
Sara Olivotto

Pediatric neurologist

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PROFESSIONAL PROFILE

I'm a child neuropsychiatrist with a special interest in the field of epilepsy and neuroinflammatory disorders.

AREAS OF EXPERTISE

Diagnosis and treatment of patients with congenital and acquired pediatric neurological disorders with special focus on epilepsy in the inpatient, outpatient, and emergency settings.

Clinical research in pediatric inflammatory disorders.

Multidisciplinary management of pediatric patients with complex disabilities.

WORK EXPERIENCE

Buzzi Children's Hospital, Milan - *Pediatric neurologist*

12/2016 - CURRENT

Fondazione IRCCS Cà Granda-Ospedale Maggiore Policlinico, Milan - *Pediatric neuropsychiatrist*

09/2015 - 04/2017

IRCCS Neurological Institute C. Mondino, Pavia - *Pediatric neuropsychiatrist*

09/2015 - 04/2017

Scientific Institute Eugenio Medea, Bosisio Parini - *Pediatric neuropsychiatrist*

06/2015 - 09/2015

EDUCATION

Child Neurology and Psychiatry Residency Course- University of Pavia, Pavia - *Completed residency in Pediatric Neuropsychiatry*

05/2010 - 05/2015

Dissertation title: *Study of the hemodynamic patterns related to interictal epileptiform activity and Resting-State Functional connectivity in GLUT1 Deficiency Syndrome.*

University of Pavia, Pavia - *Medicine and Surgery Degree*

10/2001 - 10/2018

Dissertation title: *The sleep behavior of the preterm child: a transversal study in the first three years of a group of subjects with gestational age <37 weeks.*

Liceo Scientifico L. da Vinci, Gallarate (VA) - *High School Degree*

09/1994 - 06/1999

INTERNSHIP

Department of Neurosciences, OCSAE Hospital, AOU Modena, Modena - *Postgraduate resident medical student*

03/2015 - 05/2015

Epilepsy, Sleep and Pediatric Neurophysiology Department (ESEFNP), University Hospitals of Lyon (HCL), Lyon, France - *Postgraduate resident medical student*

11/2013 - 04/2014

Child and Adolescent Mental Health Service (CAMHs)-South Essex Partnership University NHS Foundation Trust (SEPT), UK - *Postgraduate resident medical student*

07/2011 - 08/2011

Phoenixville High School-Phoenixville, PA, USA - *Exchange student Phoenixville High School*

01/1997 - 06/1997

LANGUAGE SKILLS

Italian: *mother tongue*

English: *proficient*

French: *proficient*

HONOURS AND AWARDS

A.I.E.F. ONLUS-Italian Association of Pharmacoresistant Epilepsy Prize, 2015

MULTICENTER CLINICAL TRIALS

Sub-Investigator in the following trials:

An open label multicenter expanded access study of RAD001 in patients with subependymal giant cell astrocytomas (SEGA) associated with tuberous sclerosis complex (TSC). The effects study: everolimus for fast expanded access in TSC SEGA.

A Multicenter, Randomized, Controlled, Open-label Study to Evaluate the Cognitive Development Effects and Safety, and Pharmacokinetics of Adjunctive Rufinamide Treatment in Pediatric Subjects 1 to less than 4 years of age with Inadequately Controlled Lennox-Gastaut Syndrome.

A Placebo-controlled Study of Efficacy & Safety of 2 Trough-ranges of Everolimus as Adjunctive Therapy in Patients With Tuberous Sclerosis Complex (TSC) & Refractory Partial-onset Seizures (EXIST-3).

A Randomized, Dose-Finding and Confirmatory, Double-Blind, Placebo-Controlled, Parallel-Group Multicenter Study With a 2 Stage Adaptive Design and Randomized Withdrawal to Evaluate the Efficacy, Safety, and Tolerability of Brivaracetam as Monotherapy in Patients 2 to 25 Years of Age With Childhood Absence Epilepsy or Juvenile Absence Epilepsy.

A Multicenter, Open-Label, Single-Arm Study to Evaluate Long-Term Safety, Tolerability, and Efficacy of Brivaracetam in Study Participants 2 to 26 Years of Age With Childhood Absence Epilepsy or Juvenile Absence Epilepsy.

PUBLICATIONS

Olivotto S, Basso E, Lavatelli R, Previtali R, Parenti L, Fiori L, Dilillo D, Zuccotti GV, Veggiotti P, Bova SM. Acute encephalitis in pediatric multisystem inflammatory syndrome associated with COVID-19. Eur J Paediatr Neurol. 2021 Sep;34:84-90.

Olivotto S, Basso E, Lavatelli R, Previtali R, Parenti L, Fiori L, Dilillo D, Zuccotti GV, Veggiotti P, Bova SM. Acute encephalitis in pediatric multisystem inflammatory syndrome associated with COVID-19. Eur J Paediatr Neurol. 2021 Sep;34:84-90.

Masnada S, Sarret C, Antonello CE, Fadilah A, Krude H, Mura E, Mordekar S, Nicita F, Olivotto S, Orcesi S, Porta F, Remerand G, Siri B, Wilpert NM, Amir-Yazdani P, Bertini E, Schuelke M, Bernard G, Boespflug-Tanguy O, Tonduti D. Movement disorders in MCT8 deficiency/Allan-Herndon-Dudley Syndrome. *Mol Genet Metab.* 2022 Jan;135(1):109-113.

Veggiotti P, Pera MC, Olivotto S, De Giorgis V. How to Manage Electrical Status Epilepticus in Sleep. *J Clin Neurophysiol.* 2016 Feb;33(1):3-9.

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, Vigevano F, Mastrangelo M, Pulitanò SM, Izzo F, Fusco L. KETASER01 protocol: What went right and what went wrong. *Epilepsia Open.* 2022 Sep;7(3):532-540.

Olivotto S, Freddi A, Lavatelli R, Basso E, Leidi A, Castellotti B, Spaccini L, Bova SM, Veggiotti P. Successful use of perampanel in GABRA1-related myoclonic epilepsy with photosensitivity. *Epilepsy Behav Rep.* 2022 Apr 20;19:100544.

De Giorgis V, Varesio C, Baldassari C, Piazza E, Olivotto S, Macasaet J, Balottin U, Veggiotti P. Atypical Manifestations in Glut1 Deficiency Syndrome. *J Child Neurol.* 2016 Aug;31(9):1174-80.

Mauri A, Duse A, Palm G, Previtali R, Bova SM, Olivotto S, Benedetti S, Coscia F, Veggiotti P, Cereda C. Molecular Genetics of GLUT1DS Italian Pediatric Cohort: 10 Novel Disease-Related Variants and Structural Analysis. *Int J Mol Sci.* 2022 Nov 4;23(21):13560.

Olivotto S, Duse A, Bova SM, Leonardi V, Biganzoli E, Milanese A, Cereda C, Bertoli S, Previtali R, Veggiotti P. Glut1 deficiency syndrome throughout life: clinical phenotypes, intelligence, life achievements and quality of life in familial cases. *Orphanet J Rare Dis.* 2022 Sep 24;17(1):365.

Basso M, Gastaldi M, Leonardi V, Izzo G, Olivotto S, Ferrario S, Veggiotti P, Franciotta D, Bova SM. Connections Between Febrile Infection-Related Epilepsy Syndrome and Autoimmune Encephalitis. A Case Report of a Child With New Anti-neuronal Antibodies. *Front Pediatr.* 2022 Aug 8;10:908518.

Vaudano AE, Olivotto S, Ruggieri A, Gessaroli G, Talami F, Parmeggiani A, De Giorgis V, Veggiotti P, Meletti S. The effect of chronic neuroglycopenia on resting state networks in GLUT1 syndrome across the lifespan. *Hum Brain Mapp.* 2020 Feb 1;41(2):453-466.

Vaudano AE, Olivotto S, Ruggieri A, Gessaroli G, De Giorgis V, Parmeggiani A, Veggiotti P, Meletti S. Brain correlates of spike and wave discharges in GLUT1 deficiency syndrome. *Neuroimage Clin.* 2016 Dec 21;13:446-454.

De Giorgis V, Teutonico F, Cereda C, Balottin U, Bianchi M, Giordano L, Olivotto S, Ragona F, Tagliabue A, Zorzi G, Nardocci N, Veggiotti P. Sporadic and

familial glut1ds Italian patients: A wide clinical variability. *Seizure*. 2015 Jan;24:28-32.

Dilena R, Striano P, Gennaro E, Bassi L, Olivotto S, Tadini L, Mosca F, Barbieri S, Zara F, Fumagalli M. Efficacy of sodium channel blockers in SCN2A early infantile epileptic encephalopathy. *Brain Dev*. 2017 Apr;39(4):345-348.

Meletti S, Ruggieri A, Avanzini P, Caramaschi E, Filippini M, Bergonzini P, Monti G, Vignoli A, Olivotto S, Mastrangelo M, Santucci M, Gobbi G, Veggiotti P, Vaudano AE. Extrastriate visual cortex in idiopathic occipital epilepsies: The contribution of retinotopic areas to spike generation. *Epilepsia*. 2016 Jun;57(6):896-906.

Zuccotti G, Calcaterra V, Mannarino S, D'Auria E, Bova SM, Fiori L, Verduci E, Milanese A, Marano G, Garbin M, Zirpoli S, Fabiano V, Carlucci P, Olivotto S, Gianolio L, De Santis R, Pelizzo G, Zoia E, Dilillo D, Biganzoli EM. Six-month multidisciplinary follow-up in multisystem inflammatory syndrome in children: An Italian single-center experience. *Front Pediatr*. 2023 Jan 26;10:1080654.

Varesio C, De Giorgis V, Veggiotti P, Nardocci N, Granata T, Ragona F, Pasca L, Mensi MM, Borgatti R, Olivotto S, Previtali R, Riva A, Mancardi MM, Striano P, Cavallin M, Guerrini R, Operto FF, Pizzolato A, Di Maulo R, Martino F, Lodi A, Marini C. GLUT1-DS Italian registry: past, present, and future: a useful tool for rare disorders. *Orphanet J Rare Dis*. 2023 Mar 21;18(1):63.

Pilotto S, Gencarelli J, Bova S, Gerosa L, Baroncini D, Olivotto S, Alfei E, Zaffaroni M, Suppiej A, Cocco E, Trojano M, Amato MP, D'Alfonso S, Martinelli-Boneschi F, Waubant E, Ghezzi A, Bergamaschi R, Pugliatti M. Etiological research in pediatric multiple sclerosis: A tool to assess environmental exposures (PEDiatric Italian Genetic and enviRonment ExposurE Questionnaire). *Mult Scler J Exp Transl Clin*. 2021 Dec 1.

COLLABORATIONS IN STUDY GROUPS

Bova SM, Basso M, Bianchi MF, Savaré L, Ferrara G, Mura E, Redaelli MG, Olivieri I, Veggiotti P; Milan COVID-19 and Child Neurology Study Group. Impact of COVID-19 lockdown in children with neurological disorders in Italy. *Disabil Health J*. 2021 Apr;14(2):101053.

Bova SM, Serafini L, Capetti P, Dallapiccola AR, Doneda C, Gadda A, Lonoce L, Vittorini A, Mannarino S, Veggiotti P; Milan MIS-C Study Group. Neurological Involvement in Multisystem Inflammatory Syndrome in Children: Clinical, Electroencephalographic and Magnetic Resonance Imaging Peculiarities and Therapeutic Implications. An Italian Single-Center Experience. *Front Pediatr*. 2022 Aug 12.

Caporali C, Longo S, Tritto G, Perotti G, Pisoni C, Naboni C, Gardella B, Spinillo A, Manzoni F, Ghirardello S, Borgatti R, Orcesi S; ELBWI Neurodevelopmental Follow-up Study Group. Neurodevelopmental outcome of Italian preterm ELBW infants: an eleven years single center cohort. Ital J Pediatr. 2022 Jul 19;48(1):117.

Beghi E, Messina P, Pupillo E, Cricchiutti G, Baglietto MG, Veggiotti P, Zamponi N, Casellato S, Margari L, Cianchetti C; TASCA Study Group. Satisfaction with antiepileptic drugs in children and adolescents with newly diagnosed and chronic epilepsy. Epilepsy Res. 2012 Jun.

Cianchetti C, Messina P, Pupillo E, Cricchiutti G, Baglietto MG, Veggiotti P, Zamponi N, Casellato S, Margari L, Erba G, Beghi E; TASCA study group. The perceived burden of epilepsy: Impact on the quality of life of children and adolescents and their families. Seizure. 2015 Jan.

Milano, 27/03/2023