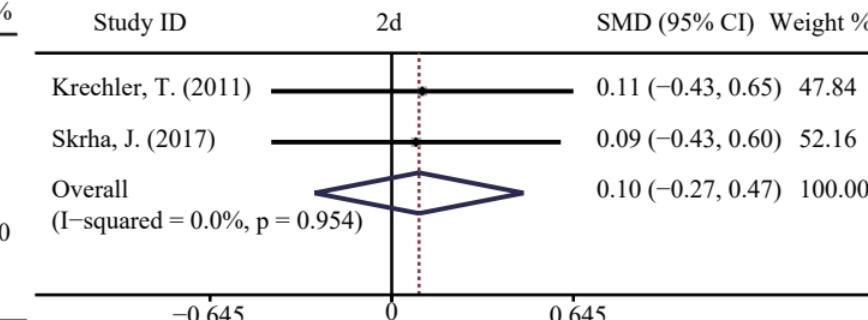
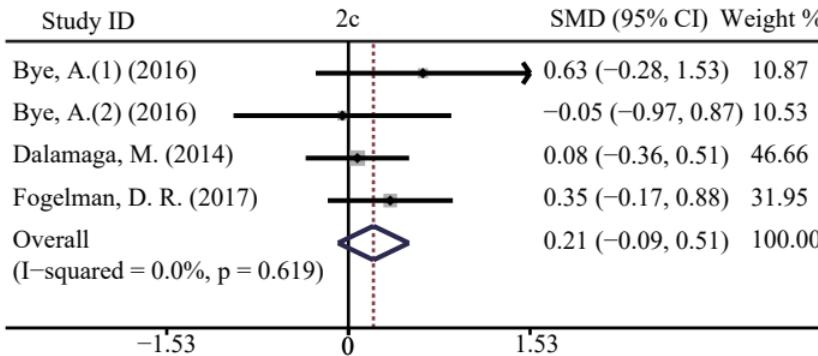
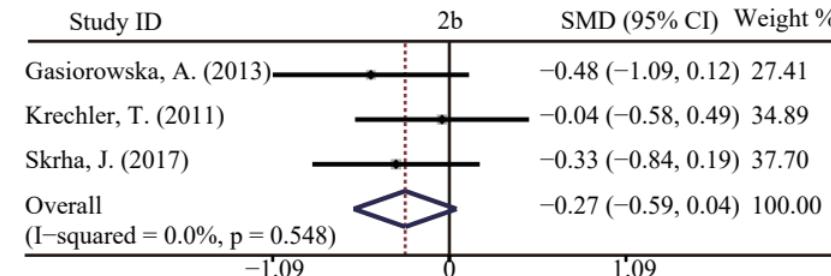
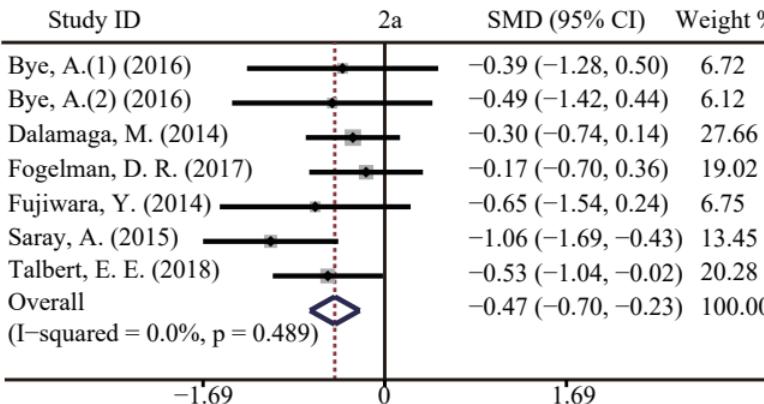
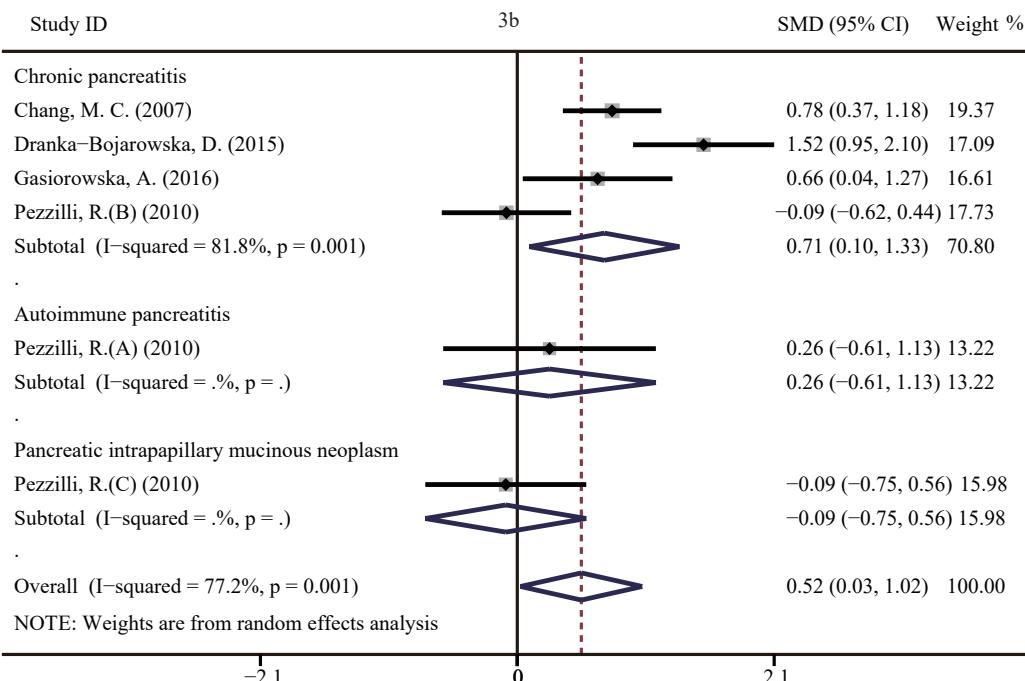
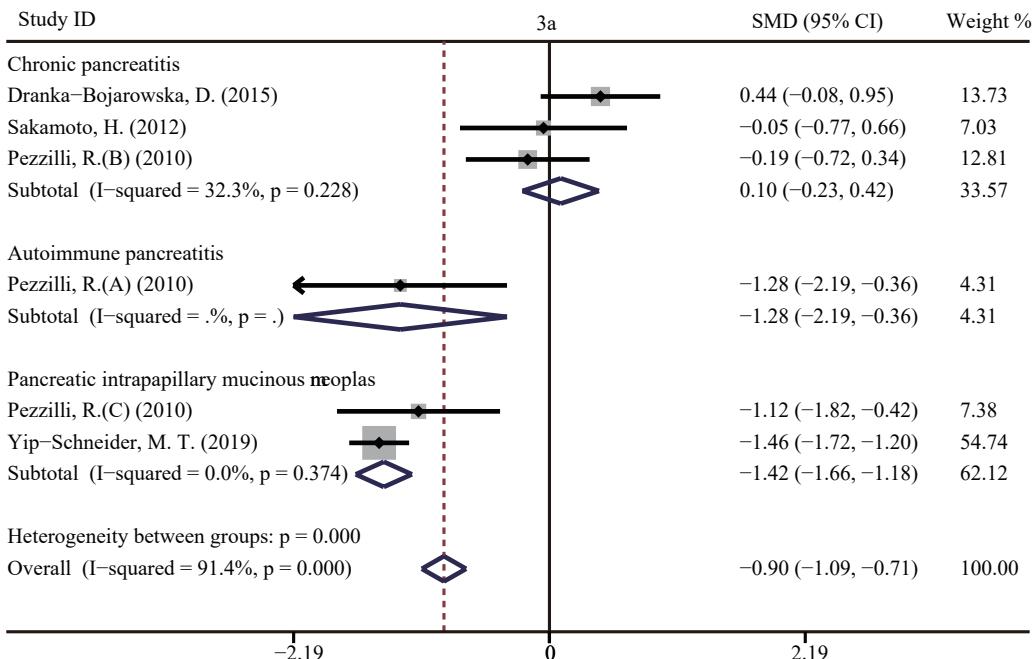


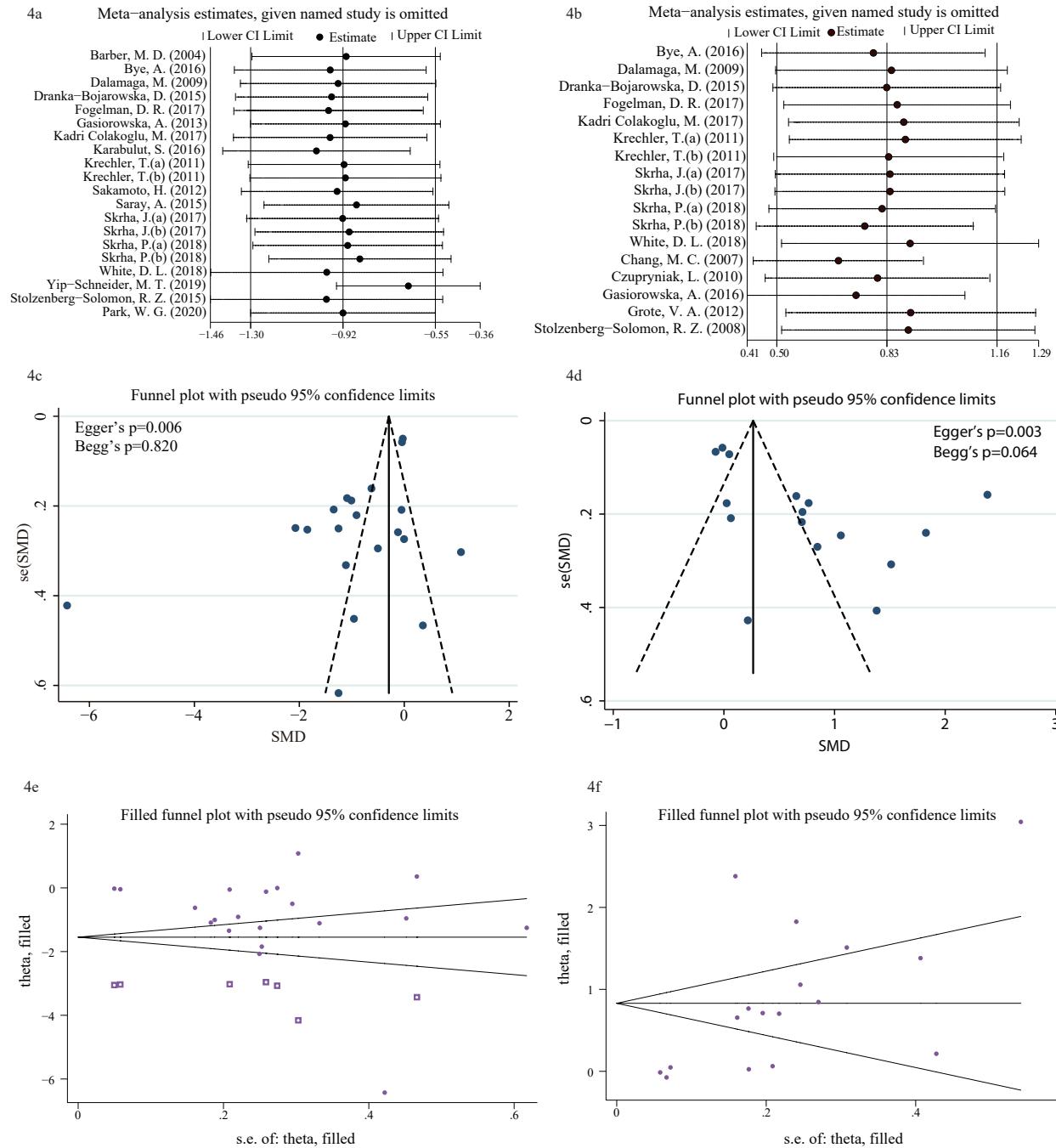
**Supplementary Figure 1:** PRISMA flow diagram of study selection.



**Supplementary Figure 2. Association of circulating leptin and AdipoQ levels with the occurrence of cachexia and diabetes in PC patients.** Circulating leptin level in PC patients with cachexia versus without cachexia (2a); Circulating leptin level in PC patients with diabetes versus without diabetes (2b); Circulating AdipoQ level in PC patients with cachexia versus without cachexia (2c); Circulating AdipoQ level in PC patients with diabetes versus without diabetes (2d).



**Supplementary Figure 3. Association of circulating leptin and AdipoQ levels with the occurrence of canceration.**  
Circulating leptin (3a) and AdipoQ (3b) levels in patients with PC versus precancerous lesions.



**Supplementary Figure 4. Sensitivity analysis and publication bias analysis of leptin and AdipoQ.** Sensitivity analysis with the leave-one-out method for leptin (4a) and AdipoQ (4b); Funnel plots for leptin (4c) and AdipoQ (4d); Funnel plots with the “trim and fill” method for leptin (4e) and AdipoQ (4f).