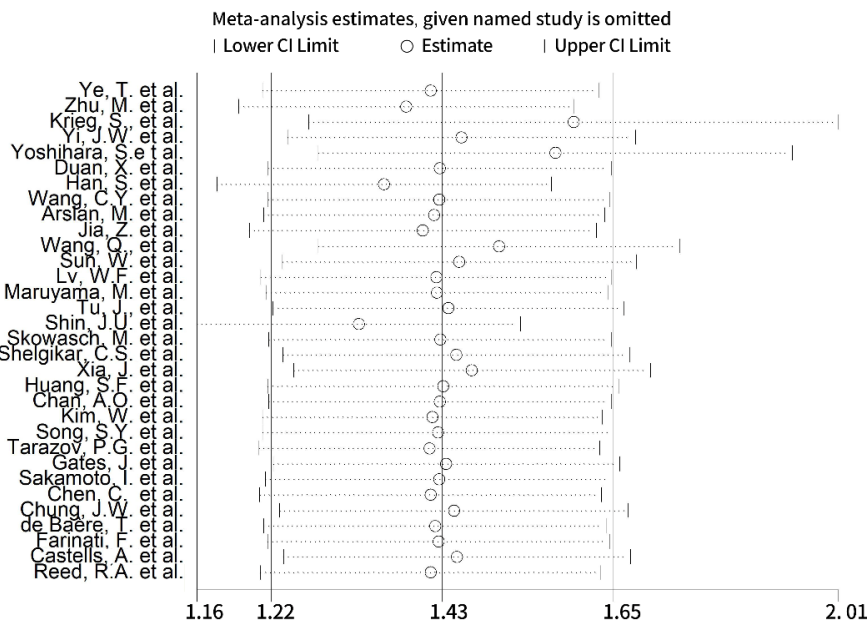
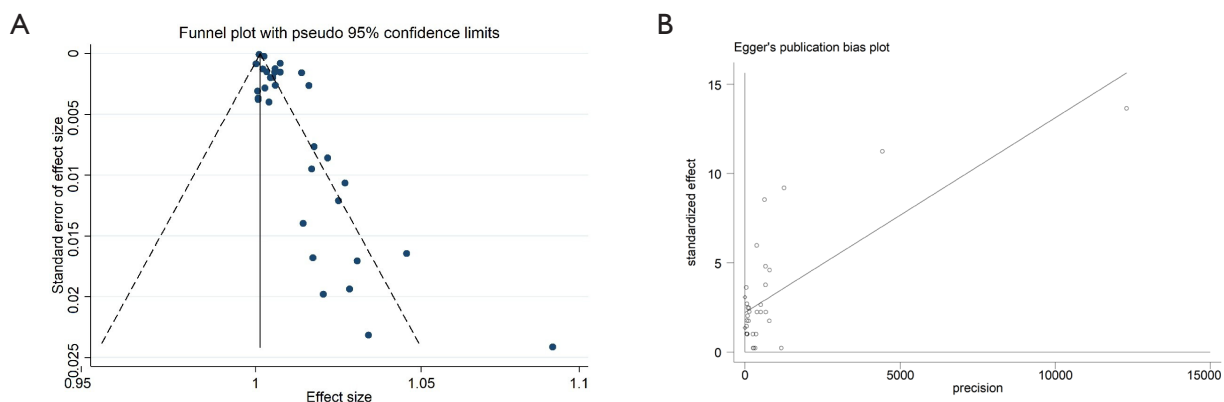


	Was the sample frame appropriate to address the target population?	Were study participants sampled in an appropriate way?	Was the sample size adequate?	Were the study subjects and the setting described in detail?	Was the data analysis conducted with sufficient coverage of the identified sample?	Were valid methods used for the identification of the condition?	Was the condition measured in a standard, reliable way for all participants?	Was there appropriate statistical analysis?	Was the response rate adequate, and if not, was the low response rate managed appropriately?
Arslan, M. et al 2019	+	+	+	+	+	+	+	?	+
Castells, A. et al 1995	+	+	+	+	+	+	?	?	+
Chan, A.O. et al 2002	+	+	+	+	+	+	?	?	+
Chen, C. et al 1997	+	+	+	+	+	+	+	?	+
Chung, J.W. et al 1997	+	+	+	+	+	+	?	?	+
de Baère, T. et al 1996	+	+	+	+	+	+	+	?	+
Duan, X. et al 2021	+	+	+	+	+	+	?	?	+
Farinati, F. et al 1996	+	+	+	+	+	+	?	?	+
Gates, J. et al 1999	+	+	+	+	+	+	?	?	+
Han, S. et al 2020	+	+	+	+	+	+	+	?	+
Huang, S.F. et al 2003	+	+	+	+	+	+	+	?	+
Jia, Z. et al 2018	+	+	+	+	+	+	+	?	+
Kim, W. et al 2001	+	+	+	+	+	+	+	?	+
Krieg, S. et al 2022	+	+	+	+	+	+	?	?	+
Ly, W.F. et al 2016	+	+	+	+	+	+	+	?	+
Maruyama, M. et al 2016	+	+	+	+	+	+	?	?	+
Reed, R.A. et al 1994	+	+	+	+	+	+	+	+	+
Sakamoto, I. et al 1998	+	+	+	+	+	+	?	?	+
Shelgikar, C.S. et al 2009	+	+	+	+	+	+	?	?	+
Shin, J.U. et al 2014	+	+	+	+	+	+	+	+	+
Skowasch, M. et al 2012	+	+	+	+	+	+	?	?	+
Song, S.Y. et al 2001	+	+	+	+	+	+	+	?	+
Sun, W. et al 2017	+	+	+	+	+	+	+	?	+
Tarazov, P.G. et al 2000	+	+	+	+	+	+	?	?	+
Tu, J., et al 2016	+	+	+	+	+	+	?	?	+
Wang, C.Y. et al 2020	+	+	+	+	+	+	?	?	+
Wang, Q. et al 2018	+	+	+	+	+	+	?	?	+
Xia, J. et al 2005	+	+	+	+	+	+	?	?	+
Ye, T. et al 2022	+	+	+	+	+	+	?	?	+
Yi, J.W. et al 2022	+	+	+	+	+	+	?	?	+
Yoshihara, S. et al 2021	+	+	+	+	+	+	+	+	+
Zhu, M. et al 2022	+	+	+	+	+	+	+	+	+

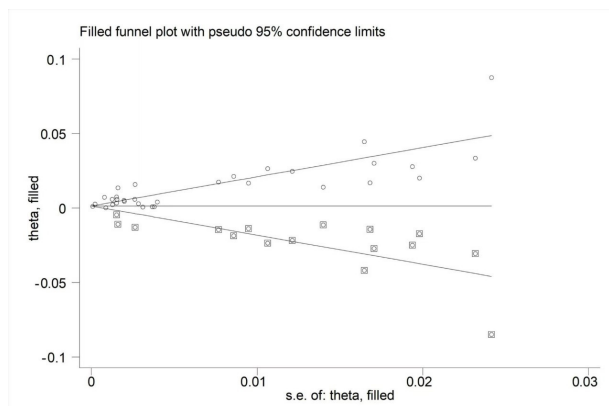
**Figure S1** Quality assessment of the included studies (3-11,15-18,23-41) (risk bias of graph). Notes: risk bias of graph: details of all risk of bias for each included study.



**Figure S2** Sensitivity analysis (Remove-One analysis) for pooled incidence of liver abscess formation after transarterial chemoembolization (3-11,15-18,23-41). Abbreviation: CI, confidence interval.



**Figure S3** (A,B) Funnel plot assessing publication bias for 32 studies with incidence of liver abscess formation after transarterial chemoembolization (3-11,15-18,23-41) [Egger's test  $P < 0.05$ ].



**Figure S4** The “trim and fill” method was used for adjusting publication bias and showed potentially missing studies for this meta-analysis (3-11,15-18,23-41).