

Dr. Juan M. Gonzalez

PUBLICATIONS

Peer-Reviewed Publications

1. **Gonzalez J**, Xu H, Elovitz M: Toll-Like Receptors in the uterus, cervix and placenta: is pregnancy an immunosuppressed state? *Am J Obstet Gynecol.* 2007 Sep;197(3): 296.e1-6.
2. **Gonzalez J**, Stamilio D, Ural S, Macones G, Odibo A: A Relationship between Abnormal Fetal Testing and Adverse Perinatal Outcomes in Intrauterine Growth Restriction (IUGR). *Am J Obstet Gynecol.* 2007 May;196(5):e48-51.
3. **Gonzalez JM**, Edlow AG, Silber A, Elovitz MA: Hyperosmolar hyperglycemic state of pregnancy with intruterine fetal demise and preeclampsia. *Am J Perinatol.* 2007 Oct; 24(9): 541-3. Epub 2007 Sep 28.
4. Hua Xu, **Gonzalez JM**, Ofori E, Elovitz MA: Preventing cervical ripening: the primary mechanism by which progestational agents prevent preterm birth? *Am J Obstet Gynecol.* 2008 Mar;198(3): 314.e1-8.
5. Elovitz MA, **Gonzalez J**: Medroxyprogesterone acetate modulates the immune response in the uterus, cervix and placenta in a mouse model of preterm birth. *J Matern Fetal Neonatal Med.* 2008 Apr;21(4), 223-30.
6. Merriman J, **Gonzalez JM**, Rychik J, Ural S.: Can Digoxin and Sotalol therapy for fetal supraventricular tachycardia and hydrops be successful? *J Reprod Med.* 2008 May;53(5):357-9.
7. **Gonzalez JM**, Ofori E, Burd I, Jinghua C, Scholler N, Elovitz MA. Maternal Mortality from Systemic Illness: unraveling the contribution of the immune response. *Am J Obstet Gynecol.* 2009 Apr;200(4): 430.e1-8.
8. Wakil L, Epperson CN, **Gonzalez J**, O'Reardon JP, Kim DR. Neonatal outcomes with the use of lamotrigine for bipolar disorder in pregnancy and breastfeeding: a case series and review of the literature. *Psychopharmacol Bull.* 2009;42(3):91-8.
9. Burd I, Chai J, **Gonzalez J**, Ofori E, Monnerie H, Le Roux PD, Elovitz MA. Beyond white matter damage: fetal neuronal injury in a mouse model of preterm birth. *Am J Obstet Gynecol.* 2009 Sep;201(3):279.e1-8.

10. Lyttle B, Chai, J, **Gonzalez JM**, Xu H, Sammel M, Elovitz MA. The Negative Regulators of the Host Immune Response: An Unexplored Pathway in Preterm Birth. *Am J Obstet Gynecol.* 2009 Sep;201(3):284.e1-7.
11. **Gonzalez JM**, Xu H, Chai J, Ofori E, Elovitz MA. Preterm and Term Cervical Ripening in CD1 Mice (*Mus musculus*): Similar or Divergent Molecular Mechanisms? *Biol of Reprod.*2009 Dec;81(6):1226-32. Epub 2009 Aug 14.
12. Kim DR, **Gonzalez J**, O'Reardon JP. Pregnancy and depression: exploring a new potential treatment option. *Curr Psychiatry Rep.* 2009 Dec;11(6):443-6.
13. Ernst LM, **Gonzalez J**, Ofori E, Elovitz MA. Inflammation-Induced Preterm Birth in a Murine Model is Associated with Increases in Fetal Macrophages and Circulating Erythroid Precursors. *Pediatr Dev Pathol.* 2010 Jul-Aug;13(4):273-81.
14. Mazaki-Tovi S, Vaisbuch E, Romero R, Kusanovic JP, Chaiworapongsa T, Kim SK, Nhan-Chang CL, Gomez R, Yoon BH, Yeo L, Mittal P, Ogge G, **Gonzalez JM**, Hassan SS. Maternal Plasma Concentration of the Pro-Inflammatory Adipokine Pre-B-Cell-Enhancing Factor (PBEF)/Visfatin Is Elevated In Pregnant Patients with Acute Pyelonephritis. *Am J Reprod Immunol.* 2010 Mar 1;63(3):252-62.Epub 2010 Jan 19.
15. Mazaki-Tovi S, Vaisbuch E, Romero R, Kusanovic JP, Chaiworapongsa T, Kim SK, Nhan-Chang CL, Gomez R, Alpay Savasan Z, Madan I, Yoon BH, Yeo L, Mittal P, Ogge G, **Gonzalez JM**, Hassan SS. Maternal and neonatal circulating visfatin concentrations in patients with pre-eclampsia and a small-for-gestational age neonate. *J Matern Fetal Neonatal Med.* 2010 Oct;23(10):1119-28.
16. Oggè G, Romero R, Kusanovic JP, Chaiworapongsa T, Dong Z, Mittal P, Vaisbuch E, Mazaki-Tovi S, **Gonzalez JM**, Yeo L, Hassan SS. Serum and plasma determination of angiogenic and anti-angiogenic factors yield different results: The need for standardization in clinical practice. *J Matern Fetal Neonatal Med.* 2010 Aug;23(8):820-7.
17. Mazaki-Tovi S, Vaisbuch E, Romero R, Kusanovic JP, Chaiworapongsa T, Kim SK, Ogge G, Yoon BH, Dong Z, **Gonzalez JM**, Gervasi MT, Hassan SS. Hyperresistinemia - a novel feature in systemic infection during human pregnancy. *Am J Reprod Immunol.* 2010 May;63(5):358-69. Epub 2010 Feb 18.
18. Burd I, Bentza AI, Chai J, **Gonzalez J**, Monnerie H, Le Rouzx PD, Cohen AS, Yudkoff M, Elovitz MA. Inflammation-induced preterm birth alters neuronal morphology in the mouse fetal brain. *J Neurosci Res.* 2010 Jul;88(9):1872-81.
19. Mittal P, Romero R, Tarca AL, **Gonzalez J**, Draghici S, Xu Y, Dong Z, Nhan-Chang CL, Chaiworapongsa T, Lye S, Kusanovic JP, Lipovich L, Mazaki-Tovi S, Hassan SS,

Mesiano S, Kim Kim CJ. Characterization of the myometrial transcriptome and biological pathways of spontaneous human labor at term. *J Perinat Med.* 2010 Nov;38(6):617-43. Epub 2010 Jul 14.

20. Hassan SS, Romero R, Tarca AL, Nhan-Chang CL, Mittal P, Vaisbuch E, **Gonzalez JM**, Chaiworapongsa T, Ali-Fehmi R, Dong Z, Than NG, Kim CJ. The molecular basis for sonographic cervical shortening at term: identification of differentially expressed genes and the epithelial-mesenchymal transition as a function of cervical length. *Am J Obstet Gynecol.* 2010 Nov ;203(5):472.e1-472.e14.

21. Yeo L, Romero R, Jodicke C, Kim SK, **Gonzalez JM**, Oggè G, Lee W, Kusanovic JP, Vaisbuch E, Hassan S. Simple targeted arterial rendering (STAR) technique: a novel and simple method to visualize the fetal cardiac outflow tracts. *Ultrasound Obstet Gynecol.* 2010 Sep 27. Doi: 10.1002/uog.8841.

22. Kim DR, Epperson N, Pare E, **Gonzalez JM**, Parry S, Thase ME, Cristancho P, Sammel MD, O'Reardon JP. An open label pilot study of transcranial magnetic stimulation for pregnant women with major depressive disorder. *J Womens Health (Larchmt).* 2011 Feb; 20(2):255-61.

23. Burd I, Brown A, **Gonzalez JM**, Chai J, Elovitz MA . A Mouse Model of Term Chorioamnionitis: Unraveling Causes of Adverse Neurological Outcomes. *Reprod Sci.* 2011 Mar 18. [Epub ahead of print].

24. **Gonzalez JM**, Franzke CV, Yang F, Romero R, Girardi G. Complement activation triggers metalloproteinases release inducing cervical remodeling and preterm birth in mice. *Am J Pathol*, 2011 In press.