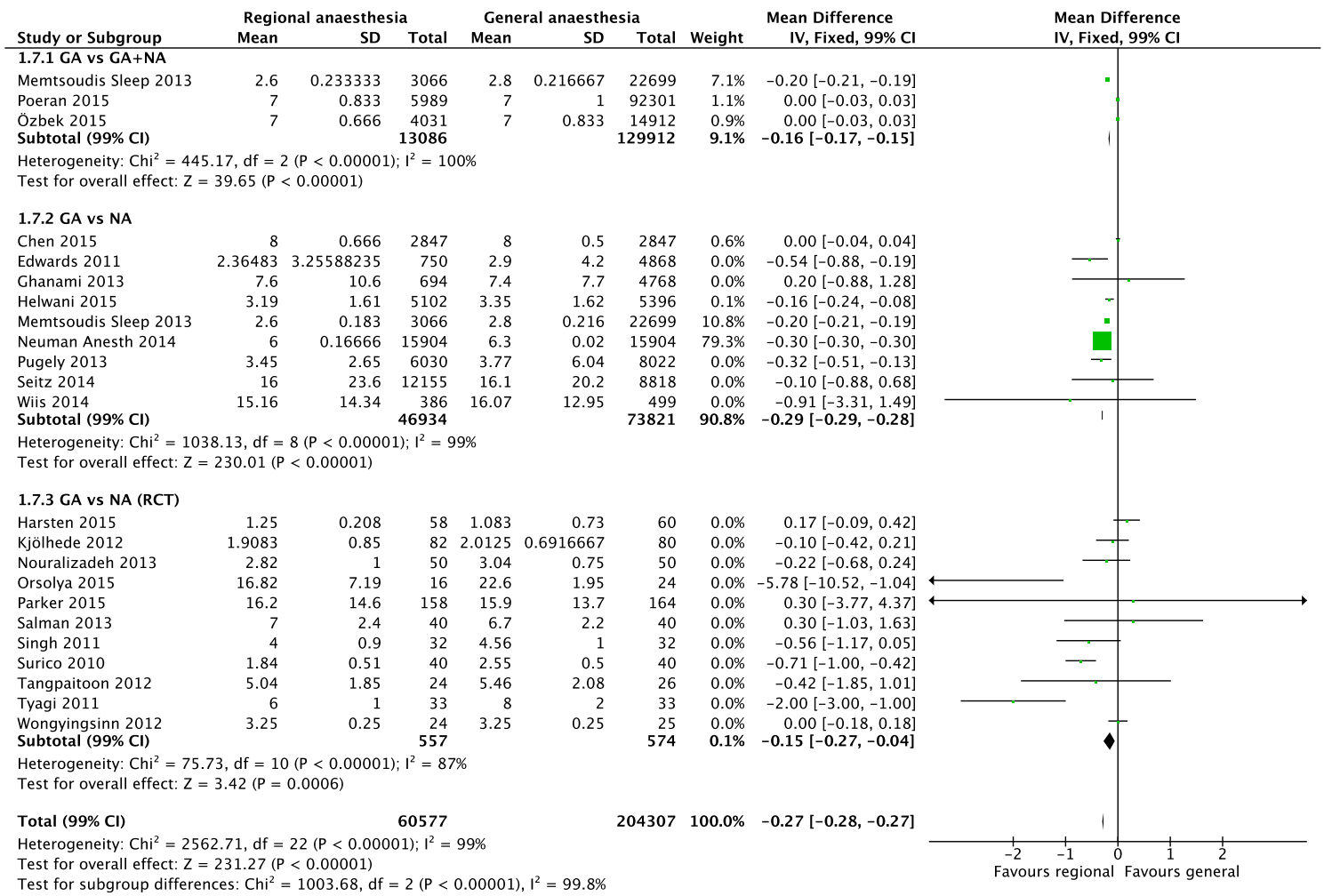
Regional anaesthesia
General anaesthesia
Mean Difference
Mean Difference
Study or Subgroup
Mean
SD
Total
Mean
SD
Total
Weight
IV, Fixed, 99% CI
IV, Fixed, 99% CI
1.7.1 GA vs GA+NA
Memtsoudis Sleep 2013 2.6 0.233333 3066 2.8 0.216667 22699 7.1% -0.20 [-0.21, -0.19]
Poeran 2015 7 0.833 5989 7 1 92301 1.1% 0.00 [-0.03, 0.03]
Özbek 2015 7 0.666 4031 7 0.833 14912 0.9% 0.00 [-0.03, 0.03]
Subtotal (99% CI) 13086 129912 9.1% -0.16 [-0.17, -0.15]
Heterogeneity: Chi² = 445.17, df = 2 (P < 0.00001); I² = 100%
Test for overall effect: Z = 39.65 (P < 0.00001)
1.7.2 GA vs NA
Chen 2015 8 0.666 2847 8 0.5 2847 0.6% 0.00 [-0.04, 0.04]
Edwards 2011 2.36483 3.25588235 750 2.9 4.2 4868 0.0% -0.54 [-0.88, -0.19]
Ghanami 2013 7.6 10.6 694 7.4 7.7 4768 0.0% 0.20 [-0.88, 1.28]
Helwani 2015 3.19 1.61 5102 3.35 1.62 5396 0.1% -0.16 [-0.24, -0.08]
Memtsoudis Sleep 2013 2.6 0.183 3066 2.8 0.216 22699 10.8% -0.20 [-0.21, -0.19]
Neuman Anesth 2014 6 0.16666 15904 6.3 0.02 15904 79.3% -0.30 [-0.30, -0.30]
Pugely 2013 3.45 2.65 6030 3.77 6.04 8022 0.0% -0.32 [-0.51, -0.13]
Seitz 2014 16 23.6 12155 16.1 20.2 8818 0.0% -0.10 [-0.88, 0.68]
Wiis 2014 15.16 14.34 386 16.07 12.95 499 0.0% -0.91 [-3.31, 1.49]
Subtotal (99% CI) 46934 73821 90.8% -0.29 [-0.29, -0.28]
Heterogeneity: Chi² = 1038.13, df = 8 (P < 0.00001); I² = 99%
Test for overall effect: Z = 230.01 (P < 0.00001)
1.7.3 GA vs NA (RCT)
Harsten 2015 1.25 0.208 58 1.083 0.73 60 0.0% 0.17 [-0.09, 0.42]
Kjölhede 2012 1.9083 0.85 82 2.0125 0.6916667 80 0.0% -0.10 [-0.42, 0.21]
Nouralizadeh 2013 2.82 1 50 3.04 0.75 50 0.0% -0.22 [-0.68, 0.24]
Orsolya 2015 16.82 7.19 16 22.6 1.95 24 0.0% -5.78 [-10.52, -1.04]
Parker 2015 16.2 14.6 158 15.9 13.7 164 0.0% 0.30 [-3.77, 4.37]
Salman 2013 7 2.4 40 6.7 2.2 40 0.0% 0.30 [-1.03, 1.63]
Singh 2011 4 0.9 32 4.56 1 32 0.0% -0.56 [-1.17, 0.05]
Surico 2010 1.84 0.51 40 2.55 0.5 40 0.0% -0.71 [-1.00, -0.42]
Tangpaitoon 2012 5.04 1.85 24 5.46 2.08 26 0.0% -0.42 [-1.85, 1.01]
Tyagi 2011 6 1 33 8 2 33 0.0% -2.00 [-3.00, -1.00]
Wongyingsinn 2012 3.25 0.25 24 3.25 0.25 25 0.0% 0.00 [-0.18, 0.18]
Subtotal (99% CI) 557 574 0.1% -0.15 [-0.27, -0.04]
Heterogeneity: Chi² = 75.73, df = 10 (P < 0.00001); I² = 87%
Test for overall effect: Z = 3.42 (P = 0.0006)
Total (99% CI) 60577 204307 100.0% -0.27 [-0.28, -0.27]
Heterogeneity: Chi² = 2562.71, df = 22 (P < 0.00001); I² = 99%
Test for overall effect: Z = 231.27 (P < 0.00001)
Test for subgroup differences: Chi² = 1003.68, df = 2 (P < 0.00001), I² = 99.8%
-2
-1
0
1
2
Favours regional
Favours general