

## DAFTAR PUSTAKA

- Balasubramanyan N, Havens PL, Hoffman GM, 1999. Unmeasured anions identified by the Fencl-Stewart method predict mortality better than base excess, anion gap, and lactate in patients in the pediatric intensive care unit. Crit Care Med.27, p :1577-81.
- Barbosa MD, Cde AA, Filho HQ, 2006. [Assessment of metabolic acidosis in critically ill patients: method of Stewart-Fencl-Figge versus the traditional henderson-hasselbalch approach]. Rev Bras Ter Intensiva.18(4) p:380-4.
- Cunningham M, 2009. More Than Just A Kappa Efficient: A Program to Fully Characterized Inter Rater Reliability Between Two Rater, SAS Global Forum, p: 1-7.
- Fencl V, Jabor A, Kazda A, and Figge J, 2000. Diagnosis Of Metabolic Acid-Base Disturbances In Critically Ill Patients. Am J Respir Crit Care Med Vol 162. p: 2246-51.
- Fidkowski C & Helstrom J, 2009. BRIEF REVIEWS; Diagnosing metabolic acidosis in the critically ill: bridging the anion gap, Stewart, and base excess methods. Can J Anesth/J Can Anesth 56, p:247-56
- Gezer M, Bulucu F, Urk KO, Kılıç S, Kaldırım U, Eyi YM, 2015, Effectiveness of the Stewart Method in the Evaluationof Blood Gas Parameters. Turk J Emerg Med 5(1) p: 3-7.
- Gunnerson KJ, Saul M, He S, and Kellum JA, 2005. Lactate versus non-lactate metabolic acidosis: a retrospective outcome evaluation of critically ill patients. Critical Care Vol. 10( 1), :p 1-9.
- Halperin ML, Kamel KS & Goldstein MB, 2010. in Fluid, Electrolyte, and Acid-Base Physiology. A Problem-based Approach. Fourth Edition. Saunders Elsevier, Philadelphia, p: 50-60.
- Hatherill M, Wagstaff Z, Purves L, Reynolds L, Argent A, 2002. Correction Of The Anion Gap for Albumin in Order to Detect Occult Tissue Anions in Shock. Arch Dis Child, 87, p:526-9
- Hennessey IAM & Japp AG, 2007. Arterial Blood Gases Made Easy. Churchill Livingstone Elsevier, Philadelphia, p: 26-56.
- Hochman JS & Ingbar D, 2005. Cardiogenic Shock And Pulmonary Edema in *HARRISON'S PRINCIPLES OF Internal Medicine*. 16<sup>th</sup> Edition, Ed. Kasper DL et al., The McGraw-Hill Companies, p: 1612-18.
- Huijgen HJ, Soesan M, Sanders R, Mairuhu WM, Kesecioglu J, and Sanders GT, 2000. Magnesium Levels in Critically Ill Patients What Should We Measure? Am J Clin Pathol;11, p:688-95.
- Jung B, Rimmele T, Goff CL, Chanques G, Corne P, Jonquet O, *et all.*, Severe metabolic or mixed acidemia on intensive care unit admission: incidence, prognosis and administration of buffer therapy. a prospective, multiple-center study. Critical Care 15. Available from: <http://ccforum.com/content/15/5/R238>
- Kavanagh S, 2013. Metabolic Acidosis. Available from <http://patient.info/doctor/metabolic-acidosis>
- Kellum JA, 2002. Making Strong Ion Difference the “Euro” for Bedside acid Base Analysis. Crit Care 4, p: 675-84

- Klutts JS & Scott MG, 2006. Physiology and Disorders of Waters, Electrolytes and Acid-Base Metabolism in *Tietz Textbook of Clinical Chemistry and Molecular Diagnostics*. Edition 4<sup>th</sup>, Ed. Burtis CA, Ashwood ER and Bruns DE, Elsevier Saunders, Philadelphia. p: 1747-76
- Kraut JA & Madias NE, 2010. Metabolic Acidosis: Pathophysiology, Diagnosis And Management. *Nature Reviews Nephrology* 6, p: 274-85.
- Kurnia R, Alwi EH, & Hilmanto D, 2010. Perbandingan Metode *Fencl-Stewart* yang Disederhanakan dan *Figge-Stewart* dengan Metode *Henderson-Hasselbalch* untuk Diagnosis Asidosis Metabolik. Maj Kedokt Indon, Vol. 60(11) p: 506-11
- Lee YS, 2007. Clinical Significance of Strong Ion Gap: between ICU and Hemodialysis Patients with Metabolic Acidosis. *Electrolyte & Blood Pressure* 5, p:1-8.
- Mallat J, Michel D, Salaun P, Thevenin D, Tronchon L, 2012. Defining metabolic acidosis in patients with septic shock using Stewart Approach. *Am J Emerg Med.* 30(3) p:391-8.
- Moenadjat Y, Madjid A, Siregar P, Wibisono LK, Loho T, 2013. Gangguan Keseimbangan Air-Elektrolit dan Asam-basa. Badan Penerbit FKUI, Jakarta, p: 40-169.
- Morgan TJ, 2009. The Stewart Approach – One Clinician's Perspective. *Clin Biochem Rev.* vol 30, p: 41-54.
- Moviat M, Haren F, and Hoeven H, 2003. Research: Conventional or physicochemical approach in intensive care unit patients with metabolic acidosis. Available from: <http://ccforum.com/content/7/3/R41>
- Moviat M, Terpstra AM, Hoeven JG, Pickkers P, 2012. Impaired renal function is associated with greater urinary strong ion differences in critically ill patients with metabolic acidosis. *Journal of Critical Care* (27), p: 255–60.
- Naved SA, Siddiqui S & Khan FH, 2011. APACHE-II Score Correlation With Mortality And Length Of Stay In An Intensive Care Unit. *Journal of the College of Physicians and Surgeons Pakistan*, 21(1), p: 4-8. Available from: [http://ecommons.aku.edu/pakistan\\_fhs\\_mc\\_anaesth/1](http://ecommons.aku.edu/pakistan_fhs_mc_anaesth/1)
- Neligan PJ, 2005. Acid Base Balance in Critical Care Medicine. Available from: [www.AcidBaseBalanceinCriticalCareMedicine-NELIGAN.com](http://www.AcidBaseBalanceinCriticalCareMedicine-NELIGAN.com).
- Nguyen BV, Vincent JL, Hamm JB, Abalain JH, Carre JL, Nowak E, et al., 2009. The Reproducibility of Stewart Parameters for Acid-Base Diagnosis Using Two Central Laboratory Analyzers. *Anesth Analg*, 109 (5). p:1517–23.
- Oh MS, 2011. Evaluation Of Renal Function, Water, Electrolytes, And Acid-Base Balance in *Hendry's Clinical and Management by Laboratory Method*. Edition 22<sup>nd</sup>, Ed. McPerson R & Pincus M, Elsevier Saunders, Philadelphia, p: 147-69.
- Peters SG, 2008. Critical Care Medicine in *Mayo Clinic Internal Medicine Concise Textbook*. Ed. Habermann TM & Ghosh AK, Mayo Clinic Scientific Press, Canada. p:129-35.
- RAO NM, 2006. Water, Electrolytes And Acid Base Balance in *Medical Biochemistry* revised second edition. New Age International, New Delhi, p:629-40.

- Rastegar A, 2009. Clinical Utility of Stewart's Method in Diagnosis and Management of Acid-Base Disorders. *Clin J Am Soc Nephrol* 4, p: 1267–74.
- Rhoades R and Bell DR, 2013. Acid–Base Balance Disturbances in *Medical Physiology: Principles of Clinical Medicine* 4<sup>th</sup> edition. Wolters Kluwer Lippincott, p: 25-41.
- Rocktaeschel J, Morimatsu H, Uchino S, Goldsmith D, Poustie S, Story D, et al., 2003 Research. Acid–base status of critically ill patients with acute renal failure: analysis based on Stewart–Figge methodology. *Critical Care* 7 (4) Available from: <http://ccforum.com/content/7/4/R>.
- Sacher R & McPerson R, 2004. Pengaturan Asam Basa dan Elektrolit in *Tinjauan Klinis Hasil Pemeriksaan Laboratorium*. Ed. 11. Edisi Bahasa Indonesia. Editor Hartanto. EGC. Jakarta, p:320—40.
- Scott MG, LeGrys and Klutts JS, 2006. Electrolytes and Blood Gases in *Tietz Textbook of Clinical Chemistry and Molecular Diagnostics*. Edition 4<sup>th</sup>, Ed. Burtis CA, Ashwood ER and Bruns DE, Elsevier Saunders, Philadelphia. p: 983-1018.
- Sinaga R, Sukadi A, Somasetia DH, 2007. Agreement of simplified Fencl-Stewart with Figge-Stewart method in diagnosing metabolic acidosis in critically ill children. *Paediatr Indones*. 47, p:144-9.
- Singer GG & Brenner BM, 2005. Fluid And Electrolyte Disturbances in *HARRISON'S PRINCIPLES OF Internal Medicine*. 16<sup>th</sup> Edition, Ed. Kasper DL et al., The McGraw-Hill Companies, p: 252-71.
- Story DA, Morimatsu H and Bellomo R, 2004. Strong ions, weak acids and base excess: a simplified Fencl-Stewart approach to clinical acid-base disorders, *British Journal of Anaesthesia* 92 (1) p: 54-60.
- Story DA, Poustie S, Bellomo R, 2001. Quantitative Physical Chemistry Analysis of acid-base Disorders in Critically Ill Patients. *Anaesthesia* 56, p: 530-3
- Tuhay G, Pein MC, Masevicius FD, Kutscherauer FO and Dubin A, 2008. Severe hyperlactatemia with normal base excess: a quantitative analysis using conventional and Stewart approaches. *Critical Care* 12 (3) Available from: <http://ccforum.com/content/12/3/R66>
- Vincent JL & Moreno R, 2010. Clinical review: Scoring systems in the critically ill. *Critical Care* 14: 207. Available from: <http://ccforum.com/content/14/2/207>
- Wooten EW, 2004. Science review: Quantitative Acid–base Physiology Using the Stewart Model. *Critical Care* 8(6) p:448-52.
- Zheng C, Lu KC, Tseng CF, 2010. Acid-Base Approach: Stewart model. Division of Nephrology, Department of Medicine, Cardinal-Tien Hospital, School of Medicne, Fu-Jen Catholic University, Taiwan.