

Valentino Cherubini, MD
Curriculum Vitae



Nationality Italian
Tax code CHRVNT58A06E388Z

Current Position

Head of Unit, SOD Paediatric Diabetology January 2011-today
Department of Women's and Children's Health
"G. Salesi Hospital", AOU OORR Ancona
Via F. Corridoni, 11
60123 Ancona, Italy

Contract Professor 1999-2012
University of Ancona, Clinic of Pediatrics 2014-today
"G. Salesi Hospital", AOU OORR Ancona
Via Corridoni, 11
60123 Ancona, Italy

Medical Licence no. 3420, Ordine dei Medici di Ancona, Italy 1985-today

Education, Training & Qualification

Medical Degree, University of Ancona, Italy 1984
Specialist in Pediatrics, University of Ancona, Italy 1988 (with merit)
Visiting Student, Dep of Epidemiology, 1991 (3 months) and
University of Pittsburgh, PA, USA 1993 (2 months)
Specialist in Endocrinology, University of Ancona, Italy 1993
Visiting Student, National Public Health Institute, Helsinki, Finland 1998 (2 months)
National Scientific Qualification (ASN) Associate Professor Nov 2018 - Nov 20124

Previous Appointments

Responsible SOS Unit of Pediatric Endocrinology, 1999-2010
Clinic of Pediatrics, University of Ancona, Italy
Medical Assistant, Clinic of Pediatrics, University of Ancona 1995-1999
Medical Assistant, Hospital of Recanati (MC), Italy 1992-1995
Medical Registrar, Hospital of Recanati (MC), Italy 1990-1991

Positions held

Advisory Council Member of ISPAD (International Society for 2016-2019
Pediatric and Adolescent Diabetes)
Member of SWEET (Better control in Pediatric and Adolescent 2015-today
diabetes: Working to create CEnters of Reference) DPPC (Data
Publication and Presentation Committee)
Coordinator of Study Group for Diabetes of ISPED (Italian Society 2009-2011
of Pediatric Endocrinology and Diabetes)

Professional Membership

Italian Society of Pediatric Endocrinology and Diabetes
Italian Society of Pediatrics
International Society for Pediatric and Adolescent Diabetes
European Diabetes Epidemiology Group

Reviewed manuscripts for the following journals

Acta Diabetologica
Diabetes Care
Diabetes, Obesity and Metabolism
Diabetic Medicine
Diabetologia
European Journal of Endocrinology
Frontiers in Endocrinology
Italian Journal of Pediatrics
Journal of Diabetes Research
Journal of Endocrinology Investigation
Journal of Pediatric Endocrinology and Metabolism
Pediatric Diabetes

Editorial Roles

Frontiers Endocrinology, Associate Editor 2017-today
Journal of Diabetes Research, Associate Editor 2019-today

Peer-Reviewed Research Support

TELETHON – Multicentre Project E.C797 (P.I. Alberto Falorni):
IMMUNOPREVENTION OF HUMAN INSULIN-DEPENDENT
DIABETES MELLITUS BY ORAL INSULIN TOLERISATION 13-07-1998 - 12-07-2000
TELETHON – Multicentre Project E.0946 (P.I. Fabrizio Barbetti):
MATURITYONSET DIABETES OF THE YOUNG (MODY) IN ITALY:
GENOTYPE-PHENOTYPECORRELATIONS AND SEARCH FOR NEW
MODY GENES 19-07-1999 - 18-07-2001
AIFA – cod. FARM8MR2J7. Multicentre RCT on treatment with
biphasic insulin BIAsp70/30 and short-acting insulin plus glargine 22-11-2010 - 25-03-2015
in youth with T1D

Industry Sponsored Studies

Sponsor	Agent	Design	Performance date
NovoNordisk	Fast-aspart insulin	RCT in youth T1D	October 2016
Astrazeneca	Dapaglifozin or Saxagliptin	RCT in youth T2D	October 2017
Eli Lilly	Lispro	RCT in youth T1D	March 2019

Current research interest

Epidemiology of diabetes, DKA prevention, Technology Treatment of diabetes, Health-Related Quality of Life in youth with diabetes, Growth disorders.

List of Publications (2016-today)

- 1 Sumnik Z, Szypowska A, Iotova V, Bratina N, Cherubini V, Forsander G, Jali S, Raposo JF, Stipančić G, Vazeou A, Veeze H, Lange K; SWEET study group. Persistent heterogeneity in diabetes technology reimbursement for children with Type 1 Diabetes: The SWEET perspective. *Pediatr Diabetes*. 2019 Feb 17. doi: 10.1111/pedi.12833.
- 2 Ma S, Viola R, Sui L, Cherubini V, Barbetti F, Egli D. β Cell Replacement after Gene Editing of a Neonatal Diabetes-Causing Mutation at the Insulin Locus. *Stem Cell Reports*. 2018 Dec 11;11(6):1407-1415. doi: 10.1016/j.stemcr.2018.11.006.
- 3 Patterson CC, Harjutsalo V, Rosenbauer J, Neu A, Cinek O, Skrivarhaug T, Rami-Merhar B, Soltesz G, Svensson J, Parslow RC, Castell C, Schoenle EJ, Bingley PJ, Dahlquist G, Jarosz-Chobot PK, Marčiulionytė D, Roche EF, Rothe U, Bratina N, Ionescu-Tirgoviste C, Weets I, Kocova M, Cherubini V, Rojnic Putarek N, deBeaufort CE, Samardzic M, Green A. Trends and cyclical variation in the incidence of childhood type 1 diabetes in 26 European centres in the 25 year period 1989-2013: a multicentre prospective registration study. *Diabetologia*. 2018 Nov 28. doi: 10.1007/s00125-018-4763-3.
- 4 Cherubini V, Gesuita R, Skrami E, Rabbone I, Bonfanti R, Arnaldi C, D'Annunzio G, Frongia A, Lombardo F, Piccinno E, Schiaffini R, Toni S, Tumini S, Tinti D, Cipriano P, Minuto N, Lenzi L, Ferrito L, Ventrice C, Ortolani F, Cohen O, Scaramuzza A. Optimal Predictive Low Glucose Management (PLGM) settings during physical exercise in adolescents with type 1 diabetes. *Pediatr Diabetes*. 2018 Oct 31. doi: 10.1111/pedi.12792.
- 5 Svensson J, Schwandt A, Pacaud D, Beltrand J, Birkebaek NH, Cardona-Hernandez R, Casteels K, Castro S, Cherubini V, Cody D, Fisch N, Hasnani D, Kordonouri O, Kosteria I, Luczay A, Pundziute-Lyckå A, Maffei C, Piccini B, Luxmi P, Sumnik Z, de Beaufort C. The influence of treatment, age at onset, and metabolic control on height in children and adolescents with type 1 diabetes-A SWEET collaborative study. *Pediatr Diabetes*. 2018 Dec;19(8):1441-1450. doi: 10.1111/pedi.12751. Epub 2018 Oct 10.
- 6 Maffei C, Birkebaek NH, Konstantinova M, Schwandt A, Vazeou A, Casteels K, Jali S, Limbert C, Pundziute-Lycka A, Toth-Heyn P, de Beaufort C, Sumnik Z, Cherubini V, Svensson J, Pacaud D, Kanaka-Gantenbein C, Shalitin S, Bratina N, Hanas R, Alonso GT, Poran L, Pereira AL, Marigliano M; SWEET Study Group. Prevalence of underweight, overweight, and obesity in children and adolescents with type 1 diabetes: Data from the international SWEET registry. *Pediatr Diabetes*. 2018 Nov;19(7):1211-1220. doi: 10.1111/pedi.12730. Epub 2018 Aug 22.
- 7 Cherubini V, Skrami E, Iannilli A, Cesaretti A, Paparusso AM, Alessandrelli MC, Carle F, Ferrito L, Gesuita R. Disordered eating behaviors in adolescents with type 1 diabetes: A cross-sectional population-based study in Italy. *Int J Eat Disord*. 2018 Aug;51(8):890-898. doi: 10.1002/eat.22889.
- 8 Delvecchio M, Salzano G, Bonura C, Cauvin V, Cherubini V, d'Annunzio G, Franzese A, Giglio S, Grasso V, Graziani V, Iafusco D, Iughetti L, Lera R, Maffei C, Maltoni G, Mantovani V, Menzaghi C, Patera PI, Rabbone I, Reindstadler P, Scelfo S, Tinto N, Toni S, Tumini S, Lombardo F, Nicolucci A, Barbetti F; Diabetes Study Group of the Italian Society of Pediatric Endocrinology and Diabetes (ISPED). Can HbA1c combined with fasting plasma glucose help to assess priority for GCK-MODY vs HNF1A-MODY genetic testing? *Acta Diabetol*. 2018 Sep;55(9):981-983. doi: 10.1007/s00592-018-1179-y.
- 9 Rabbone I, Minuto N, Toni S, Lombardo F, Iafusco D, Marigliano M, Schiaffini R, Maltoni G, Frongia AP, Scardapane M, Nicolucci A, Cherubini V, Bonfanti R, Scaramuzza AE; Diabetes Study Group of the Italian Society of Pediatric Endocrinology and Diabetology (ISPED). Insulin pump breakdown and infusion set failure in Italian children with type 1 diabetes: A 1-year prospective observational study with suggestions to minimize clinical impact. *Diabetes Obes Metab*. 2018 Nov;20(11):2551-2556. doi: 10.1111/dom.13419.
- 10 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; 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 Feb 16. doi: 10.1210/jc.2016-2490.
- 11 Di Bartolo P, Nicolucci A, Cherubini V, Iafusco D, Scardapane M, Rossi MC. Young patients with type 1 diabetes poorly controlled and poorly compliant with self-monitoring of blood glucose: can technology help? Results of the i-NewTrend randomized clinical trial. *Acta Diabetol.* 2017 Apr;54(4):393-402. doi: 10.1007/s00592-017-0963-4.
 - 12 Scaramuzza AE, Arnaldi C, Cherubini V, Piccinno E, Rabbone I, Toni S, Tumini S, Candela G, Cipriano P, Ferrito L, Lenzi L, Tinti D, Cohen O, Lombardo F. Recommendations for the use of sensor-augmented pumps with predictive low-glucose suspend features in children: The importance of education. *Pediatr Diabetes.* 2017 Jan 19. doi: 10.1111/pedi.12503.
 - 13 Cherubini V, Skrami E, Ferrito L, Zucchini S, Scaramuzza A, Bonfanti R, Buono P, Cardella F, Cauvin V, Chiari G, D'Annunzio G, Frongia AP, Iafusco D, Patera IP, Toni S, Tumini S, Rabbone I, Lombardo F, Carle F, Gesuita R; Diabetes Study Group of the Italian Society for Pediatric Endocrinology and Diabetology (ISPED). High frequency of diabetic ketoacidosis at diagnosis of type 1 diabetes in Italian children: a nationwide longitudinal study, 2004-2013. *Sci Rep.* 2016 Dec 19;6:38844. doi: 10.1038/srep38844.
 - 14 Witsch M, Kosteria I, Kordonouri O, Alonso G, Archinkova M, Besancon S, Birkebæk NH, Bratina N, Cherubini V, Hanas R, Hasnani D, Iotova V, Raposo JF, Schwandt A, Sumnik Z, Svensson J, Veeze H; SWEET Group. Possibilities and challenges of a large international benchmarking in pediatric diabetology-The SWEET experience. *Pediatr Diabetes.* 2016 Oct;17 Suppl 23:7-15. doi: 10.1111/pedi.12432
 - 15 Rabbone I, Minuto N, Bonfanti R, Marigliano M, Cerutti F, Cherubini V, d'Annunzio G, Frongia A, Iafusco D, Ignaccolo G, Lombardo F, Schiaffini R, Toni S, Tumini S, Zucchini S, Pistorio A, Scaramuzza AE; Italian Paediatric Pump Failure Study Group. Insulin pump failures in Italian children with Type 1 diabetes: retrospective 1-year cohort study. *Diabet Med.* 2016 Nov 25. doi: 10.1111/dme.13294.
 - 16 Ferrito L, Cobellis G, Giobbi D, Pannunzi CP, Iannilli A, Cherubini V. Peripheral Precocious Puberty due to Functioning Adrenocortical Tumor: Description of Two Cases. *J Pediatr Adolesc Gynecol.* 2016 Sep 22. pii: S1083-3188(16)30175-9. doi: 10.1016/j.jpag.2016.09.006
 - 17 Scaramuzza AE, Arnaldi C, Cherubini V, Piccinno E, Rabbone I, Toni S, Tumini S, Candela G, Cipriano P, Ferrito L, Lenzi L, Tinti D, Cohen O, Lombardo F. Use of the predictive low glucose management (PLGM) algorithm in Italian adolescents with type 1 diabetes: CareLink™ data download in a real-world setting. *Acta Diabetol.* 2016 Oct 15.
 - 18 Salardi S, Maltoni G, Zucchini S, Iafusco D, Confetto S, Zanfardino A, Toni S, Piccini B, Zioutas M, Marigliano M, Cauvin V, Franceschi R, Rabbone I, Predieri B, Schiaffini R, Salvatoni A, Reinstadler P, Berioli G, Cherubini V, d'Annunzio G; Diabetes Study Group of the Italian Society of Pediatric Endocrinology and Diabetology (ISPED). Celiac Disease Negatively Influences Lipid Profiles in Youngest Children With Type 1 Diabetes: Effect of the Gluten-Free Diet. *Diabetes Care.* 2016 Jun 6. pii: dc160717.
 - 19 Cherubini V, Pintaudi B, Iannilli A, Pambianchi M, Ferrito L, Nicolucci A. Long-acting Insulin Analogs Effect on gh/igf Axis of Children with Type 1 Diabetes: a Randomized, Open-label, Two-period, Cross-over Trial. *Exp Clin Endocrinol Diabetes.* 2016 May;124(5):276-82. doi: 10.1055/s-0035-1569381.
 - 20 Gesuita R, Skrami E, Bonfanti R, Cipriano P, Ferrito L, Frongia P, Iafusco D, Iannilli A, Lombardo F, Mozzillo E, Paleari R, Rabbone I, Sabbion A, Salvatoni A, Scaramuzza A, Schiaffini R, Sulli N, Toni S, Carle F, Cherubini V. The role of socio-economic and clinical factors on HbA1c in children and adolescents with type 1 diabetes: an Italian multicentre survey. *Pediatr Diabetes.* 2016 Mar 16. doi: 10.1111/pedi.12378.
 - 21 Gerasimidi Vazeou A, Kordonouri O, Witsch M, Hermann JM, Forsander G, de Beaufort C, Veeze HJ, Maffei C, Cherubini V, Cinek O, Piccini B, Holl RW, Danne T; SWEET Study Group. Seasonality at the clinical onset of type 1 diabetes-Lessons from the SWEET database. *Pediatr Diabetes.* 2016 Oct;17 Suppl 23:32-37. doi: 10.1111/pedi.124

- 22 Zucchini S, Scaramuzza AE, Bonfanti R, Buono P, Cardella F, Cauvin V, Cherubini V, Chiari G, d'Annunzio G, Frongia AP, Iafusco D, Maltoni G, Patera IP, Toni S, Tumini S, Rabbone I; Diabetes Study Group of The Italian Society For Pediatric Endocrinology And Diabetology. A Multicenter Retrospective Survey regarding Diabetic Ketoacidosis Management in Italian Children with Type 1 Diabetes. *J Diabetes Res.* 2016;2016:5719470. doi: 10.1155/2016/5719470.
- 23 Giorgetti C, Ferrito L, Zallocco F, Iannilli A, Cherubini V; Study Group for Diabetes of ISPED. Organization and regional distribution of centers for the management of children and adolescents with diabetes in Italy. *Ital J Pediatr.* 2015 Oct 8;41:74. doi: 10.1186/s13052-015-0179-6. Erratum in: *Ital J Pediatr.* 2016;42:33

Signature

Handwritten signature of Cherubini V in black ink.

Date

3rd April 2019