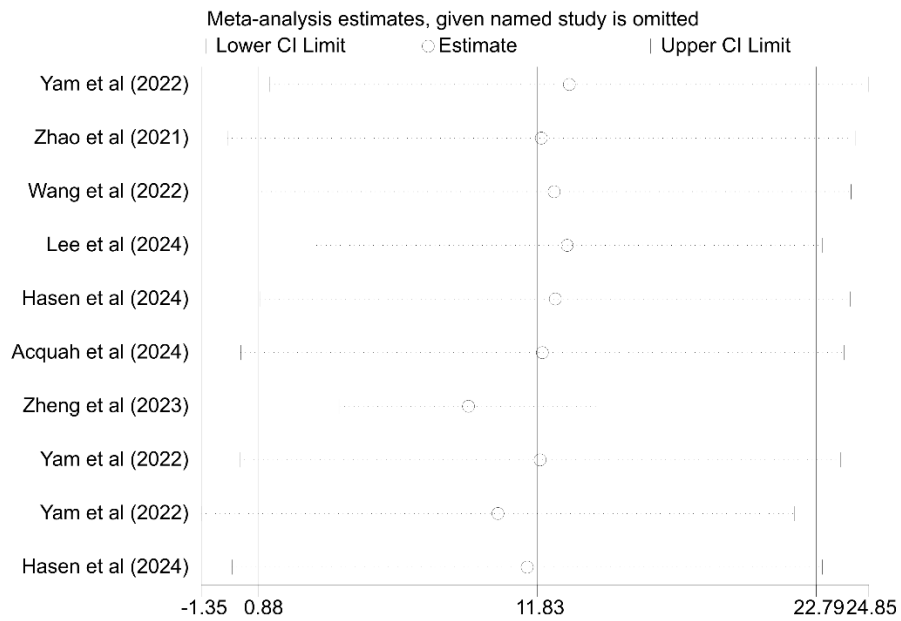


Supplementary Table 1. Characteristics of the Included Studies at Baseline in the Meta-analysis

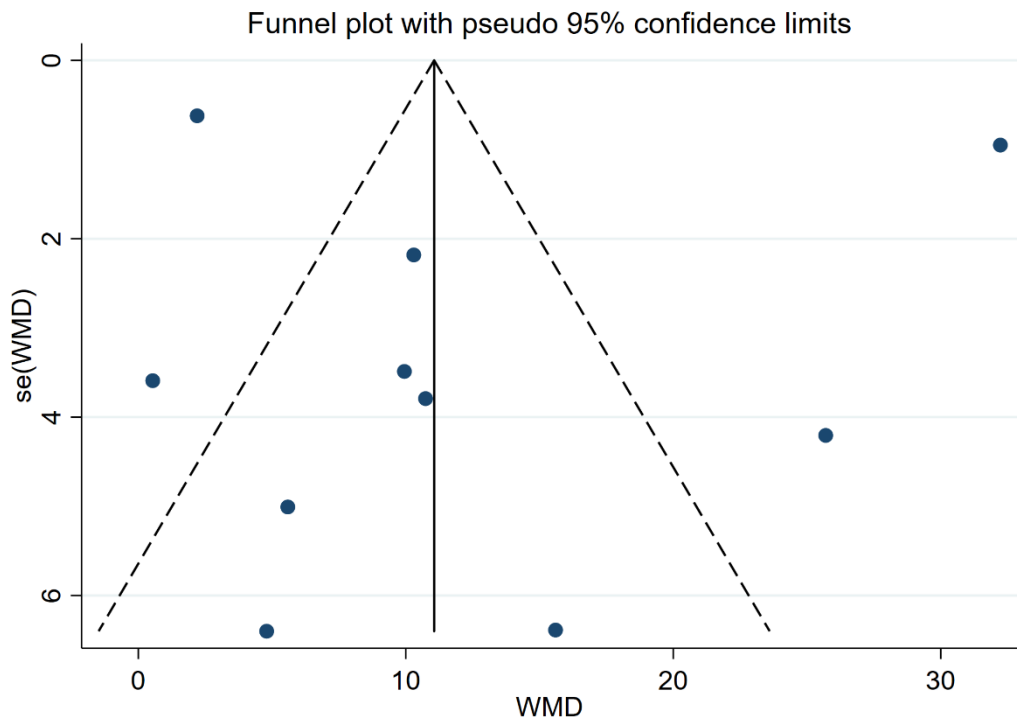
Study	Atropine Sources and Uses	OCT inspection machine	Choroidal thickness Measurement
Yam et al 2022	Aseptic Innovative Medicine Co, LTD, Taipei, Taiwan once nightly	SD-OCT (Heidelberg Engineering, Germany) with the EDI mode	MATLAB software
Kong et al 2021	Shenyang Xing qi Pharmaceutical Co, LTD, Shenyang, China once nightly	SD-OCT (RS-3000, NIDEK, Co, Ltd, Japan).	built-in software
Ye et al 2020	Shenyang Xing qi Pharmaceutical Co, LTD, Shenyang, China once per day	SS-OCT (Topcon Corp., Tokyo, Japan)	built-in software
Zhao et al 2021	Shenyang Xing qi Pharmaceutical Co, LTD, Shenyang, China once nightly	SD-OCT (Heidelberg Engineering, Germany) with the EDI mode	Heidelberg linear measurement tool
Hao et al 2021	Shenyang Xing qi Pharmaceutical Co, LTD, Shenyang, China once nightly	SD-OCT (CIRRUS HD-OCT,5000, SINGAPORE)	undescribed
Wang et al 2022	(0.05% atropine sulfate (1 ml) in poly (ethylene glycol) eye drops (4 ml)) once nightly	SD-OCT (Heidelberg Engineering, Germany) with the EDI mode	Heidelberg Eye Explorer software
Lee et al 2024	Undescribed once nightly	SD-OCT (Heidelberg Engineering, Germany) with the EDI mode	MATLAB software

Fu et al 2024	Undescribed once nightly	SS-OCTA (VG200S; SVision Imaging, Ltd, Henan, China)	built-in software
Hansen et al 2024	Undescribed once nightly	SS-OCT	built-in software
Acquah et al 2024	Undescribed Undescribed	SS-OCT (DRI-OCT Triton Plus; Topcon Corporation, Tokyo, Japan)	MATLAB software
Zheng et al 2023	Undescribed once nightly	SD-OCT (Heidelberg Engineering, Germany)	built-in software

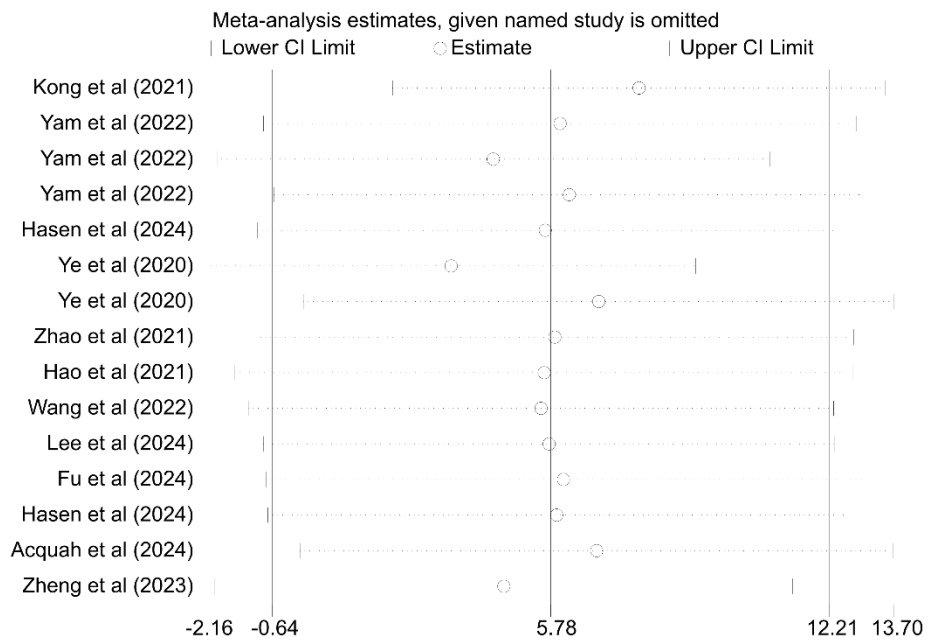
SD-OCT: spectral-domain optical coherence tomography; SS-OCT: swept-source optical coherence tomography



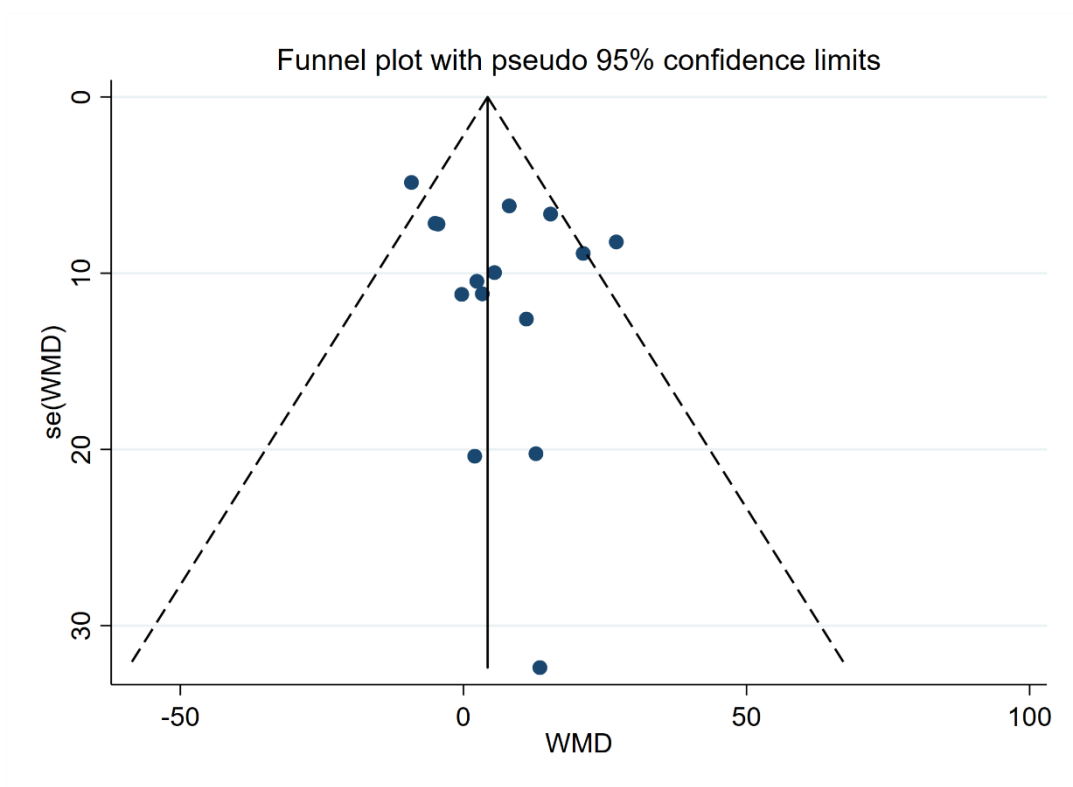
Supplementary Figure 2 sensitivity analysis of the included studies



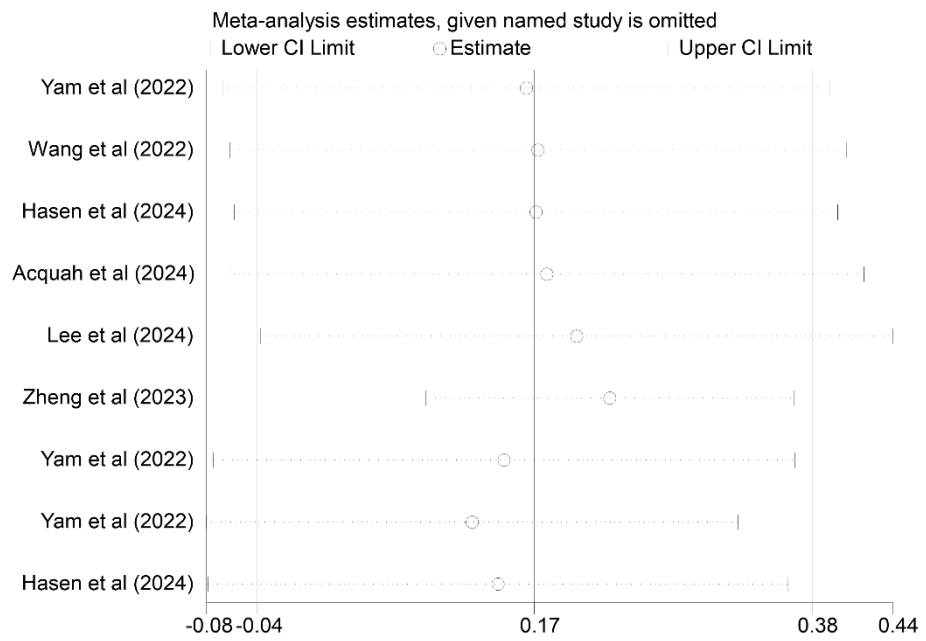
Supplementary Figure 2 funnel plot of the included studies



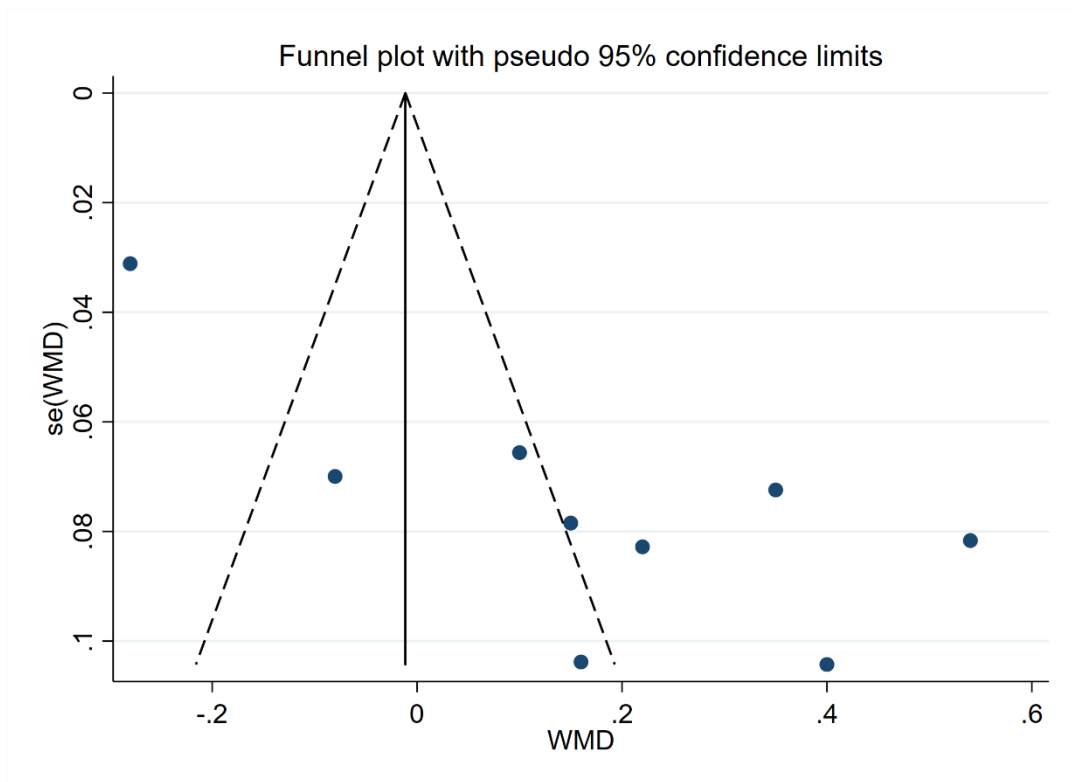
Supplementary Figure 3 sensitivity analysis of the included studies



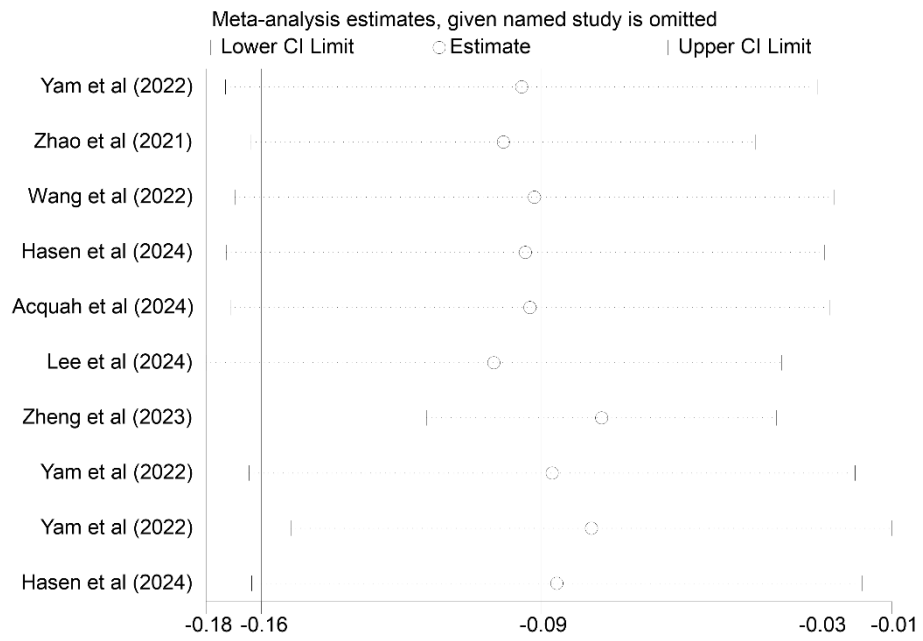
Supplementary Figure 4 funnel plot of the included studies



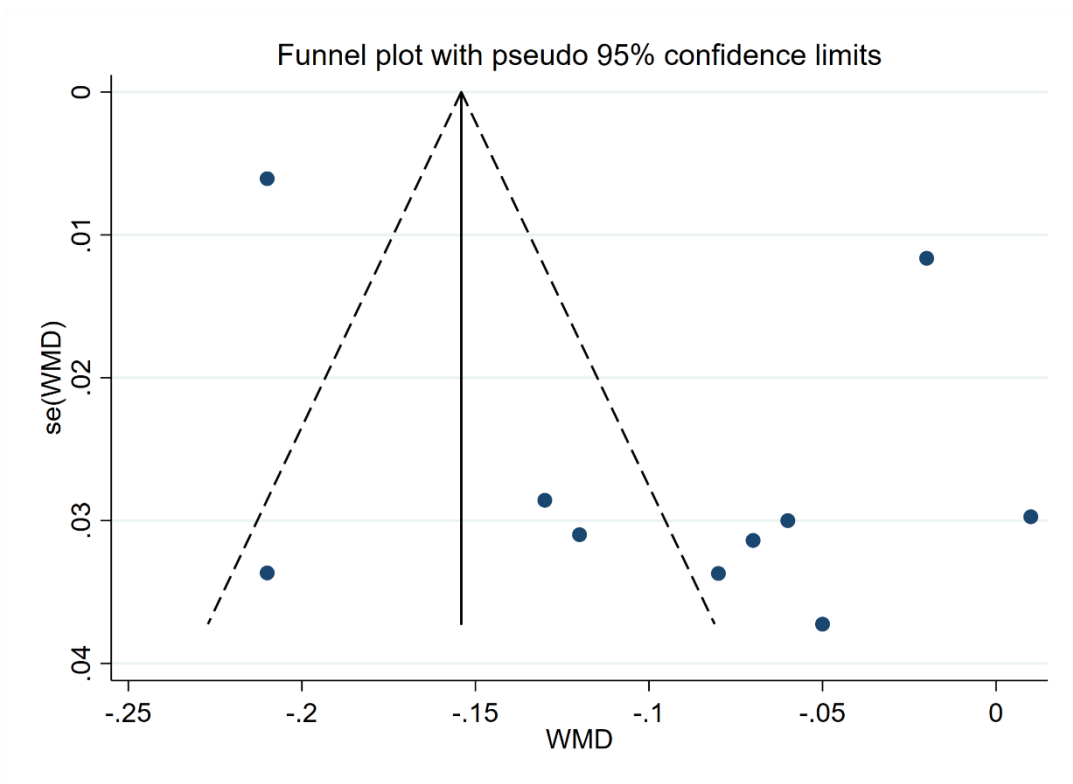
Supplementary Figure 5 sensitivity analysis of the included studies



Supplementary Figure 6 funnel plot of the included studies



Supplementary Figure 7 sensitivity analysis of the included studies



Supplementary Figure 8 funnel plot of the included studies