

## **DAFTAR PUSTAKA**

1. Finney SJ, Zekveld C, Elia A, Evans TW. Glucose Control and Mortality in Critically Ill Patients. *J Am Med Assoc.* 2003;290(15):2041–7.
2. Care D, Suppl SS. Diabetes care in the hospital: Standards of medical care in diabetes-2020. *Diabetes Care.* 2020;43(January):S193–202.
3. Sharma J, Chittawar S, Maniram R, Dubey T, Singh A. Clinical and epidemiological study of stress hyperglycemia among medical intensive care unit patients in Central India. *Indian J Endocrinol Metab.* 2017;21(1):137–41.
4. Temel Ş, Yüksel RC, Gündoğan K, Ülgey A, Güven M, Sungur M. Stress hyperglycemia incidence in critically ill patients: Cross-sectional observational study. *J Med Surg Intensive Care Med.* 2018;9(2):46–50.
5. Corstjens AM, van der Horst ICC, Zijlstra JG, Groeneveld ABJ, Zijlstra F, Tulleken JE, et al. Hyperglycaemia in critically ill patients: Marker or mediator of mortality? *Crit Care.* 2006;10(3):5–9.
6. Pakhetra R, Garg MK, Suryanarayana KM. Management of hyperglycemia in critical illness: Review of targets and strategies. *Med J Armed Forces India.* 2011;67(1):53–7.
7. Graham BB, Keniston A, Gajic O, Trillo Alvarez CA, Medvedev S, Douglas IS. Diabetes mellitus does not adversely affect outcomes from a critical illness. *Crit Care Med.* 2010;38(1):16–24.
8. Valizadeh Hasanloei MA, Shariatpanahi ZV, Vahabzadeh D, Vahabzadeh Z, Nasiri L, Shargh A. Non-diabetic Hyperglycemia and Some of Its Correlates in ICU Hospitalized Patients Receiving Enteral Nutrition. *Maedica (Buchar).* 2017;12(3):174–9.
9. Chan MC, Tseng J Sen, Hsu KH, Shih SJ, Yi CY, Wu CL, et al. A minimum blood glucose value less than or equal to 120 mg/dL under glycemic control is associated with increased 14-day mortality in nondiabetic intensive care unit patients with sepsis and stress hyperglycemia. *J Crit Care [Internet].* 2016;34:69–73. Available from: <http://dx.doi.org/10.1016/j.jcrc.2016.04.002>
10. Challenge A. in Hospitalized A Supplement to ACP Hospitalist. 2009;
11. Koyfman L, Brotfain E, Frank D, Bichovsky Y, Kovalenko I, Benjamin Y, et al. The clinical significance of hyperglycemia in nondiabetic critically ill multiple trauma patients. *Ther Adv Endocrinol Metab.* 2018;9(8):223–30.
12. Tamez-Pérez HE, Quintanilla-Flores DL, Proskauer-Peña SL, González-González JG, Hernández-Coria MI, Garza-Garza LA, et al. Inpatient hyperglycemia: Clinical

- management needs in teaching hospital. *J Clin Transl Endocrinol*. 2014;1(4):176–8.
13. Khan NA, Wang H, Anand S, Jin Y, Campbell NRC, Pilote L, et al. Ethnicity and sex affect diabetes incidence and outcomes. *Diabetes Care*. 2011;34(1):96–101.
  14. Gale EAM, Gillespie KM. Diabetes and gender. *Diabetologia*. 2001;44(1):3–15.
  15. DeFina LF, Vega GL, Leonard D, Grundy SM. Fasting glucose, obesity, and metabolic syndrome as predictors of type 2 diabetes: The cooper center longitudinal study. *J Investig Med*. 2012;60(8):1164–8.
  16. Yan Q, Sun D, Li X, Chen G, Zheng Q, Li L, et al. Association of blood glucose level and hypertension in Elderly Chinese Subjects: A community based study. *BMC Endocr Disord*. 2016;16(1):1–9.
  17. Poon AK, Juraschek SP, Ballantyne CM, Steffes MW, Selvin E. Comparative associations of diabetes risk factors with five measures of hyperglycemia. *BMJ Open Diabetes Res Care*. 2014;2(1):e000002.
  18. Pieralli F, Bazzini C, Fabbri A, Casati C, Crociani A, Corradi F, et al. The classification of hospitalized patients with hyperglycemia and its implication on outcome: results from a prospective observational study in Internal Medicine. *Intern Emerg Med*. 2016;11(5):649–56.
  19. Haroon Bilal DM, Tahir DM, Atif Khan DN. Acute Stroke; Study of Hyperglycemia in Non-Diabetic Patients. *Prof Med J*. 2016;23(07):789–94.
  20. Wernly B, Lichtenauer M, Hoppe UC, Jung C. Hyperglycemia in septic patients: an essential stress survival response in all, a robust marker for risk stratification in some, to be messed with in none. *J Thorac Dis*. 2016;8(7):E621–4.
  21. Shi J, Dong B, Mao Y, Guan W, Cao J, Zhu R, et al. Review: Traumatic brain injury and hyperglycemia, a potentially modifiable risk factor. *Oncotarget*. 2016;7(43):71052–61.
  22. Harris D, Barts A, Connors J, Dahl M, Elliott T, Kong J, et al. Glucocorticoid-induced hyperglycemia is prevalent and unpredictable for patients undergoing cancer therapy: An observational cohort study. *Curr Oncol*. 2013;20(6).
  23. González Infantino CA, González CD, Sánchez R, Presner N. Hyperglycemia and hypoalbuminemia as prognostic mortality factors in patients with enteral feeding. *Nutrition*. 2013;29(3):497–501.
  24. Güemes M, Rahman SA, Hussain K. What is a normal blood glucose? *Arch Dis Child*. 2016;101(6):569–74.
  25. Wood EJ. Harper's biochemistry 24th edition. Vol. 24, Biochemical Education. 1996. 237 p.
  26. Röder P V., Wu B, Liu Y, Han W. Pancreatic regulation of glucose homeostasis. *Exp Mol Med*. 2016;48(December 2015):e219.

27. Viana MV, Moraes RB, Fabbrin AR, Santos MF, Gerchman F. Avaliação e tratamento da hiperglicemia em pacientes graves. *Rev Bras Ter Intensiva*. 2014;26(1):71–6.
28. Singh VK. Stress Hyperglycemia - An Observational Study. 2014;2(3):63–6.
29. Clain J. Glucose control in critical care. *World J Diabetes*. 2015;6(9):1082.
30. Soelistijo SA, Novida H, Rudijanto A, Soewondo P, Suastika K, Manaf A, et al. Konsensus Pengendalian dan Pencegahan Diabetes Melitus Tipe 2 di Indonesia 2015 [Internet]. Perkeni. 2015. 78 p. Available from: <http://pbperkeni.or.id/doc/konsensus.pdf>
31. Coon PJ, Rogus EM, Drinkwater D, Muller DC, Goldberg AP. Role of body fat distribution in the decline in insulin sensitivity and glucose tolerance with age. *J Clin Endocrinol Metab*. 1992;75(4):1125–32.
32. Iglay HB, Thyfault JP, Apolzan JW, Campbell WW. Resistance training and dietary protein: Effects on glucose tolerance and contents of skeletal muscle insulin signaling proteins in older persons. *Am J Clin Nutr*. 2007;85(4):1005–13.
33. Chia CW, Egan JM, Ferrucci L. Age-related changes in glucose metabolism, hyperglycemia, and cardiovascular risk. *Circ Res*. 2018;123(7):886–904.
34. Tchkonia T, Morbeck DE, Von Zglinicki T, Van Deursen J, Lustgarten J, Scrable H, et al. Fat tissue, aging, and cellular senescence. *Aging Cell*. 2010;9(5):667–84.
35. Cartwright MJ, Schlauch K, Lenburg ME, Tchkonia T, Pirtskhalava T, Cartwright A, et al. Aging, depot origin, and preadipocyte gene expression. *Journals Gerontol - Ser A Biol Sci Med Sci*. 2010;65 A(3):242–51.
36. Supale S, Li N, Brun T, Maechler P. Mitochondrial dysfunction in pancreatic  $\beta$  cells. *Trends Endocrinol Metab* [Internet]. 2012;23(9):477–87. Available from: <http://dx.doi.org/10.1016/j.tem.2012.06.002>
37. Wong M, Gucciardi E. in Type 2 Diabetes. (6):215–20.
38. Kautzky-Willer A, Harreiter J, Pacini G. Sex and gender differences in risk, pathophysiology and complications of type 2 diabetes mellitus. *Endocr Rev*. 2016;37(3):278–316.
39. Alexopoulos AS, Fayfman M, Zhao L, Weaver J, Buehler L, Smiley D, et al. Impact of obesity on hospital complications and mortality in hospitalized patients with hyperglycemia and diabetes. *BMJ Open Diabetes Res Care*. 2016;4(1).
40. Martyn JA, Kaneki M, Yasuhara S. Obesity-induced insulin resistance and hyperglycemia: Etiologic factors and molecular mechanisms. *Anesthesiology*. 2008;109(1):137–48.
41. Soleimani M. Insulin resistance and hypertension: New insights. *Kidney Int* [Internet]. 2015;87(3):497–9. Available from: <http://dx.doi.org/10.1038/ki.2014.392>
42. Kolovou GD, Anagnostopoulou KK, Cokkinos D V. Pathophysiology of dyslipidaemia in

- the metabolic syndrome. Postgrad Med J. 2005;81(956):358–66.
43. Khardori R, Castillo D. Endocrine and metabolic changes during sepsis: An update. Med Clin North Am [Internet]. 2012;96(6):1095–105. Available from: <http://dx.doi.org/10.1016/j.mcna.2012.09.005>
  44. Cakir M, Altunbas H, Karayalcin U, Umpierrez GE, Kitabchi AE. Hyperglycemia: An independent marker of in-hospital mortality in patients with undiagnosed diabetes [1] (multiple letters). J Clin Endocrinol Metab. 2003;88(3):1402.
  45. Taylor JH, Beilman GJ. Hyperglycemia in the intensive care unit: No longer just a marker of illness severity. Surg Infect (Larchmt). 2005;6(2):233–45.
  46. Levy B. Lactate and shock state: The metabolic view. Curr Opin Crit Care. 2006;12(4):315–21.
  47. El Ouazzani J, Ghalem A, El Ouazzani G, Ismaili N, El Ouafi N. Management of hyperglycemia during and in the immediate follow-up of acute coronary syndrome. J Saudi Hear Assoc [Internet]. 2018;30(2):113–21. Available from: <https://doi.org/10.1016/j.jsha.2017.08.003>
  48. Egi M, Bellomo R, Stachowski E, French CJ, Hart G. Variability of blood glucose concentration and short-term mortality in critically ill patients. Anesthesiology. 2006;105(2):244–52.
  49. Szcudlik A, Slowik A, Turaj W, Wyrwicz-Petkow U, Pera J, Dziedzic T, et al. Transient hyperglycemia in ischemic stroke patients. J Neurol Sci. 2001;189(1–2):105–11.
  50. Fayyaz M, Rasheed A, Saba S, Hassan MS, Hussain Z. Frequency of hyperglycemia in non-diabetics presenting with acute stroke. Pakistan J Med Heal Sci. 2015;9(3):926–9.
  51. Godoy DA, Soler C, Videtta W, Castillo Fuenzalida L, Paranhos J, Costilla M, et al. Hyperglycemia in nondiabetic patients during the acute phase of stroke. Arq Neuropsiquiatr. 2012;70(2):134–9.
  52. Gosmanov AR, Umpierrez GE. Management of hyperglycemia during enteral and parenteral nutrition therapy. Curr Diab Rep. 2013;13(1):155–62.
  53. Ferris HA, Kahn CR. New mechanisms of glucocorticoid-induced insulin resistance: Make no bones about it. J Clin Invest. 2012;122(11):3854–7.
  54. AL-Jurayyan NAM, AL- Jurayyan AN., Al Issa SDA. Steroid- Induced Hyperglycemia: A Review. Int J Med Res Prof. 2016;2(6):2–5.
  55. Godinjak A, Iglica A, Burekovic A, Jusufovic S, Ajanovic A, Tancica I, et al. Hyperglycemia in Critically Ill Patients: Management and Prognosis. Med Arch (Sarajevo, Bosnia Herzegovina). 2015;69(3):157–60.
  56. Lee PG, Halter JB. The pathophysiology of hyperglycemia in older adults: Clinical considerations. Diabetes Care. 2017;40(4):444–52.

57. Abdelaziz O, Elhassan M, Magzoob M, Siddig A, Handady M, Alawad M. Prevalence and Risk Factors of Hyperglycemia among Diabetic and Non-Diabetic Rural Population in North Sudan. *Austin Med Sci* [Internet]. 2018;3(4):1031. Available from: <https://austinpublishinggroup.com/medical-sciences/fulltext/ams-v3-id1031.php>
58. Tsimihodimos V, Gonzalez-Villalpando C, Meigs JB, Ferrannini E. Hypertension and Diabetes Mellitus Coprediction and Time Trajectories. *Hypertension*. 2018;71(3):422–8.
59. Lambadiari V, Triantafyllou K, Dimitriadis GD. Insulin action in muscle and adipose tissue in type 2 diabetes: The significance of blood flow. *World J Diabetes*. 2015;6(4):626.
60. Chávez-Canales M, Arroyo JP, Ko B, Vázquez N, Bautista R, Castañeda-Bueno M, et al. Insulin increases the functional activity of the renal NaCl cotransporter. *J Hypertens*. 2013;31(2):303–11.
61. Anfossi G, Russo I, Doronzo G, Trovati M. Contribution of insulin resistance to vascular dysfunction. *Arch Physiol Biochem*. 2009;115(4):199–217.
62. Zhou MS, Liu C, Tian R, Nishiyama A, Raij L. Skeletal muscle insulin resistance in salt-sensitive hypertension: Role of angiotensin II activation of NF $\kappa$ B. *Cardiovasc Diabetol* [Internet]. 2015;14(1):1–9. Available from: ???
63. Pasquel FJ, Spiegelman R, McCauley M, Smiley D, Umpierrez D, Johnson R, et al. Hyperglycemia during total parenteral nutrition an important marker of poor outcome and mortality in hospitalized patients. *Diabetes Care*. 2010;33(4):739–41.
64. Verma S, Maitland A, Weisel RD, Li SH, Fedak PWM, Pomroy NC, et al. Hyperglycemia exaggerates ischemia-reperfusion-induced cardiomyocyte injury: Reversal with endothelin antagonism. *J Thorac Cardiovasc Surg*. 2002;123(6):1120–4.
65. Huang CY, Lin YS, Liu YH, Lin SC, Kang BH. Hyperglycemia crisis in head and neck cancer patients with platinum-based chemotherapy. *J Chinese Med Assoc* [Internet]. 2018;81(12):1060–4. Available from: <https://doi.org/10.1016/j.jcma.2018.05.008>
66. Greco G, Ferket BS, D'Alessandro DA, Shi W, Horvath KA, Rosen A, et al. Diabetes and the association of postoperative hyperglycemia with clinical and economic outcomes in cardiac surgery. *Diabetes Care*. 2016;39(3):408–17.
67. Donihi AC, Raval D. Original Article CORTICOSTEROID-RELATED HYPERGLYCEMIA. *Endocr Pract*. 2006;12(4):358–62.
68. Liu XX, Zhu XM, Miao Q, Ye HY, Zhang ZY, Li YM. Hyperglycemia induced by glucocorticoids in nondiabetic patients: A meta-analysis. *Ann Nutr Metab*. 2014;65(4):324–32.
69. Mazziotti G, Gazzaruso C, Giustina A. Diabetes in Cushing syndrome: Basic and clinical aspects. *Trends Endocrinol Metab* [Internet]. 2011;22(12):499–506. Available from: <http://dx.doi.org/10.1016/j.tem.2011.09.001>

