**Supplementary Table 2. Included studies for this meta-analysis**

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| **No.** | **Citation** |
| 1 | Lai M, Hyatt BJ, Nasser I, Curry M, Afdhal NH. The clinical significance of persistently normal ALT in chronic hepatitis B infection. J Hepatol 2007;47(6):760-767. doi: 10.1016/j.jhep.2007.07.022. |
| 2 | Kumar M, Sarin SK, Hissar S, Pande C, Sakhuja P, Sharma BC, *et al*. Virologic and histologic features of chronic hepatitis B virus-infected asymptomatic patients with persistently normal ALT. Gastroenterology 2008;134(5):1376-1384. doi: 10.1053/j.gastro.2008.02.075. |
| 3 | Papatheodoridis GV, Manesis EK, Manolakopoulos S, Elefsiniotis IS, Goulis J, Giannousis J, *et al*. Is there a meaningful serum hepatitis B virus DNA cutoff level for therapeutic decisions in hepatitis B e antigen-negative chronic hepatitis B virus infection? Hepatology 2008;48(5):1451-1459. doi: 10.1002/hep.22518. |
| 4 | Nguyen MH, Garcia RT, Trinh HN, Lam KD, Weiss G, Nguyen HA, *et al*. Histological disease in Asian-Americans with chronic hepatitis B, high hepatitis B virus DNA, and normal alanine aminotransferase levels. Am J Gastroenterol 2009;104(9):2206-2213. doi: 10.1038/ajg.2009.248. |
| 5 | Chen EQ, Huang FJ, He LL, Bai L, Wang LC, Zhou TY, *et al*. Histological changes in chinese chronic hepatitis B patients with ALT lower than two times upper limits of normal. Dig Dis Sci 2010;55(2):432-437. doi: 10.1007/s10620-009-0724-5. |
| 6 | Gui HL, Wang H, Yang YH, Wu YW, Zhou HJ, Guo SM, *et al*. Significant histopathology in Chinese chronic hepatitis B patients with persistently high-normal alanine aminotransferase. J Viral Hepat 2010;17 Suppl 1:44-50. doi: 10.1111/j.1365-2893.2010.01270.x. |
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| 9 | Alam S, Ahmad N, Mustafa G, Shrestha A, Alam AK, Khan M. Evaluation of normal or minimally elevated alanine transaminase, age and DNA level in predicting liver histological changes in chronic hepatitis B. Liver Int 2011;31(6):824-830. doi: 10.1111/j.1478-3231.2011.02491.x. |
| 10 | Sarin SK, Kumar M, Lau GK, Abbas Z, Chan HL, Chen CJ, *et al*. Asian-Pacific clinical practice guidelines on the management of hepatitis B: a 2015 update. Hepatol Int 2016;10(1):1-98. doi: 10.1007/s12072-015-9675-4. |
| 11 | Liao B, Wang Z, Lin S, Xu Y, Yi J, Xu M, *et al*. Significant fibrosis is not rare in Chinese chronic hepatitis B patients with persistent normal ALT. PLoS One 2013;8(10):e78672. doi: 10.1371/journal.pone.0078672. |
| 12 | Gong X, Yang J, Tang J, Gu C, Huang L, Zheng Y, *et al*. A mechanistic assessment of the discordance between normal serum alanine aminotransferase levels and altered liver histology in chronic hepatitis B. PLoS One 2015;10(7):e0134532. doi: 10.1371/journal.pone.0134532. |
| 13 | Tan Y, Ye Y, Zhou X, Chen L, Wen D. Age as a predictor of significant fibrosis features in HBeAg-negative chronic hepatitis B virus infection with persistently normal alanine aminotransferase. PLoS One 2015;10(4):e0123452. doi: 10.1371/journal.pone.0123452. |
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| 15 | Ormeci, A., *et al*., Predictors of treatment requirement in HBeAg-negative chronic hepatitis B patients with persistently normal alanineaminotransferase and high serum HBV DNA levels. International Journal ofInfectious Diseases, 2016. 52: p. 68-73. |
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| 19 | Xu, Z., *et al*., Predictive value of serum Golgi protein 73 for prominent hepatic necroinflammation in chronic HBV infection. Journal of MedicalVirology, 2018. 90(6): p. 1053-1062. |