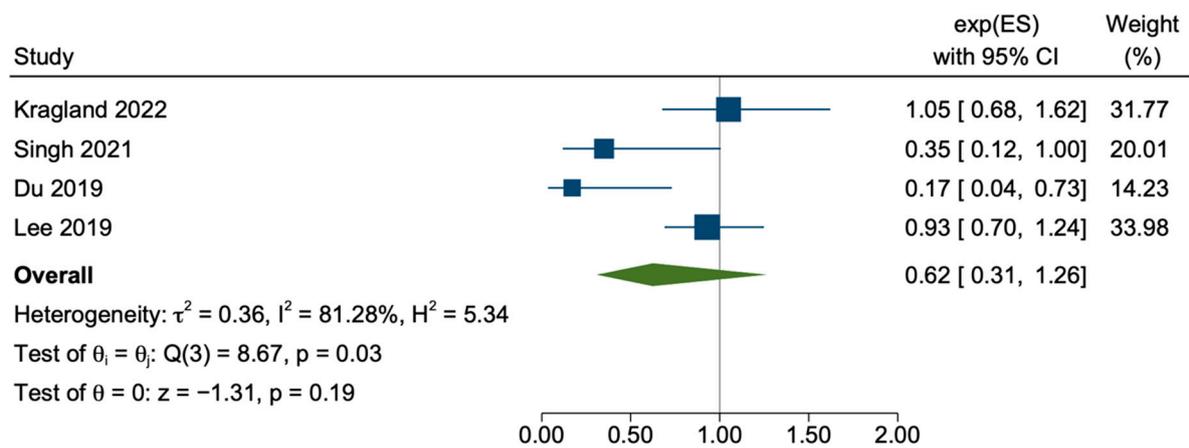


Random-effects REML model

**Figure S1.** Random-effects meta-analysis of the pooled case-control studies, utilising only crude unadjusted data [46–49].



Random-effects REML model

**Figure S2.** Subgroup random-effects meta-analysis of patients with cirrhosis, utilising only crude unadjusted data [34,37–39,44].