

References

- 1- Tian L, Shen H, Lu Q, Norman RJ, Wang J. Insulin resistance increases the risk of spontaneous abortion after assisted reproduction technology treatment. *J Clin Endocrinol Metab* 2007; 92:1430–3.
- 2- Craig LB, Ke RW, Kutteh WH. Increased prevalence of insulin resistance in women with a history of recurrent pregnancy loss. *Fertil Steril* 2002;78: 487–90.
- 3- Kc K, Shakya S, Zhang H. Gestational diabetes mellitus and macrosomia: a literature review. *Ann Nutr Metab.* 2015;66 Suppl 2:14-20. Epub 2015 Jun 2. Review.
- 4- Berkowitz KM. Insulin resistance and preeclampsia. *Clin Perinatol.* 1998 Dec;25(4):873-85. Review.
- 5- Christianson, M.S., Wu, H., Zhao, Y., Yemini, M., Leong, M., Shoham, Z., 2015. Metformin use in patients undergoing in vitro fertilization treatment: results of a worldwide web-based survey. *J. Assist. Reprod. Genet.* 32, 401–406.
- 6- Belfiore F, Iannello S, Volpicelli G. Insulin sensitivity indices calculated from basal and OGTT-induced insulin, glucose, and FFA levels. *Mol Genet Metab* 1998;63: 134–41.
- 7- Stadtmauer, L.A., Toma, S.K., Riehl, R.M., Talbert, L.M., 2002. Impact of metformin therapy on ovarian stimulation and outcome in 'coasted' patients with polycystic ovary syndrome undergoing in-vitro fertilization. *Reprod. Biomed.* Online 5, 112–116.
- 8- Othman EM, Oli RG, Arias-Loza PA, Kreissl MC, Stopper H. Metformin protects kidney cells from insulin-mediated genotoxicity in vitro and in male Zucker diabetic fatty rats. *Endocrinology* 2016; 157:548–59.
- 9- Eng GS, Sheridan RA, Wyman A, Chi MM, Bibee KP, Jungheim ES, et al. AMP kinase activation increases glucose uptake, decreases apoptosis, and improves pregnancy outcome in embryos exposed to high IGF-I concentrations. *Diabetes* 2007;56: 2228–34.
- 10- Wu Y, Wang F, Fu M, Wang C, Quon MJ, Yang P. Cellular stress, excessive apoptosis, and the effect of metformin in a mouse model of type 2 diabetic embryopathy. *Diabetes* 2015; 64:2526–36.
- 11- Palomba, S., Falbo, A., La Sala, G.B., 2014. Metformin and gonadotropins for ovulation induction in patients with polycystic ovary syndrome: a systematic review with meta-analysis of randomized controlled trials. *Reprod. Biol. Endocrinol.* 12, 3.
- 12- Tang, T., Lord, J.M., Norman, R.J., Yasmin, E., Balen, A.H., 2010. Insulin-sensitising drugs (metformin, rosiglitazone, pioglitazone, D-chiro-inositol) for women with polycystic ovary syndrome, oligo amenorrhoea and subfertility. *Cochrane Database Syst. Rev.* CD003053.
- 13- Christianson MS, Wu H, Zhao Y, Yemini M, Leong M, Shoham Z. Metformin use in patients undergoing in vitro fertilization treatment: results of a worldwide web-based survey. *J Assist Reprod Genet.* 2015 Mar;32(3):401-6.
- 14- Tso, L.O., Costello, M.F., Albuquerque, L.E., Andriolo, R.B., Macedo, C.R., 2014. Metformin treatment before and during IVF or ICSI in women with polycystic ovary syndrome. *Cochrane Database Syst. Rev.* 11, Cd006105.