

## DAFTAR PUSTAKA

- Ahn, S. S., Yoo, J., Jung, S. M., Song, J. J., Park, Y.-B., & Lee, S.-W. (2020). Comparison of clinical features and outcomes between patients with early and delayed lupus nephritis. *BMC Nephrology*, 21(1). <https://doi.org/10.1186/s12882-020-01915-5>
- Allam, N., Gaber. W., and Helaly, M., 2017. "Antibody Clustering in Systemic lupus Erythematosus and their clinical correlates" *EJAE* 4(8): 218–226.
- Amer, A. S., Abdel moneam, S. M., Hashaad, N. I., Yousef, E. M., & Abd El-Hassib, D. M. (2024). Clinico-serological associations of urinary activated leukocyte cell adhesion molecule in systemic lupus erythematosus and lupus nephritis. *Clinical Rheumatology*, 43(3), 1015–1021. <https://doi.org/10.1007/s10067-024-06883-x>
- Arora V, Mondal AM, Grover R, Kumar A, Chattopadhyay P, Das N: Modulation of CR1 transcript in systemic lupus erythematosus (SLE) by IFN-gamma and immune complex. *Mol Immunol* 2007;44:1722–1728.
- Azmiyatie, M. A., Umboh, A., & Umboh, V. (2023). Gambaran klinik dan laboratorium glomerulonefritis akut pasca streptokokus pada anak. *E-CliniC*, 12(1), 47-56. <https://doi.org/10.35790/ecl.v12i1.45235>
- Bai, Y., Tong, Y., Liu, Y., & Hu, H. (2018). Self-dsDNA in the pathogenesis of systemic lupus erythematosus. *Clinical and experimental immunology*, 191(1), 1–10. <https://doi.org/10.1111/cei.13041>.
- Barbhaiya, M., and Costenbader, K. H., 2016 "Environmental exposures and the development of systemic lupus erythematosus" *Current Opinion in Rheumatology* 28(5): 497–505. doi: 10.1097/BOR.0000000000000318.
- Birmingham, D. J., Merchant, M., Waikar, S. S., Nagaraja, H., Klein, J. B., & Rovin, B. H. (2017). Biomarkers of lupus nephritis histology and flare: deciphering the relevant amidst the noise. *Nephrology Dialysis Transplantation*, 32(suppl\_1), i71–i79. <https://doi.org/10.1093/ndt/gfw300>
- Cansu, D. Ü., Teke H. U., and Korkmaz C., 2017 "Survival Analysis of Turkish Patients with Systemic Lupus Erythematosus: Older Age at Diagnosis Affects Mortality" *Archives of Rheumatology* 32(2): 141–148. doi: 10.5606/ArchRheumatol.2017.6173.
- Carter J, Tomson C.R.V, Stevens P.E, Lamb E.J., 2006. Does Urinary tract Infection Cause Proteinuria or microalbuminuria ? A systematic Review. *Nephrol Dial Transplant* 21: 3031–3037. doi:10.1093/ndt/gfl373.
- Carter, E. E., Barr, S. G., and Clarke, A. E. 2016 "The global burden of SLE: prevalence, health disparities and socioeconomic impact" *Nature Reviews Rheumatology* 12(10): 605–620. doi: 10.1038/nrrheum.2016.137.
- Cervera, R., Khamashta, M. A., Font, J., Sebastiani, G. D., Antonio, G., Lavilla, P., et al., 2003 "Morbidity and mortality in systemic lupus erythematosus during a 10-year period: A comparison of early and late manifestations ina cohort of 1,000 patients" *Medicine* 82(5): 299–308. doi: 10.1097/01.md.0000091181.93122.55.

- Chu, D., Schwartz, N., Ampudia, J., Guthridge, J., James, J., Buyon, J., Connelly, S., Fung, M., Ng, C., Ra, S. /, Petri, M., & Mohan, C. (2022). *SLE-Diagnosis, Manifestations, and Outcomes Poster II: Manifestations Session Type: Poster Session C Urine ALCAM Is a Strong Predictor of Lupus Nephritis*. <https://acrabstracts.org/abstract/urine-alcam-is-a-strong-predictor-of-lupus-nephritis/>
- Cunha, J. S., & Gilek-Seibert, K. (2016). Systemic lupus erythematosus: A review of the clinical approach to diagnosis and update on current targeted therapies. *Rhode Island Medical Journal*, 99(12), 23.
- Dalmasso AP: Complement in the patho- physiology and diagnosis of human diseases. *Crit Rev Clin Lab Sci* 1986;24:123–183.
- Davidson, M.B., Smiley J.F., 1999. Relationship between dipstick positive proteinuria and albumin : creatinine ratios. *J Diabetes Complications*;13(1):52-5.
- Delgado-García, G., Galarza-Delgado, D. A., Colunga-Pedraza, I., Borjas-Almaguer, O. D., Mandujano-Cruz, I., Benavides-Salgado, D., et al. (2016) “Mean Platelet Volume is Decreased in Adults with Active Lupus Disease” *Revista Brasileira De Reumatologia* 56(6): 504–508. doi: 10.1016/j.rbre.2016.03.003.
- Ding, H., Lin, C., Cai, J., Guo, Q., Dai, M., Mohan, C., & Shen, N. (2020). Urinary activated leukocyte cell adhesion molecule as a novel biomarker of lupus nephritis histology. *Arthritis Research & Therapy*, 22(1), 122. <https://doi.org/10.1186/s13075-020-02209-9>
- El-Gendi, M. and AHMED, M. (2018). Urinary kidney injury molecule 1 (u-kim-1) as a predictor of lupus nephritis. *The Medical Journal of Cairo University*, 86(9), 2621-2631. <https://doi.org/10.21608/mjcu.2018.58066>
- Farid, A., Almola, T. A., & Safwat, G. (2020). Complement as a predictive biomarker of lupus nephritis in female patients with systemic lupus erythematosus. *International Journal of Cancer and Biomedical Research*, 0(0), 0-0. <https://doi.org/10.21608/jcbr.2020.32780.1046>
- G. C. Tsokos, “Systemic lupus erythematosus,” *The New England Journal of Medicine*, vol. 365, no. 22, pp. 2110–2121, 2011.
- Gaboriaud C, Thielens NM, Gregory LA, Ros- si V, Fontecilla-Camps JC, Arlaud GJ: Structure and activation of the c1 complex of complement: unraveling the puzzle. *Trends Immunol* 2004;25:368–373.
- Gandasoebrata. 2007. *Penuntun Laboratorium*. Jakarta : Dian Rakyat.
- Gergianaki I, Fanouriakis A, Repa A, et al. Epidemiology and burden of systemic lupus erythematosus in a southern European population: data from the community-based lupus Registry of Crete, Greece. *Ann Rheum Dis* 2017;76:1992–2000.
- Ginzler, E., and Tayar, J. American College of Rheumatology. © 2012 American College of Rheumatology. (Updated January 2012).
- Gladman DD, Urowitz MB, Kagal A, Hallet D. Accurately describing changes in disease activity in systemic lupus erythematosus. *J Rheumatology*. 2000;27(2):377-9.

- Griffiths B, Mosca M, Gordon C. Assesment of patients with systemic lupus erythematosus and the use of lupus disease activity indices. *Best Pract Res Clin Rheumatology*.2005;19:85-708.
- Han BK, Rathwell E, Ng B, Wener M. Evaluation of Erythrocyte Sedimentation Rate As a Marker of Disease Activity in Patients with Systemic Lupus Erythematosus. *Arthritis Rheumatol*. 2018; 70 (suppl10). <https://acrabstracts.org/abstract/evaluation-of-erythrocyte-sedimentation-rate-as-a-marker-of-disease-activity-in-patients-with-systemic-lupus-erythematosus/>. Accessed August 30, 2022
- Handono, K., Gunawan, A., Rosandi, R. 2012 ‘Kadar Autoantibodi dan Manifestasi Klinis pada Pasien Nefritis Lupus Silent dan Nefritis Lupus Overt’, *Media Medika Indonesiana*, 46(5), pp. 194–199.
- Hasdianah, & Suprpto, S. I. (2014). *Patologi dan Patofisiologi Penyakit*.
- Isenberg DA, Ramsey-Goldman R, Gladman D, Hanly JG: The Systemic Lupus International Collaborating Clinics (SLICC) group - it was 20 years ago today. *Lupus* 2011, 20(13):1426-1432.
- Jayani, I., Handono, K., & E, A. T. (2013). Hubungan kadar tgf- $\beta$ 1 dan ifn- $\epsilon$  dengan indeks kronisitas nefritis lupus. *Jurnal Kedokteran Brawijaya*, 27(1), 16-20. <https://doi.org/10.21776/ub.jkb.2012.027.01.3>
- Kasjmir Y.I., Handono K, Wijaya L.K., Hamijoyo L., Albar, Z., Kalim, H *et al*. 2011. *Rekomendasi Perhimpunan Reumatologi Indonesia untuk Diagnosis dan Pengelolaan Lupus Eritematosus Sistemik*. Jakarta: Perhimpunan Reumatologi Indonesia.
- Kim YU, Kinoshita T, Molina H, Hourcade D, Seya T, Wagner LM, Holers VM: Mouse complement regulatory protein Crry/p65 uses the specific mechanisms of both human decayaccelerating factor and membrane cofactor protein. 1995. *J Exp Med*. 181: 151–159.
- Krishnaswamy, N., Marwaha, V., Shanmuganandan, K., & Shankar, S. 2010. Correlation between systemic lupus erythematosus disease activity index, c3, c4 and anti-dsna antibodies. *Medical Journal Armed Forces India*, 66(2), 102-107. [https://doi.org/10.1016/s0377-1237\(10\)80118-2](https://doi.org/10.1016/s0377-1237(10)80118-2)
- Lam, G. K. W., and Petri, M., 2005. “Assessment of systemic lupus erythematosus” *Clinical and Experimental Rheumatology* 23(Suppl. 39): S120-S132.
- Lestari, C. 2011. Gambaran Sedimen Urine Pada Masyarakat Yang Mengkonsumsi Air Jerigen Tak Bermerek. [[http://digilib.unimus.ac.id/gdl.php?mod=browse&op=read&id=jtptuni\\_mus-gdl-ciciklesta-6198](http://digilib.unimus.ac.id/gdl.php?mod=browse&op=read&id=jtptuni_mus-gdl-ciciklesta-6198)].
- Luo, F., Chen, Y., Xie, J., Zeng, Y., Wei, J., Liu, R., ... & Zhou, D. (2024). Research on the correlation between rash and complement c3, c4 levels and the occurrence and development of lupus nephritis.. <https://doi.org/10.21203/rs.3.rs-4516028/v1>
- Mazur-Nicorici, L., Sadovici-Bobeica, V., Garabajiu, M., & Mazur, M. (2018). Therapeutic adherence in patients with systemic lupus erythematosus: a cross-sectional study. *Romanian journal of internal medicine = Revue roumaine de medecine interne*, 56(2), 109–115. <https://doi.org/10.2478/rjim-2018-0004>.
- Mikdashi, J. and Nived, O., 2015. “Measuring Disease Activity in Adults With Systemic Lupus Erythematosus: The Challenges of Administrative Burden

- and Responsiveness to Patient Concerns in Clinical Research” *Arthritis Research & Therapy* 17(1) 183. doi: 10.1186/s13075-015-0702-6
- Mok CC, Lau CS. Pathogenesis of systemic lupus erythematosus. 2003. *J Clin Pathol.* 56:481-90.
- Mok, C. C. 2010. Biomarkers for Lupus Nephritis: A Critical Appraisal. *Journal of Biomedicine and Biotechnology*, 1–11. <https://doi.org/10.1155/2010/638413>
- Nabila F. , Miro S. , Effendi R. , Almurdi A. , Yulia D. , & Putra S.. Hubungan tingkat aktivitas penyakit lupus eritematosus sistemik dengan derajat gangguan fungsi ginjal pada pasien lupus eritematosus sistemik. *Jurnal Ilmu Kesehatan Indonesia* 2024;5(2):138-144. <https://doi.org/10.25077/jikesi.v5i2.1103>
- Nicholson-Weller A, Halperin JA: Membrane signaling by complement C5b-9, the membrane attack complex. *Immunol Res* 1993;12: 244–257.
- Nicholson-Weller A, Halperin JA: Membrane signaling by complement C5b-9, the membrane attack complex. *Immunol Res* 1993;12:244–257.
- Oliveira, R. C. d., Oliveira, I. S., Santiago, M. B., Atta, M., & Atta, A. M. (2015). High avidity dsDNA autoantibodies in Brazilian women with systemic lupus erythematosus: correlation with active disease and renal dysfunction. *Journal of Immunology Research*, 2015, 1-5. <https://doi.org/10.1155/2015/814748>
- Palazzo, L., Lindblom, J., Mohan, C., & Parodis, I. (2022). Current Insights on Biomarkers in Lupus Nephritis: A Systematic Review of the Literature. In *Journal of Clinical Medicine* (Vol. 11, Issue 19). MDPI. <https://doi.org/10.3390/jcm11195759>
- Perhimpunan rheumatologi Indonesia. *Diagnosis dan Pengelolaan Lupus Eritematosus Sistemik* 2019.
- Petri M, Orbai A-M, Alarcon GS et al. Derivation and validation of the systemic lupus international collaborating clinics classification criteria for systemic lupus erythematosus. *Arthritis Reum.* 2012; 64(8):2677-86.
- Petri M, Orbai A-M, Alarcon GS, et al. Derivation and validation of the systemic lupus international collaborating clinics classification criteria for systemic lupus erythematosus. *Arthritis Reum.* 2012;64(8):2677-86.
- Podolska, M. J., Biermann, M. H. C., Maueröder, C., Hahn, J., and Herrmann, M., 2015 “Inflammatory etiopathogenesis of systemic lupus erythematosus: An update,” *Journal of Inflammation Research* 8: 161–171. doi: 10.2147/JIR.S70325.
- Pusdatin Kemenkes RI. 2017 Situasi Lupus di Indonesia. Diakses: <https://pusdatin.kemkes.go.id/article/view/17072400003/situasi-penyakit-lupus-di-indonesia.html>
- Quismiro FP, Torallba KD. Clinical application of serologic test, serum protein abnormalities, and other clinical laboratory test in SLE. In: Wallace DJ, Hahn BH editors. *Dubois Lupus Erythematosus and related syndromes*. 8<sup>th</sup> ed Philadelphia: Elsevier Saunders; 2013.p. 526-40.
- Rahman, A., and Isenberg, D. A., 2008. “Systemic Lupus Erythematosus” *The New England Journal of Medicine* 358: 929-939.
- Rees, F., Doherty, M., Grainge, M. J., Lanyon, P. and Zhang, W., 2017 “The

- worldwide incidence and prevalence of systemic lupus erythematosus: a systematic review of epidemiological studies” *Rheumatology* 56(11): 1945-1961. doi: 10.1093/rheumatology/kex260.
- Schäfer, V. B., Weiß, K., Krause, A. and Schmidt, W. A., 2018. “Does erythrocyte sedimentation rate reflect and discriminate flare from infection in systemic lupus erythematosus? Correlation with clinical and laboratory parameters of disease activity” *Clinical Rheumatology* 37(7):1835-1844. doi: 10.1007/s10067-018-4093-3.
- Sinico, R., Radice, A., Ikehata, M., Giammarresi, G., Corace, C., Arrigo, G., ... & Vecchi, M. (2005). Anti- c1q autoantibodies in lupus nephritis: prevalence and clinical significance. *Annals of the New York Academy of Sciences*, 1050(1), 193-200. <https://doi.org/10.1196/annals.1313.020>
- Smith’s, Tanagho EA, McAninch JW. Urinary Stone disease: in General Urology. USA; The McGraw-Hill. 2008.
- Solomon DH, Kavanough AJ, Schur PH, and American College of Rheumatology Ad Hoc Committee on immunologic Testing Guidelines: Evidence-based guidelines for the use of immunologic tests: Antinuclear antibody testing: *Arthritis Rheum* 2002; 47:434-444.
- Somers E, Marder W, Cagnoli P, Lewis E, Deguire P, Gordon C, et al. Population-based incidence and prevalence of systemic lupus erythematosus. *Arthritis reumatolog*, 2014;66(2):369-78.
- Stanley, S., Vanarsa, K., Soliman, S., Habazi, D., Pedroza, C., Gidley, G., Zhang, T., Mohan, S., Der, E., Suryawanshi, H., Tuschl, T., Buyon, J., Putterman, C., Mok, C. C., Petri, M., Saxena, R., & Mohan, C. (2020). Comprehensive aptamer-based screening identifies a spectrum of urinary biomarkers of lupus nephritis across ethnicities. *Nature Communications*, 11(1). <https://doi.org/10.1038/s41467-020-15986-3>
- Sudewi, N. P., Kurniati, N., Suyoko, E. D., Munasir, Z., & Akib, A. A. (2016). Karakteristik klinis lupus eritematosus sistemik pada anak. *Sari Pediatri*, 11(2), 108. <https://doi.org/10.14238/sp11.2.2009.108-12>
- Swaak AJG, Nossent JC, Smeenk RJT. Prognostic factors in systemic lupus erythematosus. *Rheumatol Int* 1999;11:127-32.
- Szabó, K., Jám bor, I., Pázmándi, K., Nagy, N., Papp, G., & Tarr, T. (2022). Altered circulating follicular t helper cell subsets and follicular t regulatory cells are indicators of a derailed b cell response in lupus, which could be modified by targeting il-21r. *International Journal of Molecular Sciences*, 23(20), 12209. <https://doi.org/10.3390/ijms232012209>
- Tanagho, E.A, and J. W. McAninch. 2008. General Urology, Smith’s General Urology. Doi: 10.1016/0140-6736(90)93087-6. [[http://tuleoffice.com/images/editor/File/pdf/book/omomi/book/1%20\(4\).pdf](http://tuleoffice.com/images/editor/File/pdf/book/omomi/book/1%20(4).pdf)].
- Thandani R.I., Maynard S.E., 2020. Evaluation of proteinuria in pregnancy and management of nephrotic syndrome. Uptodate <https://www.uptodate.com/contents/evaluation-of-proteinuria-in-pregnancy-and-management-of-nephrotic-syndrome>.
- Touma, Z., Medina-Rosas, J. 2018. ‘Proteinuria: Assessment and Utility in Lupus Nephritis’, *Orthopedic Research and Physiotherapy*, 2(2), pp. 1–8.
- Uribe A. G., Vilá L. M., McGwin G. Jr., Sanchez M. L., Reveille J. D., and Alarcón

- G. S., 2004. "The Systemic Lupus Activity Measure-revised, the Mexican Systemic Lupus Erythematosus Disease Activity Index (SLEDAI), and a modified SLEDAI-2K are adequate instruments to measure disease activity in systemic lupus erythematosus" *Journal of Rheumatology* 31(10):1934-1940.
- Waheed, S. 2016. Assesment Proteinuria, *BMJ Best Practice*, pp. 19.
- Wakasugi D., Gono T., Kawaguchi Y., Hara M., Koseki Y., Katsumata Y.et al.. Frequency of class iii and iv nephritis in systemic lupus erythematosus without clinical renal involvement: an analysis of predictive measures. *The Journal of Rheumatology* 2011;39(1):79-85. <https://doi.org/10.3899/jrheum.110532>
- Walport MJ: Complement. First of two parts. *N Engl J Med* 2001; 344: 1058–1066.
- Wu, J., Wei, L., Wang, W., Zhang, X., Chen, L., & Lin, C. (2016). Diagnostic value of progranulin in patients with lupus nephritis and its correlation with disease activity. *Rheumatology International*, 36(6), 759–767. <https://doi.org/10.1007/s00296-016-3458-7>
- Yin Y, Wu X, Shan G, Zhang X: Diagnostic value of serum anti-C1q antibodies in patients with lupus nephritis: a meta-analysis. *Lupus* 2012;21:1088–1097. Yogyakarta: Nuha Medika.
- Zhang, Y., Qu, X., Wang, L., & Song, L. (2024). Association of urine autoantibodies with disease activity in systemic lupus erythematosus. *Frontiers in Medicine*, 11. <https://doi.org/10.3389/fmed.2024.1346609>
- Zhao, Z., Weinstein, E., Tuzova, M., Davidson, A., Mündel, P., Marambio, P., ... & Putterman, C. (2005). Cross-reactivity of human lupus anti-dna antibodies with  $\alpha$ -actinin and nephritogenic potential. *Arthritis & Rheumatism*, 52(2), 522-530. <https://doi.org/10.1002/art.20862>
- Zhu D. , Qu Z. , Tan Y. , Yu F. , & Zhao M.. Acute kidney injury in chinese patients with lupus nephritis: a large cohort study from a single center. *Lupus* 2011;20(14):1557-1565. <https://doi.org/10.1177/0961203311417035>.