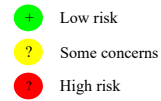


A. Risk of bias figures

Unique ID	Experimental	Comparator	Outcome	Weight	Randomization process	Deviations from intended inter	Missing outcome data	Measurement of the outcome	Selection of the reported result	Overall	
1-Tom2016	HIVEC	BCG	RFS	1	+	?	+	+	+	!	+
1-Wei2019	HIVEC	BCG	RFS	1	+	+	+	+	+	+	+
1-Guerrero2023	HIVEC	BCG	RFS, PFS	1	+	+	+	+	+	+	+
2-Colombo2010	HIVEC	MMC	RFS	1	+	+	+	+	+	+	+
2-Wei2023	HIVEC	MMC	RFS, PFS	1	+	+	+	+	+	+	+
3-Rintala1991	BCG	MMC	RFS	1	+	?	+	+	+	!	+
3-J. A. 1998	BCG	MMC	RFS, PFS	1	+	+	+	+	+	+	+
3-Friedrich2007	BCG	MMC	RFS	1	+	+	+	+	+	+	+
3-Gårdmark2007	BCG	MMC	PFS	1	+	+	+	+	+	+	+
3-Ojea2007	BCG	MMC	RFS, PFS	1	+	+	+	+	+	+	+
3-Isbarn2008	BCG	MMC	RFS	1	+	+	+	+	+	+	+
5-Nijjima1983	MMC	TURB	RFS	1	+	+	+	+	+	+	+
5-Tsushima1987	MMC	TURB	RFS	1	+	+	+	+	+	+	+
4-Yamamoto1990	BCG	TURB	RFS	1	+	+	+	+	+	+	+
3-S. KREGE1996	BCG, MMC	TURB	RFS	1	+	+	+	+	+	+	+
5-SAKAMOTO2001	MMC	TURB	RFS	1	+	+	+	+	+	+	+
5-De Nunzio2011	MMC	TURB	RFS	1	+	+	+	+	+	+	+
5-Akaza1987	MMC	TURB	RFS	1	+	+	+	+	+	+	+
5-HYEON1989	MMC	TURB	RFS, PFS	1	+	+	+	+	+	+	+
4-FRANCESCO1991	BCG	TURB	RFS, PFS	1	+	+	+	+	+	+	+
4-Melekos1993	BCG	TURB	RFS, PFS	1	+	+	+	+	+	+	+
3-PETER1995	BCG1,2	MMC	RFS, PFS	1	+	+	+	+	+	+	+
4-Harry1995	BCG	TURB	RFS, PFS	1	+	!	+	+	+	!	!
3-Donald1995	BCG	MMC	RFS, PFS	1	+	+	+	+	+	+	+
5-TOLLEY1996	MMC	TURB	RFS, PFS	1	+	+	+	+	+	+	+
3-PER-UNO1999	BCG	MMC	RFS	1	+	+	+	+	+	+	+
3-Barbara2008	BCG	MMC	RFS	1	+	+	+	+	+	+	+
3-Riikka2009	BCG	MMC	RFS, PFS	1	+	+	+	+	+	+	+
2-Angulo2023	HIVEC	MMC	RFS	1	+	+	+	+	+	+	+
4-Herr1997	BCG	TURB	PFS	1	+	+	+	+	+	+	+
4-Iamm1980	MMC	TURB	RFS	1	+	+	+	+	+	+	+
3-J.A1993	BCG	MMC	RFS	1	+	+	+	+	+	+	+
3-lundholm1996	BCG	MMC	RFS	1	+	+	+	+	+	+	+
3-Geert1998	BCG	MMC	RFS, PFS	1	+	+	+	+	+	+	+



B. Risk of bias graph

	Randomization process	Deviations from intended interventions	Missing outcome data	Measurement of the outcome	Selection of the reported result	Overall Bias
Total number of study = 34						
Low risk	100	91.2	100	100	100	91.2
Some concerns	0	5.9	0	0	0	5.9
High risk	0	2.9	0	0	0	2.9

