

Table 2. Risk of bias assessment of included randomized clinical trials using RoB 2

Study	D1: Randomization process	D2: Deviations from intended interventions	D3: Missing outcome data	D4: Measurement of the outcome	D5: Selection of reported result	Overall RoB 2 judgment
Vergote et al., 2025; INNOVATE-3	Low risk	Some concerns	Low risk	Some concerns	Low risk	Some concerns
Assouline et al., 2023	Some concerns	Some concerns	Some concerns	Some concerns	Some concerns	Some concerns
Bauer et al., 2022; INTRIGUE	Low risk	Some concerns	Low risk	Low risk	Low risk	Some concerns
Brose et al., 2021; COSMIC-311	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk
Heudobler et al., 2021; ModuLung	Some concerns	Some concerns	Some concerns	Some concerns	Some concerns	Some concerns
Mukai et al., 2021; SELECT BC-CONFIRM	Low risk	Some concerns	Low risk	Low risk	Low risk	Some concerns
Zhao et al., 2024; INO-VATE molecular analysis	Low risk	Some concerns	High risk	Some concerns	Some concerns	High risk
Locke et al., 2022; ZUMA-7	Low risk	Some concerns	Low risk	Low risk	Low risk	Some concerns
Ying et al., 2021; RELIANCE	Some concerns	Some concerns	Some concerns	Some concerns	Some concerns	Some concerns
San-Miguel et al., 2023; CARTITUDE-4	Low risk	Some concerns	Low risk	Low risk	Low risk	Some concerns
Lentz et al., 2024	Some concerns	Some concerns	Some concerns	Some concerns	Some concerns	Some concerns
Shoji et al., 2022; JGOG3023	Low risk	Some concerns	Low risk	Some concerns	Low risk	Some concerns
Andreadis et al., 2025	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk
Metzger et al., 2026; PATINA	Low risk	Some concerns	Low risk	Some concerns	Low risk	Some concerns
Powles et al., 2021; EV-301	Low risk	Some concerns	Low risk	Low risk	Low risk	Some concerns
Voorthuis et al., 2026; POSEIDON	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk
Bardia et al., 2021; ASCENT	Low risk	Some concerns	Low risk	Low risk	Low risk	Some concerns
Bishop et al., 2022; BELINDA	Low risk	Some concerns	Low risk	Low risk	Low risk	Some concerns