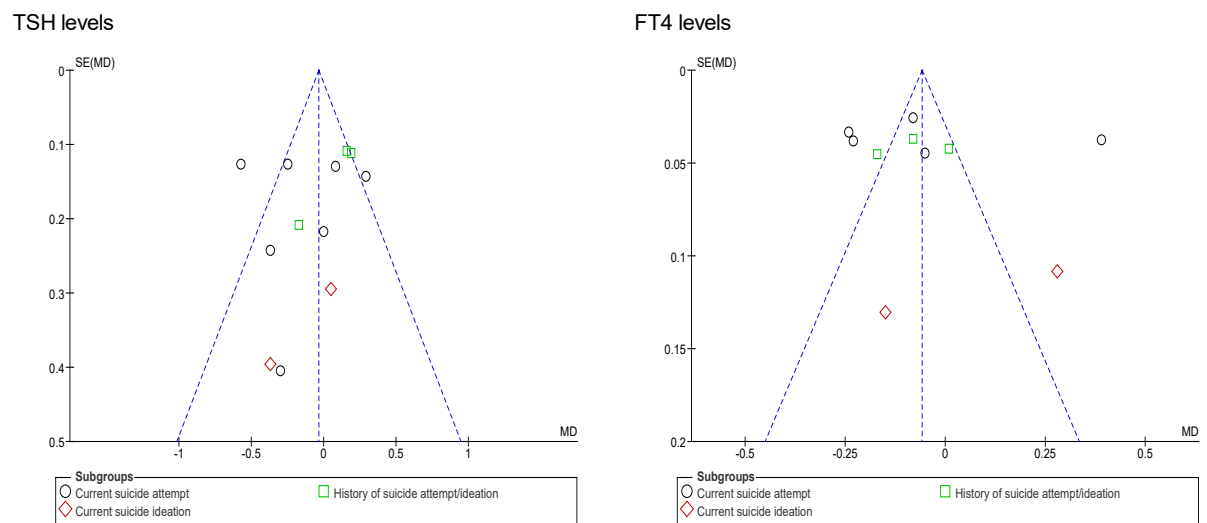


**Table S1.** Summary of risk of bias assessment for the included studies.

Study	Study type	Selection (Maximum: ☆☆☆)	Comparability (Maximum: ☆☆)	Outcome (Maximum: ☆☆☆)
Duval, 2010	Case-control	☆☆☆	☆☆	☆
Duval, 2017	Case-control	☆☆☆	-	☆☆
Jokinen, 2008	Case-control	☆☆☆☆	☆☆	☆☆
Jose, 2015	Case-control	☆☆☆☆	☆☆	-
Ozcan, 2016	Case-control	☆☆☆	☆☆	☆☆☆

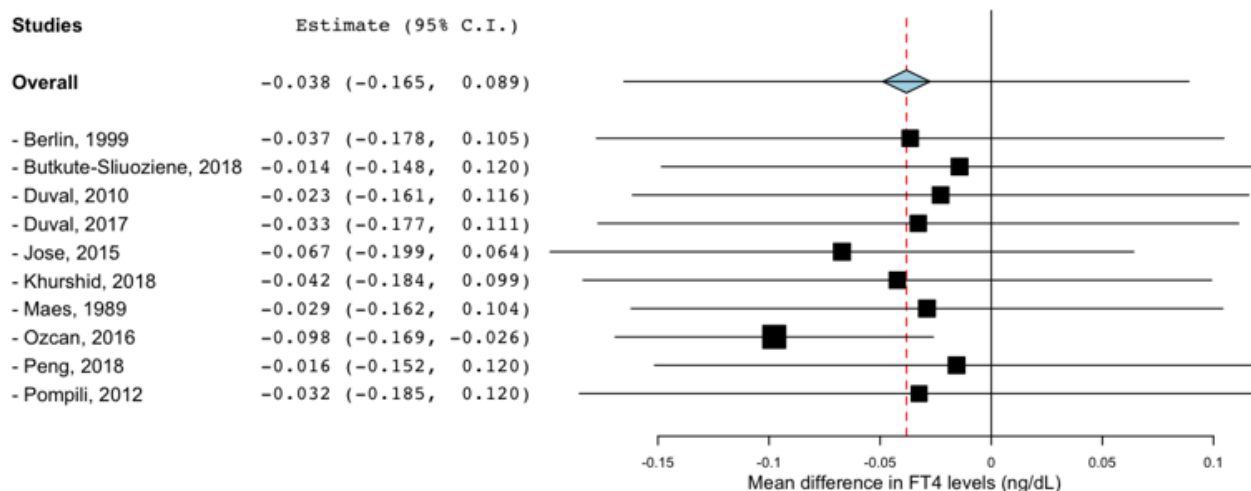
  

Study	Study type	Selection (Maximum: ☆☆☆)	Comparability (Maximum: ☆☆)	Outcome (Maximum: ☆)
Baek, 2014	Cross-sectional	☆☆	☆☆	-
Berlin, 1999	Cross-sectional	☆☆☆	☆☆	☆
Butkute- Sliuoziene, 2018	Cross-sectional	☆☆	-	-
Khurshid, 2018	Cross-sectional	☆☆☆	☆☆	-
Kim, 2013	Cross-sectional	☆☆	☆☆	-
Maes, 1989	Cross-sectional	☆☆☆	☆☆	-
Pompili, 2012	Cross-sectional	☆☆☆	☆☆	☆
Peng, 2018	Cross-sectional	☆☆☆	-	☆



**Figure S1.** Funnel plots for publication bias analysis.

## A) TSH levels



## B) FT4 levels

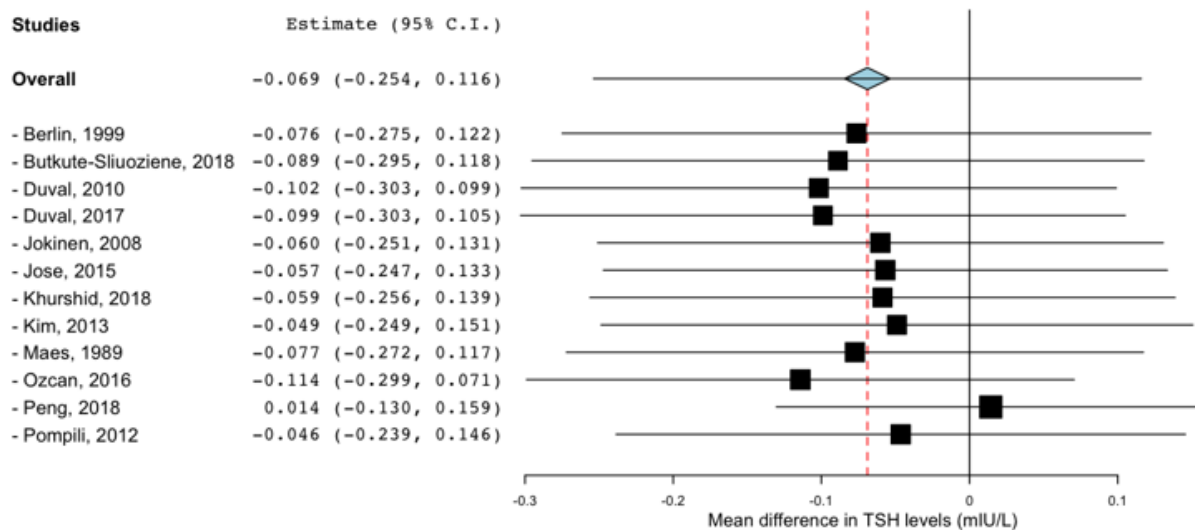


Figure S2. Leave-one-out sensitivity analysis of the studies included.