

DAFTAR PUSTAKA

- Belagavi, A. & Shalini, M. 2011. Cerebrospinal Fluid C Reactive Protein and Adenosine Deaminase in Meningitis in Adults. *The Journal of the Association of Physicians of India*; 59
- Bender, M., Haferkorn, K., Friedrich, M., Uhl, E., Stein, M. 2020. Impact of Early C-Reactive Protein/Albumin Ratio on Intra-Hospital Mortality Among Patients with Spontaneous Intracerebral Hemorrhage. *J. Clin. Med*; 9: 1236.
- Boldisen, J., Storgaard, M., Larsen, L., Wiese, L., Larsen, J., Lebech, A., *et al.*, 2018. Infectious meningitis and encephalitis in adults in Denmark: a prospective nationwide observational cohort study (DASGIB). *Clin Microbiol Infect*; 24:1102.e1e1102.e5
- Carson, P.J., Konewko, P., Wold, K., Mariani, P., Goli, S., Bergloff, P., *et al.*, 2006. Long-Term Clinical and Neuropsychological Outcomes of West Nile Virus Infection. *Clinical Infectious Diseases*; 43:723–30.
- Chow, C.C.N., Magnussen, J., Ip, J., Su, Y. 2020. Acute transverse myelitis in COVID-19 infection. *BMJ Case Rep*;13(8):e236720.
- Cunha, B.A. 2013. The clinical and laboratory diagnosis of acute meningitis and acute encephalitis. *Expert Opin. Med. Diagn*; 7: 4.
- Dahlan, S. 2014. *Membuat Proposal Penelitian Bidang Kedokteran dan Kesehatan*. Jakarta: Sagung Seto.
- Erdem, H., Ozturk-Engin, D., Tireli, H., Kilicoglu, G., Defres, S., Gulsun S., *et al.* 2015. Hamsi scoring in the prediction of unfavorable outcomes from tuberculous meningitis: results of Haydarpasa-II study. *J Neurol*; 262(4):890-8.
- Färkkilä, M., Tiainen, T., Koskiniemi, M. 1997. Epidemiology and prognosis of acute myelitis in Southern Finland. *J Neurol Sci*;152(2):140-6.
- Feketea, G.M. & Vlacha, V. 2020. The Diagnostic Significance of Usual Biochemical Parameters in Coronavirus Disease 19 (COVID-19): Albumin to Globulin Ratio and CRP to Albumin Ratio. *Front. Med*; 7:566591.

- Gray, B.M., Simmons, D., Mason, H., Barnum, S., Volanakis, J.E. 1985. Quantitative levels of C-reactive protein in cerebrospinal fluid in patients with bacterial meningitis and other conditions. *The Journal of Pediatrics*; 108:665-670.
- Hamsa, B.T., Srinivasa, S.V., Raveesha, A. 2020. C-reactive protein/albumin ratio as a predictor of 28 day mortality in patients with sepsis. *Int J Res Med Sci*;8(2):503-507.
- Harzheim, M., Schlegel, U., Urbach, H., Klockgether, T., Schmidt, S. 2004. Discriminatory features of acute transverse myelitis: a retrospective analysis of 45 patients. *J Neurol Sci* ;217(2):217-23.
- Hasbun, R., Garcia, M., Kellaway, J., Baker, L., Salzar, L., Woods, S.P., *et al.*, 2016. West Nile Virus Retinopathy and Associations with Long Term Neurological and Neurocognitive Sequelae. *PLoS ONE*; 11(3): e0148898.
- Ibrahim, K.A., Abdel-Wahab, A.A., Ibrahim, A.S. 2011. Diagnostic value of serum procalcitonin levels in children with meningitis: a comparison with blood leukocyte count and C-reactive protein. *J Pak Med Assoc*; 61(4):346-51.
- Idicula, T., Brogger, J., Naess, H., Andreassen, U., Thomassen, L. 2009. Admission C – reactive protein after acute ischemic stroke is associated with stroke severity and mortality: The 'Bergen stroke study'. *BMC Neurology*; 9:18.
- Imran, D., Estiasari, R., Mahariani K., Sucipto, Lestari, D.C., *et al.*, 2018. Presentation, etiology, and outcome of brain infections in an Indonesian hospital. *American Academy of Neurology*; 8:1-10.
- Kalita, J. & Misra, U.K. 1998. EEG changes in tuberculous meningitis: a clinicoradiological correlation. *Electroencephalography and clinical Neurophysiology*; 107: 39–43.
- Karabag, Y., Cagdas, M., Rencuzogullari, I., Karakoyun, S., Artac, I., Ilis, D., *et al.*, 2018. Usefulness of The C-Reactive Protein/Albumin Ratio for Predicting No-Reflow in ST-elevation myocardial infarction treated with primary percutaneous coronary intervention. *European Journal Of Clinican Investigation*; 48: 6.
- Karakoyun, I., Colak, A., Turken, M., Altin, Z., Arslan, F.D., Iyilikci, V., *et al.*, 2021. Diagnostic utility of C-reactive protein to albumin ratio as an early

warning sign in hospitalized severe COVID-19 patients. *International Immunopharmacology*; 91: 107285.

- Kim, M.H., Ahn, J.Y., Song, J.E., Choi, H., Ann, H.W., Kim, J.K., *et al.*, 2015. The C-Reactive Protein/ Albumin Ratio as an Independent Predictor of Mortality in Patients with Severe Sepsis or Septic Shock Treated with Early Goal-Directed Therapy. *PLoS ONE*; 10(7): e0132109.
- Kwizera, R., Akampurira, A., Williams, D., Boulware, D.R., Meya, D.B. 2017. Acridine orange fluorescent microscopy is more sensitive than India ink light microscopy in the rapid detection of cryptococcosis among CrAg positive HIV patients. *PLoS ONE*; 12:7
- Li, Y.J., Yao, K., Lu, M., Zhang, W., Xiao, C., Tu, C. 2017. Prognostic value of the C-reactive protein to albumin ratio: a novel inflammation based prognostic indicator in osteosarcoma. *OncoTargets and Therapy*; 10: 5255–5261.
- Liu Y., Yang, Y., Zhang, C., Huang, F., Wang, F., Yuan, J., *et al.* 2020. Clinical and biochemical indexes from 2019-nCoV infected patients linked to viral loads and lung injury. *Sci China Life Sci*; 63(3):364-374.
- McGill, F., Heyderman, R.S., Michael, B.D., Defres, S., Beeching, N.J., Borrow, R., *et al.*, 2016. The UK joint specialist societies guideline on the diagnosis and management of acute meningitis and meningococcal sepsis in immunocompetent adults. *Journal of Infection*; 72: 405-438.
- Misra, U.K., Kalita, J., Roy, A.K., Mandal, S., Srivastava, M. 2000. Role of clinical, radiological, and neurophysiological changes in predicting the outcome of tuberculous meningitis: a multivariable analysis. *J Neurol Neurosurg Psychiatry*; 68: 300–303.
- Misra U.K., Kalita, J., Srivasta, R., Nair, P.P., Mishra, M.K., Basu, A. 2010. A study of cytokines in tuberculous meningitis: Clinical and MRI correlation. *Neuroscience Letters*; 483: 6–10.
- Murray C.J. 2018. Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet*; 392: 1789-858.
- Nakamura, K., Ogura L., Nakano, H., Naraba, H., Takahashi, Y., Sonoo, T., *et al.*, 2020. C-reactive protein clustering to clarify persistent inflammation, immunosuppression and catabolism syndrome. *Intensive Care Med*; 46: 437–443.

- Noureldein, M., Mardare, R., Pickard, J., Shing, H.L., Eisenhut, M. 2018. Cerebrospinal fluid protein and glucose levels in neonates with a systemic inflammatory response without meningitis. *Fluids Barriers CNS*; 15:8.
- Oh, J., Kim, S.H., Park, K.N., Oh, S.H., Kim, Y.M., Kim, H.J., *et al.*, 2017. High-sensitivity C-reactive protein/ albumin ratio as a predictor of inhospital mortality in older adults admitted to the emergency department. *Clin Exp Emerg Med*; 4(1):19-24.
- Park, J.E., Chung, K.S., Song, J.H., Kim, S.Y., Kim, E.Y., Jung, J.Y., *et al.*, 2018. The C-Reactive Protein/Albumin Ratio as a Predictor of Mortality in Critically Ill Patients. *J. Clin. Med*; 7: 333.
- Peltola, H.O. 1982. C-Reactive protein for rapid monitoring of infections of the central nervous system. *The Lancet*; 319: 980-983.
- Perdossi. 2019. *Modul Neuroinfeksi*. Malang: UB Press
- Radmard, S., Reid, S., Ciryam, P., Boubour, A., Ho, N., Zucker, J., *et al.*, 2019. Clinical Utilization of the FilmArray Meningitis/Encephalitis (ME) Multiplex Polymerase Chain Reaction (PCR) Assay. *Frontiers in Neurology*; 10:281.
- Ranzani, O.T., Zampieri, F.G., Forte, D.N., Azevedo, L.C., Park, M. 2013. C-Reactive Protein/Albumin Ratio Predicts 90-Day Mortality of Septic Patients. *PLoS ONE*; 8(3): e59321.
- Rodríguez, Y., Rojas, M., Pacheco, Y., Ampudia, Y.A., Sanatan, C.R., Monsalve, D.M., *et al.* 2018 Guillain-Barré syndrome, transverse myelitis and infectious diseases. *Cell Mol Immunol* ;15: 547–562.
- Singh, N., Aora, S., Kahlon P. 1995. Cerebrospinal Fluid C-Reactive Protein in Meningitis. *Indian Pediatric Journal*; 32.
- Soeters, P.B., Wolfe, R.R., Shenkin, A. 2019. Hypoalbuminemia: pathogenesis and clinical significance. *Journal of Parenteral and Enteral Nutrition*; 43: 181-193
- Solomon, T., Michael B.D., Smith, P.E., Sanderson, F., Davies, N., Hart, I.J., *et al.*, 2012. Management of suspected viral encephalitis in adults e Association of British Neurologists and British Infection Association National Guidelines. *Journal of Infection*; 64:347-373.

- Sun, P., Chen, C., Xia, Y., Bi, X., Liu P., Zhang, F., *et al.*, 2017. The Ratio of C-Reactive Protein/Albumin is a Novel Inflammatory Predictor of Overall Survival in Cisplatin-Based Treated Patients with Metastatic Nasopharyngeal Carcinoma. *Disease Markers*; 2017: 9.
- Sutinen J., Sombrero, L., Paladin F.J., Julkunen, I., Leiniki, P., Hernandez, E., *et al.*, 1998. Etiology of Central Nervous System Infections in the Philippines and the Role of Serum C-Reactive Protein in Excluding Acute Bacterial Meningitis. *International Journal of Infectious Diseases*;3: 2.
- Vincent, J.L., Dubois, M.J., Navickis, R.J., Wilkes, M.M. 2003. Hypoalbuminemia in acute illness: Is there a rationale for intervention? A meta-analysis of cohort studies and controlled trials. *Ann. Surg*; 237:319–334.
- Wang, J., Wu, X., Tian, Y., Li, X., Zhao, X., Zhang, M. 2018. Dynamic changes and diagnostic and prognostic significance of serum PCT, hs-CRP and s-100 protein in central nervous system infection. *Exp Ther Med*;16(6):5156-5160.
- Wang, R., He, M., Ou, X., Xie, X., Kang, Y. 2020. CRP Albumin ratio is positively associated with poor outcome in patients with traumatic brain injury. *Clinical Neurology and Neurosurgery*; 195:106051.
- Winbeck, K., Poppert, H., Etgen, T., Conrad, B., Sander, D. 2002. Prognostic Relevance of Early Serial C-Reactive Protein Measurements After First Ischemic Stroke. *Stroke*; 33:2459–2464.
- Xu, H., Ma, Y., Deng, F., Ju, W., Sun, X., Wang, H. 2017. The prognostic value of C-reactive protein/albumin ratio in human malignancies: an updated metaanalysis. *OncoTargets and Therapy*;10: 3059–3070.
- Yildirim, T., Kiris, T., Avci, E., Yildirim, S.E., Argan, O., Safak, O., *et al.*, 2020. Increased Serum CRP-Albumin Ratio Is Independently Associated With Severity of Carotid Artery Stenosis. *Angiology*; 71: 740-746.
- Zhang, D., Yan, H., Wei, Y., Liu, X., Liu, X., Zhuang, Z., *et al.*, 2019. C-Reactive Protein/Albumin Ratio Correlates With Disease Severity and Predicts Outcome in Patients With Aneurysmal Subarachnoid Hemorrhage. *Front. Neurol.* 10:1186.