UNIVERSITÀ DEGLI STUDI DELL'AQUILA

DISCAB
Dipartimento di Scienze Cliniche Applicate e Biotecnologiche

MAURIZIO DELVECCHIO CURRICULUM VITAE

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PERSONAL INFORMATION	Maurizio Delvecchio Department of Applied Clinical Sciences and Biotechnologies Vetoio Street L'Aquila, 67100, Italy maurizio.delvecchio1@univaq.it

CURRENT POSITION	Associate professor; SSD: MED/38 – General and Specialized Pediatrics

EDUCATION OTHER QUALIFICATIONS	✓ September 26th, 2000: Degree in Medicine achieved at the School of Medicine of University of Bari "Aldo Moro", Italy, with final mark or 110/110 cum laude. Thesis in Paediatrics: "Longitudinal evaluation of β-pancreatic function in Acute Lymphoblastic Leukaemia in childhood"; ✓ 2000-2001: Post-graduate course in "Perinatal pathology: anatomic and clinical relationship", Department of Pathological Anatomy and Genetics in Bari, Italy, with full final marks ✓ June 2nd-9th 2002: Clinical fellow at the Pediatric Endocrinology and Diabetology Unit of the University "Life and Health" in Milan, Italy; ✓ October 18th, 2005: specialist doctor in Pediatrics (MD Paediatrics), University of Bari "Aldo Moro", Italy. Thesis: "Transitory – recurrent neonatal diabetes in an infant carrying a R201H/KCNJ11 mutation", with final mark or 110/110 cum laude (5-year course law n. 257/91); ✓ 2008: Post degree in "Pediatric Endocrinology and Diabetology", ISPED Post degree national school; ✓ 2009: PhD degree in "Pediatrics Sciences", 21st course, achieved after discussing the thesis "Molecular study of endocrine disorders in childhood and adolescence"; ✓ Academic year 2009/2010: 2nd level MSc Degree "Management of diabetes and of related-diabetes metabolic disorders" by University of Verona. **INTERNATIONAL COURSE AND FELLOWSHIP** ✓ 18a Summer School of European Society for Pediatric Endocrinology (ESPE), Bad Ramsach, Switzerland, September 6th-10th, 2004; ✓ Clinical Fellow at Royal Hospital for Sick Children, Edinburgh, and Child Life and Health, Department of Reproductive and Developmental Sciences, Edinburgh University, April 24th - October 21st, 2006; ✓ May 21st-25th, 2007: 17th Advanced Postgraduate Course on Growth and Growth Disorders, Karolinska Institute, Stockholm; ✓ September 19th-21st, 2010: 24th ESPE Summer School, Sychrov, Czech Republic; ✓ April 19th-24th, 2015: Research School for Physicians of International Society for Pediatric and Adolescent Diabetes (ISPAD), Milan.

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ACADEMIC APPOINTMENTS	✓ Teacher of integrative course of "General and Specialized Pediatrics" at School of Pediatrics, at University of Bari "Aldo Moro", academic years 2005/2006 and 2006/2007; ✓ Teacher of "First Aid and Injury prevention" (10 hours) in the course "Primary Infancy Educator" by Csea Med Puglia (POR050314c0205); ✓ Tutor of residents in Pediatrics at Pediatrics School of University of Bari "Aldo Moro".

CLINIC APPOINTMENTS	✓ November 18th, 2006 – October 31st, 2008: "B. Trambusti" Unit, Policlinico - Giovanni 23th Hospital, Bari, for the purpose of PhD thesis; ✓ February 1st, 2009 – February 20th, 2009: Physician, Pediatrics Unit "G. Tatarella" Hospital, Cerignola (FG); ✓ March 1st, 2009 – January 31st, 2014: Physician, Pediatrics Unit "Casa Sollievo della Sofferenza" Research Institute, San Giovanni Rotondo (FG); ✓ February 15th, 2014 – June 30th, 2014: Physician, Pediatrics Unit "Casa Sollievo della Sofferenza" Research Institute, San Giovanni Rotondo (FG); ✓ July 1st, 2014 – July 15th, 2017: Physician, "B. Trambusti" Pediatrics Unit Policlinico Giovanni 22thI Hospital, Bari, for the purpose of the Regional Project "Neonatal Screening programme for inherited metabolic disorders and obligatory screening" (DGR 1389, July 10th, 2012); ✓ July 16th, 2017 – April 30th, 2019: Physician, Pediatrics and Neonatology Unit, "Madonna delle Grazie" Hospital, Matera; ✓ May 1st 2019 – September 30th 2023: Physician, "Metabolic Disorders and Genetics Unit Giovanni 22thI Children's Hospital, Bari; ✓ March 10th, 2021 - December 31st, 2022: vice-head of the Clinic.

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TEACHING EXPERIENCE	✓ Teacher of "Injuries prevention at Educational Facilities" (10 hours) in the course "Quality of Educational Service for Infants" by Csea Med Puglia (POR07039a0008); ✓ Teacher of "Childcare and Hygiene" (20 hours) in the course "Primary Infancy Educator" by Csea Med Puglia (POR050314c0205); ✓ Teacher of "First Aid and Injury prevention" (10 hours) in the course "Primary Infancy Educator" by Csea Med Puglia (POR050314c0205); ✓ Teacher of "Specialized and General Pediatrics", 2nd year Course for the Red Cross students, academic year 2016, 2017 and 2018; ✓ Teacher of "Pediatric Diabetology", "Auxo-endocrinology and Pediatric Diabetes – Pediatric Endocrinology and Diabetes" Master, by Florence University, Academic Years 2017/2018, July 1st, 208 – April 30th, 2020; ✓ 2019-2021: Member of the Council of the Post Degree ISPED School on Pediatric Endocrinology and Diabetology;

RESEARCH ACTIVITIES	Main field of research: diabetes mellitus, with a special interest for the rare forms of diabetes mellitus ✓ Sponsor and Principal Investigator of the multicentre national independent study "Final height in Italian growth hormone deficient children treated with human recombinant growth hormone: transversal multicentre study". The study was run on behalf of the ISPED Study Group on Physiopathology of growth processes; ✓ Sponsor and Principal Investigator of the national independent multicentre study "Monogenic Diabetes Accounts for 6.3% of Cases Referred to 15 Italian Pediatric Diabetes Centers During 2007 to 2012". The project was run on behalf of the ISPED Study group; ✓ Principal Investigator for the Bari clinical centre, Metabolic and Genetic Disorders Unit, for the national study "Registry for Scientific and Clinical Research on Prader-Willi syndrome" sponsored by the National Institute for Health. The registry collects data about patients with Prader-Willi syndrome from all the Italian Centres; ✓ Sponsor and Principal Investigator of the national independent multicentre study "Observational study on recombinant human growth hormone therapy in Prader-Willi patients". The study was run on behalf of the ISPED Genetic Obesity Study group; ✓ Sponsor and Principal Investigator of the national independent multicentre study "EEG Patterns in Patients with Prader-Willi Syndrome". The study was run on behalf of the ISPED Genetic Obesity Study group from may 17th, 2017 to January 4th, 2021; ✓ Sponsor and Principal Investigator of the national independent multicentre study "Circulating Inhibitory Factor 1 levels in adult patients with Prader-Willi syndrome" in the project "Analysis of IF1 levels in acquired metabolic disorders: potential role of new biomarkers and therapeutic targets (HyDOIF-OB)", which has been granted by the

	"Independent Research fund" of Bari University Hospital. The study was run on behalf of ISPED Genetic Obesity Study group from January 1st, 2020 to February 18th, 2021; ✓ Principal investigator San Giovanni Rotondo centre for the multicentre national study "Severe hypoglycemia and ketoacidosis over one year in Italian pediatric population with type 1 diabetes mellitus: a multicentre retrospective observational study – SHIP-D study", sponsored by Mario Negri Sud trust; ✓ Sub-investigator at San Giovanni Rotondo site for the study "Observational Study – The Genetic and Neuroendocrinology of Short Stature International Study" from January 1st, 2011 to June 6th, 2014 ✓ Sub-investigator for San Giovanni Rotondo site for the study "EasypodTM connect observational study Investigator meeting", independent multicentre study, from march 15th, 2012 to march 15th, 2014. ✓ Principal Investigator at San Giovanni Rotondo clinical centre of the study "Phase III clinical study, multicentre, randomized, double blinded, controlled with placebo to evaluate safety and efficacy of MK0431A XR in pediatric patients with poorly controlled type 2 diabetes treated with metformin", from June 6th, 2013 to June 30th, 2014 (https://www.clinicaltrialsregister.eu/ctr-search/trial/2012-004035-23/IT; DOI: doi.org/10.1111/pedi.13282). ✓ Principal Investigator at San Giovanni Rotondo clinical centre of the study "Phase III clinical study, multicentre, randomized, double blinded, controlled with placebo and metformin to evaluate efficacy and safety of Sitagliptin in pediatric patients with poorly controlled type 2 diabetes", from November 11th, 2013 to June 30th, 2014, study ID MK-0431-083 (https://clinicaltrials.gov/ct2/show/NCT01485614; DOI: 10.1111/pedi.13279) ✓ Coinvestigator of the national multicentre study "Programme of regular monitoring and continuous improvement of clinical care quality in pediatrics" sponsored by Isped Card association. ✓ Sponsor and Principal Investigator of the national independent multicentre study "Retrospective analysis of 24-month real-world glucose control for children and adolescents with type 1 diabetes using the MiniMed 670G pump". The study was run on behalf of the ISPED Diabetes Study Group from April 27th, 2022 to august 14th, 2022. ✓ Principal Investigator at San Giovanni Rotondo clinical centre of the study "Multicentre prospective cluster randomized open–label, parallel-group study on treatment with biphasic insulin BIAsp70/30 and short-acting insulin or rapid-acting analogue plus glargine in comparison with short-acting insulin or rapid-acting analogue plus glargine to evaluate the metabolic control and quality of life in children and adolescents with type 1 diabetes mellitus over 12 months". Multicentre national study funded by AIFA grant for independent research; the study was promoted by prof. Giuseppe D'Annunzio, Giannina Gaslini Research

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	Institute from July 1st, 2013 to June 30th, 2014; ✓ Principal investigator for Italy for the independent study "Assay of growth factors in children with Prader-Willi syndrome treated with recombinant human growth hormone: longitudinal study". This study is a sub-study of the study "Study of newly identified factors of the GH/IGF system in human pathology, analysis of the mechanisms involved: Diagnostic and therapeutic implications" granted the Spanish government (Instituto de Salud Carlos III. Madrid, Spain; project number PI19/00166). The study was approved by the Ethics Committee of Bari on September 29th, 2020 (decides n. 0830, June 26th, 2020 by General Direction of Bari Hospital); ✓ Head of the Unit 2 of the Project "Towards a personalized precision medicine in rare disease: tirzepatide (a dual glucose-dependent insulinotropic polypeptide and glucagon-like peptide-1 receptor agonist) monotherapy in patients with Wolfram syndrome type 1" (Project Code PNRR-MR1-2022-12375914) funded by the recovery and Resilience Plan, Mission: M6/part: C2, fund: 2.1 utilization and optimization of national health system biomedical research, funded by European Community, – NextGenerationEU on October 28th, 2022.

RESPONSIBILITY IN ACADEMIC ACTIVITIES	✓ Teacher assistant in Pediatrics, University sector MED/38 – General and Specialized Pediatrics May 14th, 2007; ✓ Member of the ISPED Committee for Young doctors, 2011-2013; ✓ Secretariat of the ISPED Genetic Obesity Study Group, 2013-2015; ✓ Previous member of the Scientific Committee of the Italian Prader-Willi Federation; ✓ 2016: Member of the ISPED Working group on Italian Diabetes Registry; ✓ Member of the Council of the ISSPP – Apulia section; ✓ August 3rd, 2017 - September 30th, 2019: member of the Regional Committee to evaluate appropriateness of Growth Hormone prescription in Basilicata (prot. n. 2017-0054506, July 27th, 2017); ✓ 2017-2019: ISPED regional secretariat for Pediatric Diabetology in Basilicata; ✓ 2017-2019: ISPED regional secretariat for Pediatric Endocrinology in Basilicata; ✓ 2016-2019: Contact person for the school project on iodine supplementation, sponsored by Italian Department for University and Research, National Health Institute, Italian Thyroid Association, Endocrinologists Association, Italian Society for Endocrinology, ISPED and CAPE; ✓ 2019-2021: secretariat of the ISPED Study Group on Physiology of Growth; ✓ Member of the Working Group on the Monogenic Diabetes Consensus of the Italian Society of Diabetology.

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EDITORIAL BOARD, EDITORIAL ACTIVITIES, SOCIETY MEMBERSHIP	➢ Member of the Editorial Board of "Diabetes Therapy" since November 15th, 2022; ➢ Associate Editor of "Frontiers in Endocrinology"; ➢ Topic Editor of "International Journal of Molecular Sciences" ➢ Member of the Advisory Board of "Acta Diabetologica" ➢ Guest Associate Editor of "Frontiers in Endocrinology" and of "Frontiers in Clinical Diabetes and Healthcare" ➢ Review Editor of "Frontiers in Clinical Diabetes and Healthcare" ➢ Topic Editor of the "Frontiers in Endocrinology" and of "Frontiers in Clinical Diabetes and Healthcare" ➢ Guest Editor of "International Journal of Molecular Sciences", "Healthcare", and "International Journal of Environmental Research and Public Health" ➢ Guest Editor of "Genes", "Children", and "Nutrients" ➢ Member of the Editorial Board of "Global Translational Medicine" Associate Editor of "Explora Pediatrics" ➢ Member of the "International Journal of Environmental Research and Public Health" ➢ Member of the Editorial Board of "Academia Medicine" **Member of:** Italian Society of Pediatrics (ISP), Italian Society for Pediatric Endocrinology and Diabetology (ISPED), International Society for Pediatric and Adolescent Diabetes (ISPAD). Previously: European Society for Pediatric Endocrinology (ESPE), Italian Society of Social and Preventive Pediatrics (ISSPP), young member of Italian Society of Research in Pediatrics (ISRP).

SCIENTIFIC ACHIEVEMENTS BIBLIOMETRIC INDICATORS	**Scopus Author ID:** https://orcid.org/0000-0002-1528-0012 Hirsch (H) Index: 31 i10-Hirsch (H): 21 normalized Index 31 total number of quotes 2387 median number of quotes by article 17.7

SELECTED PUBLICATIONS	1. Colombo C, Delvecchio M, Zecchino C, Faienza MF, Cavallo L, Barbetti F; Early Onset Diabetes Study Group of the Italian Society of Paediatric Endocrinology and Diabetology. Transient neonatal diabetes mellitus is associated with a recurrent (R201H) KCNJ11 (KIR6.2) mutation. Diabetologia. 2005;48(11):2439-41. 2. Cavallo L, De Sanctis V, Cisternino M, Caruso Nicoletti M, Galati MC, Acquafredda A, Zecchino C, Delvecchio M. Final height in short polytransfused thalassemia major patients treated with recombinant growth hormone. J Endocrinol Invest 2005;28(4):363-6. 3. Delvecchio M, Faienza MF, Acquafredda A, Zecchino C, Peruzzi S,

Cavallo L. Longitudinal assessment of levo-thyroxine therapy for congenital hypothyroidism: relationship with aetiology, bone maturation and biochemical features. Horm Res 2007;68(3):105-12.
4. Delvecchio M, Zecchino C, Salzano G, Faienza MF, Cavallo L, De Luca F, Lombardo F. Effects of moderate-severe exercise on blood glucose in Type 1 diabetic adolescents treated with insulin pump or glargine insulin. J Endocrinol Invest 2009;32(6):519-24.
5. Delvecchio M, De Bellis A, De Mattia D, Cavallo L, Martire B. Growth hormone deficiency and antipituitary antibodies in a patient with common variable immunodeficiency. J Endocrinol Invest 2009;32(8):637-40.
6. Delvecchio M, Zecchino C, Faienza MF, Acquafredda A, Barbetti F, Cavallo L. Sulfonylurea treatment in a girl with neonatal diabetes (KCNJ11 R201H) and celiac disease: impact of low compliance to the gluten free diet. Diabetes Res Clin Pract 2009;84(3):332-4.
7. Delvecchio M, De Bellis A, Francavilla R, Rutigliano V, Predieri B, Indrio F, De Venuto D, Sinisi AA, Bizzarro A, Bellastella A, Iughetti L, Cavallo L; Italian Autoimmune Hypophysitis Network Study. Anti-pituitary antibodies in children with newly diagnosed celiac disease: a novel finding contributing to linear-growth impairment. Am J Gastroenterol. 2010;105(3):691-6.
8. Delvecchio M, Cavallo L. Growth and endocrine function in thalassemia major in childhood and adolescence. J Endocrinol Invest 2010;33(1):61-8.
9. Delvecchio M, Cecinati V, Brescia LP, Faienza MF, De Mattia D, Cavallo L, Santoro N. Thyroid function and thyroid autoimmunity in childhood acute lymphoblastic leukemia off-therapy patients treated only with chemotherapy. J Endocrinol Invest 2010;33(3):135-9.
10. Delvecchio M, Ludovico O, Bellacchio E, Stallone R, Palladino T, Mastroianno S, Zelante L, Sacco M, Trischitta V, Carella M. MODY type 2 P59S GCK mutant: founder effect in South of Italy. Clin Genet 2013;83(1):83-7.
11. Mozzillo E, Delvecchio M, Carella M, Grandone E, Palumbo P, Salina A, Aloi C, Buono P, Izzo A, D'Annunzio G, Vecchione G, Orrico A, Genesio R, Simonelli F, Franzese A. A novel CISD2 intragenic deletion, optic neuropathy and platelet aggregation defect in Wolfram syndrome type 2. BMC Med Genet 2014;15:88.
12. Delvecchio M, Ludovico O, Menzaghi C, Di Paola R, Zelante L, Marucci A, Grasso V, Trischitta V, Carella M, Barbetti F. Low prevalence of HNF1A mutations after molecular screening of multiple MODY genes in 58 Italian families recruited in the pediatric or adult diabetes clinic from a single Italian hospital. Diabetes Care 2014;37(12):e258-60.
13. Delvecchio M, Faienza MF, Lonero A, Rutigliano V, Francavilla R, Cavallo L. Prolactin may be increased in newly diagnosed celiac children and adolescents and decreases after 6 months of gluten-free

diet. Horm Res Paediatr 2014;81(5):309-13.
14. Delvecchio M, Di Paola R, Mangiacotti D, Sacco M, Menzaghi C, Trischitta V. Clinical heterogeneity of abnormal glucose homeostasis associated with the HNF4A R311H mutation. Ital J Pediatr 2014;40:58.
15. Delvecchio M, Vigone MC, Wasniewska M, Weber G, Lapolla R, Popolo PP, Tronconi GM, Di Mase R, De Luca F, Cavallo L, Salerno M, Faienza MF. Final height in Italian patients with congenital hypothyroidism detected by neonatal screening: a 20-year observational study. Ital J Pediatr 2015;41:82
16. Delvecchio M, Salerno M, Vigone MC, Wasniewska M, Popolo PP, Lapolla R, Mussa A, Tronconi GM, D'Acunzo I, Di Mase R, Falcone RM, Corrias A, De Luca F, Weber G, Cavallo L, Faienza MF. Levothyroxine requirement in congenital hypothyroidism: a 12-year longitudinal study. Endocrine 2015;50:674-80
17. Delvecchio M, Soldano L, Lonero A, Ventura A, Giordano P, Cavallo L, Grano M, Brunetti G, Faienza MF. Evaluation of impact of steroid replacement treatment on bone health in children with 21-hydroxylase deficiency. Endocrine. 2015;48(3):995-1000. doi: 10.1007/s12020-014-0332-9.
18. Martire B, Panza R, Pillon M, Delvecchio M. CHARGE Syndrome and Common Variable Immunodeficiency: a case report and review of literature. Pediatr Allergy Immunol 2016;27:539–53
19. Delvecchio M, Mozzillo E, Salzano G, Iafusco D, Frontino G, Patera PI, Rabbone I, Cherubini V, Grasso V, Tinto N, Giglio S, Contreas G, Di Paola R, Salina A, Cauvin V, Tumini S, d'Annunzio G, Iughetti L, Mantovani V, Maltoni G, Toni S, Marigliano M, Barbetti F, and the Diabetes Study Group of the Italian Society of Pediatric Endocrinology and Diabetes (ISPED). Monogenic Diabetes accounts for 6.3% of cases referred to 15 Italian pediatric diabetes Centers during 2007-2012. J Clin Endocrinol Metab 2017;102(6):1826-34
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L'AQUILA, OCTOBER 4TH 2023