

DAFTAR PUSTAKA

- ADA. 2016. Classification and Diagnosis of Diabetes. *Diabetes Care*, 39(January): 13–22.
- Al-Badri, M.R., Zantout, M.S. & Azar, S.T. 2015. The role of adipokines in gestational diabetes mellitus. *Therapeutic Advances in Endocrinology and Metabolism*, 6(3): 103–108.
- Alfadhli, E.M. 2015. Gestational diabetes mellitus. *Saudi medical journal*, 36(4): 399–406.
- Altinova, A.E., Toruner, F., Bozkurt, N., Bukan, N., Karakoc, A., Yetkin, I., Ayvaz, G., Cakir, N. & Arslan, M. 2007. Circulating concentrations of adiponectin and tumor necrosis factor- α in gestational diabetes mellitus. *Gynecol Endocrinol*, 23(March): 161–165.
- Alves, N.C. de C., Feitosa, K.M.A., Mendes, M.E.S. & Caminha, M. de F.C. 2017. Complications in pregnancy in women aged 35 or older. *Rev Gaucga Enferm*, 38(4): 1–7.
- Andayasari, L. & Opitasari, C. 2017. Parity and risk of low birth weight infant in full term pregnancy. *HSJI*, 7(1): 13–16.
- Azlin, N., Ismail, M., Kasim, M.M., Aizuddin, A.N. & Umar, N.A. 2013. Homeostatic indices of insulin resistance among gestational diabetics in anticipating pregnancy complications. , 3590(7): 691–694.
- Baci, Y., Üstüner, I., Keskin, H.L., Ersoy, R. & Avşar, A.F. 2013. Effect of maternal obesity and weight gain on gestational diabetes mellitus. *Gynecol Endocrinol*, 29(2): 133–136.
- Bhavadharini, B., Uma, R., Saravanan, P. & Mohan, V. 2016. Screening and diagnosis of gestational diabetes mellitus - relevance to low and middle income countries. *Clinical Diabetes and Endocrinology*, 2(1): 1–8.
- Bortolon, L.N.M., de Paula Leão Triz, L., de Souza Faustino, B., de Sá, L.B.C., Rocha, D.R.T.W. & Arbex, A.K. 2016. Gestational Diabetes Mellitus: New Diagnostic Criteria. *Open Journal of Endocrine and Metabolic Diseases*, 06(01): 13–19.
- Brown, F.M. & Wyckoff, J. 2017. Application of One-Step IADPSG Versus Two-Step Diagnostic Criteria for Gestational Diabetes in the Real World : Impact on Health Services , Clinical Care , and Outcomes. : 1–13.
- Buchanan, T. a., Xiang, A.H. & Page, K.A. 2012. Gestasional Diabetes Mellitus: Risks and Management during and after Pregnancy. *HHS journal*, 8(11): 353–357.
- Catalano, P.M. 2010. Obesity, insulin resistance, and pregnancy outcome. *Reproduction*, 140(3): 365–371.
- Catalano, P.M. 2014. Trying to Understand Gestasional Diabetes. *National Institute of Health*, 31(1): 1–7.
- Cianni, G. Di, Miccoli, R., Volpe, L., Lencioni, C. & Prato, S. Del. 2003. Intermediate metabolism in normal pregnancy and in gestational diabetes. *Diabetes Metab Res Rev*, 19(March): 259–270.

- CliniChem. 2013. Glucose GOD/PAP stable liquid reagent. , (1969): 3617.
- Cobas manual kit. 2017. Elycis Insulin. : 1–5.
- Cobas, R. 2018. *Elecsys Insulin: insert kit*.
- Committee on Practice Bulletins - Obstetrics. 2018. Diabetes Mellitus Interim Update. *The American College of Obstetrician and Gynecologists (ACOG) Practice Bulletin*, 131(180): e49–e64.
- Coskun, A., Unsal, I., Serteser, M. & Inal, T. 2012. Six Sigma as a Quality Management Tool: Evaluation of Performance in Laboratory Medicine. *Quality Management and Six Sigma*, (May 2014).
- Doruk, M., U, M., Oru, A.S., Demirel, N. & Yildiz, Y. 2014. Serum adiponectin in gestational diabetes and its relation to pregnancy outcome. *Int J Gynaecol Obstet*, 34(August): 471–475.
- Farrar, D., Duley, L., Dowswell, T. & Da, L. 2017. Different strategies for diagnosing gestational diabetes to improve maternal and infant health (Review) . , (8).
- Furukawa, S. & Kobayashi, Y. 2019. Leaner women with impaired insulin secretion accounts for about 40 % of gestational diabetes mellitus in Japan. *Journal of Pregnancy*, 2019.
- Gandasoebrata, R. 2004. *Penuntun Laboratrium Klinik*.
- Gao, J. & Cheng, J. 2014. Gestational diabetes mellitus and impaired glucose tolerance in pregnant women. *Pakistan Journal of Medical Sciences*, 30(6): 1203–1208.
- Genova, M.P., Todorova-Ananieva, K. & Tzatchev, K. 2013. *Impact of body mass index on insulin sensitivity/resistance in pregnant women with and without gestational diabetes mellitus*.
- Graves, N., Page, K., Martin, E., Brain, D., Hall, L., Campbell, M., Fulop, N., Jimmison, N., White, K., Paterson, D. & Barnett, A.G. 2016. Cost-Effectiveness of a national initiative to improve hand hygiene compliance using the outcome of healthcare associated staphylococcus aureus bacteraemia. *PLoS ONE*, 11(2): 1–17.
- Hana, M.G., Amani, F.H.N., Hanaa, A.E. & Ohood, T. 2017. Vitamin D and Insulin resistance in gestational diabetes mellitus. *Journal of Diabetes and Endocrinology*, 8(3): 17–25.
- Hanna, F.W., Duff, C.J., Shelley-Hitchen, A., Hodgson, E. & Fryer, A.A. 2017. Diagnosing gestational diabetes mellitus: Implications of recent changes in diagnostic criteria and role of glycated haemoglobin (HbA1c). *Clinical Medicine, Journal of the Royal College of Physicians of London*, 17(2): 108–113.
- Huang, T.T.-K., Johnson, M.S. & Goran, M.I. 2002. Development of a prediction equation for insulin sensitivity from anthropometry and fasting insulin in prepubertal and early pubertal children. *Diabetes care*, 25(7): 1203–1210.
- Idris, N., Hatikah, C.H.C., Murizah, M.Z. & Rushdan, M.N. 2009. Universal Versus Selective Screening For Detection of Gestasional Diabetes Mellitus in a Malaysian Poppulation. , 4(2): 83–87.
- International Association of Diabetes and Pregnant Study Groups Consensus Panels. 2010. International Association of Diabetes and Pregnancy Study

- Groups Recommendations on the Diagnosis and Classification of Hyperglycemia in Pregnancy. *Diabetes Care*, 33.
- International Diabetes Federation. 2017. *IDF Diabetes Atlas*. 8th editio.
- Ismail, N.A.M., Kasim, M.M., Aizuddin, A.N. & Umar, N.A. 2013. Homeostatic indices of insulin resistance among gestational diabetics in anticipating pregnancy complications. *Gynecological Endocrinology*, 29(7): 691–694.
- Kadowaki, T., Yamauchi, T., Kubota, N., Hara, K., Ueki, K. & Tobe, K. 2006. Adiponectin and adiponectin receptors in insulin resistance, diabetes, and the metabolic syndrome. *Journal of Clinical Investigation*, 116(7): 1784–1792.
- Kang, E.S., Yun, Y.S., Park, S.W., Kim, H.J., Ahn, C.W., Song, Y.D., Cha, B.S., Lim, S.K., Kim, K.R. & Lee, H.C. 2005. Limitation of the validity of the homeostasis model assessment as an index of insulin resistance in Korea. *Metabolism: Clinical and Experimental*, 54(2): 206–211.
- Kementerian Kesehatan Republik Indonesia. 2018. Laporan Nasional Riset Kesehatan Dasar. *Kementerian Kesehatan RI*: 1–582.
- Kit, C. manual. 2009. Glucose HK. , (04657527): 7–9.
- Kuo, C.H., Chen, S.C., Fang, C.T., Nien, F.J., Wu, E.T., Lin, S.Y., Chuang, L.M., Lee, C.N. & Li, H.Y. 2017. Screening gestational diabetes mellitus: The role of maternal age. *PLoS ONE*, 12(3): 1–13.
- Law, K.P. & Zhang, H. 2017. The pathogenesis and pathophysiology of gestational diabetes mellitus: Deductions from a three-part longitudinal metabolomics study in China. *Clinica Chimica Acta*, 468: 60–70. <http://dx.doi.org/10.1016/j.cca.2017.02.008>.
- Li, M., Song, Y., Rawal, S., Hinkle, S.N., Zhu, Y., Tekola-Ayele, F., Ferrara, A., Tsai, M.Y. & Zhang, C. 2020. Plasma Prolactin and Progesterone Levels and the Risk of Gestational Diabetes: A Prospective and Longitudinal Study in a Multiracial Cohort. *Frontiers in Endocrinology*, 11(February): 1–10.
- Li, Y., Ren, X., He, L., Li, J., Zhang, S. & Chen, W. 2020. Maternal age and the risk of gestational diabetes mellitus: A systematic review and meta-analysis of over 120 million participants. *Diabetes Research and Clinical Practice*, 162: 108044. <https://doi.org/10.1016/j.diabres.2020.108044>.
- Logakodie, S., Azahadi, O., Fuziah, P., Bib, N., Sf, T., Zzr, Z., Norliza, M., Noraini, J., Hazlin, M., Mz, N., Mk, S. & Mimi, O. 2017. Gestational diabetes mellitus : The prevalence , associated factors and foeto-maternal outcome of women attending antenatal care . , 12(2): 9–17.
- Main, R.I. & Kiechle, F.L. 2000. Blood Glucose: Measurement in the Point-of-Care Setting. *Lab Med*, 31(5): 276–282.
- Maiorana, A., Del Bianco, C. & Cianfarani, S. 2007. Adipose tissue: A metabolic regulator. Potential implications for the metabolic outcome of subjects born small for gestational age (SGA). *Review of Diabetic Studies*, 4(3): 134–146.
- Martin, K.E., Grivell, R.M., Yelland, L.N. & Dodd, J.M. 2015. The influence of maternal BMI and gestational diabetes on pregnancy outcome. *Diabetes Res Clin Pract*, 108(3): 508–513.
- Metzger, B., Lowe, L., Dyer, A. & Al, E. 2008. HAPO study cooperative research group. Hyperglycemia and adverse pregnancy outcomes. *N Engl J Med*, 358: 1991–2002.

- Metzger BE, Lowe LP, Dyer AR, Trimble ER, Chaovarindr U, Coustan DR, et al. 2008. Hyperglycemia and Adverse Pregnancy Outcomes. *The New England Journal of Medicine*: 1991–2002.
- National Institute of Health. 2013. National Institutes of Health consensus development conference statement: diagnosing gestational diabetes mellitus. *Obstetrics and Gynecology*, 115(3): 597–604.
- Ozcimen, E.E., Uckuyu, A., Ciftci, F.C., Yanik, F.F. & Bakar, C. 2008. Diagnosis of gestational diabetes mellitus by use of the homeostasis model assessment-insulin resistance index in the first trimester. *Gynecological Endocrinology*, 24(4): 224–229.
- Plows, J.F., Stanley, J.L., Baker, P.N., Reynolds, C.M. & Vickers, M.H. 2018. The Pathophysiology of Gestational Diabetes Mellitus. : 1–21.
- Prentki, M., Nolan, C.J., Prentki, M. & Nolan, C.J. 2006. Islet b cell failure in type 2 diabetes Find the latest version : Review series Islet b cell failure in type 2 diabetes. *The Journal of clinical investigation*, 116(7): 1802–1812.
- Purnamasari, D., Waspadji, S., Adam, J., Rudijanto, A. & Tahapary, D. 2013. Indonesian Clinical Practice Guidelines for Diabetes in Pregnancy. *Journal of the ASEAN Federation of Endocrine Societies*, 28(1): 9–13.
- Queensland Clinical Guidelines. 2015. Maternity and Neonatal Clinical Guideline Obesity in pregnancy. : 1–30.
- Rajashree & Paunekar, V. 2019. Maternal complications of gestational diabetes mellitus. *National Journal of Physiology, Pharmacy and Pharmacology*, 9(0): 1.
- Retnakaran, R., Hanley, A.J.G., Raif, N., Hirning, C.R., Connelly, P.W., Sermer, M., Kahn, S.E. & Zinman, B. 2005. Adiponectin and beta cell dysfunction in gestational diabetes: pathophysiological implications. *Diabetologia*, 48(5): 993–1001.
- Retnakaran, R., Qi, Y., Sermer, M., Connelly, P.W., Zinman, B. & Hanley, A.J.G. 2009. Pre-gravid physical activity and reduced risk of glucose intolerance in pregnancy: the role of insulin sensitivity. *Clinical endocrinology*, 70(4): 615–622.
- Sacks, D.B., Arnold, M., Bakris, G.L., Bruns, D.E., Horvath, A.R., Kirkman, M.S., Lernmark, A., Metzger, B.E. & Nathan, D.M. 2011. Guidelines and recommendations for laboratory analysis in the diagnosis and management of diabetes mellitus. *Clinical Chemistry*, 57(6).
- Seshiah, V., Balaji, V., Balaji, M., Paneerselvam, A., Arthi, T. & Thamizharasi, M. 2007. Seshiah V, Balaji V, Balaji MS, Paneerselvam A, Arthi T, Thamizharasi M, et al. Gestational diabetes mellitus manifests in all trimesters of pregnancy. *Diabetes Res Clin Pract*, 77: 482–484.
- Seshiah, V., Balaji, V., Balaji, M., Sanjeevi, C. & Green, A. 2004. Seshiah V, Balaji V, Balaji MS, Sanjeevi CB, Green A. Gestational diabetes mellitus in India. *J Assoc Physicians India*. 2004;52:707–11. *J Assoc Physicians India*., 52: 707–7011.
- Shalayel, A.-N.&. 2011. Pathophysiology of Gestational Diabetes Mellitus: The Past, the Present and the Future. *Gestational Diabetes*.
- Shamsuddin, K., Mahdy, Z.A., Rafiaah, I.S. & Jamil, M.A. 2001. Risk factor

- screening for abnormal glucose tolerance in pregnancy.
- Siddiqui, K. 2017. Resistin role in development of gestational diabetes mellitus.
- Soheilykxah, S., Mojibian, M., Rahimi-Saghand, S., Rashidi, M. & Hadinedoushan, H. 2011. Maternal serum leptin concentration in gestational diabetes. *Taiwanese Journal of Obstetrics and Gynecology*, 50(2): 149–153. <http://dx.doi.org/10.1016/j.tjog.2011.01.034>.
- Sokup, A., Ruszkowska-Ciastek, B., Góralczyk, K., Walentowicz, M., Szymański, M. & Rośó, D. 2013. Insulin resistance as estimated by the homeostatic method at diagnosis of gestational diabetes: Estimation of disease severity and therapeutic needs in a population-based study. *BMC Endocrine Disorders*, 13.
- Steffes, M. 2008. Laboratory Procedure Manual: Serum Insulin (Human Insulin Immunoassay). *NHANES*.
- Surapaneni, T., Nikhat, I. & Nirmalan, P.K. 2013. Diagnostic effectiveness of 75 g oral glucose tolerance test for gestational diabetes in India based on the International Association of the Diabetes and Pregnancy Study Groups guidelines. , 6(3): 125–128.
- Szendroedi, J., Phielix, E. & Roden, M. 2011. Assessment of Insulin Sensitivity. *The Metabolic Syndrome: Second Edition*: 88–105.
- Tanaka, K., Yamada, K., Matsushima, M., Izawa, T., Furukawa, S., Kobayashi, Y. & Iwashita, M. 2018. Increased maternal insulin resistance promotes placental growth and decreases placental efficiency in pregnancies with obesity and gestational diabetes mellitus. *The journal of obstetrics and gynaecology research*, 44(1): 74–80.
- Valizadeh, M., Piri, Z., Mohammadian, F., Kamali, K. & Amir Moghadami, H.R. 2016. The Impact of Vitamin D Supplementation on Post-Partum Glucose Tolerance and Insulin Resistance in Gestational Diabetes: A Randomized Controlled Trial. *International journal of endocrinology and metabolism*, 14(2): e34312–e34312.
- VanWinden, K., Montoro, M., Korst, L.M. & Ouzounian, J.G. 2017. A Homeostatic Model Assessment of Insulin Resistance (HOMA-IR) Relates to Gestational Diabetes, Glycemic Control [1K]. *Obstetrics & Gynecology*, 129(5).
- Wallace, T.M., Levy, J.C. & Matthews, D.R. 2004. Use and abuse of HOMA modeling. *Diabetes care*, 27(6): 1487–1495.
- Weir, G.C., Laybutt, D.R., Kaneto, H., Bonner-weir, S. & Sharma, A. 2001. β -Cell Adaptation and Decompensation During the Progression of Diabetes. , 50(February).
- WHO. 1999. Definition, diagnosis and classification of diabetes mellitus and its complication. : 1–66.
- World Health Organization. Diagnostic Criteria and Classification of Hyperglycaemia First Detected in Pregnancy. : 1–62.
- Yamashita, H., Shao, J. & Friedman, J. 2000. Physiologic and molecular alterations in carbohydrate metabolism during pregnancy and gestational diabetes mellitus. *Clin Obstet Gynecol*, 43(1): 87–98.

Yilmaz, O., Kucuk, M., Ilgin, A. & Dagdelen, M. 2010. Assessment of insulin sensitivity/resistance and their relations with leptin concentrations and anthropometric measures in a pregnant population with and without gestational diabetes mellitus. *Journal of Diabetes and its Complications*, 24(2): 109–114. <http://dx.doi.org/10.1016/j.jdiacomp.2009.01.006>.