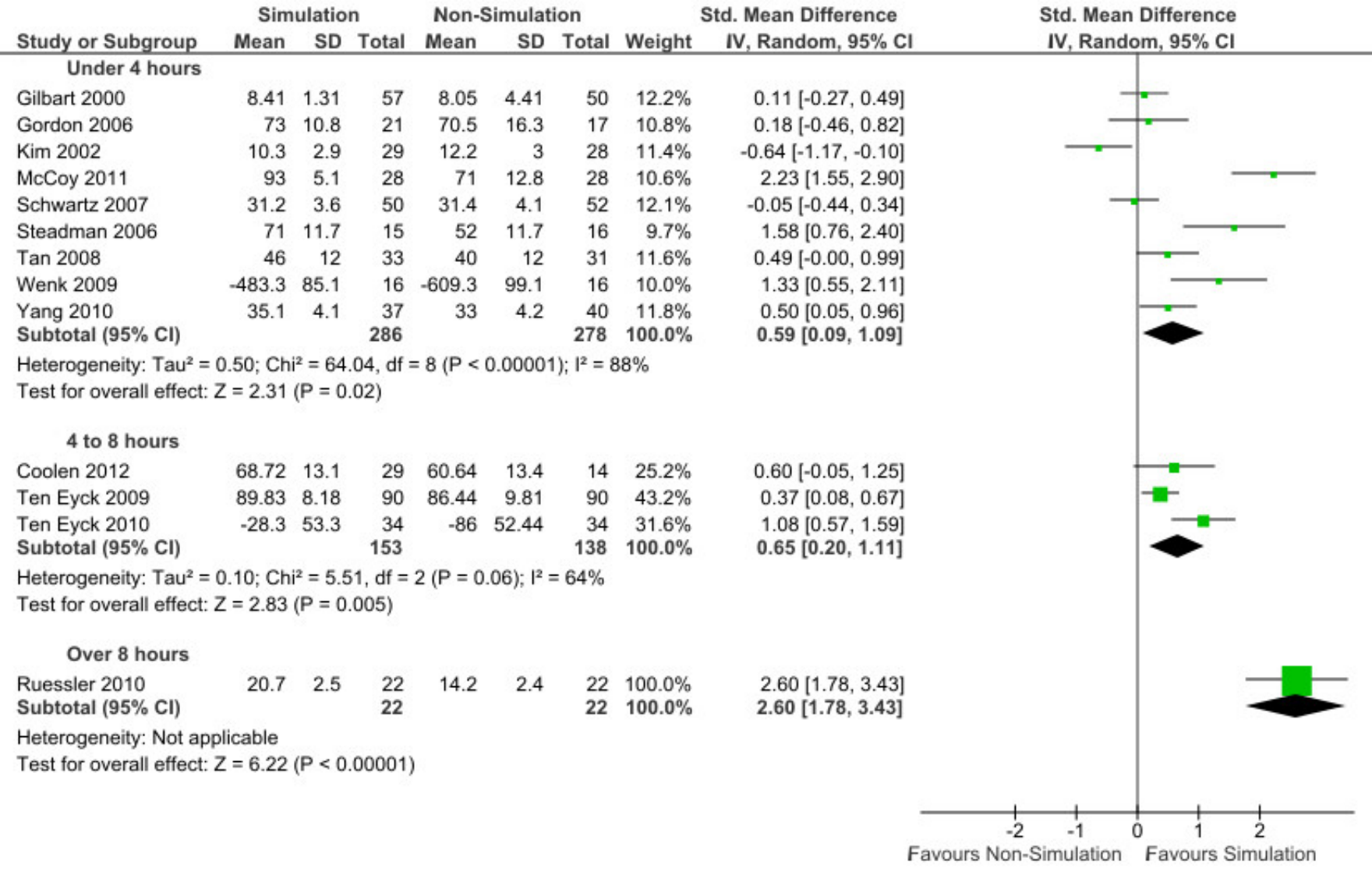
Simulation
Non-Simulation
Std. Mean Difference
Std. Mean Difference
Study or Subgroup Mean SD Total Mean SD Total Weight IV, Random, 95% CI
IV, Random, 95% CI
Under 4 hours
Gilbart 2000 8.41 1.31 57 8.05 4.41 50 12.2% 0.11 [-0.27, 0.49]
Gordon 2006 73 10.8 21 70.5 16.3 17 10.8% 0.18 [-0.46, 0.82]
Kim 2002 10.3 2.9 29 12.2 3 28 11.4% -0.64 [-1.17, -0.10]
McCoy 2011 93 5.1 28 71 12.8 28 10.6% 2.23 [1.55, 2.90]
Schwartz 2007 31.2 3.6 50 31.4 4.1 52 12.1% -0.05 [-0.44, 0.34]
Steadman 2006 71 11.7 15 52 11.7 16 9.7% 1.58 [0.76, 2.40]
Tan 2008 46 12 33 40 12 31 11.6% 0.49 [-0.00, 0.99]
Wenk 2009 -483.3 85.1 16 -609.3 99.1 16 10.0% 1.33 [0.55, 2.11]
Yang 2010 35.1 4.1 37 33 4.2 40 11.8% 0.50 [0.05, 0.96]
Subtotal (95% CI) 286 278 100.0% 0.59 [0.09, 1.09]
Heterogeneity: Tau² = 0.50; Chi² = 64.04, df = 8 (P < 0.00001); I² = 88%
Test for overall effect: Z = 2.31 (P = 0.02)
4 to 8 hours
Coolen 2012 68.72 13.1 29 60.64 13.4 14 25.2% 0.60 [-0.05, 1.25]
Ten Eyck 2009 89.83 8.18 90 86.44 9.81 90 43.2% 0.37 [0.08, 0.67]
Ten Eyck 2010 -28.3 53.3 34 -86 52.44 34 31.6% 1.08 [0.57, 1.59]
Subtotal (95% CI) 153 138 100.0% 0.65 [0.20, 1.11]
Heterogeneity: Tau² = 0.10; Chi² = 5.51, df = 2 (P = 0.06); I² = 64%
Test for overall effect: Z = 2.83 (P = 0.005)
Over 8 hours
Ruessler 2010 20.7 2.5 22 14.2 2.4 22 100.0% 2.60 [1.78, 3.43]
Subtotal (95% CI) 22 22 100.0% 2.60 [1.78, 3.43]
Heterogeneity: Not applicable
Test for overall effect: Z = 6.22 (P < 0.00001)
-2
-1
0
1
2
Favours Non-Simulation
Favours Simulation