

b

Study or Subgroup	HSCT+MSC		HSCT		Weight	Risk Ratio	M-H, Fixed, 95% CI
	Events	Total	Events	Total		M-H, Fixed, 95% CI	
4.2.1 Identical							
Ghavamzad. 2017	9	41	11	29	15.6%	0.58 [0.28, 1.21]	
Ning. 2008	1	7	4	14	3.2%	0.50 [0.07, 3.67]	
Xiang. 2017	1	32	7	32	8.5%	0.14 [0.02, 1.10]	
Subtotal (95% CI)		80		75	27.4%	0.43 [0.22, 0.84]	
Total events	11		22				
Heterogeneity: Chi ² = 1.74, df = 2 (P = 0.42); I ² = 0%							
Test for overall effect: Z = 2.48 (P = 0.01)							
4.2.2 Non-identical							
Ball. 2007	1	14	6	47	3.3%	0.56 [0.07, 4.27]	
Bernardo. 2011	0	10	3	30	2.2%	0.40 [0.02, 7.19]	
Daganzo. 2009	1	8	11	33	5.2%	0.38 [0.06, 2.50]	
Kang. 2017	9	34	4	13	7.0%	0.86 [0.32, 2.31]	
Liu. 2011	13	27	15	24	19.3%	0.77 [0.47, 1.27]	
MacMillan. 2009	0	7	4	23	2.7%	0.33 [0.02, 5.54]	
Wang. 2015	3	7	5	7	6.1%	0.60 [0.23, 1.59]	
Wu. 2013a	1	5	4	9	3.5%	0.45 [0.07, 3.01]	
Wu. 2013b	1	8	5	12	4.9%	0.30 [0.04, 2.11]	
Zhang. 2015	4	20	14	27	14.5%	0.39 [0.15, 1.00]	
Subtotal (95% CI)		140		225	68.6%	0.56 [0.39, 0.81]	
Total events	33		71				
Heterogeneity: Chi ² = 3.65, df = 9 (P = 0.93); I ² = 0%							
Test for overall effect: Z = 3.08 (P = 0.002)							
4.2.3 Not Reported							
Xiao. 2013	0	7	3	8	4.0%	0.16 [0.01, 2.66]	
Subtotal (95% CI)		7		8	4.0%	0.16 [0.01, 2.66]	
Total events	0		3				
Heterogeneity: Not applicable							
Test for overall effect: Z = 1.28 (P = 0.20)							
Total (95% CI)		227		308	100.0%	0.51 [0.37, 0.70]	
Total events	44		96				
Heterogeneity: Chi ² = 6.86, df = 13 (P = 0.91); I ² = 0%							
Test for overall effect: Z = 4.14 (P < 0.0001)							
Test for subgroup differences: Chi ² = 1.16, df = 2 (P = 0.56), I ² = 0%							

Test

Study or Subgroup	HSCT+MSC		HSCT		Weight	Risk Ratio	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
	Events	Total	Events	Total		M-H, Fixed, 95% CI		
4.3.1 ≤18 years old								
Ball. 2007	1	14	6	47	3.3%	0.56 [0.07, 4.27]		
Bernardo. 2011	0	10	3	30	2.2%	0.40 [0.02, 7.19]		
Kang. 2017	9	34	4	13	7.0%	0.86 [0.32, 2.31]		
MacMillan. 2009	0	7	4	23	2.7%	0.33 [0.02, 5.54]		
Wu. 2013a	1	5	4	9	3.5%	0.45 [0.07, 3.01]		
Wu. 2013b	1	8	5	12	4.9%	0.30 [0.04, 2.11]		
Xiang. 2017	1	32	7	32	8.5%	0.14 [0.02, 1.10]		
Subtotal (95% CI)		110		166	32.1%	0.43 [0.23, 0.84]		
Total events	13		33					
Heterogeneity: Chi² = 3.22, df = 6 (P = 0.78); I² = 0%								
Test for overall effect: Z = 2.49 (P = 0.01)								
4.3.2 >18 years old								
Daganzo. 2009	1	8	11	33	5.2%	0.38 [0.06, 2.50]		
Liu. 2011	13	27	15	24	19.3%	0.77 [0.47, 1.27]		
Ning. 2008	1	7	4	14	3.2%	0.50 [0.07, 3.67]		
Wang. 2015	3	7	5	7	6.1%	0.60 [0.23, 1.59]		
Xiao. 2013	0	7	3	8	4.0%	0.16 [0.01, 2.66]		
Zhang. 2015	4	20	14	27	14.5%	0.39 [0.15, 1.00]		
Subtotal (95% CI)		76		113	52.2%	0.54 [0.36, 0.81]		
Total events	22		52					
Heterogeneity: Chi² = 3.32, df = 5 (P = 0.65); I² = 0%								
Test for overall effect: Z = 2.97 (P = 0.003)								
4.3.3 Not Reported								
Ghavamzad. 2017	9	41	11	29	15.6%	0.58 [0.28, 1.21]		
Subtotal (95% CI)		41		29	15.6%	0.58 [0.28, 1.21]		
Total events	9		11					
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.45 (P = 0.15)								
Total (95% CI)		227		308	100.0%	0.51 [0.37, 0.70]		
Total events	44		96					
Heterogeneity: Chi² = 6.86, df = 13 (P = 0.91); I² = 0%								
Test for overall effect: Z = 4.14 (P < 0.0001)								
Test for subgroup differences: Chi² = 0.41, df = 2 (P = 0.81), I² = 0%								