



## Europass Curriculum Vitae



### Personal information

Surname(s) / First name(s) **Vigevano Federico**

Address(es) Ospedale Pediatrico Bambino Gesù, Scientific Institute  
Piazza S. Onofrio, 4  
00165 Roma, Italy

Telephone(s) +39 06 6859 2262

Fax(es) +39 06 6859 2793

E-mail federico.vigevano@opbg.net

Nationality Italian

Place and date of birth

Gender M

Tax code

### Work experience

Dates

January 2023 - Director of Neurosciences and Rehabilitation Scientific Area;  
August 2020 - Director of Neurosciences Department at Children's Hospital Bambino Gesù;  
January 2010 - Director of the Neuroscience and Neurorehabilitation Department, at Children's Hospital Bambino Gesù;  
January 2009 - Director of the Department of Neurosciences, Children's Hospital Bambino Gesù;  
1997 - Head of UOC Neurology, Children's Hospital Bambino Gesù;  
1982 - Head of UOC Neurophysiology, Children's Hospital Bambino Gesù;  
1978 - Assistant Neurologist, Child Neuropsychiatry Unit, Children's Hospital Bambino Gesù.

Occupation or position held Director of Neurosciences and Rehabilitation Scientific Area  
Main activities and responsibilities Research in Neurosciences

Name and address of employer Children's Hospital Bambino Gesù

Type of business or sector Health and research sector

## Education and training

### Dates

Postgraduate **Diploma in Neurology and Psychiatry** achieved on 12.01.1977, at the I ^ Clinic of Nervous and Mental Diseases, University of Rome, with the mark 70/70 cum laude

Degree in **Medicine and Surgery**, 8-11-1974, at the University of Rome with 110/110 cum laude

High school diploma awarded in 1968 at the institute "**Massimiliano Massimo**" in Rome

Dr. Federico Vigeveno has focused on studies, using video-EEG monitoring systems, in the field of **Childhood Epilepsy**, with particular attention to seizures in the first years of life. He studied the electroclinical patterns of various types of epileptic seizures in childhood, especially epileptic spasms. **He identified a new clinical entity** that is currently recognized as a syndrome called ***Self-limited Infantile Familial Epilepsy***. Studies on focal dysplasias and hemimegalencephaly led to the definition of surgical indications for these cases and in general for paediatric patients with resistant epilepsy. Data regarding non-epileptic paroxysmal manifestations in childhood have been collected for years with the use of video-EEG monitoring. These documents have been presented at the most important international epilepsy congress. Dr. Vigeveno has been a member of various International League Against Epilepsy (ILAE) Commissions for epileptic syndromes classification and diagnostic strategies. In 1996 he was elected Secretary of the **Lega Italiana Contro l'Epilessia (LICE) and has been President since 1999 to 2002**. Since 2001 to 2005 has been **Chair of European Advisory Council**. Since October 2022 he is the **Chair of the National Virtual Institute of Epilepsy of the Italian neurological IRCCS**. He has been in the Scientific and/or Organizing Committee of the European Congress: Florence, Madrid, Vienna, Stockholm. Has been the **Chair of the Scientific Committee of the International Congress on Epilepsy (Rome 2011)**. He is the organizer of the annual "**International Course on Resistant Epilepsy**" (Tagliacozzo – Italy). He is member of the board of the European Paediatric Neurology Society

Principal subjects/occupational skills covered Assistance and research in Epilepsy and other neurological diseases

Organizational skills and competences The role of adequate training and employment

### Scientific assignments

- Secretary of LICE 1996-1999.
- **President of the LICE from 1999 to 2002.**
- Member of the ILAE Commission of European Affairs 2001-2009.
- President of the European Advisory Council of the European Leagues Against Epilepsy 2001 to 2005.
- **Ambassador of Epilepsy since 2001.**
- Advisory Board of Epileptic Disorders from 1999 to 2014.
- President of the Epilepsy Foundation since 2010.
- Referee of the following journals: Epilepsia; Brain Development; Italian Journal of Neurological Science, Italian Journal of Paediatrics, European J. of Paediatric Neurology, Epileptic Disorders.
- Member of the ILAE Commission on Classification and Terminology (Syndromes and Diagnostic Manual Task Force) since 2014.
- Dr. Vigeveno has been on the advisory board of "Epileptic Disorders" and "Epilepsia". He has published more than 230 papers in English in the most important international journals dedicated prevalently to epilepsy.
- **Prof. Vigeveno received the European Epileptology Award by the ILAE Commission on European Affairs (CEA). Prague, September 2016.**
- Prof. Vigeveno received the ILAE (GLAE) Award to the career for epilepsy. Tbilisi, Georgia, May 2018.
- Prof. Vigeveno is the **Chair of the National Virtual Institute of Epilepsy of the Italian Neurological IRCCS**, since October 2022.

### Academic assignments

- Adjunct Professor at the Child Neuropsychiatry Postgraduate School of the Tor Vergata University - Rome
- Professor of Child Neuropsychiatry at the Degree in Psychology of the LUMSA University – Rome
- Director of several Masters of the Lumsa Master School.

### Main research topics

- Pediatric Epilepsy, Drug-resistant Epilepsy, Genetic of Epilepsy, Video-EEG and Long-term monitoring in epilepsy, Coma in children, Sudden Infant Death Syndrome, Non-epileptic paroxysmal manifestations, Crisis by Video-Game, Developmental disability, Neonatal Neurology.  
Author or co-author of more than 200 scientific papers published in international journals.

### Most important publications of the last 10 years

- **Gain of function SCN1A disease-causing variants: expanding the phenotypic spectrum and functional studies guiding the choice of effective antiseizure medication.**  
Matricardi S, Cestè S, Trivisano M, Kassabian B, Leroudier N, Vittorini R, Nosadini M, Cesaroni E, Siliquini S, Marinaccio C, Longaretti F, Podestà B, Operto FF, Luisi C, Sartori S, Boniver C, Specchio N, Vigeveno F, Marini C, Mantegazza M. *Epilepsia*. 2023 Jan 13.
- **Use of cenobamate for the treatment of focal epilepsy: an Italian expert opinion paper.**  
Villani F, Cianci V, Di Bonaventura C, Di Gennaro G, Galimberti CA, Guerrini R, La Neve A, Mecarelli O, Pietrafusa N, Specchio N, **Vigeveno F**, Perucca E. *Expert Rev Neurother*. 2023 Jan 20.
- **Hemispherotomy in Infants with Hemimegalencephaly: Long-Term Seizure and Developmental Outcome in Early Treated Patients.**  
Pepi C, De Benedictis A, Rossi-Espagnet MC, Cappelletti S, Da Rold M, Falcicchio G, **Vigeveno F**, Marras CE, Specchio N, De Palma L. *Brain Sci*. 2022 Dec 30;13(1):73.
- **Can Presurgical Interhemispheric EEG Connectivity Predict Outcome in Hemispheric Surgery? A Brain Machine Learning Approach.**  
Pepi C, Mercier M, Carfi Pavia G, de Benedictis A, **Vigeveno F**, Rossi-Espagnet MC, Falcicchio G, Marras CE, Specchio N, de Palma L. *Brain Sci*. 2022 Dec 30;13(1):71.
- **Focal non-motor seizures and subsequent focal motor seizures as the main clinical expression of GLUT-1 deficiency.**  
Santarone ME, Piscitello LM, Volponi C, **Vigeveno F**, Fusco L. *Epilepsy Behav Rep*. 2022 Nov 7;20:100571.
- **Unmet needs and perspectives in management of drug resistant focal epilepsy: An Italian study.**  
Mecarelli O, Di Gennaro G, **Vigeveno F**. *Epilepsy Behav*. 2022 Dec;137(Pt A):108950.
- **Long-term efficacy of glycopyrrolate on sialorrhea in Goldenhar syndrome: a case report.**  
Della Bella G, Castelli E, **Vigeveno F**. *Ital J Pediatr*. 2022 Sep 6;48(1):166.
- **KETASER01 protocol: What went right and what went wrong.**  
Rosati A, L'Erario M, Bianchi R, Olivotto S, Battaglia DI, Darra F, Biban P, Biggeri A, Catelan D, Danieli G, Mondardini MC, Cordelli DM, Amigoni A, Cesaroni E, Conio A, Costa P, Lombardini M, Meleleo R, Pugi A, Tornaboni EE, Santarone ME, Vittorini R, Sartori S, Marini C, **Vigeveno F**, Mastrangelo M, Pulitanò SM, Izzo F, Fusco L. *Epilepsia Open*. 2022 Sep;7(3):532-540.
- **Subacute Sclerosing Panencephalitis in Children: The Archetype of Non-Vaccination.**  
Papetti L, Amodeo ME, Sabatini L, Baggieri M, Capuano A, Graziola F, Marchi A, Bucci P, D'Ugo E, Kojouri M, Gioacchini S, Marras CE, Nucci CG, Ursitti F, Sforza G, Ferilli MAN, Monte G, Moavero R, **Vigeveno F**, Valeriani M, Magurano F. *Viruses*. 2022 Mar 31;14(4):733.
- **Current role of surgery for tuberous sclerosis complex-associated epilepsy.**  
Specchio N, Pavia GC, de Palma L, De Benedictis A, Pepi C, Conti M, Marras CE, **Vigeveno F**, Curatolo P. *Pediatr Investig*. 2022 Feb 21;6(1):16-22.
- **Neurophysiological Findings in Neuronal Ceroid Lipofuscinoses.**  
Trivisano M, Ferretti A, Calabrese C, Pietrafusa N, Piscitello L, Carfi Pavia G, **Vigeveno F**, Specchio N. *Front Neurol*. 2022 Feb 25;13:845877.
- **Developmental Regression, Hypertension, and Pink Extremities in Childhood Mercury Poisoning.**

- Ursitti F, Marano M, Locatelli CA, Ronchi A, Valeriani M, **Vigevano F**, Fusco L. *Neuropediatrics*. 2022 Dec;53(6):448-450.
- **Neonatal Cerebral Venous Thrombosis following Maternal SARS-CoV-2 Infection in Pregnancy.**  
Campi F, Longo D, Bersani I, Savarese I, Lucignani G, Haass C, Paolino MC, Vadalà S, De Liso P, Di Capua M, Luciani M, Esposito G, Amante PG, **Vigevano F**, Dotta A. *Neonatology*. 2022;119(2):268-272.
  - **Super-refractory status epilepticus (SRSE): A case series of 22 pediatric patients.**  
Caputo D, Santarone ME, Serino D, Pietrafusa N, **Vigevano F**, Fusco L. *Eur J Paediatr Neurol*. 2022 Mar;37:25-31.
  - **Survey on the worldwide availability and affordability of antiseizure medications: Report of the ILAE Task Force on Access to Treatment.**  
Pironi V, Ciccone O, Beghi E, Paragua-Zuellig H, Patel AA, Giussani G, Bianchi E, Venegas V, **Vigevano F**; ILAE Task Force on Access to Treatment. *Epilepsia*. 2022 Feb;63(2):335-351.
  - **Migraine and Its Equivalents: What Do They Share? A Narrative Review on Common Pathophysiological Patterns.**  
Frattale I, Ruscitto C, Papetti L, Ursitti F, Sforza G, Moavero R, Ferilli MAN, Tarantino S, Balestri M, **Vigevano F**, Mazzone L, Valeriani M. *Life (Basel)*. 2021 Dec 12;11(12):1392.
  - **Vaccination and childhood epilepsies.**  
Craiu D, Renner Primec Z, Lagae L, **Vigevano F**, Trinkka E, Specchio N, Bakhtadze S, Cazacu C, Golli T, Zuberi SM. *Eur J Paediatr Neurol*. 2022 Jan;36:57-68.
  - **TELEmedicine for Epilepsy Care (TELE-EPIC): protocol of a randomised, open controlled non-inferiority clinical trial.**  
Licchetta L, Trivisano M, Baldin E, Mohamed S, Raschi E, Mostacci B, Zenesini C, Contin M, **Vigevano F**, Bisulli F, Tinuper P, Vignatelli L. *BMJ Open*. 2021 Dec 3;11(12):e053980
  - **Neuropsychological Sequelae, Quality of Life and Adaptive Behavior in Children and Adolescents with Anti-NMDAR Encephalitis: A Narrative Review.**  
Tarantino S, Aversa R, Ruscitto C, Ursitti F, Ferilli MAN, Moavero R, Papetti L, Proietti Checchi M, Sforza G, Balestri M, Grimaldi Capitello T, **Vigevano F**, Vicari S, Valeriani M. *Brain Sci*. 2021 Oct 22;11(11):1387.
  - **Sleep Disorders in Pediatric Migraine: A Questionnaire-Based Study.**  
Voci A, Bruni O, Ferilli MAN, Papetti L, Tarantino S, Ursitti F, Sforza G, **Vigevano F**, Mazzone L, Valeriani M, Moavero R. *J Clin Med*. 2021 Aug 14;10(16):3575.
  - **Imbalance of Systemic Redox Biomarkers in Children with Epilepsy: Role of Ferroptosis.**  
Petrillo S, Pietrafusa N, Trivisano M, Calabrese C, Saura F, Gallo MG, Bertini ES, **Vigevano F**, Specchio N, Piemonte F. *Antioxidants (Basel)*. 2021 Aug 9;10(8):1267.
  - **Juvenile myoclonic epilepsy: Long-term prognosis and risk factors.**  
Pietrafusa N, La Neve A, de Palma L, Boero G, Luisi C, **Vigevano F**, Specchio N. *Brain Dev*. 2021 Jun;43(6):688-697.
  - **Neuroimaging and genetic characteristics of malformation of cortical development due to mTOR pathway dysregulation: clues for the epileptogenic lesions and indications for epilepsy surgery.**  
Specchio N, Pepi C, De Palma L, Trivisano M, **Vigevano F**, Curatolo P. *Expert Rev Neurother*. 2021 Nov;21(11):1333-1345.
  - **Clinical and neuroimaging characteristics of MOG autoimmunity in children with acquired demyelinating syndromes.**

Ferilli MAN, Valeriani M, Papi C, Papetti L, Ruscitto C, Figà Talamanca L, Ursitti F, Moavero R, Vigevano F, Iorio R. *Mult Scler Relat Disord.* 2021 May;50:102837.

- **Impact of COVID-19 pandemic on pediatric patients with epilepsy - The caregiver perspective.** Trivisano M, Specchio N, Pietrafusa N, Calabrese C, Ferretti A, Ricci R, Renzetti T, Raponi M, **Vigevano F**, *Epilepsy Behav.* 2020 Dec; 113:107527
- **Fatal Status Epilepticus in Dravet Syndrome.** De Liso P, Pironi V, Mastrangelo M, Battaglia D, Craiu D, Trivisano M, Specchio N, Nabbout R, **Vigevano F**. *Brain Sci.* 2020 Nov 23;10(11):889.
- **Clinical and Genetic Overview of Paroxysmal Movement Disorders and Episodic Ataxias.** Garone G, Capuano A, Travaglini L, Graziola F, Stregapede F, Zanni G, **Vigevano F**, Bertini E, Nicita F. Garone G, et al. *Int J Mol Sci.* 2020 May 20;21(10):3603;
- **Non-motor symptoms in movement disorders: more than meets the eye.** **Vigevano F**. *Dev Med Child Neurol.* 2020 Jul;62(7):774;
- **Successful use of fenfluramine in nonconvulsive status epilepticus of Dravet syndrome.** Specchio N, Pietrafusa N, Ferretti A, Trivisano M, **Vigevano F**. *Epilepsia.* 2020 Apr;61(4):831-833;
- **Refractory Status Epilepticus in Genetic Epilepsy-Is Vagus Nerve Stimulation an Option?** Specchio N, Ferretti A, Pietrafusa N, Trivisano M, Calabrese C, Carfi Pavia G, De Benedictis A, Marras CE, de Palma L, **Vigevano F**. Specchio N, et al. *Front Neurol.* 2020 Jun 12; 11:443;
- **Autism and Epilepsy in Patients with Tuberous Sclerosis Complex.** Specchio N, Pietrafusa N, Trivisano M, Moavero R, De Palma L, Ferretti A, **Vigevano F**, Curatolo P. *Front Neurol.* 2020 Aug 11; 11:639;
- **Treatment of infantile spasms: why do we know so little?** Specchio N, Pietrafusa N, Ferretti A, De Palma L, Santarone ME, Pepi C, Trivisano M, **Vigevano F**, Curatolo P. *Expert Rev Neurother.* 2020 Jun;20(6):551-566;
- **Purified Cannabidiol for Treatment of Refractory Epilepsies in Pediatric Patients with Developmental and Epileptic Encephalopathy.** Pietrafusa N, Ferretti A, Trivisano M, de Palma L, Calabrese C, Carfi Pavia G, Tondo I, Cappelletti S, **Vigevano F**, Specchio N. *Paediatr Drugs.* 2019 Aug;21(4):283-290;
- **Generalized tonic seizures with autonomic signs are the hallmark of SCN8A developmental and epileptic encephalopathy.** Trivisano M, Pavia GC, Ferretti A, Fusco L, **Vigevano F**, Specchio N. *Epilepsy Behav.* 2019 Jul; 96:219-223;
- **Predictors of Evolution into Multiple Sclerosis After a First Acute Demyelinating Syndrome in Children and Adolescents.** Papetti L, Figà Talamanca L, Spalice A, **Vigevano F**, Centonze D, Valeriani M. *Front Neurol.* 2019 Jan 15;9:1156;
- **Defining the electroclinical phenotype and outcome of PCDH19-related epilepsy: A multicenter study.** Trivisano M, Pietrafusa N, Terracciano A, Marini C, Mei D, Darra F, Accorsi P, Battaglia D, Caffi L, Canevini MP, Cappelletti S, Cesaroni E, de Palma L, Costa P, Cusmai R, Giordano L, Ferrari A, Freri E, Fusco L, Granata T, Martino T, Mastrangelo M, Bova SM, Parmeggiani L, Ragona F, Sicca F, Striano P, Specchio LM, Tondo I, Zambrelli E, Zamponi N, Zanus C, Boniver C, Vecchi M, Avolio C, Dalla Bernardina B, Bertini E, Guerrini R, **Vigevano F**, Specchio N. *Epilepsia.* 2018 Dec;59(12):2260-2271;

- **The pharmacological management of Lennox-Gastaut syndrome and critical literature review.**  
Verrotti A, Striano P, Iapadre G, Zagaroli L, Bonanni P, Coppola G, Elia M, Mecarelli O, Franzoni E, De Liso P, **Vigevano F**, Curatolo P. *Seizure*. 2018 Dec; 63:17-25;
- **The phenotype of SCN8A developmental and epileptic encephalopathy.**  
Gardella E, Marini C, Trivisano M, Fitzgerald MP, Alber M, Howell KB, Darra F, Siliquini S, Bölsterli BK, Masnada S, Pichiecchio A, Johannesen KM, Jepsen B, Fontana E, Anibaldi G, Russo S, Cogliati F, Montomoli M, Specchio N, Rubboli G, Veggiotti P, Beniczky S, Wolff M, Helbig I, **Vigevano F**, Scheffer IE, Guerrini R, Møller RS. *Neurology*. 2018 Sep 18;91(12):e1112-e1124;
- **Childhood Rapid-Onset Ataxia: Expanding the Phenotypic Spectrum of ATP1A3 Mutations.**  
Schirinzi T, Graziola F, Nicita F, Travaglini L, Stregapede F, Valeriani M, Curatolo P, Bertini E, **Vigevano F**, Capuano A. *Cerebellum*. 2018 Aug;17(4):489-493;
- **Effect of rescue medication on seizure duration in non-institutionalized children with epilepsy.**  
**Vigevano F**, Kirkham FJ, Wilken B, Raspall-Chaure M, Grebla R, Lee D, Werner-Kiechle T, Lagae L. *Eur J Paediatr Neurol*. 2018 Jan;22(1):56-63;
- **Photosensitivity is an early marker of neuronal ceroid lipofuscinosis type 2 disease.**  
Specchio N, Bellusci M, Pietrafusa N, Trivisano M, de Palma L, **Vigevano F**. *Epilepsia*. 2017 Aug;58(8):1380-1388;
- **Current role of perampanel in pediatric epilepsy.**  
De Liso P, Moavero R, Coppola G, Curatolo P, Cusmai R, De Sarro G, Franzoni E, **Vigevano F**, Verrotti A. *Ital J Pediatr*. 2017 Jun 2;43(1):51;
- **Definition and diagnostic criteria of sleep-related hypermotor epilepsy.**  
Tinuper P, Bisulli F, Cross JH, Hesdorffer D, Kahane P, Nobili L, Provini F, Scheffer IE, Tassi L, Vignatelli L, Bassetti C, Cirignotta F, Derry C, Gambardella A, Guerrini R, Halasz P, Licchetta L, Mahowald M, Manni R, Marini C, Mostacci B, Naldi I, Parrino L, Picard F, Pugliatti M, Ryvlin P, **Vigevano F**, Zucconi M, Berkovic S, Ottman R. *Neurology*. 2016 May 10;86(19):1834-42;
- **Childhood-onset ATP1A3-related conditions: Report of two new cases of phenotypic spectrum.**  
Nicita F, Travaglini L, Sabatini S, Garavaglia B, Panteghini C, Valeriani M, Bertini E, Nardocci N, **Vigevano F**, Capuano A. *Parkinsonism Relat Disord*. 2016 Sep; 30:81-2;
- **Rapid and safe response to low-dose carbamazepine in neonatal epilepsy.**  
Sands TT, Balestri M, Bellini G, Mulkey SB, Danhaive O, Bakken EH, Tagliatalata M, Oldham MS, **Vigevano F**, Holmes GL, Cilio MR. *Epilepsia*. 2016 Dec;57(12):2019-2030.
- **Effectiveness and tolerability of perampanel in children and adolescents with refractory epilepsies-An Italian observational multicenter study.**  
De Liso P, **Vigevano F**, Specchio N, De Palma L, Bonanni P, Osanni E, Coppola G, Parisi P, Grosso S, Verrotti A, Spalice A, Nicita F, Zamponi N, Siliquini S, Giordano L, Martelli P, Guerrini R, Rosati A, Ilvento L, Belcastro V, Striano P, Vari MS, Capovilla G, Beccaria F, Bruni O, Luchetti A, Gobbi G, Russo A, Pruna D, Tozzi AE, Cusmai R. *Epilepsy Res*. 2016 Nov;127:93-100;
- **Extending the use of stiripentol to other epileptic syndromes: a case of PCDH19-related epilepsy.**  
Trivisano M, Specchio N, **Vigevano F**. *Eur J Paediatr Neurol*. 2015 Mar;19(2):248-50;
- **Ictal vomiting as a sign of temporal lobe epilepsy confirmed by stereo-EEG and surgical outcome.**

- Pietrafusa N, de Palma L, De Benedictis A, Trivisano M, Marras CE, Vigevano F, Specchio N. *Epilepsy Behav.* 2015 Dec; 53:112-6;
- **Focal seizures versus epileptic spasms in children with focal cortical dysplasia and epilepsy onset in the first year.**  
Serino D, Freri E, Ragona F, D'Incerti L, Bernardi B, Di Ciommo V, Granata T, **Vigevano F**, Fusco L. *Epilepsy Res.* 2015 Jan;109:203-9;
  - **Migraine Equivalents as Part of Migraine Syndrome in Childhood.**  
Tarantino S, Capuano A, Torriero R, Citti M, Vollono C, Gentile S, **Vigevano F**, Valeriani M. *Pediatr Neurol.* 2014 Jul 22. pii: S0887-8994(14);
  - **Occipital seizures induced by intermittent photic stimulation in Dravet syndrome.**  
Specchio N, Pontrelli G, Serino D, Trivisano M, Cappelletti S, Terracciano A, **Vigevano F**, Fusco L. *Seizure.* 2014 Apr;23(4):309-13;
  - **Dyskinesia as a new adverse effect of hormonal treatment in West syndrome.**  
Sukhudyay BG, Dimova PS, Capuano A, **Vigevano F**. *Epileptic Disord.* 2014 Mar;16(1):5-12;
  - **Pallidotomy for medically refractory status dystonicus in childhood.**  
Marras CE, Rizzi M, Cantonetti L, Rebessi E, De Benedictis A, Portaluri F, Randi F, Savioli A, Castelli E, **Vigevano F**. *Dev Med Child Neurol.* 2014 Jul;56(7):649-56;
  - **Therapeutic approach to epileptic encephalopathies.**  
**Vigevano F**, Arzimanoglou A, Plouin P, Specchio N. *Epilepsia.* 2013 Nov;54 Suppl 8:45-50.

I hereby authorize the treatment of my personal data according to the current Italian directives (Law No. 196 of 30 June, 2003) Privacy policy.

Rome, 20/11/2023