

DAFTAR PUSTAKA

- Abdelhamed, Walaa, dan Mohamed El-Kassas. 2024. "Hepatitis B virus as a risk factor for hepatocellular carcinoma: There is still much work to do." *Liver Research* 8(2): 83–90. <https://doi.org/10.1016/j.livres.2024.05.004>.
- Altaihani, M. R. A., Alhazmi, B. F. S., Albagawi, A. M. G., Almuzaini, N. M. A., Alshammari, F. A., & Almotlaq, A. S. O. (2024). Liver function tests: An updated review article for clinical pathologists. *Review of Contemporary Philosophy*, 23(2), 1681–1691
- Ayatollahi, Jamshid et al. 2019. "Investigation of Prevalence of HBV DNA in the Individuals of Negative HBs Ag in Yazd, Iran." *SN Comprehensive Clinical Medicine* 1(3): 183–87.
- Bag, Satyabrata et al. 2023. "Real-Time Polymerase Chain Reaction-Based Detection and Quantification of Hepatitis B Virus DNA." *Journal of Visualized Experiments* 2023(202): 1–9.
- Burra, P., Cammà, C., Invernizzi, P., Marra, F., & Pompili, M. (2025). Does the hepatologist still need to rely on aminotransferases in clinical practice? A reappraisal of the role of a classic biomarker in the diagnosis and clinical management of chronic liver diseases. *Annals of Hepatology*, 30, 101900.
- Boonstra, A., & Sari, G. (2025). HBV cccDNA: The molecular reservoir of hepatitis B persistence and challenges to achieve viral eradication. *Biomolecules*, 15(1), 62. <https://doi.org/10.3390/biom15010062>
- Chen, T.-B., Jiang, J.-W., Guo, H.-Y., Chen, X.-T., Zhi, S., Hu, Y.-H., Fu, Y., Zeng, Y.-B., Liu, C., Ou, Q.-S., & Rao, S.-T. (2025). Causal relationship between hepatic function indicators and thrombocytopenia risk in early-stage hepatitis B virus infection: Evidence from clinical observational studies and Mendelian randomization analyses. *Frontiers in Immunology*, 16, Article 1440317.
- Chau, A., Yeh, M.-L., Tsai, P.-C., Huang, D. Q., Kim, S. E., Trinh, H., Yoon, E. L., Oh, H., Jeong, J. Y., Ahn, S. B., An, J., Tseng, C.-H., Hsu, Y.-C., Jeong, S. W., Cho, Y. K., Shim, J.-J., Kim, H. S., Ito, T., Marciano, S., Kawashima, K., & Nguyen, M. H. (2024). Sex differences in treatment response to nucleos(t)ide therapy in chronic hepatitis B: A multicenter longitudinal study. *Clinical Gastroenterology and Hepatology*, 22(3), 572–580.e5.
- Chaudhary, P. K., Kim, S., & Kim, S. (2022). An insight into recent advances on

platelet function in health and disease. *International Journal of Molecular Sciences*, 23(11), 6022

De Francesco, M. A., Gargiulo, F., Dello Iaco, F., Zeneli, L., Zaltron, S., Tiecco, G., Pellizzeri, S., Focà, E., Caruso, A., & Quiros-Roldan, E. (2025). Immune escape and drug resistance mutations in patients with hepatitis B virus infection: Clinical and epidemiological implications. *Life*, 15(4), 672. <https://doi.org/10.3390/life15040672>

Guvénir, Meryem, dan Ayşe Arıkan. 2020. "Hepatitis b virus: From diagnosis to treatment." *Polish Journal of Microbiology* 69(4): 391–99.

He, C., Liu, Y., Jiang, X., Xu, Z., Xiang, Z., & Lu, Z. (2024). Frequency of HBsAg variants in occult hepatitis B virus infected patients and detection by ARCHITECT HBsAg quantitative. *Frontiers in Cellular and Infection Microbiology*, 14, 1368473. <https://doi.org/10.3389/fcimb.2024.1368473>

Huang, Shuai Wen et al. 2023. "Effect of Anti-HBs on Mortality Among Resolved HBV Infection: a Population-Based Prospective Cohort Study." *Infectious Diseases and Therapy* 12(3): 871–90. <https://doi.org/10.1007/s40121-023-00766-5>.

Im, Yu Ri et al. 2022. "Prevalence of occult hepatitis B virus infection in adults: a systematic review and meta-analysis." *The Lancet Gastroenterology and Hepatology* 7(10): 932–42. [http://dx.doi.org/10.1016/S2468-1253\(22\)00201-1](http://dx.doi.org/10.1016/S2468-1253(22)00201-1).

Jiang, H., Li, Y., Sheng, Q., & Dou, X. (2022). Relationship between hepatitis B virus infection and platelet production and dysfunction. *Platelets*, 33(2), 212–218.

Kemkes. 2024. "Angka Hepatitis B dan C di Indonesia Turun." *Kemkes Direktorat Jenderal Pelayanan Kesehatan*: 1–25. <https://sehatnegeriku.kemkes.go.id/baca/umum/20240726/4446108/angka-hepatitis-b-dan-c-di-indonesia-turun/>.

Krajden, Mel, Gail McNabb, dan Martin Petric. 2005. "The laboratory diagnosis of hepatitis B virus." *Canadian Journal of Infectious Diseases and Medical Microbiology* 16(2): 65–72.

Kramvis, Anna et al. 2022. "A roadmap for serum biomarkers for hepatitis B virus: current status and future outlook." *Nature Reviews Gastroenterology and Hepatology* 19(11): 727–45.

- Liang, T Jake. 2009. "National Institute of Health - Hepatitis B: The Virus and Disease." *Hepatology* 49: 1–17.
- Liao, Hao et al. 2019. "Monitoring of serum HBV RNA, HBcrAg, HBsAg and anti-HBc levels in patients during long-term nucleoside/nucleotide analogue therapy." *Antiviral Therapy* 24(2): 105–15.
- Liu, Can et al. 2014. "Evaluation of the performance of four methods for detection of hepatitis B surface antigen and their application for testing 116,455 specimens." *Journal of Virological Methods* 196: 174–78. <http://dx.doi.org/10.1016/j.jviromet.2013.10.039>.
- Liu, H., Chen, S., Liu, X., & Lou, J. (2024). Effect of S-region mutations on HBsAg in HBsAg-negative HBV-infected patients. *Virology Journal*, 21, 92. <https://doi.org/10.1186/s12985-024-02366-2>
- Liu, Yuanyuan et al. 2021. "Prevalence of dual-positivity for both hepatitis b e antigen and hepatitis b e antibody among hospitalized patients with chronic hepatitis b virus infection." *International Journal of General Medicine* 14(September): 5759–70.
- MacLachlan, Jennifer H., dan Benjamin C. Cowie. 2015. "Hepatitis B virus epidemiology." *Cold Spring Harbor Perspectives in Medicine* 5(5): 1–12.
- Matthews, Philippa C. et al. 2020. "Bimodal distribution and set point HBV DNA viral loads in chronic infection: Retrospective analysis of cohorts from the UK and South Africa." *Wellcome Open Research* 5: 1–13.
- Moretto, Florian et al. 2020. "Isolated anti-HBc: Significance and management." *Journal of Clinical Medicine* 9(1): 1–16.
- Negi, A., Anand, P., Diksha, D., Negi, S., Gupta, S. K., Kalita, D., & Mathuria, Y. P. (2025). Relationship between hepatitis B viral load and laboratory parameters in HBsAg-positive patients: Insights from the Sub-Himalayan region. *Gastroenterology Insights*, 16(3)
- NICE Clinical Guidelines. 2018. "Hepatitis B (Hepatitis B (chronic): diagnosis and management Clinical guideline." *National Institute for Health and Care Excellence* 1(1): 1–36.
- Özdemir, Y. E., Salim Doğdaş, E., Demir, A. S., Borcak, D., Canbolat Ünlü, E., Sezen, A. İ., Bayramlar, O. F., & Kart Yaşar, K. (2023). Relationships between liver histopathology with biochemical parameters, and hepatitis B virus-DNA in chronic hepatitis B infection. *Viral Hepatitis Journal*, 29(2), 75–80.

- Pattyn, Jade, Greet Hendrickx, Alex Vorsters, dan Pierre Van Damme. 2021. "Hepatitis B Vaccines." *Journal of Infectious Diseases* 224(Suppl 4): S343–51.
- Podrug, K., Trkulja, V., Zelenika, M., Bokun, T., Madir, A., Filipec Kanizaj, T., O'Beirne, J., & Grgurevic, I. (2022). Validation of the new diagnostic criteria for clinically significant portal hypertension by platelets and elastography. *Digestive Diseases and Sciences*, 67(8)
- Pondé, R. A. A., & Amorim, G. S. P. (2024). Exchanges in the "a" determinant of the hepatitis B virus surface antigen revisited. *Virology*, 599, 110184. <https://doi.org/10.1016/j.virol.2024.110184>
- Raihan, Ruksana et al. 2015. "Hepatitis B Core Antigen in Hepatocytes of Chronic Hepatitis B: Comparison between Indirect Immunofluorescence and Immunoperoxidase Method." *Euroasian Journal of Hepato-Gastroenterology* 5(1): 7–10.
- Raimondo, Giovanni et al. 2019. "Update of the statements on biology and clinical impact of occult hepatitis B virus infection." *Journal of Hepatology* 71(2): 397–408.
- Rosario, D. (2025, January 17). How to approach elevated liver enzymes? American Association for the Study of Liver Diseases (AASLD) – Liver Fellow Network
- Saitta, Carlo, Teresa Pollicino, dan Giovanni Raimondo. 2022. "Occult Hepatitis B Virus Infection: An Update." *Viruses* 14(7).
- Saraceni, Corey, dan John Birk. 2021. "A review of hepatitis b virus and hepatitis c virus immunopathogenesis." *Journal of Clinical and Translational Hepatology* 9(3): 409–18.
- Schmidt, M. et al. 2006. "Anti-HBc screening of blood donors: A comparison of nine anti-HBc tests." *Vox Sanguinis* 91(3): 237–43.
- Scridon, A. (2022). Platelets and their role in hemostasis and thrombosis—From physiology to pathophysiology and therapeutic implications. *International Journal of Molecular Sciences*, 23(21), 12772.
- Segeral, Olivier et al. 2020. "Hepatitis B e antigen (HBeAg) rapid test and alanine aminotransferase level–based algorithm to identify pregnant women at risk of HBV mother-to-child transmission: The ANRS 12345 TA PROHM study." *Clinical Infectious Diseases* 71(10): E587–93.

- Sharma, Sanjeev Kumar, Nitin Saini, dan Yogesh Chwla. 2005. "Hepatitis B virus: Inactive carriers." *Virology Journal* 2: 3–7.
- Sonneveld, Milan J. et al. 2022. "Hepatitis B Surface Antigen Levels Can Be Used to Rule Out Cirrhosis in Hepatitis B e Antigen-Positive Chronic Hepatitis B: Results from the SONIC-B Study." *Journal of Infectious Diseases* 225(11): 1967–73.
- Tember, S. S., Bansal, P., Sharma, S., Singh, R. B., & Sharma, R. (2023). Biomarkers of liver diseases. *Molecular Biology Reports*, 50(10), 7815–7823.
- Tripathi, Nishant, dan Omar Y. Mousa. 2023. "Hepatitis B." *StatPearls Publishing*.
<https://www.cdc.gov/vaccines/pubs/pinkbook/hepb.html>.
- Wang, Chengwei et al. 2023. "High-sensitivity HBV DNA test for the diagnosis of occult HBV infection: commonly used but not reliable." *Frontiers in Cellular and Infection Microbiology* 13(May): 1–5.
- Wang, S.-H., Chen, P.-J., & Yeh, S.-H. (2015). Gender disparity in chronic hepatitis B: Mechanisms of sex hormones. *Journal of Gastroenterology and Hepatology*, 30(8), 1237–1245.
- Watanabe, Moto, Hidenori Toyoda, dan Tomohisa Kawabata. 2023. "Rapid quantification assay of hepatitis B virus DNA in human serum and plasma by Fully Automated Genetic Analyzer μ TASWako g1." *PLoS ONE* 18(2 February): 1–12. <http://dx.doi.org/10.1371/journal.pone.0278143>.
- Watashi, Koichi, Stephan Urban, Wenhui Li, dan Takaji Wakita. 2014. "NTCP and beyond: Opening the door to unveil hepatitis B virus entry." *International Journal of Molecular Sciences* 15(2): 2892–2905.
- World Health Organization. (2024). Guidelines for the prevention, diagnosis, care and treatment for people with chronic hepatitis B infection. World Health Organization.
- Zhang, Chi, Yiqi Liu, Hong Zhao, dan Guiqiang Wang. 2022. "Global Patterns and Trends in Total Burden of Hepatitis B from 1990 to 2019 and Predictions to 2030." *Clinical Epidemiology* 14(December): 1519–33.
- Zheng, Peiyu, Yongqing Dou, dan Qinying Wang. 2023. "Immune response and treatment targets of chronic hepatitis B virus infection: innate and adaptive immunity." *Frontiers in Cellular and Infection Microbiology* 13(June): 1–16.