Supplementary Table S1. Risk of bias assessment of included studies

Study	Year	Overall risk of bias	Score (Yes/8)
Machevin-Surugue et al.[19]	2002	Moderate	5/8
Barrea et al.[14]	2011	Low	7/8
Esmer et al.[15]	2014	Low	6/8
Choi et al.[20]	2016	Moderate	5/8
Özsürmeli et al.[16]	2019	Low	7/8
Minsart et al.[21]	2020	Moderate	5/8
Durand et al.[13]	2022	Low	7/8
Cao et al.[17]	2022	Low	6/8
Yang et al.[24]	2023	High	3/8
Kahramanoğlu et al.[18]	2024	Low	7/8
Li and Wu[22]	2025	Moderate	5/8
Wei et al.[23]	2026	Moderate	5/8

Risk of bias was assessed using an 8-domain framework adapted by the authors from the JBI critical appraisal checklists: (1) sampling frame, (2) inclusion criteria, (3) validity of PLSVC diagnosis, (4) definition of isolation, (5) completeness of follow-up, (6) ascertainment of chromosomal outcome, (7) statistical analysis, (8) participation rate. The official JBI checklists do not specify this format or numerical cut-offs; thresholds were defined by the authors. Low risk: 6-8 "yes" responses, moderate risk: 4-5, high risk: ≤3
JBI: Joanna Briggs Institute, PLSVC: Persistent left superior vena cava