

CV Breve

(01 junio 2018)

Dr Antonio Muñoz Hoyos

Datos personales:

Médico Especialista en Pediatría

(Colegio de Oficial de Médicos de Granada, col. nº 2530)

E-mail: amunozh@ugr.es

<http://www.ugr.es/~pwpedia/index.php>

Número de sexenios de investigación reconocidos por la CNEAI: 5

Puesto actual y dirección:

Director de la Unidad de Gestión Clínica de Pediatría. Hospital Universitario San Cecilio

Director del Departamento de Pediatría de la Facultad de Medicina. Universidad de Granada.

Catedrático de Pediatría. Facultad de Medicina. Universidad de Granada

Director del Grupo de Investigación CTS-190 (Plan Andaluz de Investigación)

Puestos anteriores y educación:

Presidente de la Sociedad de Pediatría de Andalucía Oriental

Vicedecano del Profesorado, Facultad de Medicina, Universidad de Granada

Vicepresidente de la Sociedad Española de Pediatría Social.

Responsable de Investigación de la Sociedad Española de Pediatría Social.

Vocal del Comité de Ética de Investigación Clínica, Hospital Universitario San Cecilio

Presidente del Comité de Humanización (Hospital Universitario San Cecilio)

Profesor Titular en la Facultad de Medicina, Universidad de Granada.

Pediatra en el Hospital Clínico San Cecilio, Granada (FEA)

Pediatra EBAP, Servicio Andaluz de Salud

Pediatra en el Servicio de Pediatría del Hospital Clínico San Cecilio de Granada; y Profesor

Ayudante colaborador en la Facultad de Medicina, Universidad de Granada, Granada, España

MIR de Pediatría en el Hospital Clínico San Cecilio de Granada

Licenciado y Doctor en Medicina y Cirugía, Universidad de Granada.

Miembro de las siguientes sociedades científicas:

Asociación Española de Pediatría

Miembro de Honor de la Sociedad Española de Pediatría Social

Academia de Medicina de New York

International Pediatric Association

Revisor para agencias financiadoras de proyectos de investigación:

Agencia Nacional de Evaluación y Prospectiva (ANEP), Gobierno de España

Fondo de Investigación Sanitaria (FIS), Instituto de Salud Carlos III, Gobierno de España

Institut Thématique en Santé Publique Pôle Recherche Clinique. París.

Publicaciones en revistas:

Ha publicado unos 200 artículos en revistas nacionales y 85 en revistas internacionales indexadas (Impacto medio: 2.3). Factor H: 25. Citamos algunas de las publicaciones más recientes (otras, además, se pueden encontrar en Pub Med) <http://www.ncbi.nlm.nih.gov/sites/entrez>)

Neuroprotective effect of sevoflurane in general anaesthesia. Ramos Ramos V, Mesa Suárez P, Santotoribio JD, González García MÁ, Muñoz Hoyos A. *Med Clin (Barc)*. 2017 Feb 23;148(4):158-160.

BDNF concentrations and daily fluctuations differ among ADHD children and respond differently to methylphenidate with no relationship with depressive symptomatology. Cubero-Millán I, Ruiz-Ramos MJ, Molina-Carballo A, Martínez-Serrano S, Fernández-López L, Machado-Casas I, Tortosa-Pinto P, Ruiz-López A, Luna-Del-Castillo JD, Uberos J, Muñoz-Hoyos A. *Psychopharmacology (Berl)*. 2017 Jan;234(2):267-279.

Radiofrequency exposure in the Neonatal Medium Care Unit. Calvente I, Vázquez-Pérez A, Fernández MF, Núñez MI, Muñoz-Hoyos A. *Environ Res*. 2017 Jan;152:66-72.

Prevention of syncytial respiratory virus infection with palivizumab. Descriptive and comparative analysis after 12 years of use. Narbona-Lopez E, Uberos J, Checa-Ros A, Rodriguez-Belmonte R, Muñoz-Hoyos A. *Minerva Pediatr*. 2016 Sep 6. [Epub ahead of print]

[Self-medication, self-prescription and medicating «by proxy» in paediatrics]. Valenzuela Ortiz M, Sánchez Ruiz-Cabello FJ, Uberos J, Checa Ros AF, Valenzuela Ortiz C, Agustín Morales MC, Muñoz Hoyos A. *An Pediatr (Barc)*. 2016 Jul 12. pii: S1695-4033(16)30206-5.

Treatments and compositions for attention deficit hyperactivity disorder: a patent review. Molina-Carballo A, Checa-Ros A, Muñoz-Hoyos A. *Expert Opin Ther Pat*. 2016 Jul;26(7):799-814.

[Brain damage after general anesthesia]. Mesa Suárez P, Santotoribio JD, Ramos Ramos V, González García MÁ, Pérez Ramos S, Portilla Huertas D, Muñoz Hoyos A. *Med Clin (Barc)*. 2016 May 6;146(9):384-8.

[Nutritional assessment of the menus served in municipal nursery schools in Granada]. Seiquer I, Haro A, Cabrera-Vique C, Muñoz-Hoyos A, Galdó G. *An Pediatr (Barc)*. 2016 Oct;85(4):197-203.

Methylphenidate ameliorates depressive comorbidity in ADHD children without any modification on differences in serum melatonin concentration between ADHD subtypes. Cubero-Millán I, Molina-Carballo A, Machado-Casas I, Fernández-López L, Martínez-Serrano S, Tortosa-Pinto P, Ruiz-López A, Luna-del-Castillo JD, Uberos J, Muñoz-Hoyos A. *Int J Mol Sci*. 2014 Sep 25;15(9):17115-29.

Differential responses of two related neurosteroids to methylphenidate based on ADHD subtype and the presence of depressive symptomatology. Molina-Carballo A, Justicia-Martínez F, Moreno-Madrid F, Cubero-Millán I, Machado-Casas I, Moreno-García L, León J, Luna-Del-Castillo JD, Uberos J, Muñoz-Hoyos A. *Psychopharmacology (Berl)*. 2014 Sep;231(17):3635-45.

Methylphenidate effects on blood serotonin and melatonin levels may help to synchronise biological rhythms in children with ADHD. Molina-Carballo A, Naranjo-Gómez A, Uberos J, Justicia-Martínez F, Ruiz-Ramos MJ, Cubero-Millán I, Contreras-Chova F, Augustin-Morales MD, Khaldy-Belkadi H, Muñoz-Hoyos A. *J Psychiatr Res*. 2013 Mar;47(3):377-83.

Molina-Carballo A, Naranjo-Gómez A, Uberos J, Justicia-Martínez F, Ruiz-Ramos MJ, Cubero-Millán MI, Contreras-Chova F, Augustin-Morales MC, Khaldy-Belkadi H, **Muñoz-Hoyos A**. Methylphenidate effects on blood serotonin and melatonin levels may help to synchronise biological rhythms in children with ADHD. *Journal of Psychiatric Research* 2013; 47:377-383.

Uberos J, Noguerras-Ocaña M, Fernández-Puentes V, Rodríguez-Belmonte R, Narbona-López E, Molina-Carballo A, **Muñoz-Hoyos A**. Cranberry syrup vs trimethoprim in the prophylaxis of recurrent urinary tract infections among children: a controlled trial. *Open Access Journal of Clinical Trials* 2012; 4:31-38.

Uberos J, Fernández-Puentes V, Molina-Oya M, Rodríguez-Belmonte R, Ruiz-López A, Tortosa-Pinto P, Molina-Carballo A, **Muñoz-Hoyos A**. Urinary excretion of phenolic acids by infants and children: A randomised double-blind clinical assay. *Clinical Medicine Insights: Pediatrics* 2012; 6:-67.

Uberos J, Moreno L, **Muñoz-Hoyos A**. Hypertension and Biliary Ductopenia in a Patient with Duplication of Exon 6 of the *JAG1* Gene. *Clinical Medicine Insights: Pediatrics* 2012; 6:61-66.

Chahbouni M, Escames G, López LC, Sevilla B, Doerrier C, **Muñoz-Hoyos A**, Molina-Carballo A, Acuña-Castroviejo D. Melatonin treatment counteracts the hyperoxidative status in erythrocytes of patients suffering from Duchenne muscular dystrophy. *Clinical Biochemistry* 2011; 44:853-858.

Muñoz-Hoyos A, Molina-Carballo A, Augustin-Morales MC, Contreras-Chova F, Naranjo-Gómez A, Justicia-Martínez F, Uberos-Fernández J. Psychological dwarfism: Psychopathological and putative neuroendocrine markers. *Psychiatric Research* 2011; 188:96-101.

Uberos J, Augustin-Morales MC, Molina-Carballo A, Florido-Navío J, Narbona-López E, **Muñoz-Hoyos A**. Normalization of the sleep-wake pattern and aMT and 6-sulphatoxy-melatonin levels after a therapeutic trial with melatonin for children with severe epilepsy. *Journal of Pineal Research* 2011; 50:192-196.

Chahbouni M, Escames G, Venegas C, Sevilla B, García JA, López LC, **Muñoz-Hoyos A**, Molina-Carballo A, Acuña-Castroviejo D. Melatonin treatment normalizes plasma pro-inflammatory cytokines and nitrosative/oxidative stress in patients suffering from Duchenne muscular dystrophy. *Journal of Pineal Research* 2010; 48:282-289.

Uberos J, Molina-Carballo A, Romero González J, **Muñoz-Hoyos A**. Melatonin and elimination of kynurenines in children with Down syndrome. *J.Pediatr.Endocrinol.Metabol.* 2010; 23:277-282.

Uberos J, Molina-Carballo A, Fernández-Puentes V, Rodríguez-Belmonte R, **Muñoz-Hoyos A**. Overweight and obesity as risk factors for the asymptomatic carrier state of *Neisseria meningitidis* among a paediatric population. *Eur.J.Clin.Microbiol.Infect.Dis.* 2010; 29:333-334.

Mesías M, Seiquer I, **Muñoz-Hoyos A**, Galdó G, Navarro MP. The beneficial effect of Mediterranean dietary patterns on dietary iron utilization in male adolescents aged 11-14 years. *International Journal of Food Sciences and Nutrition* 2009; 60:355-368.

Muñoz-Hoyos A, Molina-Carballo A, Uberos J, Contreras-Chova F, Augustin-Morales MC, Ruiz-Alba Gómez M, Galdó-Muñoz G. Serum melatonin concentration in the child with non-organic failure to thrive: Comparison with others types of stress. *Journal of Biological Regulators & Homeostatic Agents* 2009; 23:15-22.

Uberos J, Fernández-García JM, Molina-Carballo A, **Muñoz-Hoyos A**. Effects on the glutathione pool of the insulin-induced hypoglycaemia test. *Journal of Biological Regulators & Homeostatic Agents* 2009; 23:149-154.

Seiquer I, Mesías M, **Muñoz-Hoyos A**, Galdó G, Navarro MP. A mediterranean dietary style improves calcium utilization in healthy male adolescents. *J.Am.Coll.Nutr.* 2008; 27:454-462.

Seiquer I, Ruiz-Roca B, Mesías M, **Muñoz-Hoyos A**, Galdó G, Ochoa JJ, Navarro MP. The antioxidant effect of a diet rich in Maillard reaction products is attenuated after consumption by healthy male adolescents. In vitro and in vivo comparative study. *Journal of the Science of Food and Agriculture* 2008; 88:1245-1252.

Uberos J, Alarcón JA, Peñalver MA, Molina-Carballo A, Ruiz M, Gonzalez E, Castejón J, **Muñoz-Hoyos A**. Influence of the antioxidant content of saliva on dental caries in an at-risk community. *Brit.Dent.J.* 2008; 205:1-4.

Molina-Carballo A, **Muñoz-Hoyos A**, Sánchez-Forte M, Uberos-Fernández J, Moreno-Madrid F, Acuña-Castroviejo D. Melatonin increases following convulsive seizures may be related to its anticonvulsant properties at physiological concentrations. *Neuropediatrics* 2007; 38:122-125.

Molina-Carballo A, Fernández-Tardáguila E, Uberos-Fernández J, Seiquer I, Contreras-Chova F, **Muñoz-Hoyos A**. Longitudinal study of the simultaneous secretion of melatonin and leptin during normal puberty. *Hormone Research* 2007; 68:11-19.

Muñoz-Hoyos A, Espín-Quirantes C, Molina-Carballo A, Uberos-Fernández J, Contreras-Chova F, Narbona-López E, Gutiérrez-Salmerón MJ. Neuroendocrine and circadian aspects (melatonin and β -endorphins) of atopic dermatitis in the child. *Pediatr.Allergy Immunol.* 2007; 18:679-686.

Muñoz-Hoyos A, Bonillo-Perales A, Avila-Villegas R, González-Ripoll Garzón M, Uberos-Fernández J, Florido-Navío J, Molina-Carballo A. Levels of melatonin in the first week of life: its relationship with the antioxidant response in the perinatal period. *Neonatology* 2007; 92:209-216.

Ochoa JJ, Contreras-Chova F, Muñoz S, Araujo-Nepomuceno E, Bonillo A, Molina-Carballo A, **Muñoz-Hoyos A**. Fluidity and oxidative stress in erythrocytes from very low birth weight infants during their first 7 days of life. *Free Radical Research* 2007; 41:1035-1040.

Uberos-Fernández J, Molina-Carballo A, Martínez-Marín L, **Muñoz-Hoyos A**. Urachal cyst: unusual presentation in an adolescent after intense abdominal exercise. *Clinical Journal of Sport Medicine* 2007; 17:160-162.

Uberos-Fernández J, Molina-Carballo A, Galdó-Muñoz G, **Muñoz-Hoyos A**. Total antioxidant capacity of plasma in asymptomatic carrier state of *neisseria meningitidis*. *Epidemiology & Infection* 2007; 135:857-860.

Seiquer I, Lopez-Frias M, **Muñoz-Hoyos A**, Galdó G, Delgado-Andrade C, Mesias M, Navarro MP. Dietary calcium utilization among a group of Spanish boys aged 11-14 years on their usual diets. *J.Physiol.Biochem.* 2006; 62:9-16.

Seiquer I, Díaz-Alguacil J, Delgado-Andrade C, Lopez-Frias M, **Muñoz-Hoyos A**, Galdó G, Navarro MP. Diets rich in Maillard reaction products affect protein digestibility in adolescent males aged 11-14 y. *Am.J.Clin.Nutr.* 2006; 83:1082-1088.

Vázquez-López MA, Molinos Lendínez F, Carmona Leyva M, Carracedo Morales A, Muñoz Vico FJ, López Muñoz J, **Muñoz-Hoyos A**. Serum transferrin receptor in children: usefulness for determining the nature of anemia in infection. *Journal of Pediatric Hematology/Oncology* 2006; 28:809-815.

Vázquez-López MA, Carracedo Morales A, Lendínez-Molinos F, Muñoz FJ, López J, **Muñoz-Hoyos A**. The usefulness of serum transferrin receptor for discriminating iron deficiency without anemia in children. *Haematologica* 2006; 91:264-265.

Jurado D, Muñoz C, Luna JD, **Muñoz-Hoyos A**. Is maternal smoking more determinant than paternal smoking on the respiratory symptoms of young children? *Respiratory Medicine* 2005; 99:1138-1144.

Ruiz-López MJ, Ramírez-Garrido F, Nogueras Ocaña M, **Muñoz-Hoyos A.** Recurrent ureteric fibroepithelial polyp in a child. *European Journal of Pediatrics* 2004; 163:124-125.

Ochoa JJ, Vilchez MJ, Palacios MA, Garcia JJ, Reiter RJ, **Muñoz-Hoyos A.** Melatonin protects against lipid peroxidation and membrane rigidity in erythrocytes from patients undergoing cardiopulmonary bypass surgery. *Journal of Pineal Research* 2003; 35:104-108.

Ochoa JJ, Vilchez MJ, Mataix J, Ibañez-Quiles S, Palacios MA, **Muñoz-Hoyos A.** Oxidative stress in patients undergoing cardiac surgery: Comparative study of revascularization and valve replacement procedures. *Journal of Surgical Research* 2003; 111:248-254.

Ochoa JJ, Vilchez MJ, Ibañez S, Huertas JR, Palacio MA, **Muñoz-Hoyos A.** Oxidative stress is evident in erythrocytes as well as plasma in patients undergoing heart surgery involving cardiopulmonary bypass. *Free Radical Research* 2003; 37:11-17.

Seiquer Gómez-Pavón I, Díaz-Alguacil J, López-Frías M, **Muñoz-Hoyos A,** Galdó-Muñoz G, Navarro-Martos MP. Intake and utilization of dietary protein among a group of adolescent in the province of Granada. *Nutrition* 2003; 19:1047.

Autor/Editor de libros de Pediatría:

Ha sido editor de 12 libros de la especialidad y ha colaborado como autor de distintos capítulos en otros 18.

Destacando entre otros el "Manual de Pediatría Social"

Más recientemente ha sido Co-editor y autor del "Tratado de Pediatría" (Alfonso Delgado). Que se compone de 4 volúmenes.

Dirección de tesis doctorales:

Ha dirigido 85 tesis doctorales, todas ellas calificadas con la máxima calificación. De ellas 12 lo han sido a profesionales que ocupan cargos de responsabilidad (Catedráticos, Profesor Titular, Director de Unidad de Gestión Clínica, Jefes de Servicio y Jefes de Sección). Otras 12 recibieron al finalizar el curso el "Premio Extraordinarios" Calificación que obtienen las mejores tesis del año académico.

Proyectos de Investigación

Ha realizado 20 Proyectos de Investigación con financiación pública y privada (FISS, SAS, PAI, Unversidad de Granada, Etc.).