldosterone-Signaling Defects. *Horm Res Paediatr.* 2016;86(3):143-153.
10. Bizzarri C, Olivini N, Pedicelli S, Marini R, Giannone G, Cambiaso P, Cappa M. Congenital primary adrenal insufficiency and selective aldosterone defects presenting as salt-wasting in infancy: a single center 10-year experience. *Ital J Pediatr.* 2016 Aug 2;42(1):73. doi: 10.1186/s13052-016-0282-3.
11. Bizzarri C, Massimi A, Federici L, Cualbu A, Loche S, Bellincampi L, Bernardini S, Cappa M, Porzio O. A New Homozygous Frameshift Mutation in the HSD3B2 Gene in an Apparently Nonconsanguineous Italian Family. *Horm Res Paediatr.* 2016;86(1):53-61. doi: 10.1159/000444712.
12. Diamanti A, Capriati T, Bizzarri C, Ferretti F, Ancinelli M, Romano F, Perilli A, Laureti F, Locatelli M. Autoimmune diseases and celiac disease which came first: genotype or gluten? *Expert Rev Clin Immunol.* 2016;12(1):67-77. doi: 10.1586/1744666X.2016.1095091.
13. Bizzarri C, Paladini A, Benevento D, Fierabracci A, Cappa M. Family history and ethnicity influencing clinical presentation of type 1 diabetes in childhood. *J Endocrinol Invest.* 2015 Oct;38(10):1141-3. doi: 10.1007/s40618-015-0317-4.
14. Ciccone S, Marini R, Bizzarri C, El Hachem M, Cappa M. Cushing's Syndrome in a 6-month-old Boy: A Rare Side-effect due to Inadequate use of Topical Corticosteroids. *Acta Derm Venereol.* 2016 Jan;96(1):138-9. doi: 10.2340/00015555-2151.
15. Bizzarri C, Pinto RM, Ciccone S, Brescia LP, Locatelli F, Cappa M. Early and progressive insulin resistance in young, non-obese cancer survivors treated with

hematopoietic stem cell transplantation. *Pediatr Blood Cancer*. 2015 Sep;62(9):1650-5. doi: 10.1002/pbc.25603.

16. Bizzarri C, Bottaro G. Endocrine implications of neurofibromatosis 1 in childhood. *Horm Res Paediatr*. 2015;83(4):232-41. doi: 10.1159/000369802.

17. Bizzarri C, Pedicelli S, Boscherini B, Bedogni G, Cappa M, Cianfarani S. Early retesting by GHRH + arginine test shows normal GH response in most children with idiopathic GH deficiency. *J Endocrinol Invest*. 2015 Apr;38(4):429-36. doi: 10.1007/s40618-014-0205-3.

18. Giovannoni I, Callea F, Travaglini L, Amodeo A, Cogo P, Secinaro A, Bizzarri C, Cutrera R, El Hachem M, Francalanci P. Heart transplant and 2-year follow up in a child with generalized arterial calcification of infancy. *Eur J Pediatr*. 2014 Dec;173(12):1735-40. doi: 10.1007/s00431-014-2447-7.

19. Bizzarri C, Benevento D, Giannone G, Bongiovanni M, Anziano M, Patera IP, Cappa M, Cianfarani S. Sexual dimorphism in growth and insulin-like growth factor-I in children with type 1 diabetes mellitus. *Growth Horm IGF Res*. 2014 Dec;24(6):256-9. doi: 10.1016/j.ghir.2014.08.004.

20. Bizzarri C, Bottaro G, Pinto RM, Cappa M. Metabolic syndrome and diabetes mellitus in childhood cancer survivors. *Pediatr Endocrinol Rev*. 2014 Jun;11(4):365-73.

21. Zucchini S, Iafusco D, Vannelli S, Rabbone I, Salzano G, Pozzobon G, Maghnie M, Cherubini V, Bizzarri C, Bonfanti R, D'Annunzio G, Lenzi L, Maggio MC, Marigliano M, Scaramuzza A, Tumini S, Iughetti L. Combined therapy with insulin and growth hormone in 17 patients with type-1 diabetes and growth disorders. *Horm Res Paediatr*. 2014;82(1):53-8. doi: 10.1159/000360856.

22. Knip M, Åkerblom HK, Becker D, Dosch HM, Dupre J, Fraser W, Howard N, Ilonen J, Krischer JP, Kordonouri O, Lawson ML, Palmer JP, Savilahti E, Vaarala O, Virtanen SM; TRIGR Study Group.. Hydrolyzed infant formula and early β -cell autoimmunity: a randomized clinical trial. *JAMA*. 2014 Jun 11;311(22):2279-87. doi: 10.1001/jama.2014.5610.

23. Bizzarri C, Montemitro E, Pedicelli S, Ciccone S, Majo F, Cappa M, Lucidi V. Glucose tolerance affects pubertal growth and final height of children with cystic fibrosis. *Pediatr Pulmonol*. 2015 Feb;50(2):144-9. doi: 10.1002/ppul.23042.

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25. Diamanti A, Capriati T, Bizzarri C, Panetta F, Ferretti F, Ancinelli M, Romano F, Locatelli M. Celiac disease and endocrine autoimmune disorders in children: an update. *Expert Rev Clin Immunol*. 2013 Dec;9(12):1289-301. doi: 10.1586/1744666X.2013.850029.

26. Scaramuzza A, Cherubini V, Tumini S, Bonfanti R, Buono P, Cardella F, d'Annunzio G, Frongia AP, Lombardo F, Monciotti AC, Rabbone I, Schiaffini R, Toni S, Zucchini S, Frontino G, Iafusco D; Diabetes Study Group of the Italian Society for Pediatric Endocrinology and Diabetology.. Recommendations for self-monitoring in pediatric diabetes: a consensus statement by the ISPED. *Acta Diabetol*. 2014 Apr;51(2):173-84. doi: 10.1007/s00592-013-0521-7.

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28. Bizzarri C, Benevento D, Terzi C, Huebner A, Cappa M. Triple A (Allgrove) syndrome: an unusual association with syringomyelia. *Ital J Pediatr*. 2013 Jun 24;39:39. doi: 10.1186/1824-7288-39-39.

29. Bizzarri C, Giannone G, Benevento D, Montemitro E, Alghisi F, Cappa M, Lucidi V. ZnT8 antibodies in patients with cystic fibrosis: an expression of secondary beta-cell damage? *J Cyst Fibros*. 2013 Dec;12(6):803-5. doi: 10.1016/j.jcf.2013.03.001.

30. Napoli N, Strollo R, Pitocco D, Bizzarri C, Maddaloni E, Maggi D, Manfrini S, Schwartz A, Pozzilli P; IMDIAB Group.. Effect of calcitriol on bone turnover and osteocalcin in recent-onset type 1 diabetes. *PLoS One*. 2013;8(2):e56488. doi: 10.1371/journal.pone.0056488.
31. Bizzarri C, Crea F, Marini R, Benevento D, Porzio O, Ravà L, Cappa M. Clinical features suggestive of non-classical 21-hydroxylase deficiency in children presenting with precocious pubarche. *J Pediatr Endocrinol Metab*. 2012;25(11-12):1059-64. doi: 10.1515/jpem-2012-0241.
32. Benevento D, Bizzarri C, Patera IP, Ravà L, Schiaffini R, Ciampalini P, Cianfarani S, Cappa M. Birth weight influences the clinical phenotype and the metabolic control of patients with type 1 diabetes (T1D). *Diabetes Metab Res Rev*. 2013 Jan;29(1):60-5. doi: 10.1002/dmrr.2361.
33. Fierabracci A, Bizzarri C, Palma A, Milillo A, Bellacchio E, Cappa M. A novel heterozygous mutation of the AIRE gene in a patient with autoimmune polyendocrinopathy-candidiasis-ectodermal dystrophy syndrome (APECED). *Gene*. 2012 Dec 10;511(1):113-7. doi: 10.1016/j.gene.2012.09.029.
34. Cirillo G, Marini R, Ito S, Wakamatsu K, Scianguetta S, Bizzarri C, Romano A, Grandone A, Perrone L, Cappa M, Miraglia Del Giudice E. Lack of red hair phenotype in a North-African obese child homozygous for a novel POMC null mutation: nonsense-mediated decay RNA evaluation and hair pigment chemical analysis. *Br J Dermatol*. 2012 Dec;167(6):1393-5. doi: 10.1111/j.1365-2133.2012.11060.x.
35. Taranta A, Bizzarri C, Masotti A, Sciré G, Pampanini V, Cappa M. A case of primary selective hypoaldosteronism carrying three mutations in the aldosterone synthase (Cyp11b2) gene. *Gene*. 2012 May 25;500(1):22-7. doi: 10.1016/j.gene.2012.02.052.
36. Verrillo E, Bizzarri C, Bruni O, Ferri R, Pavone M, Cappa M, Cutrera R. Effects of replacement therapy on sleep architecture in children with growth hormone deficiency. *Sleep Med*. 2012 May;13(5):496-502. doi: 10.1016/j.sleep.2011.09.018.
37. Bizzarri C, Pinto RM, Pitocco D, Astorri E, Cappa M, Hawa M, Giannone G, Palermo A, Maddaloni E, Leslie DR, Pozzilli P; IMDIAB Group.. Diabetes-related autoantibodies in children with acute lymphoblastic leukemia. *Diabetes Care*. 2012 Mar;35(3):e23. doi: 10.2337/dc11-1946.
38. Nucci AM, Becker DJ, Virtanen SM, Cuthbertson D, Softness B, Huot C, Wasikowa R, Dosch HM, Akerblom HK, Knip M; TRIGR Study Group.. Growth differences between North American and European children at risk for type 1 diabetes. *Pediatr Diabetes*. 2012 Aug;13(5):425-31. doi: 10.1111/j.1399-5448.2011.00840.x.
39. Cappa M, Bizzarri C, Petroni A, Carta G, Cordeddu L, Valeriani M, Vollono C, De Pasquale L, Blasevich M, Banni S. A mixture of oleic, erucic and conjugated linoleic acids modulates cerebrospinal fluid inflammatory markers and improve somatosensorial evoked potential in X-linked adrenoleukodystrophy female carriers. *J Inher Metab Dis*. 2012 Sep;35(5):899-907. doi: 10.1007/s10545-011-9432-3.
40. Ramondetti F, Sacco S, Comelli M, Bruno G, Falorni A, Iannilli A, d'Annunzio G, Iafusco D, Songini M, Toni S, Cherubini V, Carle F; RIDI Study Group.. Type 1 diabetes and measles, mumps and rubella childhood infections within the Italian Insulin-dependent Diabetes Registry. *Diabet Med*. 2012 Jun;29(6):761-6. doi: 10.1111/j.1464-5491.2011.03529.x.
41. Bizzarri C, Benevento D, Ravà L, Patera IP, Schiaffini R, Ciampalini P, Giannone G, Cappa M. Ovarian hyperandrogenism in adolescents and young women with type 1 diabetes is primarily related to birth weight and body mass index. *Fertil Steril*. 2011 Dec;96(6):1497-1502.e1. doi: 10.1016/j.fertnstert.2011.09.023.
42. Iafusco D, Massa O, Pasquino B, Colombo C, Iughetti L, Bizzarri C, Mammi C, Lo Presti D, Suprani T, Schiaffini R, Nichols CG, Russo L, Grasso V, Meschi F, Bonfanti R, Brescianini S, Barbetti F; Early Diabetes Study Group of ISPED.. Minimal incidence of neonatal/infancy onset diabetes in Italy is 1:90,000 live births. *Acta Diabetol*. 2012 Oct;49(5):405-8. doi: 10.1007/s00592-011-0331-8.
43. Iafusco D, Bizzarri C, Cadario F, Pesavento R, Tonini G, Tumini S, Cauvin V, Colombo C, Bonfanti R, Barbetti F. No beta cell desensitisation after a median of 68 months on glibenclamide therapy in patients with KCNJ11-associated permanent

neonatal diabetes. *Diabetologia*. 2011 Oct;54(10):2736-8. doi: 10.1007/s00125-011-2273-7.

44. Di Stasio E, Maggi D, Berardesca E, Marulli GC, Bizzarri C, Lauria A, Portuesi R, Cavallo MG, Costantino F, Buzzetti R, Astorri E, Pitocco D, Songini M, Pozzilli P; IMDIAB Group.. Blue eyes as a risk factor for type 1 diabetes. *Diabetes Metab Res Rev*. 2011 Sep;27(6):609-13. doi: 10.1002/dmrr.1214.

45. Russo L, Iafusco D, Brescianini S, Nocerino V, Bizzarri C, Toni S, Cerutti F, Monciotti C, Pesavento R, Iughetti L, Bernardini L, Bonfanti R, Gargantini L, Vanelli M, Aguilar-Bryan L, Stazi MA, Grasso V, Colombo C, Barbetti F; ISPED Early Diabetes Study Group.. Permanent diabetes during the first year of life: multiple gene screening in 54 patients. *Diabetologia*. 2011 Jul;54(7):1693-701. doi: 10.1007/s00125-011-2094-8.

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47. Cappa M, Bizzarri C, Giannone G, Aiello C, Di Biase A. Is subclinical adrenal failure in adrenoleukodystrophy/adrenomyeloneuropathy reversible? *J Endocrinol Invest*. 2011 Nov;34(10):753-6. doi: 10.3275/7570.

48. Bizzarri C, Cervoni M, Crea F, Cutrera R, Schiavino A, Schiaffini R, Cappa M. Dumping syndrome: an unusual cause of severe hyperinsulinemic hypoglycemia in neurologically impaired children with gastrostomy. *Minerva Pediatr*. 2011 Feb;63(1):67-71.

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50. Cappa M, Bizzarri C, Crea F. Autoimmune thyroid diseases in children. *J Thyroid Res*. 2010 Dec 14;2011:675703. doi: 10.4061/2011/675703.

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53. Bizzarri C, Pitocco D, Napoli N, Di Stasio E, Maggi D, Manfrini S, Suraci C, Cavallo MG, Cappa M, Ghirlanda G, Pozzilli P; IMDIAB Group.. No protective effect of calcitriol on beta-cell function in recent-onset type 1 diabetes: the IMDIAB XIII trial. *Diabetes Care*. 2010 Sep;33(9):1962-3. doi: 10.2337/dc10-0814.

54. Bruno G, Maule M, Merletti F, Novelli G, Falorni A, Iannilli A, Iughetti L, Altobelli E, d'Annunzio G, Piffer S, Pozzilli P, Iafusco D, Songini M, Roncarolo F, Toni S, Carle F, Cherubini V; RIDI Study Group.. Age-period-cohort analysis of 1990-2003 incidence time trends of childhood diabetes in Italy: the RIDI study. *Diabetes*. 2010 Sep;59(9):2281-7. doi: 10.2337/db10-0151.

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57. Ubertini G, Bizzarri C, Grossi A, Gimigliano F, Ravà L, Fintini D, Cappa M. Blood Pressure and Left Ventricular Characteristics in Young Patients with Classical Congenital Adrenal Hyperplasia due to 21-Hydroxylase Deficiency. *Int J Pediatr Endocrinol*. 2009;2009:383610. doi: 10.1155/2009/383610.

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Signature

A handwritten signature in black ink, appearing to read 'Carla Bizzarri', is written within a rectangular box.