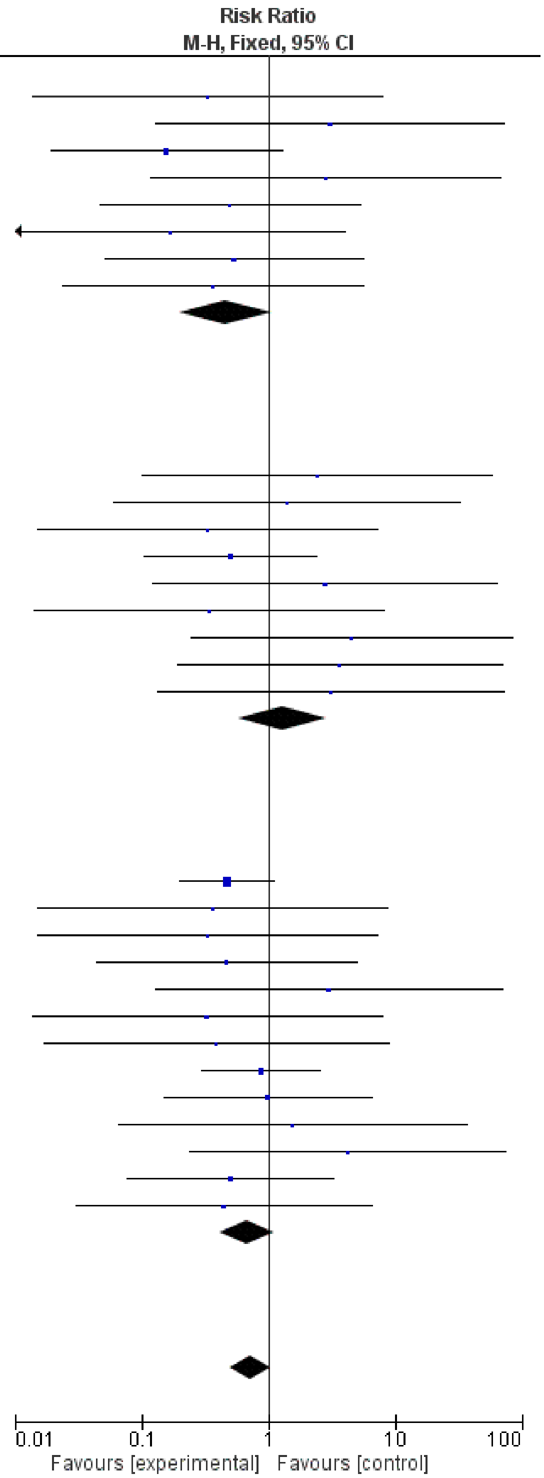
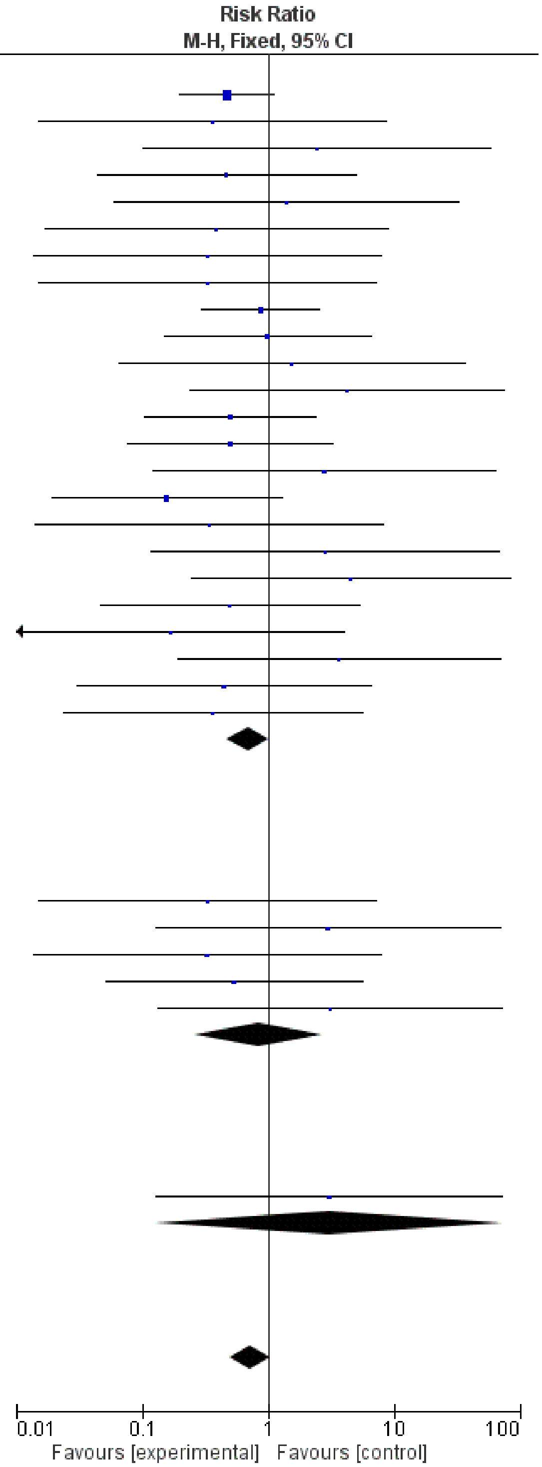
Study or Subgroup	Intervention Events	Intervention Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
1.14.1 time of assessment upto 6 months						
Huikuri 2008	0	40	1	40	2.4%	0.33 [0.01, 7.95]
Janssens 2006	1	33	0	34	0.8%	3.09 [0.13, 73.20]
Quyyumi 2017	1	100	6	95	9.7%	0.16 [0.02, 1.29]
Roncalli 2011	1	52	0	49	0.8%	2.83 [0.12, 67.87]
Tendera 2009	2	160	1	40	2.5%	0.50 [0.05, 5.38]
Traverse 2011	0	58	1	29	3.1%	0.17 [0.01, 4.04]
Wang 2014	1	28	2	30	3.0%	0.54 [0.05, 5.59]
Wollert 2017	1	71	1	26	2.3%	0.37 [0.02, 5.64]
Subtotal (95% CI)		**542**		**343**	**24.6%**	**0.46 [0.20, 1.06]**
Total events	7		12			
Heterogeneity: Chi^2 = 4.11, df = 7 (P = 0.77); I^2 = 0%						
Test for overall effect: Z = 1.81 (P = 0.07)						
1.14.2 time of assessment upto 12 months						
Chodry F 2016	1	54	0	44	0.9%	2.45 [0.10, 58.80]
Grajek 2010	1	31	0	14	1.1%	1.41 [0.06, 32.53]
Laguna 2018	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Piepoli MF 2010	2	19	4	19	6.3%	0.50 [0.10, 2.41]
Quyyumi 2011	1	16	0	15	0.8%	2.82 [0.12, 64.39]
Roman 2015	0	59	1	61	2.3%	0.34 [0.01, 8.29]
Surder 2016	4	133	0	67	1.0%	4.57 [0.25, 83.60]
Traverse 2018	3	79	0	41	1.0%	3.67 [0.19, 69.48]
Zhang 2021	1	21	0	22	0.8%	3.14 [0.13, 72.96]
Subtotal (95% CI)		**422**		**293**	**16.5%**	**1.31 [0.58, 2.92]**
Total events	13		6			
Heterogeneity: Chi^2 = 4.73, df = 8 (P = 0.79); I^2 = 0%						
Test for overall effect: Z = 0.65 (P = 0.52)						
1.14.3 time of assessment more than 12 months						
Assmus 2014	7	101	15	103	23.3%	0.48 [0.20, 1.12]
Cao 2009	0	41	1	45	2.2%	0.37 [0.02, 8.72]
Chullikana 2015	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Delewi 2015	1	69	2	65	3.2%	0.47 [0.04, 5.07]
Gao 2013	1	21	0	21	0.8%	3.00 [0.13, 69.70]
Gao 2015	0	58	1	57	2.4%	0.33 [0.01, 7.88]
Haddad 2020	0	17	1	20	2.2%	0.39 [0.02, 8.97]
Mathur A 2020	6	185	7	190	10.9%	0.88 [0.30, 2.57]
Meyer GP 2009	2	30	2	30	3.1%	1.00 [0.15, 6.64]
Naseri 2018	1	51	0	26	1.0%	1.56 [0.07, 36.96]
Penicka 2007	3	17	0	10	1.0%	4.28 [0.24, 75.20]
Plewka 2009	2	40	2	20	4.2%	0.50 [0.08, 3.29]
Whorle J 2010	1	29	1	13	2.2%	0.45 [0.03, 6.63]
Subtotal (95% CI)		**669**		**610**	**58.9%**	**0.68 [0.41, 1.10]**
Total events	24		33			
Heterogeneity: Chi^2 = 4.71, df = 12 (P = 0.97); I^2 = 0%						
Test for overall effect: Z = 1.57 (P = 0.12)						
Total (95% CI)		**1633**		**1246**	**100.0%**	**0.73 [0.50, 1.05]**
Total events	44		51			
Heterogeneity: Chi^2 = 15.51, df = 29 (P = 0.98); I^2 = 0%						
Test for overall effect: Z = 1.70 (P = 0.09)						
Test for subgroup differences: Chi^2 = 3.27, df = 2 (P = 0.20), I^2 = 38.8%						



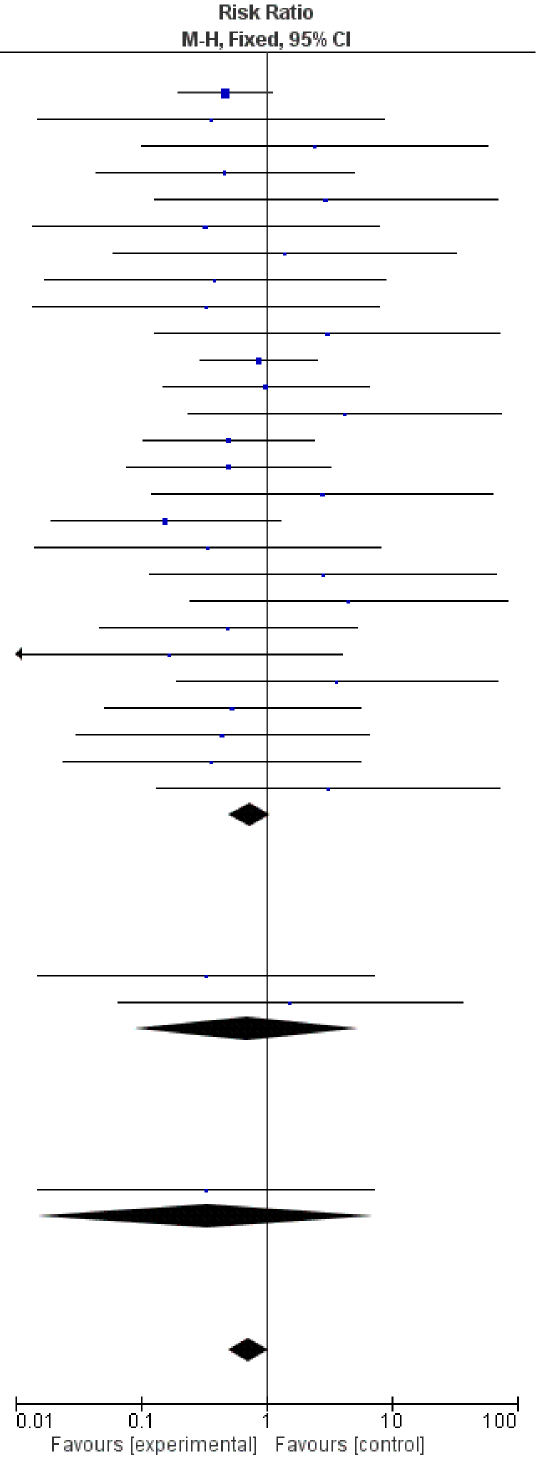
Supplementary Fig. 1A This forest plot shows the subgroup analysis of all-cause mortality in patients with acute myocardial infarction, comparing stem cell therapy with control, stratified by the timing of outcome assessment.

Study or Subgroup	Intervention Events	Intervention Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
1.15.1 Mononuclear						
Assmus 2014	7	101	15	103	23.3%	0.48 [0.20, 1.12]
Cao 2009	0	41	1	45	2.2%	0.37 [0.02, 8.72]
Chodry F 2016	1	54	0	44	0.9%	2.45 [0.10, 58.80]
Delewi 2015	1	69	2	65	3.2%	0.47 [0.04, 5.07]
Grajek 2010	1	31	0	14	1.1%	1.41 [0.06, 32.53]
Haddad 2020	0	17	1	20	2.2%	0.39 [0.02, 8.97]
Huikuri 2008	0	40	1	40	2.4%	0.33 [0.01, 7.95]
Laguna 2018	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Mathur A 2020	6	185	7	190	10.9%	0.88 [0.30, 2.57]
Meyer GP 2009	2	30	2	30	3.1%	1.00 [0.15, 6.64]
Naseri 2018	1	51	0	26	1.0%	1.56 [0.07, 36.96]
Penicka 2007	3	17	0	10	1.0%	4.28 [0.24, 75.20]
Piepoli MF 2010	2	19	4	19	6.3%	0.50 [0.10, 2.41]
Plewka 2009	2	40	2	20	4.2%	0.50 [0.08, 3.29]
Quyyumi 2011	1	16	0	15	0.8%	2.82 [0.12, 64.39]
Quyyumi 2017	1	100	6	95	9.7%	0.16 [0.02, 1.29]
Roman 2015	0	59	1	61	2.3%	0.34 [0.01, 8.29]
Roncalli 2011	1	52	0	49	0.8%	2.83 [0.12, 67.87]
Surder 2016	4	133	0	67	1.0%	4.57 [0.25, 83.60]
Tendera 2009	2	160	1	40	2.5%	0.50 [0.05, 5.38]
Traverse 2011	0	58	1	29	3.1%	0.17 [0.01, 4.04]
Traverse 2018	3	79	0	41	1.0%	3.67 [0.19, 69.48]
Whorle J 2010	1	29	1	13	2.2%	0.45 [0.03, 6.63]
Wollert 2017	1	71	1	26	2.3%	0.37 [0.02, 5.64]
Subtotal (95% CI)		**1462**		**1072**	**89.9%**	**0.69 [0.47, 1.03]**
Total events	40		47			
Heterogeneity: Chi² = 12.38, df = 23 (P = 0.96); I² = 0%						
Test for overall effect: Z = 1.83 (P = 0.07)						
1.15.2 Mesenchymal						
Chullikana 2015	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Gao 2013	1	21	0	21	0.8%	3.00 [0.13, 69.70]
Gao 2015	0	58	1	57	2.4%	0.33 [0.01, 7.88]
Wang 2014	1	28	2	30	3.0%	0.54 [0.05, 5.59]
Zhang 2021	1	21	0	22	0.8%	3.14 [0.13, 72.96]
Subtotal (95% CI)		**138**		**140**	**9.3%**	**0.85 [0.27, 2.73]**
Total events	3		4			
Heterogeneity: Chi² = 2.13, df = 4 (P = 0.71); I² = 0%						
Test for overall effect: Z = 0.27 (P = 0.79)						
1.15.3 Both						
Janssens 2006	1	33	0	34	0.8%	3.09 [0.13, 73.20]
Subtotal (95% CI)		**33**		**34**	**0.8%**	**3.09 [0.13, 73.20]**
Total events	1		0			
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.70 (P = 0.49)						
Total (95% CI)		**1633**		**1246**	**100.0%**	**0.73 [0.50, 1.05]**
Total events	44		51			
Heterogeneity: Chi² = 15.51, df = 29 (P = 0.98); I² = 0%						
Test for overall effect: Z = 1.70 (P = 0.09)						
Test for subgroup differences: Chi² = 0.93, df = 2 (P = 0.63), I² = 0%						



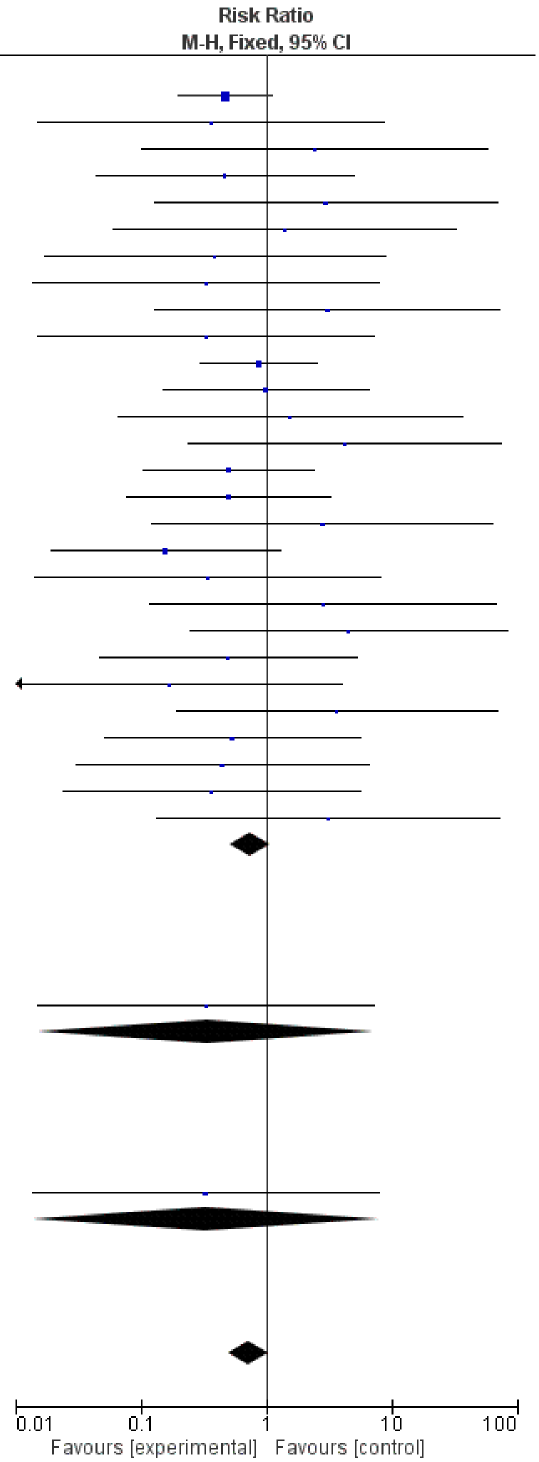
Supplementary Fig. 1B. This forest plot shows subgroup analysis of all-cause mortality incidence in acute myocardial infarction patients, stratified by the type of stem cells used.

Study or Subgroup	Intervention Events	Intervention Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
1.16.1 Intracoronary						
Assmus 2014	7	101	15	103	23.3%	0.48 [0.20, 1.12]
Cao 2009	0	41	1	45	2.2%	0.37 [0.02, 8.72]
Chodry F 2016	1	54	0	44	0.9%	2.45 [0.10, 58.80]
Delewi 2015	1	69	2	65	3.2%	0.47 [0.04, 5.07]
Gao 2013	1	21	0	21	0.8%	3.00 [0.13, 69.70]
Gao 2015	0	58	1	57	2.4%	0.33 [0.01, 7.88]
Grajek 2010	1	31	0	14	1.1%	1.41 [0.06, 32.53]
Haddad 2020	0	17	1	20	2.2%	0.39 [0.02, 8.97]
Huikuri 2008	0	40	1	40	2.4%	0.33 [0.01, 7.95]
Janssens 2006	1	33	0	34	0.8%	3.09 [0.13, 73.20]
Mathur A 2020	6	185	7	190	10.9%	0.88 [0.30, 2.57]
Meyer GP 2009	2	30	2	30	3.1%	1.00 [0.15, 6.64]
Penicka 2007	3	17	0	10	1.0%	4.28 [0.24, 75.20]
Piepoli MF 2010	2	19	4	19	6.3%	0.50 [0.10, 2.41]
Plewka 2009	2	40	2	20	4.2%	0.50 [0.08, 3.29]
Quyyumi 2011	1	16	0	15	0.8%	2.82 [0.12, 64.39]
Quyyumi 2017	1	100	6	95	9.7%	0.16 [0.02, 1.29]
Roman 2015	0	59	1	61	2.3%	0.34 [0.01, 8.29]
Roncalli 2011	1	52	0	49	0.8%	2.83 [0.12, 67.87]
Surder 2016	4	133	0	67	1.0%	4.57 [0.25, 83.60]
Tendera 2009	2	160	1	40	2.5%	0.50 [0.05, 5.38]
Traverse 2011	0	58	1	29	3.1%	0.17 [0.01, 4.04]
Traverse 2018	3	79	0	41	1.0%	3.67 [0.19, 69.48]
Wang 2014	1	28	2	30	3.0%	0.54 [0.05, 5.59]
Whorle J 2010	1	29	1	13	2.2%	0.45 [0.03, 6.63]
Wollert 2017	1	71	1	26	2.3%	0.37 [0.02, 5.64]
Zhang 2021	1	21	0	22	0.8%	3.14 [0.13, 72.96]
Subtotal (95% CI)		**1562**		**1200**	**94.3%**	**0.74 [0.50, 1.08]**
Total events	43		49			
Heterogeneity: Chi² = 14.83, df = 26 (P = 0.96); I² = 0%						
Test for overall effect: Z = 1.58 (P = 0.11)						
1.16.3 direct intramyocardia						
Laguna 2018	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Naseri 2018	1	51	0	26	1.0%	1.56 [0.07, 36.96]
Subtotal (95% CI)		**61**		**36**	**3.4%**	**0.71 [0.09, 5.53]**
Total events	1		1			
Heterogeneity: Chi² = 0.47, df = 1 (P = 0.49); I² = 0%						
Test for overall effect: Z = 0.33 (P = 0.74)						
1.16.4 anticubital vein of forearm						
Chullikana 2015	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Subtotal (95% CI)		**10**		**10**	**2.4%**	**0.33 [0.02, 7.32]**
Total events	0		1			
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.70 (P = 0.49)						
Total (95% CI)		**1633**		**1246**	**100.0%**	**0.73 [0.50, 1.05]**
Total events	44		51			
Heterogeneity: Chi² = 15.51, df = 29 (P = 0.98); I² = 0%						
Test for overall effect: Z = 1.70 (P = 0.09)						
Test for subgroup differences: Chi² = 0.25, df = 2 (P = 0.88), I² = 0%						



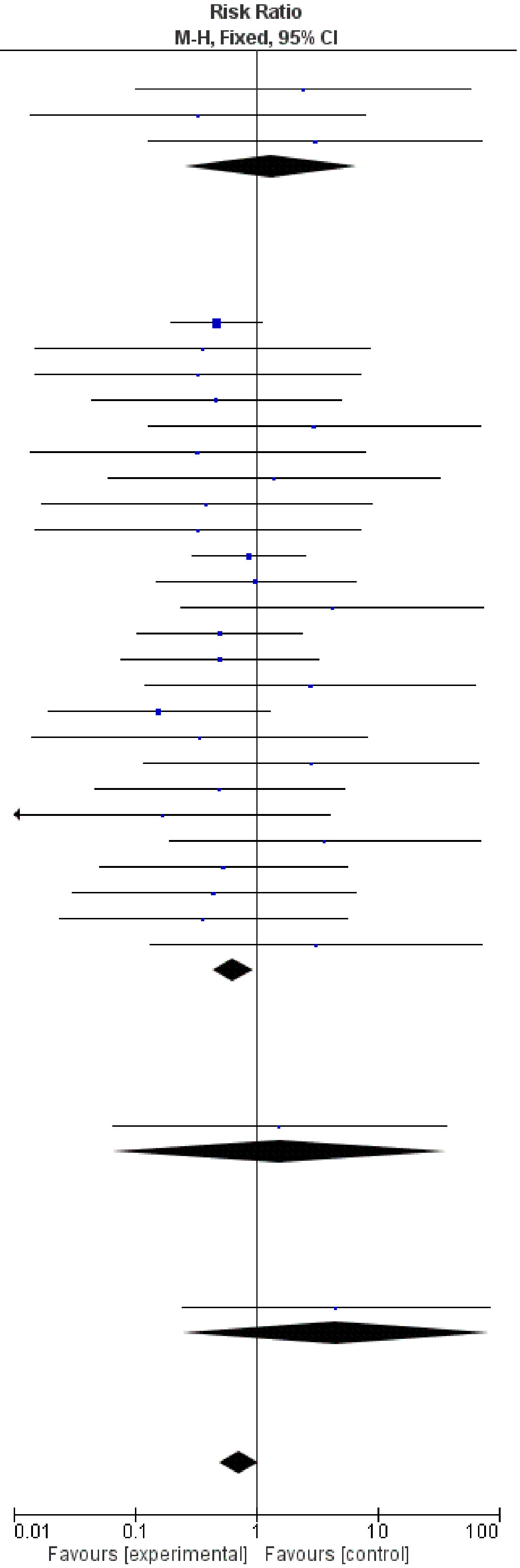
Supplementary Fig. 1C. This forest plot shows subgroup analysis of all-cause mortality incidence in acute myocardial infarction patients, stratified by theroute of administration.

Study or Subgroup	Intervention Events	Intervention Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
1.17.1 Autologous						
Assmus 2014	7	101	15	103	23.3%	0.48 [0.20, 1.12]
Cao 2009	0	41	1	45	2.2%	0.37 [0.02, 8.72]
Chodry F 2016	1	54	0	44	0.9%	2.45 [0.10, 58.80]
Delewi 2015	1	69	2	65	3.2%	0.47 [0.04, 5.07]
Gao 2013	1	21	0	21	0.8%	3.00 [0.13, 69.70]
Grajek 2010	1	31	0	14	1.1%	1.41 [0.06, 32.53]
Haddad 2020	0	17	1	20	2.2%	0.39 [0.02, 8.97]
Huikuri 2008	0	40	1	40	2.4%	0.33 [0.01, 7.95]
Janssens 2006	1	33	0	34	0.8%	3.09 [0.13, 73.20]
Laguna 2018	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Mathur A 2020	6	185	7	190	10.9%	0.88 [0.30, 2.57]
Meyer GP 2009	2	30	2	30	3.1%	1.00 [0.15, 6.64]
Naseri 2018	1	51	0	26	1.0%	1.56 [0.07, 36.96]
Penicka 2007	3	17	0	10	1.0%	4.28 [0.24, 75.20]
Piepoli MF 2010	2	19	4	19	6.3%	0.50 [0.10, 2.41]
Plewka 2009	2	40	2	20	4.2%	0.50 [0.08, 3.29]
Quyyumi 2011	1	16	0	15	0.8%	2.82 [0.12, 64.39]
Quyyumi 2017	1	100	6	95	9.7%	0.16 [0.02, 1.29]
Roman 2015	0	59	1	61	2.3%	0.34 [0.01, 8.29]
Roncalli 2011	1	52	0	49	0.8%	2.83 [0.12, 67.87]
Surder 2016	4	133	0	67	1.0%	4.57 [0.25, 83.60]
Tendera 2009	2	160	1	40	2.5%	0.50 [0.05, 5.38]
Traverse 2011	0	58	1	29	3.1%	0.17 [0.01, 4.04]
Traverse 2018	3	79	0	41	1.0%	3.67 [0.19, 69.48]
Wang 2014	1	28	2	30	3.0%	0.54 [0.05, 5.59]
Whorle J 2010	1	29	1	13	2.2%	0.45 [0.03, 6.63]
Wollert 2017	1	71	1	26	2.3%	0.37 [0.02, 5.64]
Zhang 2021	1	21	0	22	0.8%	3.14 [0.13, 72.96]
Subtotal (95% CI)		**1565**		**1179**	**95.3%**	**0.75 [0.51, 1.08]**
Total events	44		49			
Heterogeneity: Chi² = 15.08, df = 27 (P = 0.97); I² = 0%						
Test for overall effect: Z = 1.53 (P = 0.13)						
1.17.2 Allogeneic						
Chullikana 2015	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Subtotal (95% CI)		**10**		**10**	**2.4%**	**0.33 [0.02, 7.32]**
Total events	0		1			
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.70 (P = 0.49)						
1.17.3 Not mentioned						
Gao 2015	0	58	1	57	2.4%	0.33 [0.01, 7.88]
Subtotal (95% CI)		**58**		**57**	**2.4%**	**0.33 [0.01, 7.88]**
Total events	0		1			
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.69 (P = 0.49)						
Total (95% CI)		**1633**		**1246**	**100.0%**	**0.73 [0.50, 1.05]**
Total events	44		51			
Heterogeneity: Chi² = 15.51, df = 29 (P = 0.98); I² = 0%						
Test for overall effect: Z = 1.70 (P = 0.09)						
Test for subgroup differences: Chi² = 0.50, df = 2 (P = 0.78), I² = 0%						



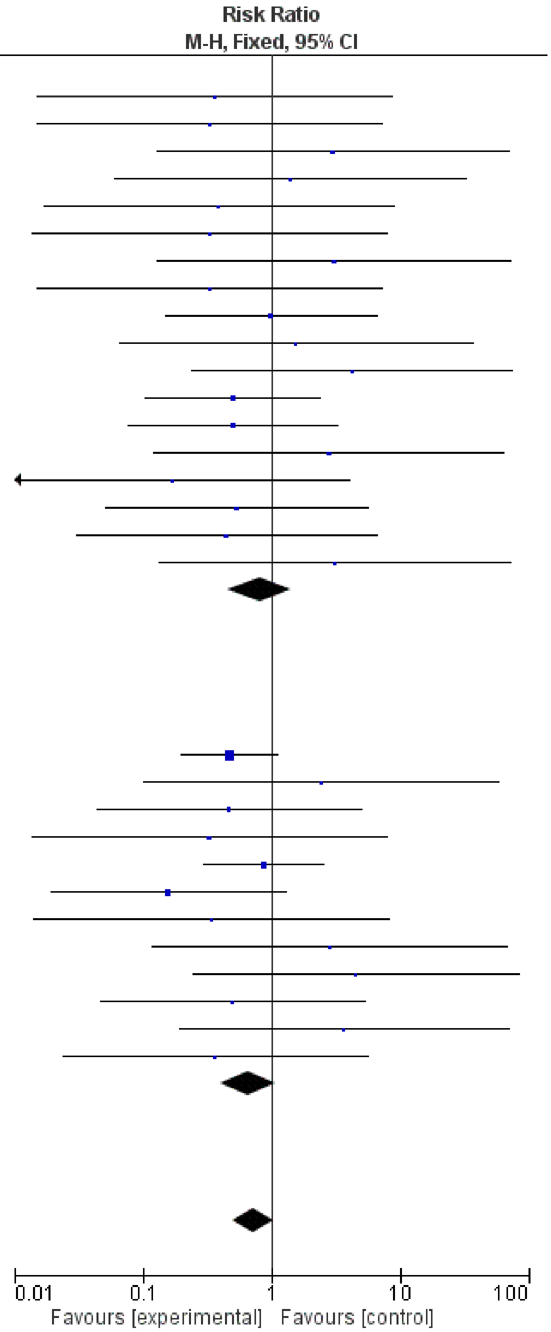
Supplementary Fig. 1D. This forest plot shows subgroup analysis of all-cause mortality incidence in acute myocardial infarction patients, stratified by autologous versus allogeneic stem cell therapy.

Study or Subgroup	Intervention Events	Intervention Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
1.18.1 Administration < 24 hours						
Chodry F 2016	1	54	0	44	0.9%	2.45 [0.10, 58.80]
Huikuri 2008	0	40	1	40	2.4%	0.33 [0.01, 7.95]
Janssens 2006	1	33	0	34	0.8%	3.09 [0.13, 73.20]
Subtotal (95% CI)		**127**		**118**	**4.0%**	**1.33 [0.26, 6.71]**
Total events	2		1			
Heterogeneity: Chi² = 1.15, df = 2 (P = 0.56); I² = 0%						
Test for overall effect: Z = 0.34 (P = 0.73)						
1.18.2 Administration 1 - 21 days						
Assmus 2014	7	101	15	103	23.3%	0.48 [0.20, 1.12]
Cao 2009	0	41	1	45	2.2%	0.37 [0.02, 8.72]
Chullikana 2015	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Delewi 2015	1	69	2	65	3.2%	0.47 [0.04, 5.07]
Gao 2013	1	21	0	21	0.8%	3.00 [0.13, 69.70]
Gao 2015	0	58	1	57	2.4%	0.33 [0.01, 7.88]
Grajek 2010	1	31	0	14	1.1%	1.41 [0.06, 32.53]
Haddad 2020	0	17	1	20	2.2%	0.39 [0.02, 8.97]
Laguna 2018	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Mathur A 2020	6	185	7	190	10.9%	0.88 [0.30, 2.57]
Meyer GP 2009	2	30	2	30	3.1%	1.00 [0.15, 6.64]
Penicka 2007	3	17	0	10	1.0%	4.28 [0.24, 75.20]
Piepoli MF 2010	2	19	4	19	6.3%	0.50 [0.10, 2.41]
Plewka 2009	2	40	2	20	4.2%	0.50 [0.08, 3.29]
Quyyumi 2011	1	16	0	15	0.8%	2.82 [0.12, 64.39]
Quyyumi 2017	1	100	6	95	9.7%	0.16 [0.02, 1.29]
Roman 2015	0	59	1	61	2.3%	0.34 [0.01, 8.29]
Roncalli 2011	1	52	0	49	0.8%	2.83 [0.12, 67.87]
Tendera 2009	2	160	1	40	2.5%	0.50 [0.05, 5.38]
Traverse 2011	0	58	1	29	3.1%	0.17 [0.01, 4.04]
Traverse 2018	3	79	0	41	1.0%	3.67 [0.19, 69.48]
Wang 2014	1	28	2	30	3.0%	0.54 [0.05, 5.59]
Whorle J 2010	1	29	1	13	2.2%	0.45 [0.03, 6.63]
Wollert 2017	1	71	1	26	2.3%	0.37 [0.02, 5.64]
Zhang 2021	1	21	0	22	0.8%	3.14 [0.13, 72.96]
Subtotal (95% CI)		**1322**		**1035**	**93.9%**	**0.65 [0.44, 0.96]**
Total events	37		50			
Heterogeneity: Chi² = 11.70, df = 24 (P = 0.98); I² = 0%						
Test for overall effect: Z = 2.17 (P = 0.03)						
1.18.3 not mentioned						
Naseri 2018	1	51	0	26	1.0%	1.56 [0.07, 36.96]
Subtotal (95% CI)		**51**		**26**	**1.0%**	**1.56 [0.07, 36.96]**
Total events	1		0			
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.27 (P = 0.78)						
1.18.4 >1 day						
Surder 2016	4	133	0	67	1.0%	4.57 [0.25, 83.60]
Subtotal (95% CI)		**133**		**67**	**1.0%**	**4.57 [0.25, 83.60]**
Total events	4		0			
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.02 (P = 0.31)						
Total (95% CI)		**1633**		**1246**	**100.0%**	**0.73 [0.50, 1.05]**
Total events	44		51			
Heterogeneity: Chi² = 15.51, df = 29 (P = 0.98); I² = 0%						
Test for overall effect: Z = 1.70 (P = 0.09)						
Test for subgroup differences: Chi² = 2.58, df = 3 (P = 0.46), I² = 0%						



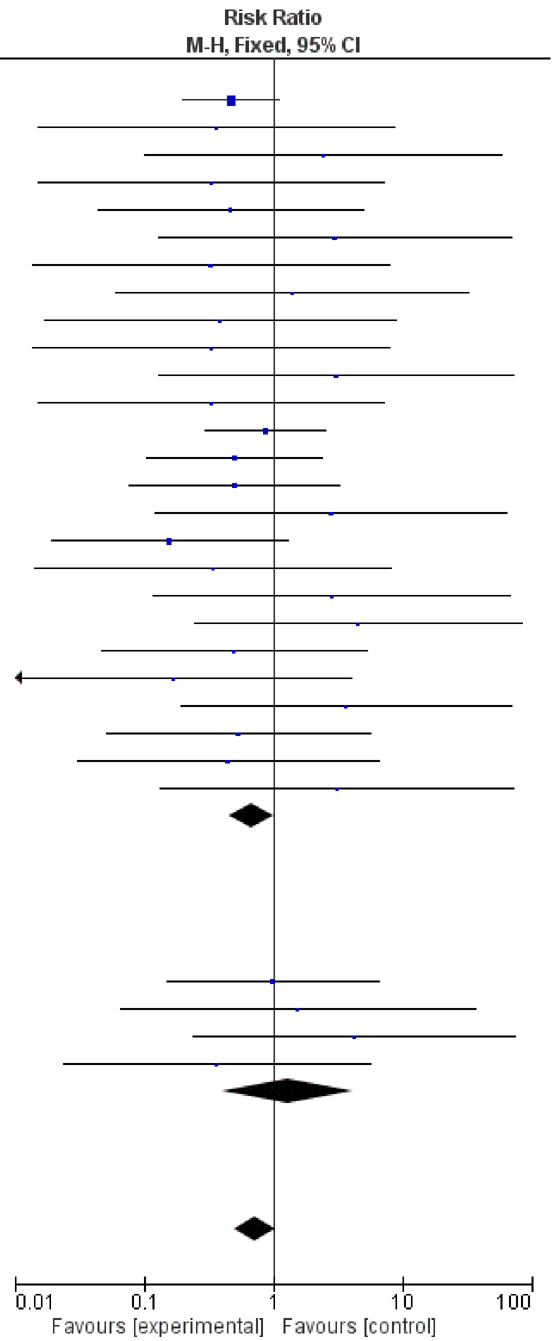
Supplementary Fig. 1E This forest plot shows subgroup analysis of all-cause mortality incidence in acute myocardial infarction patients, stratified bythe administration time.

	Intervention		Control			Risk Ratio
Study or Subgroup	**Events**	**Total**	**Events**	**Total**	**Weight**	**M-H, Fixed, 95% CI**
1.45.1 < 100						
Cao 2009	0	41	1	45	2.2%	0.37 [0.02, 8.72]
Chullikana 2015	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Gao 2013	1	21	0	21	0.8%	3.00 [0.13, 69.70]
Grajek 2010	1	31	0	14	1.1%	1.41 [0.06, 32.53]
Haddad 2020	0	17	1	20	2.2%	0.39 [0.02, 8.97]
Huikuri 2008	0	40	1	40	2.4%	0.33 [0.01, 7.95]
Janssens 2006	1	33	0	34	0.8%	3.09 [0.13, 73.20]
Laguna 2018	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Meyer GP 2009	2	30	2	30	3.1%	1.00 [0.15, 6.64]
Naseri 2018	1	51	0	26	1.0%	1.56 [0.07, 36.96]
Penicka 2007	3	17	0	10	1.0%	4.28 [0.24, 75.20]
Piepoli MF 2010	2	19	4	19	6.3%	0.50 [0.10, 2.41]
Plewka 2009	2	40	2	20	4.2%	0.50 [0.08, 3.29]
Quyyumi 2011	1	16	0	15	0.8%	2.82 [0.12, 64.39]
Traverse 2011	0	58	1	29	3.1%	0.17 [0.01, 4.04]
Wang 2014	1	28	2	30	3.0%	0.54 [0.05, 5.59]
Whorle J 2010	1	29	1	13	2.2%	0.45 [0.03, 6.63]
Zhang 2021	1	21	0	22	0.8%	3.14 [0.13, 72.96]
Subtotal (95% CI)		**512**		**408**	**39.7%**	**0.81 [0.46, 1.43]**
Total events	17		17			
Heterogeneity: Chi² = 7.55, df = 17 (P = 0.98); I² = 0%						
Test for overall effect: Z = 0.72 (P = 0.47)						
1.45.2 ≥ 100						
Assmus 2014	7	101	15	103	23.3%	0.48 [0.20, 1.12]
Chodry F 2016	1	54	0	44	0.9%	2.45 [0.10, 58.80]
Delewi 2015	1	69	2	65	3.2%	0.47 [0.04, 5.07]
Gao 2015	0	58	1	57	2.4%	0.33 [0.01, 7.88]
Mathur A 2020	6	185	7	190	10.9%	0.88 [0.30, 2.57]
Quyyumi 2017	1	100	6	95	9.7%	0.16 [0.02, 1.29]
Roman 2015	0	59	1	61	2.3%	0.34 [0.01, 8.29]
Roncalli 2011	1	52	0	49	0.8%	2.83 [0.12, 67.87]
Surder 2016	4	133	0	67	1.0%	4.57 [0.25, 83.60]
Tendera 2009	2	160	1	40	2.5%	0.50 [0.05, 5.38]
Traverse 2018	3	79	0	41	1.0%	3.67 [0.19, 69.48]
Wollert 2017	1	71	1	26	2.3%	0.37 [0.02, 5.64]
Subtotal (95% CI)		**1121**		**838**	**60.3%**	**0.67 [0.41, 1.09]**
Total events	27		34			
Heterogeneity: Chi² = 7.76, df = 11 (P = 0.73); I² = 0%						
Test for overall effect: Z = 1.61 (P = 0.11)						
Total (95% CI)		**1633**		**1246**	**100.0%**	**0.73 [0.50, 1.05]**
Total events	44		51			
Heterogeneity: Chi² = 15.51, df = 29 (P = 0.98); I² = 0%						
Test for overall effect: Z = 1.70 (P = 0.09)						
Test for subgroup differences: Chi² = 0.27, df = 1 (P = 0.61), I² = 0%						



Supplementary Fig. 1F. This forest plot shows subgroup analysis of all-cause mortality incidence in acute myocardial infarction patients, based on sample size.

Study or Subgroup	Intervention Events	Intervention Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
1.53.1 < 500 million						
Assmus 2014	7	101	15	103	23.3%	0.48 [0.20, 1.12]
Cao 2009	0	41	1	45	2.2%	0.37 [0.02, 8.72]
Chodry F 2016	1	54	0	44	0.9%	2.45 [0.10, 58.80]
Chullikana 2015	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Delewi 2015	1	69	2	65	3.2%	0.47 [0.04, 5.07]
Gao 2013	1	21	0	21	0.8%	3.00 [0.13, 69.70]
Gao 2015	0	58	1	57	2.4%	0.33 [0.01, 7.88]
Grajek 2010	1	31	0	14	1.1%	1.41 [0.06, 32.53]
Haddad 2020	0	17	1	20	2.2%	0.39 [0.02, 8.97]
Huikuri 2008	0	40	1	40	2.4%	0.33 [0.01, 7.95]
Janssens 2006	1	33	0	34	0.8%	3.09 [0.13, 73.20]
Laguna 2018	0	10	1	10	2.4%	0.33 [0.02, 7.32]
Mathur A 2020	6	185	7	190	10.9%	0.88 [0.30, 2.57]
Piepoli MF 2010	2	19	4	19	6.3%	0.50 [0.10, 2.41]
Plewka 2009	2	40	2	20	4.2%	0.50 [0.08, 3.29]
Quyyumi 2011	1	16	0	15	0.8%	2.82 [0.12, 64.39]
Quyyumi 2017	1	100	6	95	9.7%	0.16 [0.02, 1.29]
Roman 2015	0	59	1	61	2.3%	0.34 [0.01, 8.29]
Roncalli 2011	1	52	0	49	0.8%	2.83 [0.12, 67.87]
Surder 2016	4	133	0	67	1.0%	4.57 [0.25, 83.60]
Tendera 2009	2	160	1	40	2.5%	0.50 [0.05, 5.38]
Traverse 2011	0	58	1	29	3.1%	0.17 [0.01, 4.04]
Traverse 2018	3	79	0	41	1.0%	3.67 [0.19, 69.48]
Wang 2014	1	28	2	30	3.0%	0.54 [0.05, 5.59]
Whorle J 2010	1	29	1	13	2.2%	0.45 [0.03, 6.63]
Zhang 2021	1	21	0	22	0.8%	3.14 [0.13, 72.96]
Subtotal (95% CI)		**1464**		**1154**	**92.5%**	**0.68 [0.46, 1.00]**
Total events	37		48			
Heterogeneity: Chi² = 13.23, df = 25 (P = 0.97); I² = 0%						
Test for overall effect: Z = 1.94 (P = 0.05)						
1.53.2 > 500 million						
Meyer GP 2009	2	30	2	30	3.1%	1.00 [0.15, 6.64]
Naseri 2018	1	51	0	26	1.0%	1.56 [0.07, 36.96]
Penicka 2007	3	17	0	10	1.0%	4.28 [0.24, 75.20]
Wollert 2017	1	71	1	26	2.3%	0.37 [0.02, 5.64]
Subtotal (95% CI)		**169**		**92**	**7.5%**	**1.31 [0.41, 4.23]**
Total events	7		3			
Heterogeneity: Chi² = 1.58, df = 3 (P = 0.66); I² = 0%						
Test for overall effect: Z = 0.45 (P = 0.65)						
Total (95% CI)		**1633**		**1246**	**100.0%**	**0.73 [0.50, 1.05]**
Total events	44		51			
Heterogeneity: Chi² = 15.51, df = 29 (P = 0.98); I² = 0%						
Test for overall effect: Z = 1.70 (P = 0.09)						
Test for subgroup differences: Chi² = 1.09, df = 1 (P = 0.30), I² = 8.1%						



Supplementary Fig. 1G. This forest plot shows subgroup analysis of all-cause mortality incidence in acute myocardial infarction patients, based on dose administered.