

## **PROFESSIONAL EXPERIENCE:**

**1. Civic Hospital of Lugano, Switzerland. 8/2013 to 11/2013**

Neurocenter of the Southern Switzerland Sleep and Epilepsy Center

**2. University of Rome “La Sapienza”, Italy 6/2011 to 5/2013**

Pediatrics, Sleep Disease Centre, Sant'Andrea Hospital, II Faculty of Medicine,

Consultant

**3. University of Rome “La Sapienza”, Italy 1/2010 to 12/2011**

Pediatrics, Intensive Care Unit, Policlinico Umberto I, I Faculty of Medicine

Research fellowship- on “Heart rate variability in children with craniofacial anomalies and sleep disordered breathing”

**4. University of Rome “La Sapienza”, Italy 10/2010 to 5/2011**

Pediatrics, Intensive Care Unit, Policlinico Umberto I, I Faculty of Medicine

Consultant

**5. San Raffaele Institute, Rome, Italy**

**12/2009 to 12/2013**

Pediatric Rehabilitation Department, Rome

Consultant

**6. University of Rome “La Sapienza”, Italy**

**1/2006 to 12/2010**

Pediatrics, Sleep Disease Centre, Sant'Andrea Hospital, II Faculty of Medicine,

Research fellowship- on “Pulse Transit Time as a Measure of Breathing Effort in Children”

**7. Oasi Institute for Research on Mental Retardation  
and Brain Aging (IRCCS), Troina, Italy**

**1/2003-12/2004**

Department of Neurology I.C., Sleep Research Center

Staff Research Medical Specialist on “Sleep, Learning and Mental Retardation”, and on “Neurophysiological Study of Clinical and Experimental Models of Mental Retardation”

**SCIENTIFIC ACTIVITY**

**1. Italian Association of Neuropediatrics, Italy**

**2013**

Professor of the Intensive Pediatric EEG Medicine Course

**2. Università Pablo de Olavide, Siviglia, Spagna,**

**Since 2012**

Professor of Sexta edición del Master on line en Sueño: Fisiología y Medicina, “Tema 10. Insomnio en la infancia y en el adolescente”

**3.University of Rome “La Sapienza”, Pediatrics, Sleep Disease Centre,  
Sant'Andrea Hospital, II Faculty of Medicine, Italy  
2010 - 2012**

Professor of the Pediatrics Sleep Medicine Course

**4. Beck Institute for Cognitive Behavior Therapy, Rome 2010 - 2012**

Professor of Cognitive Behavior Therapy Training (4<sup>th</sup> year)

**5.Italian Association of Sleep Medicine, Bertinoro, Italy 2006 - 2010**

Professor of the 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> Intensive Sleep Medicine Course

**6.University of Rome “La Sapienza”, Polo Pontino, Department of  
Developmental Neuropsychiatry (Italy) 2003 - 2006**

Professor of the Developmental Neuropsychiatry course: “ Anatomy and Physiology of the Nervous System”

**7. Italian Association of Sleep Medicine, 11/2002, 3/2004 and 5/2005  
Italian Society of Pediatrics, Rome, Italy**

Professor of the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>r</sup> Intensive Pediatric Sleep Medicine Course

**Awards:** Winner Hospes Sueños 2007 International Award: Second Position:  
Publication Title: NREM Sleep Instability is Reduced in Children With Attention-Deficit/ Hyperactivity Disorder.

## SCIENTIFIC PUBLICATIONS

### 1. ORIGINAL MANUSCRIPTS ON INTERNATIONAL JOURNALS

Carducci F, Onorati P, Condoluci C, Di Gennaro G, Quarato PP, Pierallini A, Sarà M, Miano S, Cornia R, Albertini G. Whole-brain voxel-based morphometry study of children and adolescents with Down syndrome. *Funct Neurol*. 2013 Jan-Mar;28(1):19-28.

Miano S, Peraita-Adrados R. Nocturnal frontal lobe epilepsy is often misdiagnosed as sleep disorders in children: a case series. *Rev Neurol*. 2013 Mar 1;56(5):257-267. Spanish, English.

Villa MP, Paolino MC, Castaldo R, Vanacore N, Rizzoli A, Miano S, Del Pozzo M, Montesano M. Sleep clinical record: an aid to rapid and accurate diagnosis of paediatric sleep disordered breathing. *Eur Respir J*. 2013 Jun;41(6):1355-61. doi:10.1183/09031936.00215411.

Cicchetti R, Cascone P, Caresta E, Papoff P, Miano S, Cerasaro C, Ramieri V, Midulla F, Moretti C. Mandibular distraction osteogenesis for neonates with Pierre Robin sequence and airway obstruction. *J Matern Fetal Neonatal Med*. 2012 Oct;25 Suppl 4:141-3. doi: 10.3109/14767058.2012.715011.

Babiloni C, Stella G, Buffo P, Vecchio F, Onorati P, Muratori C, Miano S, Gheller F, Antonaci L, Albertini G, Rossini PM. Cortical sources of resting state EEG rhythms are abnormal in dyslexic children. *Clin Neurophysiol*. 2012 Dec;123(12):2384-91. doi: 10.1016/j.clinph.2012.05.002.

Parisi P, Villa MP, Donfrancesco R, Miano S, Paolino MC, Cortese S. Could treatment of iron deficiency both improve ADHD and reduce cardiovascular risk during treatment with ADHD drugs? *Med Hypotheses*. 2012 Aug;79(2):246-9. doi: 10.1016/j.mehy.2012.04.049.

Miano S, Parisi P, Villa MP. The sleep phenotypes of attention deficit hyperactivity disorder: the role of arousal during sleep and implications for treatment. *Med Hypotheses*. 2012 Aug;79(2):147-53. doi: 10.1016/j.mehy.2012.04.020.

Miano S, Castaldo R, Ferri R, Peraita-Adrados R, Paolino MC, Montesano M, Villa MP. Sleep cyclic alternating pattern analysis in infants with apparent

life-threatening events: a daytime polysomnographic study. *Clin Neurophysiol.* 2012 Jul;123(7):1346-52. doi: 10.1016/j.clinph.2011.11.261

Villa MP, Miano S, Rizzoli A. Mandibular advancement devices are an alternative and valid treatment for pediatric obstructive sleep apnea syndrome. *Sleep Breath.* 2012 Dec;16(4):971-6. doi: 10.1007/s11325-011-0595-9.

Villa MP, Rizzoli A, Miano S, Malagola C. Efficacy of rapid maxillary expansion in children with obstructive sleep apnea syndrome: 36 months of follow-up. *Sleep Breath.* 2011 May;15(2):179-84. doi: 10.1007/s11325-011-0505-1.

Parisi P, Verrotti A, Paolino MC, Miano S, Urbano A, Bernabucci M, Villa MP. Cognitive profile, parental education and BMI in children: reflections on common neuroendocrinobiological roots. *J Pediatr Endocrinol Metab.* 2010 Nov;23(11):1133-41.

Villa MP, Ianniello F, Tocci G, Evangelisti M, Miano S, Ferrucci A, Ciavarella GM, Volpe M. Early cardiac abnormalities and increased C-reactive protein levels in a cohort of children with sleep disordered breathing. *Sleep Breath.* 2012 Mar;16(1):101-10. doi: 10.1007/s11325-010-0462-0

Montesano M, Miano S, Paolino MC, Massolo AC, Ianniello F, Forlani M, Villa MP. Autonomic cardiovascular tests in children with obstructive sleep apnea syndrome. *Sleep.* 2010 Oct;33(10):1349-55.

Peraita-Adrados R, García-Peñas JJ, Ruiz-Falcó L, Gutiérrez-Solana L, López-Esteban P, Vicario JL, Miano S, Aparicio-Meix M, Martínez-Sopena MJ. Clinical, polysomnographic and laboratory characteristics of narcolepsy-cataplexy in a sample of children and adolescents. *Sleep Med.* 2011 Jan;12(1):24-7. doi: 10.1016/j.sleep.2010.02.017.

Miano S, Bachiller C, Gutiérrez M, Salcedo A, Villa MP, Peraita-Adrados R. Paroxysmal activity and seizures associated with sleep breathing disorder in children: a possible overlap between diurnal and nocturnal symptoms. *Seizure.* 2010 Nov;19(9):547-52. doi: 10.1016/j.seizure.2010.07.015.

Miano S, Peraita-Adrados R, Montesano M, Castaldo R, Forlani M, Villa MP. Sleep cyclic alternating pattern analysis in healthy children during the first year of life: a daytime polysomnographic study. *Brain Dev.* 2011 May;33(5):421-7.

doi: 10.1016/j.braindev.2010.07.008.

Donfrancesco R, Miano S, Martines F, Ferrante L, Melegari MG, Masi G. Bipolar disorder co-morbidity in children with attention deficit hyperactivity disorder. *Psychiatry Res.* 2011 Apr 30;186(2-3):333-7. doi: 10.1016/j.psychres.2010.07.008.

Donfrancesco R, Iozzino R, Caruso B, Ferrante L, Mugnaini D, Talamo A, Miano S, Dimitri A, Masi G. Is season of birth related to developmental dyslexia? *Ann Dyslexia.* 2010 Dec;60(2):175-82. doi: 10.1007/s11881-010-0037-6

Miano S, Paolino MC, Urbano A, Parisi P, Massolo AC, Castaldo R, Villa MP. Neurocognitive assessment and sleep analysis in children with sleep-disordered breathing. *Clin Neurophysiol.* 2011 Feb;122(2):311-9. doi: 10.1016/j.clinph.2010.06.019.

Miano S, Bruni O, Aricò D, Elia M, Ferri R. Polysomnographic assessment of sleep disturbances in children with developmental disabilities and seizures. *Neurol Sci.* 2010 Oct;31(5):575-83. doi: 10.1007/s10072-010-0291-8.

Bruni O, Novelli L, Miano S, Parrino L, Terzano MG, Ferri R. Cyclic alternating pattern: A window into pediatric sleep. *Sleep Med.* 2010 Aug;11(7):628-36. doi: 10.1016/j.sleep.2009.10.003

Parisi P, Bruni O, Pia Villa M, Verrotti A, Miano S, Luchetti A, Curatolo P. The relationship between sleep and epilepsy: the effect on cognitive functioning in children. *Dev Med Child Neurol.* 2010 Sep;52(9):805-10. doi: 10.1111/j.1469-8749.2010.03662.x.

Miano S, Ferri R. Epidemiology and management of insomnia in children with autistic spectrum disorders. *Paediatr Drugs.* 2010 Apr 1;12(2):75-84. doi: 10.2165/11316140-000000000-00000.

Miano S, Paolino MC, Castaldo R, Villa MP. Visual scoring of sleep: A comparison between the Rechtschaffen and Kales criteria and the American Academy of Sleep Medicine criteria in a pediatric population with obstructive sleep apnea syndrome. *Clin Neurophysiol.* 2010 Jan;121(1):39-42. doi: 10.1016/j.clinph.2009.09.016.

Parisi P, Miano S, Mei D, Paolino MC, Castaldo R, Villa MP. Diffuse subcortical band heterotopia, periodic limb movements during sleep and a novel

"de novo" mutation in the DCX gene. *Brain Dev.* 2010 Jun;32(6):511-5. doi: 10.1016/j.braindev.2009.06.007.

Miano S, Paolino MC, Peraita-Adrados R, Montesano M, Barberi S, Villa MP. Prevalence of EEG paroxysmal activity in a population of children with obstructive sleep apnea syndrome. *Sleep.* 2009 Apr;32(4):522-9.

Miano S, PiaVilla M, Blanco D, Zamora E, Rodriguez R, Ferri R, Bruni O, Peraita-Adrados R. Development of NREM sleep instability-continuity (cyclic alternating pattern) in healthy term infants aged 1 to 4 months. *Sleep.* 2009 Jan;32(1):83-90.

Miano S, Parisi P, Pelliccia A, Luchetti A, Paolino MC, Villa MP. Melatonin to prevent migraine or tension-type headache in children. *Neurol Sci.* 2008 Sep;29(4):285-7. doi: 10.1007/s10072-008-0983-5.

Rizzoli A, Urschitz MS, Sautermeister J, Miano S, Pagani J, Villa MP, Poets CF. Pulse transit time for scoring subcortical arousal in infants with obstructive sleep apnea. *Sleep Breath.* 2009 May;13(2):137-46. doi: 10.1007/s11325-008-0224-4..

Donfrancesco R, Gregori P, Vulcano A, Candelori E, Ronchetti R, Miano S, Pagani J, Villa MP, Patti AM. Borna disease virus infection in children with psychiatric disorders. *APMIS Suppl.* 2008:80-2.

Miano S, Rizzoli A, Evangelisti M, Bruni O, Ferri R, Pagani J, Villa MP. NREM sleep instability changes following rapid maxillary expansion in children with obstructive apnea sleep syndrome. *Sleep Med.* 2009 Apr;10(4):471-8. doi: 10.1016/j.sleep.2008.04.003.

Miano S, Bruni O, Elia M, Scifo L, Smerieri A, Trovato A, Verrillo E, Terzano MG, Ferri R. Sleep phenotypes of intellectual disability: a polysomnographic evaluation in subjects with Down syndrome and Fragile-X syndrome. *Clin Neurophysiol.* 2008 Jun;119(6):1242-7. doi: 10.1016/j.clinph.2008.03.004.

Bruni O, Ferri R, Novelli L, Finotti E, Miano S, Guilleminault C. NREM sleep instability in children with sleep terrors: the role of slow wave activity interruptions. *Clin Neurophysiol.* 2008 May;119(5):985-92. doi: 10.1016/j.clinph.2008.01.015.

Villa MP, Pagani J, Miano S. [Insomnia from neonatal age to adolescence].

Minerva Pediatr. 2007 Oct;59(5):492-3. Italian.

Miano S, Bruni O, Elia M, Trovato A, Smerieri A, Verrillo E, Roccella M, Terzano MG, Ferri R. Sleep in children with autistic spectrum disorder: a questionnaire and polysomnographic study. *Sleep Med.* 2007 Dec;9(1):64-70.

Parisi P, Bruni O, Pia Villa M, Verrotti A, Miano S, Luchetti A, Curatolo P. The relationship between sleep and epilepsy: the effect on cognitive functioning in children. *Dev Med Child Neurol.* 2010 Sep;52(9):805-10. doi: 10.1111/j.1469-8749.2010.03662.x.

Miano S, Ferri R. Epidemiology and management of insomnia in children with autistic spectrum disorders. *Paediatr Drugs.* 2010 Apr 1;12(2):75-84. doi: 10.2165/11316140-000000000-00000.

Miano S, Paolino MC, Castaldo R, Villa MP. Visual scoring of sleep: A comparison between the Rechtschaffen and Kales criteria and the American Academy of Sleep Medicine criteria in a pediatric population with obstructive sleep apnea syndrome. *Clin Neurophysiol.* 2010 Jan;121(1):39-42. doi: 10.1016/j.clinph.2009.09.016.

Parisi P, Miano S, Mei D, Paolino MC, Castaldo R, Villa MP. Diffuse subcortical band heterotopia, periodic limb movements during sleep and a novel "de novo" mutation in the DCX gene. *Brain Dev.* 2010 Jun;32(6):511-5. doi: 10.1016/j.braindev.2009.06.007.

Miano S, Paolino MC, Peraita-Adrados R, Montesano M, Barberi S, Villa MP. Prevalence of EEG paroxysmal activity in a population of children with obstructive sleep apnea syndrome. *Sleep.* 2009 Apr;32(4):522-9.

Miano S, PiaVilla M, Blanco D, Zamora E, Rodriguez R, Ferri R, Bruni O, Peraita-Adrados R. Development of NREM sleep instability-continuity (cyclic alternating pattern) in healthy term infants aged 1 to 4 months. *Sleep.* 2009 Jan;32(1):83-90.

Miano S, Parisi P, Pelliccia A, Luchetti A, Paolino MC, Villa MP. Melatonin to prevent migraine or tension-type headache in children. *Neurol Sci.* 2008 Sep;29(4):285-7. doi: 10.1007/s10072-008-0983-5.



Rizzoli A, Urschitz MS, Sautermeister J, Miano S, Pagani J, Villa MP, Poets CF. Pulse transit time for scoring subcortical arousal in infants with obstructive sleep apnea. *Sleep Breath*. 2009 May;13(2):137-46. doi: 10.1007/s11325-008-0224-4.

Donfrancesco R, Gregori P, Vulcano A, Candelori E, Ronchetti R, Miano S, Pagani J, Villa MP, Patti AM. Borna disease virus infection in children with psychiatric disorders. *APMIS Suppl*. 2008;(124):80-2.

Miano S, Rizzoli A, Evangelisti M, Bruni O, Ferri R, Pagani J, Villa MP. NREM sleep instability changes following rapid maxillary expansion in children with obstructive apnea sleep syndrome. *Sleep Med*. 2009 Apr;10(4):471-8. doi: 10.1016/j.sleep.2008.04.003.

Miano S, Bruni O, Elia M, Scifo L, Smerieri A, Trovato A, Verrillo E, Terzano MG, Ferri R. Sleep phenotypes of intellectual disability: a polysomnographic evaluation in subjects with Down syndrome and Fragile-X syndrome. *Clin Neurophysiol*. 2008 Jun;119(6):1242-7. doi: 10.1016/j.clinph.2008.03.004.

Bruni O, Ferri R, Novelli L, Finotti E, Miano S, Guilleminault C. NREM sleep instability in children with sleep terrors: the role of slow wave activity interruptions. *Clin Neurophysiol*. 2008 May;119(5):985-92. doi: 10.1016/j.clinph.2008.01.015.

Villa MP, Pagani J, Miano S. [Insomnia from neonatal age to adolescence]. *Minerva Pediatr*. 2007 Oct;59(5):492-3. Italian. PubMed PMID: 17947886.

Miano S, Bruni O, Elia M, Trovato A, Smerieri A, Verrillo E, Roccella M, Terzano MG, Ferri R. Sleep in children with autistic spectrum disorder: a questionnaire and polysomnographic study. *Sleep Med*. 2007 Dec;9(1):64-70.

Kheirandish-Gozal L, Miano S, Bruni O, Ferri R, Pagani J, Villa MP, Gozal D. Reduced NREM sleep instability in children with sleep disordered breathing. *Sleep*. 2007 Apr;30(4):450-7.

Miano S, Donfrancesco R, Bruni O, Ferri R, Galiffa S, Pagani J, Montemitro E, Kheirandish L, Gozal D, Pia Villa M. NREM sleep instability is reduced in children with attention-deficit/hyperactivity disorder. *Sleep*. 2006 Jun;29(6):797-803.

Ferri R, Bruni O, Miano S, Plazzi G, Spruyt K, Gozal D, Terzano MG. The time

structure of the cyclic alternating pattern during sleep. *Sleep*. 2006 May;29(5):693-9.

Ferri R, Miano S, Bruni O, Vankova J, Nevsimalova S, Vandi S, Montagna P, Ferini-Strambi L, Plazzi G. NREM sleep alterations in narcolepsy/cataplexy. *Clin Neurophysiol*. 2005 Nov;116(11):2675-84.

Ferri R, Zucconi M, Manconi M, Bruni O, Miano S, Plazzi G, Ferini-Strambi L. Computer-assisted detection of nocturnal leg motor activity in patients with restless legs syndrome and periodic leg movements during sleep. *Sleep*. 2005 Aug 1;28(8):998-1004.

Miano S, Bruni O, Elia M, Musumeci SA, Verrillo E, Ferri R. Sleep breathing and periodic leg movement pattern in Angelman Syndrome: a polysomnographic study. *Clin Neurophysiol*. 2005 Nov;116(11):2685-92

## *2.ABSTRACTs ON INTERNATIONAL JOURNALS*

Miano S, Peraita-Adrados R (2012). Nocturnal frontal lobe epilepsy is often misdiagnosed as sleep disorders in children: a case series. *JOURNAL OF SLEEP RESEARCH*, vol. 21, p. 234, ISSN: 0962-1105

Miano S, Tabarrini A, Vitelli O, Mazzotta AR, Castaldo R, Biagiarelli F, Villa MP (2012). The co-occurrence of interictal discharges and nocturnal seizures in children with sleep-disordered breathing. *JOURNAL OF SLEEP RESEARCH*, vol. 21, p. A292, ISSN: 0962-1105

Miano S, Ianniello F, Crescenzi A, Paolino A, Castaldo R, Forlani M, Villa M (2010). Neurocognitive evaluation and sleep analysis in children with sleep disordered breathing. *JOURNAL OF SLEEP RESEARCH*, vol. 19, p. 298, ISSN: 0962-1105

Ianniello F, Miano S, Paolino M, Crescenzi A, Castaldo R, Bonafoni S, Villa M (2010). Adenotonsillectomy treatment for paediatric obstructive sleep apnoea syndrome: a follow-up study *JOURNAL OF SLEEP RESEARCH*, vol. 19, p. 298, ISSN: 0962-1105

Ianniello F, Evangelisti M, Tocci G, Miano S, Castaldo R, La Penna F, Volpe M, Villa M (2010). Cardiac functions in children with sleep-disordered breathing and Obesity. *JOURNAL OF SLEEP RESEARCH*, vol. 19, p. 298, ISSN: 0962-1105

Miano S, Montesano M, Bonafoni S, La Penna F, Cecili M, Villa M (2010). Development of NREM sleep instability-continuity (cyclic alternating pattern) in healthy term infants aged 518 months. JOURNAL OF SLEEP RESEARCH, vol. 19, p. 206, ISSN: 0962-1105

Miano S, Bruni O, Arico` D, Elia M, Ferri R (2010). Polysomnographic assessment of sleep disturbances in children with ID. JOURNAL OF APPLIED RESEARCH IN INTELLECTUAL DISABILITIES, vol. 23, p. 525, ISSN: 1360-2322

Peraita Adrados R, Bachiller C, Gutierrez M, Salcedo A, Miano S (2008). Centro-temporal and rolandic spikes associated with OSAHS UARS in children: a clinical overlap of diurnal and nocturnal symptoms JOURNAL OF SLEEP RESEARCH, vol. 17, p. 147, ISSN: 0962-1105

Pagani J, Miano S, Rizzoli A, Crescenzi A, Farina L, Del Pozzo M, Villa MP (2008). A 6-month open-label study to assess the safety and effectiveness of nCPAP treatment in children of 30kg with obstructive sleep apnea syndrome (OSAS). JOURNAL OF SLEEP RESEARCH, vol. 17, p. 131-132 ISSN: 0962-1105

Miano S, Rizzoli A, Paolino MC, Massolo AC, Montemitro E, Pagani J, Villa MP (2008). Analysis of cyclic alternating pattern in children with obstructive apnea syndrome treated with rapid maxillary expansion for 12 months. JOURNAL OF SLEEP RESEARCH, vol. 17, p. 131, ISSN: 0962-1105

Miano S, Villa MP, Blanco D, Zamora E, Rodriguez E, Ferri R, Bruni O and Peraita Adrados R (2008). The scoring of cyclic alternating pattern in healthy term infants (between 1 and 4 months of age) JOURNAL OF SLEEP RESEARCH, vol. 17, p. 124, ISSN: 0962-1105

S. Miano, M. P. Villa, D. Blanco, E. Zamora, R. Rodriguez, R. Ferri, O. Bruni, R. Peraita-Adrados (2008). The scoring of cyclic alternating pattern in healthy term infants (between 1 and 4 months of age). JOURNAL OF SLEEP RESEARCH, In: - . 2008-dec, vol. 17, p. 124, ISSN: 0962-1105

Miano S, Pelliccia, A, Bernabucci M, Filippini F, Pagani J, Villa MP (2007). The role of continuous positive airways pressure therapy on the pathogenesis of sleep-related frontal lobe epilepsy in a child with obstructive sleep apnea syndrome. SLEEP MEDICINE, vol. 8, p. S107, ISSN: 1389-9457

Miano S, Parisi P, Pelliccia A, Luchetti A, Paolino MC, Villa MP (2007). Melatonin, 3 mg, is an effective and alternative prophylactic treatment for headache prevention in a pediatric population. SLEEP MEDICINE, vol. 8, p. S107, ISSN: 1389-9457

Kheirandish L, Miano S, Ferri R, Bruni O, Gozal D (2005). Cyclic Alternating pattern (CAP) characteristics in children with Sleep Disordered Breathing (SDB). SLEEP, vol. 28, p. A77, ISSN 0161-8105

Plazzi G, Miano S, Bruni O, Vankova J, Nevsimalova S, Vandi S, Vignatelli L, Montagna P, Ferri R (2005). N-REM-sleep alterations in narcolepsy/cataplexy. SLEEP MEDICINE, vol. 6, p. 128, ISSN 1389-9457

Bruni O, Ferri R, Miano S, Verrillo E (2005). Sleep structure in genetically determined mental retardation. SLEEP MEDICINE, vol. 6, p. S35, ISSN: 1389-9457

Ferri R, Bruni O, Miano S, Plazzi G, Terzano MG (2005). EEG Power Spectral Analysis of the Cyclic Alternating Pattern in Normal Subjects. SLEEP MEDICINE, vol. 6, p. S101-S102, ISSN: 1389-9457

Ferri R, Bruni O, Miano S, Cosentino FI, Iero I, Lanuzza B, Tripodi M, Terzano MG (2004). Scalp Topographic Mapping and Cortical Generators of the "Cyclic Alternating Pattern" (CAP). SLEEP, vol. 27, p. A39, ISSN: 0161-8105

Bruni O, Miano S, Ferri R, Smerieri A, Parrino L, Verrillo E, Farina B, Terzano MG (2004). Cyclic Alternating Pattern In Normal Preschool-Age Children. SLEEP, vol. 27, p. A89, ISSN: 0161-8105

Ferri R, Bruni O, Miano S, Terzano MG (2004). Topographic mapping of the Cyclic Alternating Pattern. JOURNAL OF SLEEP RESEARCH, vol. 13, p. 227, ISSN: 0962-1105

Miano S, Ferri R, Elia M, Bruni O, Smerieri A, Terzano MG (2004). Comprehensive sleep investigation in children and adolescents with autism by means of questionnaires, actigraphy and polysomnography. JOURNAL OF SLEEP RESEARCH, vol. 13, p. 499, ISSN: 0962-1105

O. Bruni, S. Miano, R. Ferri, A. Smerieri, L. Parrino, E. Verrillo, B. Farina, M. Terzano (2004). Sleep cyclic alternating pattern in normal preschool-age children. SLEEP, In: -. 2004, vol. 27, p. 89, ISSN:0161-8105

O. Bruni, S. Miano, M. Elia, E. Verrillo, R. Ferri (2004). Sleep disorders and sleep patterns in Angelman Syndrome (AS). JOURNAL OF INTELLECTUAL DISABILITY RESEARCH, In: -. 2004-jun, vol. 48, p. 350, ISSN: 0964-2633

Bruni O, Ferri R, Villa MP, Miano S, Verrillo E, Ambrosio R, Terzano MG (2003). Cyclic alternating pattern in obstructive sleep apnea in children. SLEEP, vol. 26, p. A131-132, ISSN: 0161-8105

Bruni O, Leuzzi V, Miano S, Verrillo E, Loizzo A, Galiffa S, Vittori E, Ottaviano S (2002). Polysomnographic patterns in Angelman Syndrome. SLEEP, vol. 25, p. A493-A494, ISSN: 0161-8105

Bruni O, Lezzi V, Verrillo E, Loizzo AL, Miano S, Vittori E, Ottaviano S (2002). Sleep-wake pattern and sleep architecture in a case of childhood dopa-responsive dystonia. JOURNAL OF SLEEP RESEARCH, vol. 11, p. 28-29, ISSN: 0962-1105

Bruni O, Ferri R, Della Marca G, Farina B, Miano S, Verrillo E, Mennuni G, Ottaviano S (2001). Analysis of sleep microstructure through cyclic alternating pattern in school age children. SLEEP, vol. 24, p. A210-A211, ISSN: 0161-8105

Bruni O, Canitano R, Miano S, Nobile MS, Ottaviano S (2000). Sleep problems in autistic spectrum disorders. SLEEP, vol. 23, p. A362, ISSN: 0161-8105

Bruni O, Miano S, Verrillo E, Ottaviano S (2000). Treatment of night terrors in children with 5-hydroxytryptophan. JOURNAL OF SLEEP RESEARCH, vol. 9, p. 28, ISSN: 0962-1105

Bruni O, Galli F, Miano S, Verrillo E, Guidetti V (2000). Migraine and sleep apnea in children CEPHALALGIA, vol. 20, p. A308, ISSN: 0333-1024

BRUNI O, OTTAVIANO S, MIANO S, GUIDETTI V (1999). Sleep architecture and sleep disorders in nocturnal and diurnal childhood migraine. SLEEP, vol. 22, p. 310, ISSN: 0161-8105

Bruni O, Ottaviano S, Miano S, G (1999). Sleep Architecture and Sleep Disorders in Nocturnal and Diurnal Childhood Migraine. SLEEP, vol. 22, p. C510.L, ISSN: 0161-8105

### *3. BOOK CHAPTERS (IN ENGLISH)*

Villa MP, Miano S (2012). Mandibular Advancement Devices. In: Sleep Disordered Breathing in Children A Comprehensive Clinical Guide to Evaluation and Treatment p. 542-551, New York; Heidelberg:Humana Press (subsidiary of Springer Science+Business Media Deutschland GmbH since 2006), ISBN: 978-1-60761-724-2

Villa MP, Rizzoli A, Miano S, Malagola C (2012). Efficacy of rapid maxillary expansion in children with obstructive sleep apnea syndrome: 36 months of follow-up.. In: Best of Sleep Medicine 2012 An annual collection of scientific literature. p. 87, CreateSpace Independent Publishing Platform, ISBN: 978-1477445624

Ferri R, O. Bruni, Miano S, Terzano MG (2005). Scalp Topography and Cortical Generators of the Spectral Components of the "Cyclic Alternating Pattern" (CAP).. In: C. GUILLEMINAULT ED.. Handbook of Clinical Neurophysiology, Sleep Disorders. vol. 6, p. 95-101, Amsterdam:Elsevier, doi: 10.1016/S1567-4231(09)70034-6

Bruni O, Miano S, Verrillo E, Galiffa S, Ottaviano S (2002). Awakenings in school age children . In: SALZARULO P AND FICCA G EDS . Awakening and Sleep-Wake cycle across development . p. 115-130, Amsterdam:John Benjamins Publishing

#### *4. BOOK CHAPTERS (IN ITALIAN)*

Bruni O, Verrillo E, Miano S (2006). Disturbi del sonno in età pediatrica. In: Neuropsichiatria dell'infanzia e adolescenza. Approfondimenti. p. 229-247, BOLOGNA:Il Mulino

Bruni O, Verrillo E, Galiffa S, Miano S, Vittori E, Guidetti V (2002). Cefalee e disturbi del sonno. In Guidetti V, Lanzi G, Levi G. La testa che duole. Le cefalee del bambino e dell'adolescente. p. 115-127, ROMA:Carocci Editore

Miano S (2000). Funzioni del sonno. In: Bruni O. Principi di medicina del sonno in età evolutiva. p 35-38

Author of numerous contributions of abstract book of National Congress (such as Italian Association of Sleep Medicine, Italian Association of Developmental Neurology and Psychiatry, Italian Pediatric Respiratory Society)

## CONFERENCES/CONGRESSES

### *1. Speaker/Invited Speaker:*

[1] "The sleep phenotypes and therapeutic options for ADHD", Hot Topic Symposium "Vigilance regulation model of ADHD and affective disorders" 4th World Congress on ADHD From childhood to Adult disease, Milan, 6-9 June 2013

[2] "Morbidity associated with obstructive SDB in childhood and treatment strategies", Consensus Statement on the Diagnosis and Treatment of OSA in Childhood, Private Meeting, Annual Congress European Research Society, Vienna, 1-5 September 2012

[3] "Pediatric OSAS and Epilepsy", Invited lecture, X World Congress of Sleep Apnea, Roma, 27 August – 1 September 2012

[4] "Associated morbidity and treatment of pediatric OSA", Consensus Statement on the Diagnosis and Treatment of OSA in Childhood, Private Meeting, Annual Congress European Research Society, Amsterdam, 24-28 September 2011

[5] "The interaction between sleep instability and cognitive functions in children with ADHD", Symposium "The contribution of sleep disorders and sleep structure to the neurobehavioral profile of ADHD", Congress of the International Pediatric Sleep Association joint meeting with Pediatric Sleep Medicine Conference, Rome, 3-5 December 2010

[6] "Sleep architecture in autistic children with mental retardation"; symposium: "Sleep in children with autistic spectrum disorder", 22nd Annual Meeting of the Associated Professor Sleep Societies Conference, Baltimore, 7-12 June 2008

### *2. Oral presentation:*

[1] "Sleep Cyclic Alternating Pattern Analysis in children with Apparent Life-Threatening Events, XX Reunión anual de la Sociedad Española del Sueño, Sevilla, 10-12 March 2011.

[2] "Sleep disorders and sleep patterns in Angelman syndrome", 12th IASSID WORLD CONGRESS, Montpellier, 14-19 June 2004

[3] "Treatment of sleep terrors in children with L-5-hydroxytryptophan", 13th Meeting of the European Paediatric Sleep Club, Roma, 22-23 November 2003

### *3. Poster presentation:*

[1] "Nocturnal frontal lobe epilepsy is often misdiagnosed as sleep disorders in children: a case series" , 21<sup>st</sup> Congress of the European Sleep Research Society, Paris, 4-8 September 2012

- [2] "The co-occurrence of interictal discharges and nocturnal seizures in children with sleep disordered breathing", 21st Congress of the European Sleep Research Society, Paris, 4-8 September 2012
- [3] "Polysomnographic assessment of sleep disturbances in children with ID", Third International Conference of IASSID-Europe, Roma, 20-22 October 2010.
- [4] "Neurocognitive evaluation and sleep analysis in children with sleep disordered breathing", 20th Congress of the European Sleep Research Society, Lisbon, 14-18 September 2010
- [5] "Development of NREM sleep instability-continuity (cyclic alternating pattern) in healthy term infants aged 518 months", 20th Congress of the European Sleep Research Society, Lisbon, 14-18 September 2010
- [6] "Analysis of Cyclic Alternating Pattern in Children with Obstructive Apnea Syndrome Treated with Rapid Maxillary Expansion for 12 months", 19th Congress of the European Sleep Research Society, Glasgow, 9-13 September 2008
- [7] "The scoring of cyclic alternating pattern in healthy term infants (between 1 and 4 months of age)", 19<sup>th</sup> Congress of the European Sleep Research Society, Glasgow Glasgow, 9-13 September 2008
- [8] "Sleep investigations in children with autism by questionnaires, actigraphic and polysomnographic (PSG) evaluation", 17th Congress of the European Sleep Research Society, Prague, 5-8 October 2004

Author of numerous poster presentations, speaker, invited speaker at Italian Congress (such as Italian Association of Sleep Medicine, Italian Association of Pediatrics, Italian Association of Neuropediatrics, Italian Pediatric Respiratory Society)

Reviewer for numerous international journals such as Sleep, Journal of Clinical Sleep Medicine, Sleep Medicine, Journal of Attention Disorders

Member of the European Respiratory Society Task Force for Paediatric Sleep Apnea (Diagnosis and Management).

Member of Task Force –Diagnosis and management of obstructive sleep-disordered breathing in childhood, European Respiratory Society (to 2012 to 2014)