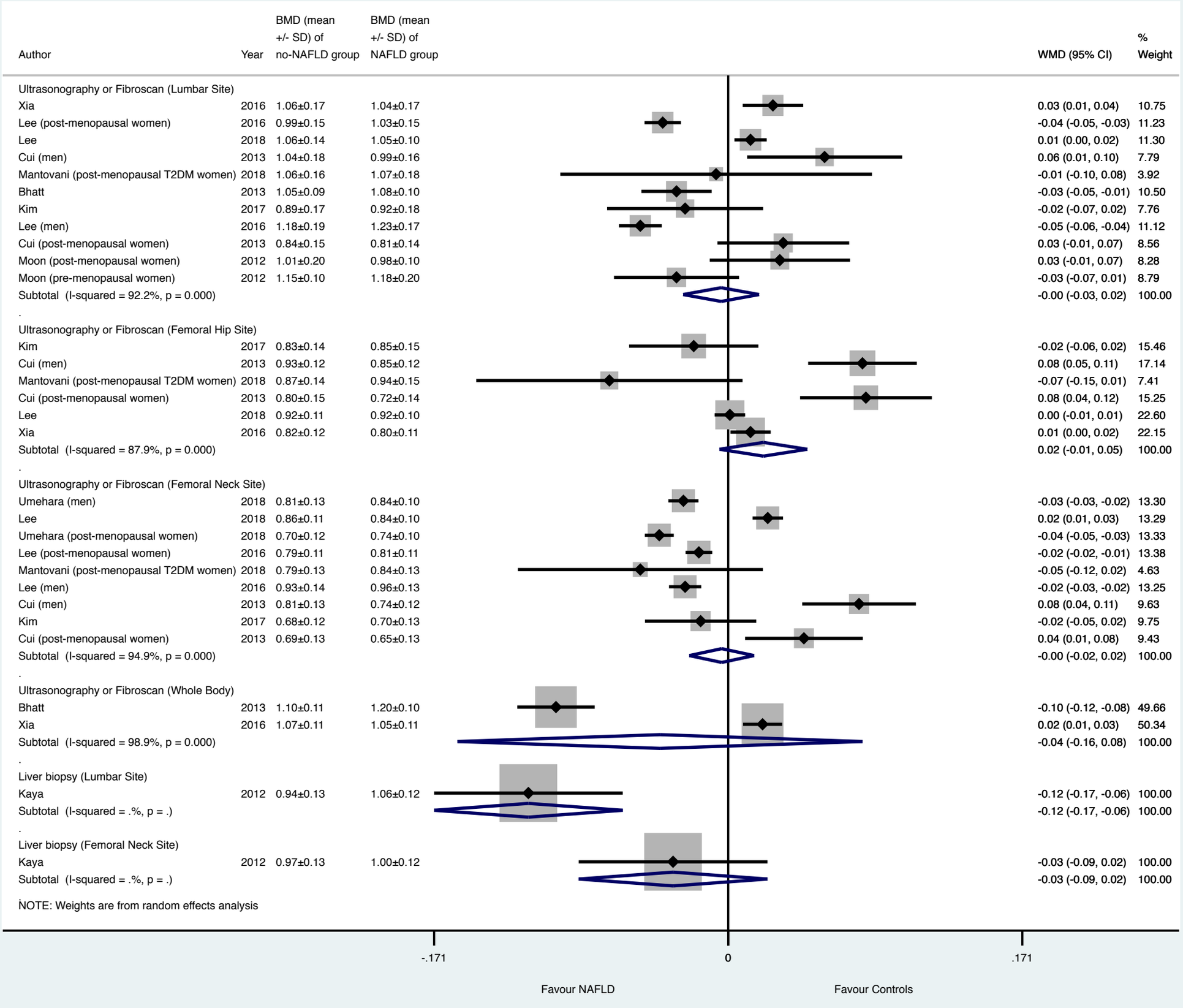
Author
Year
BMD (mean +/- SD) of no-NAFLD group
BMD (mean +/- SD) of NAFLD group
WMD (95% CI)
% Weight
Ultrasonography or Fibroscan (Lumbar Site)
Xia 2016 1.06±0.17 1.04±0.17 0.03 (0.01, 0.04) 10.75
Lee (post-menopausal women) 2016 0.99±0.15 1.03±0.15 -0.04 (-0.05, -0.03) 11.23
Lee 2018 1.06±0.14 1.05±0.10 0.01 (0.00, 0.02) 11.30
Cui (men) 2013 1.04±0.18 0.99±0.16 0.06 (0.01, 0.10) 7.79
Mantovani (post-menopausal T2DM women) 2018 1.06±0.16 1.07±0.18 -0.01 (-0.10, 0.08) 3.92
Bhatt 2013 1.05±0.09 1.08±0.10 -0.03 (-0.05, -0.01) 10.50
Kim 2017 0.89±0.17 0.92±0.18 -0.02 (-0.07, 0.02) 7.76
Lee (men) 2016 1.18±0.19 1.23±0.17 -0.05 (-0.06, -0.04) 11.12
Cui (post-menopausal women) 2013 0.84±0.15 0.81±0.14 0.03 (-0.01, 0.07) 8.56
Moon (post-menopausal women) 2012 1.01±0.20 0.98±0.10 0.03 (-0.01, 0.07) 8.28
Moon (pre-menopausal women) 2012 1.15±0.10 1.18±0.20 -0.03 (-0.07, 0.01) 8.79
Subtotal (I-squared = 92.2%, p = 0.000) -0.00 (-0.03, 0.02) 100.00
Ultrasonography or Fibroscan (Femoral Hip Site)
Kim 2017 0.83±0.14 0.85±0.15 -0.02 (-0.06, 0.02) 15.46
Cui (men) 2013 0.93±0.12 0.85±0.12 0.08 (0.05, 0.11) 17.14
Mantovani (post-menopausal T2DM women) 2018 0.87±0.14 0.94±0.15 -0.07 (-0.15, 0.01) 7.41
Cui (post-menopausal women) 2013 0.80±0.15 0.72±0.14 0.08 (0.04, 0.12) 15.25
Lee 2018 0.92±0.11 0.92±0.10 0.00 (-0.01, 0.01) 22.60
Xia 2016 0.82±0.12 0.80±0.11 0.01 (0.00, 0.02) 22.15
Subtotal (I-squared = 87.9%, p = 0.000) 0.02 (-0.01, 0.05) 100.00
Ultrasonography or Fibroscan (Femoral Neck Site)
Umehara (men) 2018 0.81±0.13 0.84±0.10 -0.03 (-0.03, -0.02) 13.30
Lee 2018 0.86±0.11 0.84±0.10 0.02 (0.01, 0.03) 13.29
Umehara (post-menopausal women) 2018 0.70±0.12 0.74±0.10 -0.04 (-0.05, -0.03) 13.33
Lee (post-menopausal women) 2016 0.79±0.11 0.81±0.11 -0.02 (-0.02, -0.01) 13.38
Mantovani (post-menopausal T2DM women) 2018 0.79±0.13 0.84±0.13 -0.05 (-0.12, 0.02) 4.63
Lee (men) 2016 0.93±0.14 0.96±0.13 -0.02 (-0.03, -0.02) 13.25
Cui (men) 2013 0.81±0.13 0.74±0.12 0.08 (0.04, 0.11) 9.63
Kim 2017 0.68±0.12 0.70±0.13 -0.02 (-0.05, 0.02) 9.75
Cui (post-menopausal women) 2013 0.69±0.13 0.65±0.13 0.04 (0.01, 0.08) 9.43
Subtotal (I-squared = 94.9%, p = 0.000) -0.00 (-0.02, 0.02) 100.00
Ultrasonography or Fibroscan (Whole Body)
Bhatt 2013 1.10±0.11 1.20±0.10 -0.10 (-0.12, -0.08) 49.66
Xia 2016 1.07±0.11 1.05±0.11 0.02 (0.01, 0.03) 50.34
Subtotal (I-squared = 98.9%, p = 0.000) -0.04 (-0.16, 0.08) 100.00
Liver biopsy (Lumbar Site)
Kaya 2012 0.94±0.13 1.06±0.12 -0.12 (-0.17, -0.06) 100.00
Subtotal (I-squared = .%, p = .) -0.12 (-0.17, -0.06) 100.00
Liver biopsy (Femoral Neck Site)
Kaya 2012 0.97±0.13 1.00±0.12 -0.03 (-0.09, 0.02) 100.00
Subtotal (I-squared = .%, p = .) -0.03 (-0.09, 0.02) 100.00
NOTE: Weights are from random effects analysis
-.171
0
.171
Favour NAFLD
Favour Controls