

Curriculum Vitae

MARISA LAURA ARMENO

Pediatrician, Specialist in Clinical Nutrition.

University of Buenos Aires

1. DEGREES

Medical Doctor, University of Buenos Aires. 2002

Specialist in Pediatrics, University of Buenos Aires. 2005

Specialist in Nutrition and Obesity, Favaloro University, 2009

Specialist in Child Nutrition, University of Buenos Aires, Argentina, 2013

2. POSTGRADUATE TRAINING

Fellowship in Childhood Obesity. Hospital J.P.Garrahan, 2009-2011

Fellowship in Special Program Grant in Body Composition and Energy

Expenditure. Hospital J.P.Garrahan, 2011-2012

Indirect Calorimetry training CCM Express, Medgraphics Corporation,
Minneapolis, EEUU, 2012

Training in Ketogenic diet therapy. J Hopkins Medical CENTER, Neurology
Department, Baltimore, USA, October 2015

Training In Body Composition and energy expenditure ICANS (International center
for the assessment of nutritional status). Milan University, Milan, Italy, September
2015

Global Keto conferences: Liverpool 2014, Banff 2016, Brighton 2021, San Diego 2023.

Keto University, Chicago USA 2016

Mathew's Friends Keto College. London, UK, June 2018

Keto Summit on Ketogenic Diet Therapies. Charlie Foundation. Arizona, USA

2019

European GLUT 1 Meetings, UK 2018, Germany 2023

Glut 1 Deficiency Foundation Meetings, Nashville 2017, Washington 2019, San Diego 2022

3. ACTIVE STAFF

Staff of Nutrition Department, Hospital de Pediatría Prof. Dr. Juan P Garrahan, Buenos Aires, Argentina, 2012 –2023

Coordinator of the Interdisciplinary Team of Ketogenic Therapy, Hospital de Pediatría Prof. Dr. Juan P Garrahan, Buenos Aires, Argentina, 2013 - 2023

Coordinator of the Obesity Clinic, Department of Nutrition, Hospital de Pediatría Prof. Dr. Juan P Garrahan, Buenos Aires, Argentina, 2015 – 2023

Coordinator of the Interdisciplinary Team of Ketogenic Therapy, German Hospital, Department of Pediatrics 2017-2019

4. TEACHING AND RESEARCH ACTIVITIES

1. Doctor at the Clinical Research Department , sub investigator at Metabolic Research Center, Buenos Aires (CINME) 2024
2. Teacher assistant at PPCR- Course of principles and practice of clinical research- Harvard University 2024
3. PhDc, Universidad Católica Argentina (UCA) 2019-2024

PhD Thesis: “ Long term clinical aspects in Ketogenic Therapy for Refractory Epilepsy”. Thesis Director: Dr Caraballo, Dr Kovaslkys.

4. Course of principles and practice of clinical research, Harvard University 2022
5. Teaching Coordinator Fellowship in Ketogenic Therapy for Refractory Epilepsy and other Neurometabolic diseases. DADI, Hospital Garrahan 2015 - 2023
6. Co-Director of teaching Course of Obesity during childhood and adolescence. ICCAS 2022-present.
7. Invited professor in Ketogenic Diet Improvement Course in Refractory

Epilepsy (e-learning). Institute of Nutrition and Food Technology INTA, University of Chile, 2018-present

8. Visiting professor Università Di Pavia, Sanità pubblica, medicina sperimentale e forense. On site 2018 and on-line 2020.
9. Teacher in Dietary Therapy Management of refractory Epilepsies and other pathologies with ketogenic diet. Course of Feeding Area. Garrahan Hospital 2016-2023.
10. Professor of the Postgraduate Course in Child Nutrition, University of Buenos Aires 2013 - 2013

5. EDITORIAL ACTIVITIES/ JOURNAL PEER REVIEWER

Editor of Frontiers in Pediatrics/ Reviewer Seizure, Epilepsy & Behavior Journals

6. EXECUTIVE POSITIONS AND SOCIETY MEMBERSHIP

- Member of the Executive Committee of Global Keto 2021, Brighton, UK, 2021
- Executive Committee and Board of Trustees at the International Neurological Ketogenic Society -INKS since 2021- present
 - Chair of Education Committee at INKS since 2024
- Member of the International Glut1DS Study Group
- Member of ILAE Task force on Ketogenic Diet Therapy since 2022
- Full member of the Argentine Society of Nutrition (SAN). Coordinator of the Ketogenic Therapy working group. since 2022-present
- Member of the Argentine Society of Pediatrics (SAP), Nutrition Committee.

7. AWARDS

- Oral presentation at the 11th International Congress of obesity. Evaluation of two dietary treatments in obese hyperinsulinemic adolescents. Armeno ML, Krochik GA, Mazza CS. 11th. International Congress on Obesity, Stockhol, Sweden, 11-15 July 2010
- Malaspina International Scholar Travel Award. ILSI International Life Sciences Institute, Arizona USA 2015

PUBLICATIONS- Original Articles/Indexed Journals

Armeno M, Calligaris S, Gagiulo D, Cresta A, Vaccarezza MM, Diez CG, Alberti MJ, Viollaz R, Vilavedra F, Caraballo RH. Use of ketogenic dietary therapy for drug-resistant epilepsy in early infancy. *Epilepsia Open*. 2024 Feb;9(1):138-149. doi: 10.1002/epi4.12836. Epub 2023 Nov 20. PMID: 37759424; PMCID: PMC10839363.

Tagliabue A, **Armeno M**, Berk KA, Guglielmetti M, Ferraris C, Olieman J, van der Louw E. Ketogenic diet for epilepsy and obesity: Is it the same? *Nutr Metab Cardiovasc Dis*. 2024 Mar;34(3):581-589. doi: 10.1016/j.numecd.2024.01.014. Epub 2024 Jan 14. PMID: 38326186.

Aguirre J, Buscio M, Solari A, Bozzani A, Piantanida S, **Armeno M**, Arpi L. Increase in the frequency of scurvy in children with food selectivity: A case series. *Arch Argent Pediatr*. 2024 Mar 21:e202310224. English, Spanish. doi: 10.5546/aap.2023-10224.eng. Epub ahead of print. PMID: 38484185.

Armeno ML, Krochik AG, Mazza CS. Evaluation of two dietary treatments in obese hyperinsulinemic adolescents. *J Pediatr Endocrinol Metab*. 2011;24(9-10):715-22. doi: 10.1515/jpem.2011.291. PMID: 22145462.

Caraballo RH, Fortini S, Fresler S, **Armeno M**, Ariela A, Cresta A, Mestre G, Escobal N. Ketogenic diet in patients with Lennox-Gastaut syndrome. *Seizure*. 2014 Oct;23(9):751-5. doi: 10.1016/j.seizure.2014.06.005. Epub 2014 Jun 19. PMID: 25011392.

Armeno M, Caraballo R, Vaccarezza M, Alberti MJ, Ríos V, Galicchio S, et al. National consensus on the ketogenic diet. *Rev Neurol*. 2014 Sep 1;59(5):213-23. Spanish. PMID: 25156026.

Caraballo RH, Flesler S, **Armeno M**, Fortini S, Agostinho A, Mestre G, Cresta A, Buompadre MC, Escobal N. Ketogenic diet in pediatric patients with refractory focal status epilepticus. *Epilepsy Res*. 2014 Dec;108(10):1912-6. doi: 10.1016/j.eplepsyres.2014.09.033. Epub 2014 Oct 13. PMID: 25454503.

Reyes G, Flesler S, **Armeno M**, Fortini S, Ariela A, Cresta A, Mestre G, Caraballo RH. Ketogenic diet in patients with epileptic encephalopathy with electrical status epilepticus during slow sleep. *Epilepsy Res*. 2015 Jul;113:126-31.

Caraballo RH, Valenzuela GR, **Armeno M**, Fortini S, Mestre G, Cresta A. The ketogenic diet in two paediatric patients with refractory myoclonic status epilepticus. *Epileptic Disord.* 2015 Dec;17(4):491-5. doi: 10.1684/epd.2015.0781. PMID: 26610306.

Vaccarezza M, Agostinho A, Alberti MJ, Argumedo L, **Armeno M**, Blanco V, et al. National consensus on the modified Atkins diet. *Rev Neurol.* 2016 Apr 16;62(8):371-6. Spanish. PMID: 27064917.

Alberti MJ, Agostinho A, Argumedo L, **Armeno M**, Blanco V, Bouquet C, et al. Recommendations for the clinical management of children with refractory epilepsy receiving the ketogenic diet. *Arch Argent Pediatr.* 2016 Feb;114(1):56-63. English, Spanish. doi: 10.5546/aap.2016.eng.56. Epub 2015 Dec 23. PMID: 26914076.

Caminiti C, **Armeno M**, Mazza CS. Waist-to-height ratio as a marker of low-grade inflammation in obese children and adolescents. *J Pediatr Endocrinol Metab.* 2016 May 1;29(5):543-51.

Saure C, **Armeno M**, Barcala C, Giudici V, Mazza CS. Excessive weight gain in exclusively breast-fed infants. *J Pediatr Endocrinol Metab.* 2017 Jul 26;30(7):719-724. doi: 10.1515/jpem-2017-0028. PMID: 28593913.

Caraballo R, Darra F, Reyes G, **Armeno M**, Cresta A, Mestre G, Bernardina BD. The ketogenic diet in patients with myoclonic status in non-progressive encephalopathy. *Seizure.* 2017 Oct;51:1-5. doi: 10.1016/j.seizure.2017.07.002. Epub 2017 Jul 11. PMID: 28743048.

Armeno M, Araujo C, Soto Montesano B, Caraballo RH. Update on the adverse effects during therapy with a ketogenic diet in pediatric refractory epilepsy. *Rev Neurol.* 2018 Mar 16;66(6):193-200. Spanish. PMID: 29537059.

Pasca L, Caraballo RH, De Giorgis V, Reyes JG, Macasaet JA, Masnada S, **Armeno M**, Musicco M, Tagliabue A, Veggiotti P. Ketogenic diet use in children with intractable epilepsy secondary to malformations of cortical development: A two-centre experience. *Seizure.* 2018 Apr;57:34-37. doi: 10.1016/j.seizure.2018.03.005. Epub 2018 Mar 8. PMID: 29554640.

Armeno M, Verini A, Araujo MB, Reyes G, Caraballo RH. Ketogenic parenteral nutrition in three paediatric patients with epilepsy with migrating focal seizures. *Epileptic Disord.* 2019 Oct 1;21(5):443-448. doi: 10.1684/epd.2019.1095. PMID: 31617493.

Armeno M, Verini A, Del Pino M, Araujo MB, Mestre G, Reyes G, Caraballo RH. A

Prospective Study on Changes in Nutritional Status and Growth Following Two Years of Ketogenic Diet (KD) Therapy in Children with Refractory Epilepsy. *Nutrients*. 2019 Jul 14;11(7):1596. doi: 10.3390/nu11071596. PMID: 31337135; PMCID: PMC6682914.

Aguirre JA, Donato ML, Buscio M, Ceballos V, **Armeno M**, Aizpurúa L, Arpi L. Serious neurological compromise due to vitamin B12 deficiency in infants of vegan and vegetarian mothers. *Arch Argent Pediatr*. 2019 Aug 1;117(4):e420-e424. Spanish. doi: 10.5546/aap.2019.e420. PMID: 31339288.

Armeno M, Caraballo R. The evolving indications of KD therapy. *Epilepsy Res*. 2020 Jul;163:106340. doi: 10.1016/j.eplesyres.2020.106340. Epub 2020 Apr 14. PMID: 32330835.

Ulloa E, Saure C, Giudici V, **Armeno M**. Causes of possible excessive weight gain in exclusively breastfed infants in the first six months of life. *Minerva Pediatr*. 2020 Jul 29. doi: 10.23736/S0026-4946.20.05735-7. Epub ahead of print. PMID: 32731728.

Klepper J, Akman C, **Armeno M**, Auvin S, Cervenka M, Cross HJ, De Giorgis V, Della Marina A, Engelstad K, Heussinger N, Kossoff EH, Leen WG, Leiendecker B, Monani UR, Oguni H, Neal E, Pascual JM, Pearson TS, Pons R, Scheffer IE, Veggiotti P, Willemsen M, Zuberi SM, De Vivo DC. Glut1 Deficiency Syndrome (Glut1DS): State of the art in 2020 and recommendations of the international Glut1DS study group. *Epilepsia Open*. 2020 Aug 13;5(3):354-365. doi: 10.1002/epi4.12414. PMID: 32913944; PMCID: PMC7469861.

Armeno M, Verini A, Caballero E, Cresta A, Valenzuela GR, Caraballo R. Long-term effectiveness and adverse effects of ketogenic diet therapy in infants with drug-resistant epilepsy treated at a single center in Argentina. *Epilepsy Res*. 2021 Dec;178:106793. doi: 10.1016/j.eplesyres.2021.106793. Epub 2021 Oct 30. PMID: 34763269.

Armeno M, Caballero E, Verini A, Reyes G, Galarza N, Cresta A, Caraballo RH. Telemedicine- versus outpatient-based initiation and management of ketogenic diet therapy in children with drug-resistant epilepsy during the COVID-19 pandemic. *Seizure*. 2022 May;98:37-43. doi: 10.1016/j.seizure.2022.03.023. Epub 2022 Apr 4. PMID: 35417828.

Veneruzzo GM, Loos MA, **Armeno M**, Alonso CN, Caraballo RH. Glucose transporter type 1 deficiency syndrome: clinical aspects, diagnosis, and treatment. *Arch Argent Pediatr*. 2023 Feb 1;121(1):e202202677. English, Spanish. doi: 10.5546/aap.2022-02677.eng. Epub 2022 Nov 3. PMID: 36315575.

Dardanelli EP, Orozco ME, Oliva V, Lutereau JF, Ferrari FA, Bravo MG, Ruvinsky S, Roel M, Barvosa PC, **Armeno M**, Kaplan JS. Ultrasound attenuation imaging: a reproducible alternative for the noninvasive quantitative assessment of hepatic steatosis in children.

Pediatr Radiol. 2023 Mar 4. doi: 10.1007/s00247-023-05601-0. Epub ahead of print. PMID: 36869263.

Armeno ML, Kossoff EH. Let Food be thy medicine. The Interaction between Ketogenic Diet Therapy and Antiseizure Medications: A systematic review. *Epileptic Disord.* 2023 Mar 28. doi: 10.1002/epd2.20055. Epub ahead of print. PMID: 36987562.

Pasca L, Ferraris C, Guglielmetti M, Varesio C, Totaro M, Trentani C, Marazzi C, Brambilla I, Ballante E, **Armeno M**, Valenzuela GR, Caraballo RH, Veggiotti P, Tagliabue A, De Giorgis V. Ketone variability through menstrual cycle in patients undergoing classic ketogenic diet. *Front Nutr.* 2023 Jul 27;10:1188055.

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Armno M, Mazza CS. Infancia, Obesidad y Covid un debate ausente. Actualización en Nutrición Vol. 21 No 4 Octubre-Diciembre de 2020: 111-113 ISSN 1667-8052 (impresa) ISSN 2250-7183 (en línea)

Isabel Bianchi di Carcano, **Marisa Armno**. Déficit de vitamina B12 en grupos vulnerables con alimentación omnívora. <https://doi.org/10.48061/SAN.2021.22.3.88>

Harraca, . D. J. L., Grigaites, D. A. L., Martínez Duartez, P., Aguirre Ackermann, M., Quevedo, P., Musso, C., Fuentes, S., Salmeri, E., Calderón, G., Roussos, A., Farías, J. M., Ferraro, A. A., Bocanera, L., Lerner, M., Babor, E., Fernández, E., Deluca, L., & Gorodner, V. (2021). Consenso Argentino Intersocietarios de Cirugía Bariátrica y Metabólica. *Revista Argentina De Cirugía, 113*(SUPLEMENTO 1), 1–70.

Saure C, **Armno M**, Barcala C, Mazza CS Caracterización clínica de lactantes menores de un año, con excesiva ganancia de peso durante la alimentación de leche materna. *Medicina Infantil 2017 - Volumen XXIV Número 4*

Dra. Marisa Armno, Dr. Luis Pompozzi, Dra. Ana Zubieta. Obesidad infantil, manejo pediátrico. Medicina ambulatoria pediátrica M.A.P.: Curso a distancia. Año tercero. Módulo I / Hospital de Pediatría SAMIC Prof. Dr. Juan P. Garrahan 2016.

Armno M. Actualización de la terapia cetogénica para epilepsia farmacorresistente y otras enfermedades neurometabólicas. *REVISTA MEDICINA INFANTIL Volumen XXIX – Número 3– 2022*

Armno M, Raspini M. Tratamiento de obesidad infantil MIP. Curso a distancia año 13

Fundación Hospital de Pediatría Prof. Dr. Juan P. Garrahan, 2021.

Ulloa, María Eugenia; **Armeno, Marisa L**; Mazza, Carmen S. Obesidad Monogénica *Med. infant ; 24(3): 294-302, Sept.2017. tab, ilus*

8. BOOKS AND BOOK CHAPTERS

Dieta Cetogénica en el tratamiento de la epilepsia. Roberto Caraballo, Ediciones Journal, 2016

Terapia Cetogénica en el tratamiento de la epilepsia. Roberto Caraballo, Marisa Armeno, Ediciones Journal, 2023

Manual de obesidad en Pediatría. Chapters Diagnosis and Comorbidities, March 2023