

DAFTAR PUSTAKA

- A. Ruiz-Margáin, Méndez-Guerrero, O., Román-Calleja, B. M., & S. González-Rodríguez, G. Fernández-del-Rivero, P.A. Rodríguez-Córdova, A. Torre, R. U. M.-R. D. (2018). Dietary management and supplementation with branched-chain amino acids in cirrhosis of the liver. *Integrative Medicine Research*, 83(4), 424–433. <https://doi.org/10.1016/j.rgmxen.2018.10.004>
- Arroyo, V., Moreau, R., Jalan, R., & Ginès, P. (2015). Acute-on-chronic liver failure: A new syndrome that will re-classify cirrhosis. *Journal of Hepatology*, 62(S1), S131–S143. <https://doi.org/10.1016/j.jhep.2014.11.045>
- Balzano, T., Forteza, J., Borreda, I., Molina, P., Giner, J., Leone, P., Urios, A., Montoliu, C., & Felipo, V. (2018). Histological features of cerebellar neuropathology in patients with alcoholic and nonalcoholic steatohepatitis. *Journal of Neuropathology and Experimental Neurology*, 77(9), 837–845. <https://doi.org/10.1093/jnen/nly061>
- Bischoff, S. C., Bernal, W., Dasarathy, S., Merli, M., Plank, L. D., Schütz, T., & Plauth, M. (2020a). ESPEN Guideline ESPEN practical guideline : Clinical nutrition in liver disease. *Clinical Nutrition*, 39(12), 3533–3562. <https://doi.org/10.1016/j.clnu.2020.09.001>
- Bischoff, S. C., Bernal, W., Dasarathy, S., Merli, M., Plank, L. D., Schütz, T., & Plauth, M. (2020b). ESPEN practical guideline: Clinical nutrition in liver disease. *Clinical Nutrition*, 39(12), 3533–3562. <https://doi.org/10.1016/j.clnu.2020.09.001>
- Carvalho, J. R., & Machado, M. V. (2018). New insights about albumin and liver disease. *Annals of Hepatology*, 17(4), 547–560. <https://doi.org/10.5604/01.3001.0012.0916>
- Cordoba, J. (2014). *Hepatic Encephalopathy : From the Pathogenesis to the New Treatments*. 2014.
- Darnindro, N., Manurung, A., Mulyana, E., & Manurung, A. (2021). Clinical Characteristics of Liver Cirrhosis Patients in Internal Medicine Inpatient Ward of Fatmawati General Hospital and Factors Affecting Mortality during Hospitalization. *The Indonesian Journal of Gastroenterology, Hepatology, and Digestive Endoscopy*, 22(1), 3–8. <https://doi.org/10.24871/22120213-8>
- Du, J.-Y., Shu, L., Zhou, Y.-T., & Zhang, L. (2021). Clinical cases. *Branched-Chain Amino Acids Supplementation Has Beneficial Effects on the Progression of Liver Cirrhosis: A Meta-Analysis*, 8960(3), 511–513. <https://doi.org/10.3280/PU2021-003007>
- Fallahzadeh, Amin, M., & Rahimi, R. S. (2019). Hepatic Encephalopathy and Nutrition Influences: A Narrative Review. *Nutrition in Clinical Practice*, 0(0), 1–13. <https://doi.org/10.1002/ncp.10458>

- Fallahzadeh, Mohammad, Rahimi, & S., R. (2022). Hepatic Encephalopathy: Current and Emerging Treatment Modalities. *Clinical Gastroenterology and Hepatology*, 20(8), S9–S19. <https://doi.org/10.1016/j.cgh.2022.04.034>
- Green, E. W., & Mitra, A. (2022). Diagnosis and management of hepatic encephalopathy: A summary for patients. *Clinical Liver Disease*, 20(3), 90–92. <https://doi.org/10.1002/cld.1236>
- Grover, V. P. B., Southern, L., Dyson, J. K., Kim, J. U., Crossey, M. M. E., Wylezinska-Arridge, M., Patel, N., Fitzpatrick, J. A., Bak-Bol, A., Waldman, A. D., Alexander, G. J., Mells, G. F., Chapman, R. W., Jones, D. E. J., & Taylor-Robinson, S. D. (2016). Early primary biliary cholangitis is characterised by brain abnormalities on cerebral magnetic resonance imaging. *Alimentary Pharmacology and Therapeutics*, 44(9), 936–945. <https://doi.org/10.1111/apt.13797>
- Hadjihambi, A., Harrison, I. F., Costas-Rodríguez, M., Vanhaecke, F., Arias, N., Gallego-Durán, R., Mastitskaya, S., Hosford, P. S., Olde Damink, S. W. M., Davies, N., Habtesion, A., Lythgoe, M. F., Gourine, A. V., & Jalan, R. (2019). Impaired brain glymphatic flow in experimental hepatic encephalopathy. *Journal of Hepatology*, 70(1), 40–49. <https://doi.org/10.1016/j.jhep.2018.08.021>
- Holecek, M. (2018). *Branched-chain amino acids in health and disease : metabolism , alterations in blood plasma , and as supplements*. 1–12.
- Huynh, D. K., Selvanderan, S. P., Harley, H. A. J., Holloway, R. H., & Nguyen, N. Q. (2015). Nutritional care in hospitalized patients with chronic liver disease. *World Journal of Gastroenterology*, 21(45), 12835–12842. <https://doi.org/10.3748/wjg.v21.i45.12835>
- Kawaguchi, T., Taniguchi, E., & Sata, M. (2013). Effects of Oral Branched-Chain Amino Acids on Hepatic Encephalopathy and Outcome in Patients With Liver Cirrhosis. *Nutrition in Clinical Practice*, 580–588. <https://doi.org/10.1177/0884533613496432>
- Kornerup, L. S., Gluud, L. L., Vilstrup, H., & Dam, G. (2018). *Update on the Therapeutic Management of Hepatic Encephalopathy*. 18–23.
- Les, I., Doval, E., Garc, R., Planas, M., Guillermo, C., Pilar, G., Flavi, M., Jacas, C., Beatriz, M., Vergara, M., & Vila, C. (2011). *Effects of Branched-Chain Amino Acids Supplementation in Patients With Cirrhosis and a Previous Episode of Hepatic Encephalopathy : A Randomized Study*. September 2010, 1081–1088. <https://doi.org/10.1038/ajg.2011.9>
- Ll, G., Dam, G., Les, I., Marchesini, G., Borre, M., Nk, A., & Vilstrup, H. (2020). *Branched-chain amino acids for people with hepatic encephalopathy (Review)*. <https://doi.org/10.1002/14651858.CD001939.pub4.www.cochranelibrary.com>

- Lovena, A., Miro, S., & Efrida, E. (2017). Karakteristik Pasien Sirosis Hepatis di RSUP Dr. M. Djamil Padang. *Jurnal Kesehatan Andalas*, 6(1), 5. <https://doi.org/10.25077/jka.v6i1.636>
- Luiza, A., Santos, S., & Anastacio, L. R. (2021). The impact of L-branched-chain amino acids and L-leucine on malnutrition, sarcopenia, and other outcomes in patients with chronic liver disease. *Expert Review of Gastroenterology & Hepatology*, 0(0). <https://doi.org/10.1080/17474124.2021.1829470>
- Mann, G., Mora, S., Madu, G., & Adegoke, O. A. J. (2021). *Branched-Chain Amino Acids : Catabolism in Skeletal Muscle and Implications for Muscle and Whole-Body Metabolism*. 12(July). <https://doi.org/10.3389/fphys.2021.702826>
- McClave, S. A., Dibaise, J. K., Mullin, G. E., & Martindale, R. G. (2016). ACG clinical guideline: Nutrition therapy in the adult hospitalized patient. *American Journal of Gastroenterology*, 111(3), 315–334. <https://doi.org/10.1038/ajg.2016.28>
- Mosher, V. A. L., Swain, M. G., Pang, J. X. Q., Kaplan, G. G., Sharkey, K. A., MacQueen, G. M., & Goodyear, B. G. (2018). Magnetic resonance imaging evidence of hippocampal structural changes in patients with primary biliary cholangitis. *Clinical and Translational Gastroenterology*, 9(7). <https://doi.org/10.1038/s41424-018-0038-z>
- Nusrat, S., Khan, M. S., Fazili, J., & Madhoun, M. F. (2014). Cirrhosis and its complications: Evidence based treatment. *World Journal of Gastroenterology*, 20(18), 5442–5460. <https://doi.org/10.3748/wjg.v20.i18.5442>
- Park, J. G., Tak, W. Y., Park, S. Y., Kweon, Y. O., & Chung, W. J. (2020). *Effects of Branched-Chain Amino Acid (BCAA) Supplementation on the Progression of Advanced Liver Disease:*
- Patasić, Y. Z., Waleleng, B. J., & Wantania, F. (2015). Profil Pasien Sirosis Hati Yang Dirawat Inap Di Rsup Prof. Dr. R. D. Kandou Manado Periode Agustus 2012 – Agustus 2014. *E-CliniC*, 3(1), 3–8. <https://doi.org/10.35790/ecl.3.1.2015.6841>
- Peng, Y., Qi, X., & Guo, X. (2016). Child-pugh versus MELD score for the assessment of prognosis in liver cirrhosis a systematic review and meta-analysis of observational studies. *Medicine (United States)*, 95(8), 1–29. <https://doi.org/10.1097/MD.0000000000002877>
- Plauth, M., Bernal, W., Dasarathy, S., Merli, M., Plank, L. D., Schütz, T., & Bischoff, S. C. (2019). ESPEN guideline on clinical nutrition in liver disease. *Clinical Nutrition*, 38(2), 485–521. <https://doi.org/10.1016/j.clnu.2018.12.022>
- Rajpurohit, S., Musunuri, B., Mohan, P. B., & Shetty, S. (2022). Novel Drugs for

- the Management of Hepatic Encephalopathy: Still a Long Journey to Travel. *Journal of Clinical and Experimental Hepatology*, xxx(xxx).
<https://doi.org/10.1016/j.jceh.2022.01.012>
- Rose, C. F., Amodio, P., Bajaj, J. S., Dhiman, R. K., Montagnese, S., Taylor-Robinson, S. D., Vilstrup, H., & Jalan, R. (2020). Hepatic encephalopathy: Novel insights into classification, pathophysiology and therapy. *Journal of Hepatology*, 73(6), 1526–1547. <https://doi.org/10.1016/j.jhep.2020.07.013>
- Saini, P. (2020). *Role of Branched Chain Amino Acids supplementation on quality of life in liver cirrhosis patients Role of Branched Chain Amino Acids supplementation on quality of life in liver cirrhosis patients. August.* <https://doi.org/10.5958/0974-360X.2020.00622.8>
- Saunders, J., Brian, A., Wright, M., & Stroud, M. (2010). Malnutrition and nutrition support in patients with liver disease. *Frontline Gastroenterology*, 1(2), 105–111. <https://doi.org/10.1136/fg.2009.000414>
- Suyoso, Mustika, S., & Achmad, H. (2013). *Ensefalopati Hepatik pada Sirosis Hati: Faktor Presipitasi dan Luaran Perawatan di RSUD dr. Saiful Anwar Malang*. 28(4), 340–344.
- Takeshita, Y., Takamura, T., Kita, Y., Ando, H., Ueda, T., Kato, K., Misu, H., Sunagozaka, H., Sakai, Y., Yamashita, T., Mizukoshi, E., Honda, M., & Kaneko, S. (2012). Beneficial effect of branched-chain amino acid supplementation on glycemic control in chronic hepatitis C patients with insulin resistance: Implications for type 2 diabetes. *Metabolism: Clinical and Experimental*, 61(10), 1388–1394.
<https://doi.org/10.1016/j.metabol.2012.03.011>
- Tandon, P., Raman, M., Mourtzakis, M., & Merli, M. (2017). *A Practical Approach to Nutritional Screening and Assessment in Cirrhosis*. 65(3), 1044–1057. <https://doi.org/10.1002/hep.29003>
- Vilstrup, H., Amodio, P., Bajaj, J., Cordoba, J., Ferenci, P., Mullen, K. D., Weissenborn, K., Wong, P., Conjeevaram, H. S., Porayko, M., Merriman, R. B., & Jansen, P. L. M. (2014). *AASLD PRACTICE GUIDELINE Hepatic Encephalopathy in Chronic Liver Disease : 2014 Practice Guideline by the American Association for the Study of Liver Diseases and the European Association for the Study of the Liver*. 1–21.
<https://doi.org/10.1002/hep.27210>
- Weiss, N., Jalan, R., & Thabut, D. (2018). Understanding hepatic encephalopathy. *Intensive Care Medicine*, 44(2), 231–234. <https://doi.org/10.1007/s00134-017-4845-6>
- Weissenborn, K. (2019). Hepatic Encephalopathy : Definition , Clinical Grading and Diagnostic Principles. *Drugs*, 79(s1), 5–9.
<https://doi.org/10.1007/s40265-018-1018-z>

