

a

Study or Subgroup	HSCT+MSC		HSCT		Weight	Risk Ratio	Risk Ratio
	Events	Total	Events	Total		M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
6.1.1 Hematologic Malignancies							
Baron. 2010	6	20	4	16	11.4%	1.20 [0.41, 3.54]	
Bernardo. 2011	3	13	9	39	11.6%	1.00 [0.32, 3.15]	
Kang. 2017	11	34	7	13	26.0%	0.60 [0.30, 1.21]	
Liu. 2011	3	27	2	28	5.1%	1.56 [0.28, 8.59]	
Mareika. 2016	1	10	0	12	1.2%	3.55 [0.16, 78.56]	
Ning. 2008	6	10	3	15	6.2%	3.00 [0.97, 9.30]	
Wu. 2013b	2	8	2	12	4.1%	1.50 [0.26, 8.58]	
Xiang. 2017	5	32	8	32	20.6%	0.63 [0.23, 1.71]	
Zhang. 2015	2	22	6	27	13.9%	0.41 [0.09, 1.83]	
Subtotal (95% CI)		176		194	100.0%	0.96 [0.66, 1.41]	
Total events	39		41				
Heterogeneity: $\chi^2 = 8.98$, $df = 8$ ($P = 0.34$); $I^2 = 11\%$							
Test for overall effect: $Z = 0.20$ ($P = 0.84$)							
6.1.2 Nonmalignant disorders							
Subtotal (95% CI)		0		0		Not estimable	
Total events	0		0				
Heterogeneity: Not applicable							
Test for overall effect: Not applicable							
Total (95% CI)		176		194	100.0%	0.96 [0.66, 1.41]	
Total events	39		41				
Heterogeneity: $\chi^2 = 8.98$, $df = 8$ ($P = 0.34$); $I^2 = 11\%$							
Test for overall effect: $Z = 0.20$ ($P = 0.84$)							
Test for subgroup differences: Not applicable							

b

Study or Subgroup	HSCT+MSC		HSCT		Weight	Risk Ratio	Risk Ratio
	Events	Total	Events	Total		M-H, Random, 95% CI	M-H, Random, 95% CI
6.2.1 Identical							
Ning. 2008	6	10	3	15	12.3%	3.00 [0.97, 9.30]	
Xiang. 2017	5	32	8	32	15.1%	0.63 [0.23, 1.71]	
Subtotal (95% CI)		42		47	27.4%	1.34 [0.29, 6.25]	
Total events	11		11				
Heterogeneity: $\tau^2 = 0.94$; $\chi^2 = 4.16$, $df = 1$ ($P = 0.04$); $I^2 = 76\%$							
Test for overall effect: $Z = 0.37$ ($P = 0.71$)							
6.2.2 Non-identical							
Baron. 2010	6	20	4	16	13.3%	1.20 [0.41, 3.54]	
Bernardo. 2011	3	13	9	39	12.0%	1.00 [0.32, 3.15]	
Kang. 2017	11	34	7	13	26.8%	0.60 [0.30, 1.21]	
Liu. 2011	3	27	2	28	5.8%	1.56 [0.28, 8.59]	
Wu. 2013b	2	8	2	12	5.6%	1.50 [0.26, 8.58]	
Zhang. 2015	2	22	6	27	7.4%	0.41 [0.09, 1.83]	
Subtotal (95% CI)		124		135	70.8%	0.81 [0.51, 1.28]	
Total events	27		30				
Heterogeneity: $\tau^2 = 0.00$; $\chi^2 = 3.20$, $df = 5$ ($P = 0.67$); $I^2 = 0\%$							
Test for overall effect: $Z = 0.90$ ($P = 0.37$)							
6.2.3 Not Reported							
Mareika. 2016	1	10	0	12	1.8%	3.55 [0.16, 78.56]	
Subtotal (95% CI)		10		12	1.8%	3.55 [0.16, 78.56]	
Total events	1		0				
Heterogeneity: Not applicable							
Test for overall effect: $Z = 0.80$ ($P = 0.42$)							
Total (95% CI)		176		194	100.0%	0.96 [0.63, 1.46]	
Total events	39		41				
Heterogeneity: $\tau^2 = 0.05$; $\chi^2 = 8.98$, $df = 8$ ($P = 0.34$); $I^2 = 11\%$							
Test for overall effect: $Z = 0.20$ ($P = 0.84$)							
Test for subgroup differences: $\chi^2 = 1.18$, $df = 2$ ($P = 0.55$), $I^2 = 0\%$							

0.005 0.1 1 10 200

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Study or Subgroup	HSCT+MSC		HSCT		Weight	Risk Ratio M-H, Fixed, 95% CI	Risk Ratio M-H, Fixed, 95% CI
	Events	Total	Events	Total			
6.3.1 ≤18 years old							
Bernardo. 2011	3	13	9	39	11.6%	1.00 [0.32, 3.15]	
Kang. 2017	11	34	7	13	26.0%	0.60 [0.30, 1.21]	
Mareika. 2016	1	10	0	12	1.2%	3.55 [0.16, 78.56]	
Wu. 2013b	2	8	2	12	4.1%	1.50 [0.26, 8.58]	
Xiang. 2017	5	32	8	32	20.6%	0.63 [0.23, 1.71]	
Subtotal (95% CI)		97		108	63.5%	0.79 [0.49, 1.30]	
Total events	22		26				
Heterogeneity: Chi² = 2.39, df = 4 (P = 0.66); I² = 0%							
Test for overall effect: Z = 0.92 (P = 0.36)							
6.3.2 >18 years old							
Baron. 2010	6	20	4	16	11.4%	1.20 [0.41, 3.54]	
Liu. 2011	3	27	2	28	5.1%	1.56 [0.28, 8.59]	
Ning. 2008	6	10	3	15	6.2%	3.00 [0.97, 9.30]	
Zhang. 2015	2	22	6	27	13.9%	0.41 [0.09, 1.83]	
Subtotal (95% CI)		79		86	36.5%	1.25 [0.68, 2.31]	
Total events	17		15				
Heterogeneity: Chi² = 4.50, df = 3 (P = 0.21); I² = 33%							
Test for overall effect: Z = 0.73 (P = 0.47)							
Total (95% CI)		176		194	100.0%	0.96 [0.66, 1.41]	
Total events	39		41				
Heterogeneity: Chi² = 8.98, df = 8 (P = 0.34); I² = 11%							
Test for overall effect: Z = 0.20 (P = 0.84)							
Test for subgroup differences: Chi² = 1.31, df = 1 (P = 0.25), I² = 23.4%							

0.05 0.2 1 5 20

Favours [HSCT+MSC] Favours [HSCT]