	Mean (SD) / Patients	Mean (SD) / Patients	MD (95% CI)
DHS vs CS			
Mjorud et al. 2006	40.0 (22.0) / 58	40.0 (19.0) / 40	0.00 (−8.17 ; 8.17)
HA vs CS			
Frihagen et al. 2007	76.0 (19.0) / 110	26.0 (20.2) / 112	50.00 (44.84 ; 55.16)
Parker et al. 2002	46.4 (1.8) / 229	24.2 (9.2) / 226	22.20 (20.98 ; 23.42)
Roden et al. 2003	58.0 (20.3) / 47	18.0 (15.8) / 53	40.00 (32.79 ; 47.21)
Fixed effects model	**56.2 (18.0) / 386**	**23.9 (14.3) / 391**	**24.11 (22.94 ; 25.28)**
Random effects model	**56.2 (18.0) / 386**	**23.9 (14.3) / 391**	**37.27 (17.47 ; 57.08)**
Heterogeneity: I^2 = 98 %, t^2 = 299.5 , X^2 (2) = 124.85 , p < 0.001			
THA vs CS			
Tidermark et al. 2002	102.0 (28.8) / 49	20.0 (15.8) / 53	82.00 (72.89 ; 91.11)
HA vs DHS			
van Vugt et al. 1993	80.2 (19.0) / 22	65.5 (14.0) / 21	14.70 (4.76 ; 24.64)
THA vs HA			
Avery et al. 2011	93.0 (28.8) / 40	78.0 (20.3) / 41	15.00 (4.12 ; 25.88)
Blomfeldt et al. 2007	102.0 (28.8) / 60	78.0 (20.3) / 60	24.00 (15.08 ; 32.92)
Cadossi et al. 2013	75.4 (28.8) / 47	81.0 (20.3) / 49	−5.60 (−15.61 ; 4.41)
Chammout et al. 2019	99.0 (25.0) / 60	77.0 (19.0) / 60	22.00 (14.05 ; 29.95)
Iorio et al. 2019	59.0 (28.8) / 30	48.0 (20.3) / 30	11.00 (−1.61 ; 23.61)
Macaulay et al. 2007	89.1 (35.8) / 17	82.0 (35.1) / 23	7.10 (−15.16 ; 29.36)
Parker et al. 2019	83.9 (28.8) / 52	52.0 (20.3) / 53	31.90 (22.35 ; 41.45)
Schleicher et al. 2003	84.0 (28.8) / 54	72.0 (20.3) / 52	12.00 (2.54 ; 21.46)
Sharma et al. 2016	45.0 (28.8) / 40	35.0 (20.3) / 40	10.00 (−0.92 ; 20.92)
Sonaje et al. 2018	119.1 (16.8) / 21	51.8 (8.7) / 21	67.30 (59.23 ; 75.37)
Ukaj et al. 2019	63.7 (5.3) / 47	57.8 (5.0) / 49	5.95 (3.90 ; 8.00)
Fixed effects model	**82.9 (32.4) / 468**	**66.1 (24.6) / 478**	**11.27 (9.56 ; 12.99)**
Random effects model	**82.9 (32.4) / 468**	**66.1 (24.6) / 478**	**18.53 (6.57 ; 30.50)**
Heterogeneity: I^2 = 96 %, t^2 = 379.0 , X^2 (10) = 255.24 , p < 0.001			
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Fixed effects model			
CS	24.8 (15.6) / 484		−37.61 (−39.64 ; −35.59)
DHS	46.8 (23.1) / 79		−33.56 (−40.13 ; −26.99)
HA	62.2 (22.5) / 886		−12.85 (−14.54 ; −11.16)
THA	84.7 (32.5) / 517		0.00 (Reference)
Random effects model			
CS	24.8 (15.6) / 484		−60.61 (−80.98 ; −40.24)
DHS	46.8 (23.1) / 79		−48.05 (−79.02 ; −17.08)
HA	62.2 (22.5) / 886		−20.52 (−32.06 ; −8.98)
THA	84.7 (32.5) / 517		0.00 (Reference)
Heterogeneity: I^2 = 97 %, t^2 = 378.5 , X^2 (12) = 380.09 , p < 0.001			
Consistency: X^2 (2) = 97.89 , p < 0.001