

## References

- 1- Mostafa GA, Al-Ayadhi LY. Reduced serum concentrations of 25-hydroxy vitamin D in children with autism: relation to autoimmunity. *J Neuroinflammation*. 2012 Aug 17; 9:201.
- 2- Meguid, N.A., Hashish, A.F., Anwar, M., Sidhom, G., 2010. Reduced serum levels of 25-hydroxy and 1,25-dihydroxy vitamin D in Egyptian children with autism. *J. Altern. Complement. Med.* 16, 641–645.
- 3- Bener A, Khattab AO, Al-Dabbagh MM. Is high prevalence of Vitamin D deficiency evidence for autism disorder? In a highly endogamous population. *J Pediatr Neurosci*. 2014 Sep-Dec;9(3):227-33.
- 4- Stewart PA, Hyman SL, Schmidt BL, Macklin EA, Reynolds A, Johnson CR, James SJ, Manning-Courtney P. Dietary Supplementation in Children with Autism Spectrum Disorders: Common, Insufficient, and Excessive. *J Acad Nutr Diet*. 2015 Aug; 115(8):1237-48.
- 5- Cannell J. Autism, will vitamin D treat core symptoms? *Med Hypotheses* 2013;81(2):195–8.
- 6- Jia F, Wang B, Shan L, Xu Z, Staal WG, Du L. Core symptoms of autism improved after vitamin D supplementation. *Pediatrics*. 2015 Jan;135(1): e196-8.
- 7- Saad K, Abdel-rahman AA, Elserogy Y, et al. Vitamin D status in autism spectrum disorders and the efficacy of vitamin D supplementation in autistic children. *Nutr Neurosci* 2015.
- 8- Stubbs G, Henley K, Green J. Autism: Will vitamin D supplementation during pregnancy and early childhood reduce the recurrence rate of autism in newborn siblings? *Med Hypotheses*. 2016 Mar;88: 74-8.
- 9- Ozonoff S, Young GS, Carter A, Messinger D, et al. Recurrence risk for autism spectrum disorders: a baby siblings research consortium study. *Pediatrics* 2011; 128: e488–95.
- 10- Schmidt RJ, Hansen RL, Hartiala J, Allayee H, Sconberg JL, Schmidt LC, Volk HE, Tassone F. Selected vitamin D metabolic gene variants and risk for autism spectrum disorder in the CHARGE Study. *Early Hum Dev*. 2015 Aug;91(8):483-9.
- 11- Ashwood P, Wills S, Van de Water J. The immune response in autism: a new frontier for autism research. *J Leukoc Biol* 2006; 80(1):1–15.
- 12- Nair-Shalliker V, Armstrong BK, Fenech M. Does vitamin D protect against DNA damage? *Mutat Res* 2012; 733:50-7.
- 13- Dimeloe S, Nanzer A, Ryanna K, Hawrylowicz C. Regulatory T cells, inflammation and the allergic response-The role of glucocorticoids and Vitamin D. *J Steroid Biochem Mol Biol* 2010.
- 14- Garcion E, Wion-Barbot N, Montero-Menei CN, Berger F, Wion D. New clues about vitamin D functions in the nervous system. *Trends Endocrinol Metab* 2002; 13:100-5.
- 15- Guillot X, Semerano L, Saldenber-Kermanac'h N, Falgarone G, Boissier MC. Vitamin D and inflammation. *Joint Bone Spine* 2010; 77:552-7.
- 16- Neveu I, Naveilhan P, Jehan F, Baudet C, Wion D, De Luca HF, et al. 1,25-dihydroxyvitamin D<sub>3</sub> regulates the synthesis of nerve growth factor in primary cultures of glial cells. *Brain Res Mol Brain Res* 1994; 24:70-6.
- 17- García IM, Altamirano L, Mazzei LJ, Fornés MW, Molina MN, Ferder L, et al. Role of mitochondria in paricalcitol-mediated cytoprotection during obstructive nephropathy. *Am J Physiol Renal Physiol* 2012; 302: F1595-605.
- 18- Studzinski GAMD. Differentiation and the cell cycle. In: Glorieux FA, editor. *Vitamin D*. Vol. 2. San Diego: Elsevier, 2005; 1635–61.
- 19- Courchesne E, Pierce K, Schumann CM, Redcay E, Buckwalter JA, Kennedy DP, et al. Mapping early brain development in autism. *Neuron* 2007; 56: 399–413.
- 20- Eyles D, Brown J, Mackay-Sim A, McGrath J, Feron F. Vitamin D<sub>3</sub> and brain development. *Neuroscience* 2003; 118(3):641–53.
- 21- Cui X, McGrath JJ, Burne TH, Mackay-Sim A, Eyles DW. Maternal vitamin D depletion alters neurogenesis in the developing rat brain. *Int J Dev Neurosci* 2007; 25: 227–32.
- 22- Piven J, Arndt S, Bailey J, Haverkamp S, Andreasen NC, Palmer P. An MRI study of brain size in autism. *Am J Psychiatry* 1995; 152(8):1145–9.
- 23- Hollis, B.W., 2007. Vitamin D requirement during pregnancy and lactation. *J. Bone Miner. Res.* 22 (Suppl. 2), V39–V44.
- 24- Hollis, B.W., Wagner, C.L., 2006a. Nutritional vitamin D status during pregnancy: reasons for concern. *CMAJ* 174, 1287–1290.
- 25- Basile, L.A., Taylor, S.N., Wagner, C.L., Quinones, L., Hollis, B.W., 2007. Neonatal vitamin D status at birth at latitude 32 degrees 720: evidence of deficiency. *J. Perinatol.* 27, 568–571.

- 26- Cannell JJ. Autism and vitamin D. *Med Hypotheses*. 2008; 70(4):750-9.
- 27- Gillberg C, Schaumann H, Gillberg IC. Autism in immigrants: children born in Sweden to mothers born in Uganda. *J Intellect Disabil Res* 1995; 39(Pt 2):141-4.
- 28- Barnevik-Olsson M, Gillberg C, Fernell E. Prevalence of autism in children born to Somali parents living in Sweden: a brief report. *Dev Med Child Neurol*. 2008; 50:598-601.
- 29- Barnevik-Olsson M, Gillberg C, Fernell E. Prevalence of autism in children of Somali origin living in Stockholm: brief report of an at-risk population. *Dev Med Child Neurol*. 2010; 52:1167-8.
- 30- Bodnar LM, Simhan HN, Powers RW, Frank MP, Cooperstein E, Roberts JM. High prevalence of vitamin D insufficiency in black and white pregnant women residing in the northern United States and their neonates. *J Nutr* 2007; 137(2):447-52.
- 31- Fernell E, Bejerot S, Westerlund J, Miniscalco C, Simila H, Eyles D, Gillberg C, Humble MB. Autism spectrum disorder and low vitamin D at birth: a sibling control study. *Mol Autism*. 2015 Jan 14; 6:3.