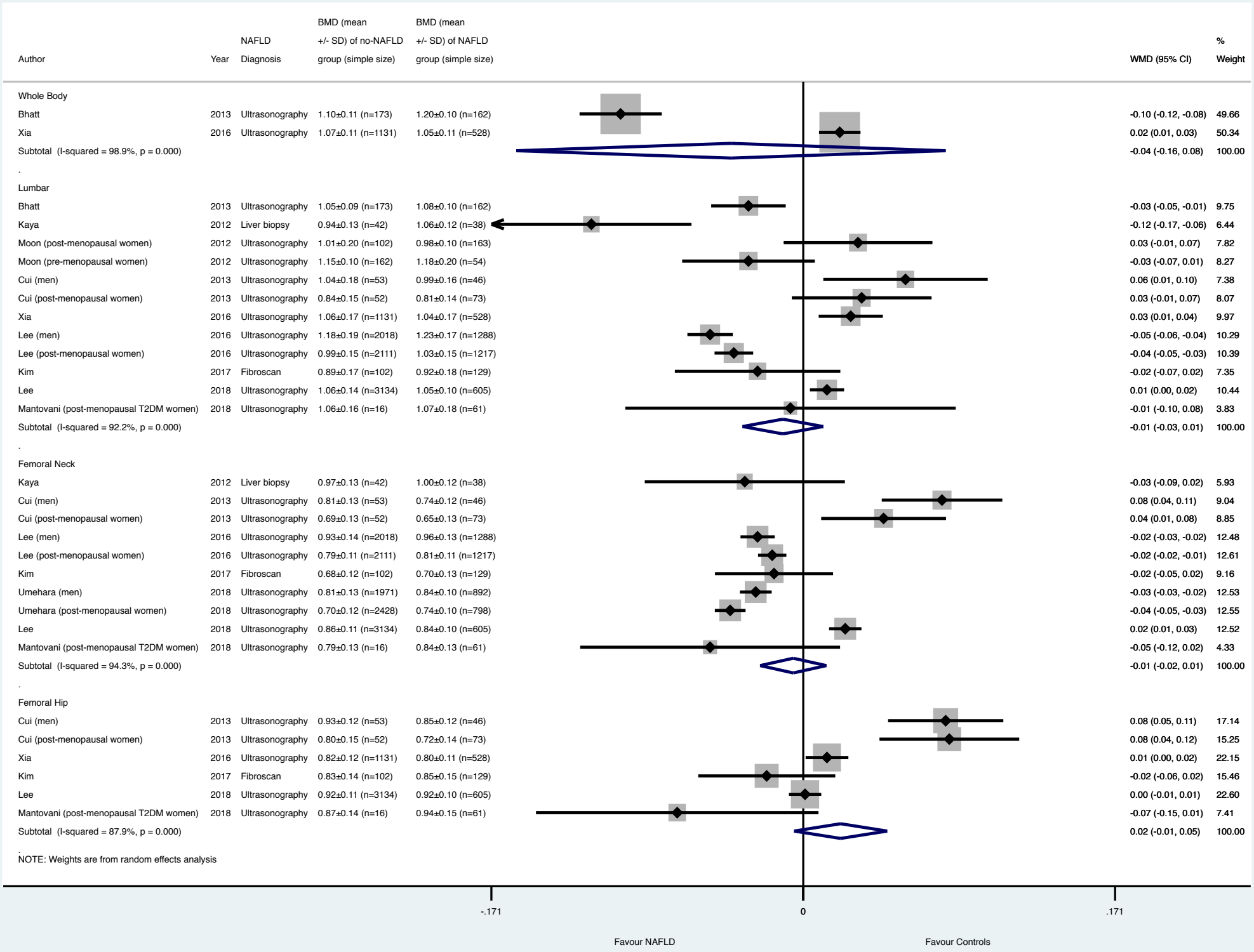
Author
Year
NAFLD Diagnosis
BMD (mean +/- SD) of no-NAFLD group (simple size)
BMD (mean +/- SD) of NAFLD group (simple size)
WMD (95% CI)
% Weight
Whole Body
Bhatt 2013 Ultrasonography 1.10±0.11 (n=173) 1.20±0.10 (n=162) -0.10 (-0.12, -0.08) 49.66
Xia 2016 Ultrasonography 1.07±0.11 (n=1131) 1.05±0.11 (n=528) 0.02 (0.01, 0.03) 50.34
Subtotal (I-squared = 98.9%, p = 0.000) -0.04 (-0.16, 0.08) 100.00
Lumbar
Bhatt 2013 Ultrasonography 1.05±0.09 (n=173) 1.08±0.10 (n=162) -0.03 (-0.05, -0.01) 9.75
Kaya 2012 Liver biopsy 0.94±0.13 (n=42) 1.06±0.12 (n=38) -0.12 (-0.17, -0.06) 6.44
Moon (post-menopausal women) 2012 Ultrasonography 1.01±0.20 (n=102) 0.98±0.10 (n=163) 0.03 (-0.01, 0.07) 7.82
Moon (pre-menopausal women) 2012 Ultrasonography 1.15±0.10 (n=162) 1.18±0.20 (n=54) -0.03 (-0.07, 0.01) 8.27
Cui (men) 2013 Ultrasonography 1.04±0.18 (n=53) 0.99±0.16 (n=46) 0.06 (0.01, 0.10) 7.38
Cui (post-menopausal women) 2013 Ultrasonography 0.84±0.15 (n=52) 0.81±0.14 (n=73) 0.03 (-0.01, 0.07) 8.07
Xia 2016 Ultrasonography 1.06±0.17 (n=1131) 1.04±0.17 (n=528) 0.03 (0.01, 0.04) 9.97
Lee (men) 2016 Ultrasonography 1.18±0.19 (n=2018) 1.23±0.17 (n=1288) -0.05 (-0.06, -0.04) 10.29
Lee (post-menopausal women) 2016 Ultrasonography 0.99±0.15 (n=2111) 1.03±0.15 (n=1217) -0.04 (-0.05, -0.03) 10.39
Kim 2017 Fibroscan 0.89±0.17 (n=102) 0.92±0.18 (n=129) -0.02 (-0.07, 0.02) 7.35
Lee 2018 Ultrasonography 1.06±0.14 (n=3134) 1.05±0.10 (n=605) 0.01 (0.00, 0.02) 10.44
Mantovani (post-menopausal T2DM women) 2018 Ultrasonography 1.06±0.16 (n=16) 1.07±0.18 (n=61) -0.01 (-0.10, 0.08) 3.83
Subtotal (I-squared = 92.2%, p = 0.000) -0.01 (-0.03, 0.01) 100.00
Femoral Neck
Kaya 2012 Liver biopsy 0.97±0.13 (n=42) 1.00±0.12 (n=38) -0.03 (-0.09, 0.02) 5.93
Cui (men) 2013 Ultrasonography 0.81±0.13 (n=53) 0.74±0.12 (n=46) 0.08 (0.04, 0.11) 9.04
Cui (post-menopausal women) 2013 Ultrasonography 0.69±0.13 (n=52) 0.65±0.13 (n=73) 0.04 (0.01, 0.08) 8.85
Lee (men) 2016 Ultrasonography 0.93±0.14 (n=2018) 0.96±0.13 (n=1288) -0.02 (-0.03, -0.02) 12.48
Lee (post-menopausal women) 2016 Ultrasonography 0.79±0.11 (n=2111) 0.81±0.11 (n=1217) -0.02 (-0.02, -0.01) 12.61
Kim 2017 Fibroscan 0.68±0.12 (n=102) 0.70±0.13 (n=129) -0.02 (-0.05, 0.02) 9.16
Umehara (men) 2018 Ultrasonography 0.81±0.13 (n=1971) 0.84±0.10 (n=892) -0.03 (-0.03, -0.02) 12.53
Umehara (post-menopausal women) 2018 Ultrasonography 0.70±0.12 (n=2428) 0.74±0.10 (n=798) -0.04 (-0.05, -0.03) 12.55
Lee 2018 Ultrasonography 0.86±0.11 (n=3134) 0.84±0.10 (n=605) 0.02 (0.01, 0.03) 12.52
Mantovani (post-menopausal T2DM women) 2018 Ultrasonography 0.79±0.13 (n=16) 0.84±0.13 (n=61) -0.05 (-0.12, 0.02) 4.33
Subtotal (I-squared = 94.3%, p = 0.000) -0.01 (-0.02, 0.01) 100.00
Femoral Hip
Cui (men) 2013 Ultrasonography 0.93±0.12 (n=53) 0.85±0.12 (n=46) 0.08 (0.05, 0.11) 17.14
Cui (post-menopausal women) 2013 Ultrasonography 0.80±0.15 (n=52) 0.72±0.14 (n=73) 0.08 (0.04, 0.12) 15.25
Xia 2016 Ultrasonography 0.82±0.12 (n=1131) 0.80±0.11 (n=528) 0.01 (0.00, 0.02) 22.15
Kim 2017 Fibroscan 0.83±0.14 (n=102) 0.85±0.15 (n=129) -0.02 (-0.06, 0.02) 15.46
Lee 2018 Ultrasonography 0.92±0.11 (n=3134) 0.92±0.10 (n=605) 0.00 (-0.01, 0.01) 22.60
Mantovani (post-menopausal T2DM women) 2018 Ultrasonography 0.87±0.14 (n=16) 0.94±0.15 (n=61) -0.07 (-0.15, 0.01) 7.41
Subtotal (I-squared = 87.9%, p = 0.000) 0.02 (-0.01, 0.05) 100.00
NOTE: Weights are from random effects analysis
-.171
0
.171
Favour NAFLD
Favour Controls