



## DAFTAR PUSTAKA

- An, X., Mao, H.P., Wei, X., 2012. Elevated Neutrophil to Lymphocyte Ratio Predicts Overall and Cardiovascular Mortality in Maintenance Peritoneal Dialysis Patients. *Int Urol Nephrol* 44:1521–1528. [Epub ahead of print].
- Betta, R., dan Corsini, A., 2010. Role of Polymorphonuclear Neutrophils in Atherosclerosis: Current State and Future Perspectives. *Atherosclerosis* 210 (1): 1-13.
- Bailie, G.R., dan Eisele, G., 1992. Continuous Ambulatory Peritoneal Dialysis: A New os Its Mechanics, Advantages, Complication, and Areas of Controversy. *Annals of Pharmacotherapy*. (26): 1409-1420
- Baroni, G., Schuinski, A., Moraes, T.P.D., Meyer, F., Filho, R.P., 2012. Inflammation and The Peritoneal Membrane: Causes and Impact on Structure and Function During Peritoneal Dialsis. *Mediators of Inflamm* 1-4.
- Cai, K., Luo, Q., Zhu, B., Han, L., Wu, D., Dai, Z., Wang, K., 2016. Neutrophil-Lymphocyte Ratio is Associated with Arterial Stiffness in Patients with Peritoneal Dialysis. *BMC Nephrology* 17: 191.
- Cho, Y., Johnson, D.W., Vesey, D.A., Hawley, C.M., Pascoe, E.M., Clarke, M., Topley, N., 2014. Dialysate Interleukin-6 Predicts Increasing Peritoneal Solute Transport Rate in Incident Peritoneal Dialysis Patients. *BMC Nephrology* 15: 8.
- Chugh, S., Chaundhry, S., Ryan, T., Margetts, P.J., 2014. Peritoneal Membrane Injury and Peritoneal Dialysis. *Advances in Nephrology* 1-10.
- Davies, S.J., 2014. Peritoneal Solute Transport and Inflammation. *American Journal of Kidney Disease* 64 (6): 978-986.
- Devuyst, O., Margetts, P.J., Topley, N., 2010. The Pathophysiology of The Peritoneal Membrane. *J Am Soc Nephrol* 21: 1077–1085.
- Dupont, W.D., Plummer, W.D., 1998 . Power and Sample Size Calculations for Studies Involving Linear Regression. *Controlled Clinical Trials* 19:589-6
- Forget, P., Khalifa, C., Defour, J.P., Latinne, D., Pel, M.C.V., Kock, M.D., 2017. What is The Normal Value of The Neutrophil-to-Lymphocyte Ratio? *BMC Res Notes* 10-12.
- Gabay, C., 2006. Interleukin-6 and Chronic Inflammation. *Arthritis Research & Therapy* 1-6.
- Ghoul, B.E., Daaboul, Y., Korjian, S., Alam, A.E., Mansour, A., Hariri, E., Samad, S., Salameh, P., Dahdah, G., Blacher, J., Safar, M.E., Bahous, S.A., 2017. Etiology of End-Stage Renal Disease and Arterial Stiffness among Hemodialysis Patients. *BioMed Research International*.
- Glaudie, J. C., Richards, D., Harnish, P., Lansdorp., Baumann, H., 1987. Interferon B2/B-Cell Stimulatory Factor Type 2 Shares Identity with Monocyte-Derived Hepatocyte-Stimulating Factor and Regulates The Major Acute Phase Protein Response in Liver Cells. *Proc Natl Acad Sci USA* 7251-7255.



- Goldman, M.P., Moulart, V.J., Amraouzi, Z., Abramowicz, D., Nortier, J., Vanherweghem, J.L., Fiers, W., 1990. Intraperitoneal Secretion of Interleukin-6 During Continuous Ambulatory Peritoneal Dialysis. *Nephron* 3: 277-280.
- Guragac, A., dan Demirer, Z., 2016. The Neutrophil-to-Lymphocyte Ratio in Clinical Practice. *Can Urol Assoc J* 10 (3-4): 141-142.
- Gurel, A., Dogukan, A., Celiker, H., Ulu, R., Yigit, I.P., Aygen, B., 2015. Neutrophil to Lymphocyte and Platelet to Lymphocyte Ratios in Peritoneal Dialysis-Related Peritonitis. *Turk Neph Dial Transpl* 24 (2): 158-161.
- Heimbürger, O., Waniewski, J., Werynski, A., Tranaeus, A., Lindholm, B., 1990. Peritoneal Transport in CAPD Patients with Permanent Loss of Ultrafiltration Capacity. *Kidney Int* 38 (3): 495-506.
- Herbelin, A., Urena, P., Nguyen, A.T., Zingraff, J., Latscha, D.B., 1991. Elevated Circulating Levels of Interleukin-6 in Patients with Chronic Renal Failure. *Kidney International* 39: 954-960.
- Huber, S.A., Sakkinnen, P., Conze, D., Hardin, N., Tracy, R., 1999. Interleukin-6 Exacerbates Early Atherosclerosis in Mice. *Arterioscler Thromb Vasc Biol* 19: 2364-2367.
- Hulley, S.B., Cummings, S.R., Browner, W.S., Grady, D., Newman, T.B., 2013. *Designing Clinical Research: An Epidemiologic Approach*. 4<sup>th</sup> ed. Philadelphia Lippincott William & Wilkins. Appendik 6C page 79.
- IRR, 2016. *9<sup>th</sup> Annual Report of Indonesian Renal Registry*. Bandung: PERNEFRI.
- Khanna, R., 2006. Peritoneal Inflammation and High Transport Status. *Clin J Am Soc Nephrol* 1 (2): 167-169.
- Kopf, M., Baumann, H., Freer, G., Freudenberg, M., Kishimoto, T., Zinkernagel, R., Bleuthmann, H., Kohler, G., 1994. Impaired Immune and Acute-Phase Responses in Interleukin-6-Deficient Mice. *Nature* 368: 339-342.
- Lambie, M.J., Chess., Donovan, K.L., Kim, YL., Do, J.Y., Lee, H.B., Noh, H., 2013. Independent Effects of Systemic and Peritoneal Inflammation on Peritoneal Dialysis Survival. *J Am Soc Nephrol* 24 (12): 2071-2080.
- Mancia, G., Becker, G.D., Dominiczak, A., Cifkova, R., Fagard, R., Germano, G., Grassi, G., AM Heagerty, A.M., 2007. Guidelines for The Management of Arterial Hypertension: The Task Force for The Management Arterial Hypertension of The European Society of Hypertension (ESH) and of The European Society of Cardiology (ESC). *J Hypertens* 25: 1105-1187.
- Marron., Remon, B., Fontan, C., Quiros, M., Ortiz, P., 2008. Benefits of Preserving Residual Renal Function in Peritoneal Dialysis. *International Society of Nephrology*. Spanyol.
- Mehrotra, R., Ravel, V., Streja, E., Kuttykrishnan, S., Adams, S.V., Katz, R., Molnar, M.Z., Zadeh, K.K., 2015. Peritoneal Equilibration Test and Patient Outcomes. *Clin J Am Soc Nephrol* 10 (11): 1990-2001.
- Misra, M., dan Khanna, R., 2014. The Clinical Interpretation of Peritoneal Equilibration Test. *Seminars in Dialysis*, 12: 602-606.
- Nakahama, H., Tanaka, Y., Shirai, D., Miyazaki, M., Imai, N., Yokokawa, T., Okada, M., Kubori, S., 1992. Plasma Interleukin-6 Levels in Continuous



Ambulatory Peritoneal Dialysis and Hemodialysis Patients. *Nephron* 2: 132-134.

- Nunez, J., Sanchis, J., Bodi, V., Núñez, E., Mainar, L., Heatta, A.M., Husser, O., 2009. Relationship Between Low Lymphocyte Count and Major Cardiac Events in Patients with Acute Chest Pain, A Non-Diagnostic Electrogram and Normal Troponin Levels. *Atherosclerosis* 206 (1): 251–257.
- Okyay, G.U., Inal, S., Onec,K., Er, R.E., Pasaoglu, O., Pasaoglu, H., Derici, U., Erten, Y., 2012. Neutrophil to Lymphocyte Ratio in Evaluation of Inflammation in Patients with Chronic Kidney Disease. *Renal Failure* 1-8.
- Pannekeet, M.M., Imholz, A.L., Struijk, D.G., Koomen, G.C., Langedijk, M.J., Schouten, N., de Waart, R., Hiralall, L., Krediet, R.T., 1995. The Standard Peritoneal Permeability Analysis: A Tool for The Assessment of Peritoneal Permeability Characteristics in CAPD Patients. *Kidney Int* 48 (3): 866.
- Rodby, R.A., Firanek, C.A., Sarpolis, A.L., 1999. Re-Evaluation of Solute Transport Groups Using The Peritoneal Equilibration Test. *Perit Dial Int* 19 (5): 438.
- Scheller, J., Chalaris, A., Arras, D.S., John, S.R., 2011. The Pro- and Anti-Inflammatory Properties of The Cytokine Interleukin-6. *Biochimica et Biophysica Acta* 878-888.
- Shinohara, K., Shoji, T., Tsujimoto, Y., Kimoto, E., Tahara, H., Koyama, H., Emoto, M., 2004. Arterial Stiffness in Predialysis Patients. *Kidney In* 65 (3): 936–943.
- Stenvinkel, P., Heimbürger, O., Lindholm, B., Kaysen, G.A., Bergstrom, J., 2000. Are There Two Types of Malnutrition in Chronic Renal Failure? Evidence for Relationships between Malnutrition, Inflammation and Atherosclerosis (MIA Syndrome). *Nephrol Dial Transplant* 15: 953-960.
- Su, H., Lei, C.T., Zhang, C.T., 2017. Interleukin-6 Signaling Pathway and Its Role in Kidney Disease: An Update. *Front Immunol* 8: 405.
- Takahashi, T., Kubota, M., Nakamura, T., Ebihara, I., Koide, H., 2000. Interleukin-6 Gene Expression in Peripheral Blood Mononuclear Cells from Patients Undergoing Hemodialysis or Continuous Ambulatory Peritoneal Dialysis. *Ren fail* 22: 345-354.
- Tanaka, H., Munakata,M., Kawano, Y., Ohishi, M., Shoji,T., Sugawata, J., Tomiyama, H., Yamashina, A., Yasuda, H., 2009. Comparison between Carotid-Femoral and Branchial-Ankle Pulse Wave Velocity as Measures of Arterial Stiffness. *J Hypertens* 27: 2022-2027.
- Taranu, T., Florea, L., Paduraru, D., Georgescu, S.O., Francu, L.L., Stan, C.I., 2014. Morphological Changes of The Peritoneal Membrane in Patients with Long-Term Dialysis. *Rom J Morphol Embryol* 55 (3): 927-932.
- Turkmen, K., Guney, I., Yerlikaya, F.H., Tonbul, H.Z., 2012. The Relationship between Neutrophil-to-Lymphocyte Ratio and Inflammation in End-Stage Renal Disease Patients. *Fen Fail* 34: 155-159.
- Twardowski, Z.J., Nolph, K.D., Prowant, R., Khanna, B.F., Ryan, L.P., Moore, H.L., Nielse, M.P., 1987. Peritoneal Equilibration Test. *Perit Dial Int* 7 (3): 138-148.



UNIVERSITAS  
GADJAH MADA

**Perbedaan Rasio Neutrofil Limfosit Darah Dan Interleukin-6 Dialisat Berdasarkan Tipe Membran Peritoneum Pasien Continuous Ambulatory Peritoneal Dialysis**

BARKAH DJAKA P, dr Iri Kuswadi SpPD-KGH;dr R Heru Prasanto SpPD-KGH

Universitas Gadjah Mada, 2021 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Xiong, L., Chao, S., Xu, F., Zhou, Q., Fan, L., Xu, Q., Yu, X., M, H., 2015.

Association of Body Mass Index and Body Mass Index Change with Mortality in Incident Peritoneal Dialysis Patients. *Nutrients*. Oct; 7(10): 8444–8455.