S3a – Techniques of exercise in microcirculation

Peltonen (2012)   0.71 [−0.16, 1.59]
Pichler (2004)   −0.69 [−1.13, −0.25]
Rissanen (2015)   0.41 [−0.61, 1.42]
Tagougui (2014) A1c<7.0   −0.27 [−1.10, 0.57]
Tagougui (2014) A1c>8.0   −0.82 [−1.62, −0.02]

RE Model   −0.20 [−0.78, 0.37]
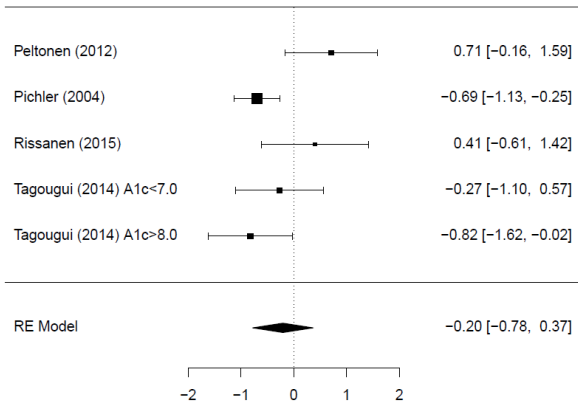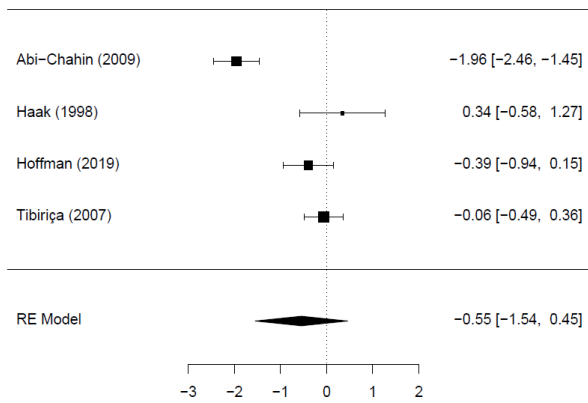
NIRS – $Z = -0.69$, $p = 0.49$, $I^2 = 65\%$, $p_{het} = 0.02$

Trussardi–Fayh (2013)   −0.68 [−1.27, −0.09]
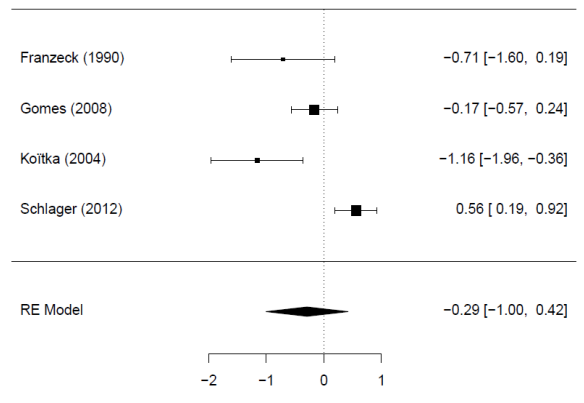Waclawovsky (2015)   0.43 [−0.58, 1.44]

RE Model   −0.21 [−1.28, 0.87]
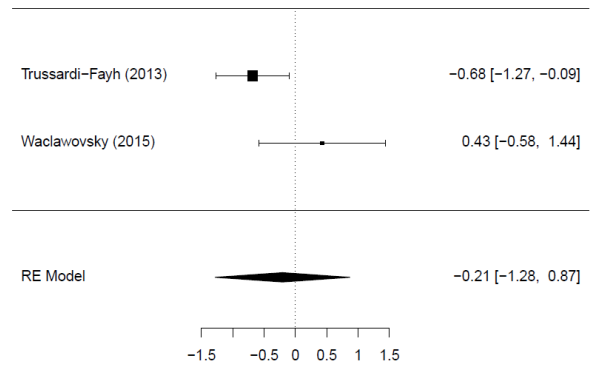
Plethysmography – $Z = -0.37$, $p = 0.71$, $I^2 = 71\%$, $p_{het} = 0.06$

S3b – Techniques of PORH in microcirculation

Abi–Chahin (2009)   −1.96 [−2.46, −1.45]
Haak (1998)   0.34 [−0.58, 1.27]
Hoffman (2019)   −0.39 [−0.94, 0.15]
Tibiriça (2007)   −0.06 [−0.49, 0.36]

RE Model   −0.55 [−1.54, 0.45]

Capillaroscopy – $Z = -1.07$, $p = 0.28$, $I^2 = 92\%$, $p_{het} < 0.001$

Franzeck (1990)   −0.71 [−1.60, 0.19]
Gomes (2008)   −0.17 [−0.57, 0.24]
Koïtka (2004)   −1.16 [−1.96, −0.36]
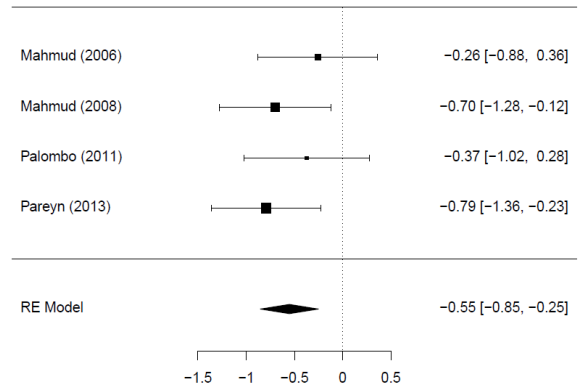Schlager (2012)   0.56 [0.19, 0.92]

RE Model   −0.29 [−1.00, 0.42]

Laser Doppler – $Z = -0.81$, $p = 0.42$, $I^2 = 85\%$, $p_{het} < 0.001$

Heier (2018)   −0.36 [−0.81, 0.08]
Johnstone (1993)   0.05 [−0.65, 0.74]
Allen (2001)   0.17 [−0.55, 0.88]

RE Model   −0.15 [−0.49, 0.18]
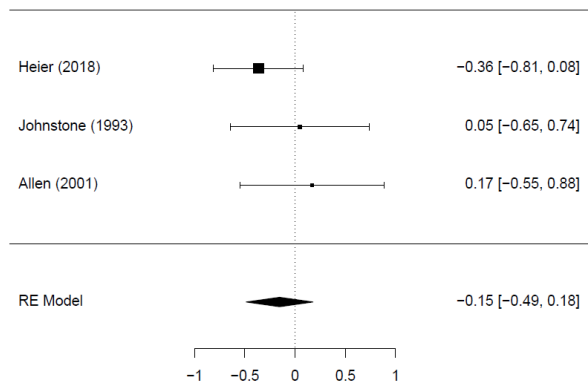
Plethysmography – $Z = -0.91$, $p = 0.36$, $I^2 = 0\%$, $p_{het} = 0.38$

Mahmud (2006)   −0.26 [−0.88, 0.36]
Mahmud (2008)   −0.70 [−1.28, −0.12]
Palombo (2011)   −0.37 [−1.02, 0.28]
Pareyn (2013)   −0.79 [−1.36, −0.23]

RE Model   −0.55 [−0.85, −0.25]
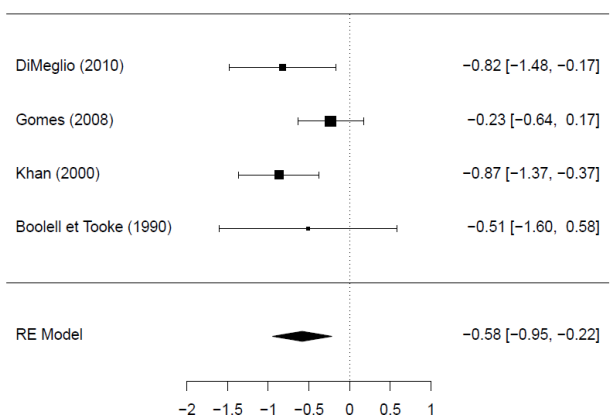
Tonometry – $Z = -3.6$, $p < 0.001$, $I^2 = 0\%$, $p_{het} = 0.55$

S3c – Techniques of pharmacological substances in microcirculation

Calver (1992)   0.31 [−0.56, 1.19]
Johnstone (1993)   −1.16 [−1.86, −0.46]
Rodriguez–Manas (2003) A1c<7.5   0.09 [−0.66, 0.83]
Rodriguez–Manas (2003) A1c>7.5   −0.70 [−1.45, 0.06]
Vervoort (1999)   0.94 [0.50, 1.37]
Waring (2006)   −1.42 [−2.40, −0.44]
Wotherspoon (2006)   0.63 [−0.09, 1.34]

RE Model   −0.16 [−0.87, 0.56]
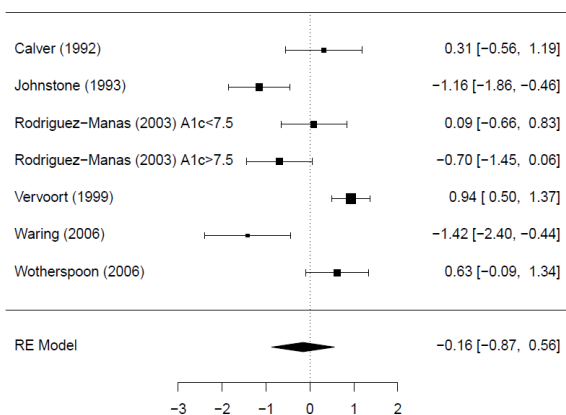
Plethysmography – $Z = -0.43$, $p = 0.67$, $I^2 = 86\%$, $p_{het} < 0.001$

DiMeglio (2010)   −0.82 [−1.48, −0.17]
Gomes (2008)   −0.23 [−0.64, 0.17]
Khan (2000)   −0.87 [−1.37, −0.37]
Boolell et Tooke (1990)   −0.51 [−1.60, 0.58]

RE Model   −0.58 [−0.95, −0.22]

Laser Doppler – $Z = -3.14$, $p = 0.002$, $I^2 = 35\%$, $p_{het} = 0.21$