

BAB VI

DAFTAR PUSTAKA

1. NIH Consensus Conference. Impotence. NIH Consensus Development Panel on Impotence. *JAMA* 1993;270:83-90.
2. Studies employing a clinically validated method of identifying ED, such as the abridged five-item version of the 15-item International Index of Erectile Function (IIEF-5), confirm the high worldwide prevalence. IIEF-5 has been clinically validated to be sensitive and specific, and it addresses the U.S. National Institutes of Health (NIH) definition of this condition
3. Temidayo, So., & Stefan, S. P. (2018). Diabetes mellitus and male infertility. *Asian Pacific Journal of Reproduction*, 7(1), 6. <https://doi.org/10.4103/2305-0500.220978>
4. Mallidis C, Agbaje I, Rogers D, Glenn J, McCullough S, Atkinson AB, et al. Distribution of the receptor for advanced glycation end products in the human male reproductive tract: Prevalence in men with diabetes mellitus. *Hum Reprod* 2007; 22(8): 2169-2177.
5. Agbaje IM, Rogers DA, McVicar CM, McClure N, Atkinson AB, Mallidis C, et al. Insulin dependant diabetes mellitus: Implications for male reproductive function. *Hum Reprod* 2007; 22(7): 1871-1877.
6. Roessner C, Paasch U, Kratzsch J, Glander HJ, Grunewald S. Sperm apoptosis signalling in diabetic men. *Reprod Biomed Online* 2012; 25(3): 292-299.
7. Bhattacharya SM, Ghosh M, Nandi N. Diabetes mellitus and abnormalities in semen analysis. *J Obstet Gynaecol Res* 2014; 40(1): 167- 171.
8. Murray FT, Cameron DF, Orth JM, Katovich MJ. Gonadal dysfunction in the spontaneously diabetic BB rat: Alterations of testes morphology, serum testosterone and LH. *Horm Metab Res* 1985; 17(10): 495-501.
9. Cameron DF, Rountree J, Schultz RE, Repetta D, Murray FT. Sustained hyperglycemia results in testicular dysfunction and reduced fertility potential in BBWOR diabetic rats. *Am J Physiol* 1990; 259(6): e881-889.
10. Ballester J, Muñoz MC, Domínguez J, Rigau T, Guinovart JJ, Rodríguez-Gil JE. Insulin-dependent diabetes affects testicular function by FSH-and LH-linked mechanisms. *J Androl* 2004; 25(5): 706-719.

11. Shrilatha B. Early oxidative stress in testis and epididymal sperm in streptozotocin-induced diabetic mice: Its progression and genotoxic consequences. *Reprod Toxicol* 2007; 23(4): 578-587.
12. Vikram A, Tripathi DN, Ramarao P, Jena GB. Intervention of D-glucose ameliorates the toxicity of streptozotocin in accessory sex organs of rat. *Toxicol Appl Pharmacol* 2008; 226(1): 84-93.
13. Jelodar G, Khaksar Z, Pourahmadi M. Endocrine profile and testicular histomorphometry in adult rat offspring of diabetic mothers. *J Physiol Sci* 2009; 59(5): 377-382.
14. Navarro-Casado L, Juncos-Tobarra MA, Chafer-Rudilla M, Onzoño LÍ, Blazquez-Cabrera JA, Miralles-Garcia JM. Effect of experimental diabetes and STZ on male fertility capacity. Study in rats. *J Androl* 2010; 31(6): 584-592.
15. Mangoli E, Talebi AR, Anvari M, Pouretezari M. Effects of experimentally-induced diabetes on sperm parameters and chromatin quality in mice. *Iran J Reprod Med* 2013; 11(1): 53-60.
16. Carpino A, Rago V, Guido C, Casaburi I, Aquila S. Insulin and IR- α in pig spermatozoa: A role of the hormone in the acquisition of fertilizing ability. *Int J Androl* 2010; 33(3): 554-562.
17. DeFronzo, A.R, Ferranini, E., Groop, L., Henry. R.R., Herman, H.W, Holst, J.J., Hu, B.F., Kahn, R.C., Raz, I., Shulman, I.G., Simonson, C.D., Testa A.M., Wess, R. Type 2 Diabetes Mellitus. *Nature Reviews Disease Primers volume1*, Article number: 15019 (2015)
18. Sperling, A.M., Phillip, M. Chapter 19. Diabetes Mellitus. *Pediatric Endocrinology* (Fourth edition). 2014. Pages 846-900.e1
19. Katsarou, A., Gudbjornsdottir, S., Rawshani, A., Dabelea, D., Bonifacio, E., Anderson, J.B., Jacobsen, M.L., Schatz, A.D., Lernmark, A. Type 1 Diabetes Mellitus. *Nature Reviews Disease Primers volume3*, Article number: 17016 (2017)
20. Guo-Lian, D., Liu, Y., Liu, E.M., Jie Xue, P., Guo, M.X., Sheng, J.Z, Huang, H.F. REVIEW The effects of diabetes on male fertility and epigenetic regulation during spermatogenesis. *Asian Journal of Andrology* (2015) 17, 948–953
21. Halestrap, AP. And Wilson MC. The monocarboxylate transporter family--role and regulation. *IUBMB Life*. 2012 Feb;64(2):109-19. doi: 10.1002/iub.572. Epub 2011 Dec 9.

22. Boussouar, F., Mauduit, C, Tabone, E., Pellerin, L., Magistretti, J.P., Benahmed, M. Developmental and Hormonal Regulation of the Monocarboxylate Transporter 2 (MCT2) Expression in the Mouse Germ Cells. *BIOLOGY OF REPRODUCTION* 69, 1069–1078 (2003). DOI 10.1095/biolreprod.102.010074
23. Omolaoye, T.S., Stefan, F., Diabetes mellitus and male infertility. *Asian Pacific Journal of Reproduction* 2018; 7(1): 6-14. doi: 10.4103/2305-0500.220978
24. Lee, J., Lee, D.R., Lee, S. The genetic variation in Monocarboxylic acid transporter 2 (MCT2) has functional and clinical relevance with male infertility. *Asian Journal of Andrology* (2014) 16, 694–697
25. 1. Appella E, Markert CL (1961): Dissociation of lactic dehydrogenase into subunits with guanidine hydrochloride. *Biochem Biophys Res Commun* 6: 171-176
26. Mazjina M.A., Salehia, Z, Mashayekhnia, F, and Bahadorib, M. Evaluation of GPx1 Pro198Leu Polymorphism in Idiopathic Male Infertility. *Molecular Biology*, 2016, Vol. 50, No. 1, pp. 77–80.
27. Garrido, N., Meseguer M., Alvarez, J., Simón, C., Pellicer, A., and Remohí, J. Relationship among standard semen parameters, glutathione peroxidase/glutathione reductase activity, and mRNA expression and reduced glutathione content in ejaculated spermatozoa from fertile and infertile men. *FERTILITY AND STERILITY VOL. 82, SUPPL. 3, OCTOBER 2004. American Society for Reproductive Medicine Published by Elsevier Inc.*
28. Zhang, J.X., Wang, Z.M., Zhang, J.J., Zhu, L.L., Gao, X.F., Chen, S.L. Association of glutathione peroxidase-1 (GPx-1) rs1050450 Pro198Leu and Pro197Leu polymorphisms with cardiovascular risk: a meta-analysis of observational studies. *Journal of Geriatric Cardiology* (2014) 11: 141–150