

Nortriptyline (Aventyl®)

Selected References:

- Berle JO, et al. 2004. Breastfeeding during maternal antidepressant treatment with serotonin reuptake inhibitors: infant exposure, clinical symptoms, and cytochrome P450 genotypes. *J Clin Psychiatry* 65:1228-34. PMID: 15367050
- Briggs G, et al. 2022. *Drugs in Pregnancy and Lactation*: Wolters Kluwer; 12th edition: 950-951
- Brunel P, et al. 1994. [Follow-up of 151 pregnant women exposed to antidepressant treatment (MAOI excluded) during organogenesis.] *Therapie* 49:117-122.
- Eggermont E. 1973. Withdrawal symptoms in neonate associated with maternal imipramine therapy. *Lancet* 2:680.
- Misri S & Sivertz K. 1991. Tricyclic drugs in pregnancy and lactation: a preliminary report. *Int J Psychiatry Med* 21(2):157-71.
- Grzeskowiak, LE, et al. 2022. Perinatal antidepressant use and breastfeeding outcomes: Findings from the Norwegian Mother, Father and Child Cohort Study. *Acta Obstetrica et Gynecologica Scandinavica*. 101(30): 344-54.
- Mitchell JE and Popkin MK: Antidepressant drug therapy and sexual dysfunction in men: a review. *J Clin Psychopharm* 3:76-79, 1983.
- Nulman I, et al. 1997. Neurodevelopment of children exposed in utero to antidepressant drugs. *N Engl J Med* 336:258-62.
- Overo KF, et al. 1997. Interaction of perphenazine with the kinetics of nortriptyline. *Acta Pharmacol Toxicol*; 40:97-105.
- Schoretsanitis S, et al. 2020. The impact of pregnancy on the pharmacokinetics of antidepressants: a systematic critical review and meta-analysis. *Expert Opin Drug Metab Toxicol*; 16(5):431-440.
- Semet, M., et al. 2017. The impact of drugs on male fertility: a review. *Andrology* 5(4): 640-663.
- Shearer WT, et al. 1972. Urinary retention in a neonate secondary to maternal ingestion of nortriptyline. *J Pediatr* 81:570-2.
- US Preventive Services Task Force, Curry SJ, et al. 2019. Interventions to Prevent Perinatal Depression: US Preventive Services Task Force Recommendation Statement. *JAMA* 321(6):580-587.
- Wall-Wieler, E, et al. 2020. Antidepressant use around conception, prepregnancy depression, and risk of ectopic pregnancy. *The Canadian Journal of Psychiatry*, 65(12):845-53.
- Webster PA. 1973. Withdrawal symptoms in neonates associated with maternal antidepressant therapy. *Lancet* 2(7824):318-9.
- Weissman AM, et al. 2004. Pooled analysis of antidepressant levels in lactating mothers, breast milk, and nursing infants. *Am J Psychiatry* 161:1066-78.
- Wisner KL, et al. 2002. Postpartum depression. *N Engl J Med*. 347:194-9.
- Xing, D, et al. 2020. Maternal use of antidepressants during pregnancy and risks for adverse perinatal outcomes: a meta-analysis. *Journal of Psychosomatic Research*, 137:110231.

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Selected References

- American College of Obstetricians and Gynecologists (ACOG). 2017. Committee Opinion No. 723. Guidelines for diagnostic imaging during pregnancy and lactation. *Obstet Gynecol*, 130(4):933-934.
- American College of Radiology. 2020. **ACR Manual on MR Safety**. [PDF file]. Retrieved from <https://www.acr.org/-/media/ACR/Files/Radiology-Safety/MR-Safety/Manual-on-MR-Safety.pdf>.
- Chartier AL, et al. 2019. The safety of maternal and fetal MRI at 3 T. *American Journal of Roentgenology*, 213(5): 1170-1173.
- Lum M, Tsiouris AJ. 2020. MRI safety considerations during pregnancy. *Clin Imaging*; 62:69-75.
- Maralani PJ, et al. 2023. Safety of Magnetic Resonance Imaging in Pregnancy. *Radiologie (Heidelb)*. 63(Suppl 2):34-40
- Mervak BM, et al. 2019. MRI in pregnancy: Indications and practical considerations. *Journal of Magnetic Resonance Imaging, JMRI*, 49(3):621-631.
- Ray JG, et al. 2016. Association between MRI exposure during pregnancy and fetal and childhood outcomes. *JAMA*, 316(9):952-961.

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Selected References

- Abdulaziz HM, et al. 2021. Fetal proximal and distal limb anomalies following exposure to mycophenolate mofetil during pregnancy: A case report and review of the literature. *Lupus* 30(9):1522-1525.
- Alsebayel MM, et al. 2018. Congenital esophageal atresia and microtia in a newborn secondary to mycophenolate mofetil exposure during pregnancy: A case report and review of the literature. *Am J Case Rep* 3(19):523-526.
- Boyle S, et al. 2021. Pregnancy following heart transplantation: A single centre case series and review of the literature. *Heart Lung Circ* 30:144-53.
- Coscia LA, et al. 2015. Update on the teratogenicity of maternal mycophenolate mofetil. *J Pediatr Genet* 4(2):42-55.
- Egeberg A, et al. 2017. Birth outcomes in children fathered by men treated with immunosuppressant drugs before conception-A Danish population-based cohort study. *J Invest Dermatol.* 137(8):1790-1792.
- Hoeltzenbein M, et al. 2012. Teratogenicity of mycophenolate confirmed in a prospective study of the European Network of Teratology Information Services. *Am J Med Genet A* 158A(3):588-596.
- Huerta A, et al. 2021. Measurement of the passage of mycophenolic acid into breast milk in a patient with lupus nephritis. *Kidney Int* 100(3):711.
- Intas Pharmaceuticals. Last updated Jan. 5, 2024. Mycophenolate mofetil drug label information. Available at URL: <https://www.dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=741e079a-646b-47ec-84ac-8e12574c2aaf>
- Jones A, et al. 2013. Outcomes of pregnancies fathered by solid-organ transplant recipients exposed to mycophenolic acid products. *Prog Transplant* 23(2):153-157.
- Khan F, et al. 2022. Fetal malformations associated with exposure to mycophenolic acid during the first trimester. *Int J Pediatr Adolesc Med* 9(3):171-173.
- Kim M, et al. 2013. Mycophenolate fetal toxicity and risk evaluation and mitigation strategies. *Am J Transplant* 13(6):1383-1389.
- King RW, et al. 2017. Pregnancy outcomes related to mycophenolate exposure in female kidney transplant recipients. *Am J Transplant* 17(1):151-160.
- Krutsch K, et al. 2023. Transfer of mycophenolic acid into human milk. *J Nephrol* 36:1715-7.
- Martin MC, et al. 2014. Esophageal atresia and prenatal exposure to mycophenolate. *Reprod Toxicol* 50:117-121.
- Martin- Moreno PL, et al. 2021. Paternal safety of the use of mycophenolic acid in kidney transplant recipients. Results of the EMVARON study. *Clin Transplant* 35(5):e14256.
- Midtvedt K, et al. 2017. Exposure to mycophenolate and fatherhood. *Transplantation* 101(7):e214-217.
- Perez-Aytes A, et al. 2017. Mycophenolate mofetil embryopathy: A newly recognized teratogenic syndrome. *Eur J Med Genet* 60(1):16-21.
- Sifontis NM, et al. 2006. Pregnancy outcomes in solid organ transplant recipients with exposure to mycophenolate mofetil or sirolimus. *Transplantation* 82:1698-1702.

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Referencias Seleccionadas:

- Amgen, Inc. 2023. Otezla product label. https://www.pi.amgen.com/~media/amgen/repositorysites/pi-amgen-com/otezla/otezla_pi_english.ashx. [Accessed February 2024].
- Bangsgaard N, et al. 2015 Treating Psoriasis During Pregnancy: safety and efficacy of treatments. Am J Clin Dermatol. 16(5):389-98.
- Celgene Corporation. 2015. Otezla product label. Accessed April 2020 https://www.pi.amgen.com/~media/amgen/repositorysites/pi-amgen-com/otezla/otezla_pi_english.ashx
- Hoffman MB, et al. 2015. Psoriasis during pregnancy: characteristics and important management recommendations. Expert Rev Clin Immunol. 11(6):709-20
- Kaushik SB, et al. 2019. Psoriasis: Which therapy for which patient: Focus on special populations and chronic infections. J Am Acad Dermatol. 80(1):43-53.
- Rademaker M, et al. 2018. Psoriasis in those planning a family, pregnant or breast-feeding. The Australasian Psoriasis Collaboration. Australas J Dermatol. 59(2):86-100
- Saavedra MA, et al. 2018. Targeted drugs in spondyloarthritis during pregnancy and lactation. Pharmacol Res. 136:21-28.

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Selected References:

- Abdi N, et al. 2020. The effect of aspirin on preeclampsia, intrauterine growth restriction and preterm delivery among healthy pregnancies with a history of preeclampsia. *J Chin Med Assoc* 83(9):852-857.
- Annals. 2014. Summaries for patients: aspirin to prevent preeclampsia-related complications and death: U.S. Preventive Services Task Force recommendation statement. *Ann Intern Med* 161(11): I28.
- Bloor M, Paech M. 2013. Nonsteroidal anti-inflammatory drugs during pregnancy and the initiation of lactation. *Anesth Analg* 116(5):1063-75.
- Datta P, et al. 2017. Transfer of low dose aspirin into human milk. *J Hum Lact* 33(2):296-299.
- Ellfolk M, Hultzsch S. 2015. Analgesics, antiphlogistics and anesthetics. In C Schaefer, P Peters, R Miller (Eds.), *Drugs During Pregnancy and Lactation: Treatment Options and Risk Assessment*. 3rd ed. 653-655. London: Elsevier.
- Grab D, et al. 2000. Effects of low-dose aspirin on uterine and fetal blood flow during pregnancy: results of a randomized, placebo-controlled, double-blind trial. *Ultrasound Obstet Gynecol* 15:19-27.
- Hoffman MK, et al. 2024. Neurodevelopment of children whose mothers were randomized to low-dose aspirin during pregnancy. *Obstet Gynecol* 1:1-8.
- Kupka E, et al. 2023. Low-dose aspirin use in pregnancy and the risk of preterm birth: a Swedish register-based cohort study. *Am J Obstet Gynecol* 228(3):336e1-336e9.
- LeFevre ML, U.S. Preventive Services Task Force. 2014. Low-dose aspirin use for the prevention of morbidity and mortality from preeclampsia: U.S. Preventive Services Task Force recommendation statement. *Ann Intern Med* 161(11):819-26.
- Maher JE, et al. 1993. The effect of low-dose aspirin on fetal urine output and amniotic fluid volume. *Am J Obstet Gynecol* 169:885-8.
- Malm H, Borish C. 2015. Analgesics, non-steroidal anti-inflammatory drugs (NSAIDS), muscle relaxants, and antigout medications. In C Schaefer, P Peters, R Miller (Eds.), *Drugs During Pregnancy and Lactation: Treatment Options and Risk Assessment*, 3rd ed. 27-32. London: Elsevier.
- Marret, S. et. al. 2010. Prenatal Low-Dose Aspirin and Neurobehavioral Outcomes of Children Born Very Preterm. *Pediatrics* 125(1):e29-e34.
- Martini A, et al. 2003. Analysis of semen from patients chronically treated with low or moderate doses of aspirin-like drugs. *Fertil and Steril* 80(1):221-222.
- Mone F, McAuliffe FM. 2015. Preconception low-dose aspirin and pregnancy outcomes: results from the EAGeR randomized trial. *Ir Med J*. Jan;08(1):5.
- Naimi A, et al. 2021. The Effect of Preconception-Initiated Low-Dose Aspirin on Human Chorionic Gonadotropin Detected Pregnancy, Pregnancy Loss, and Live Birth. *Annals of Internal Medicine* May;174(5):595-601.
- Ostensen M, et al. 2006. Anti-inflammatory and immunosuppressive drugs and reproduction. *Arthritis Res Ther*

8(3):1-19.

- Schisterman EF, et al. 2015. Preconception low dose aspirin and time to pregnancy: findings from the effects of aspirin in gestation and reproduction randomized trial. J Clin Endocrinol Metab May; 100(5):1785-91.
- Spigset O, et al. 2000. Analgesics and breast-feeding: safety considerations. Paediatr Drugs 2(3):223-38.

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