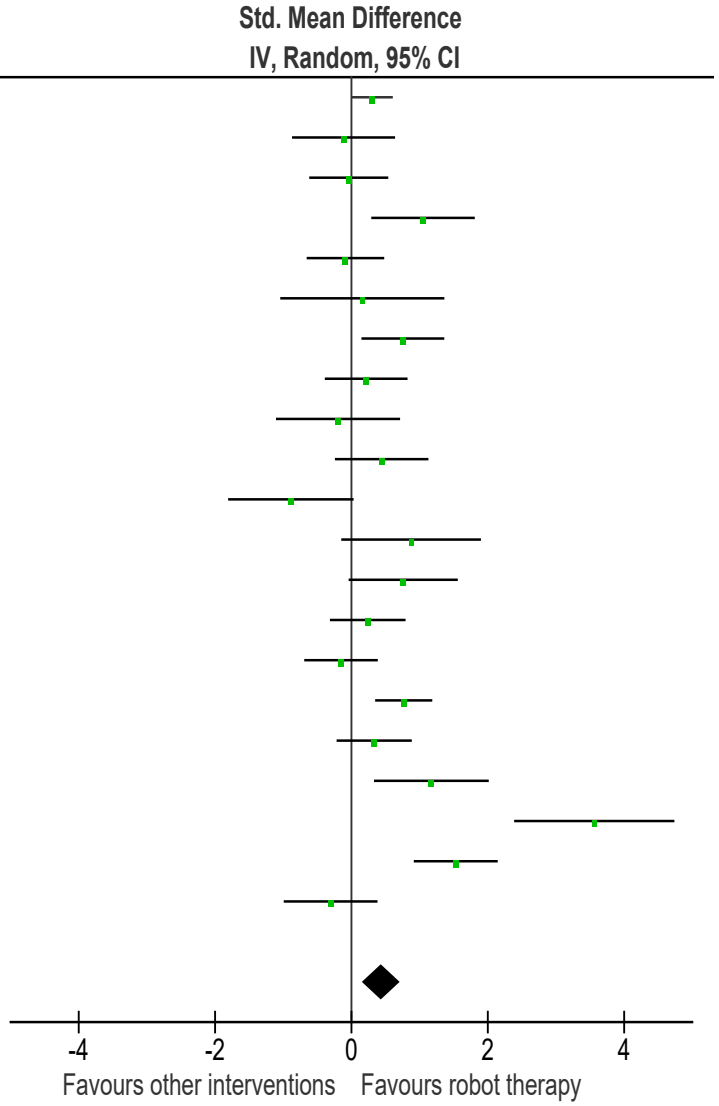
Figure 14: Arm muscle strength (Motricity index, MRC, manual muscle test, MRC total motor power [different scale ranges], higher values are better, change scores) at end of intervention

Study or Subgroup	Robot arm training Mean	SD	Total	Other interventions Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Aprile 2020	17.35	14.38106	91	12.92	14.38983	99	6.4%	0.31 [0.02, 0.59]
Bishop 2014	0.84	5.3	14	1.63	7.8	14	4.6%	-0.12 [-0.86, 0.63]
Burgar 2011	14.9	11.16	36	15.4	15.69777	18	5.3%	-0.04 [-0.60, 0.53]
Gandolfi 2019	3.62	2.739919	16	0.9	2.289522	16	4.6%	1.05 [0.30, 1.80]
Hesse 2014	7.5	7.1	25	8.1	6.4	25	5.4%	-0.09 [-0.64, 0.47]
Iwamoto 2019	2.75	7.19	6	1.67	4.66	5	3.0%	0.16 [-1.03, 1.35]
Kim 2021	5.74	9.49	23	0.54	1.89	24	5.2%	0.76 [0.16, 1.35]
Lee 2016	0.3	0.5	22	0.2	0.4	22	5.2%	0.22 [-0.38, 0.81]
Lum 2006	7.9	7.5	24	9.3	3.2	6	4.0%	-0.20 [-1.09, 0.70]
Masiero 2007	1.7	1.2	17	1.2	1	18	4.9%	0.44 [-0.23, 1.12]
Masiero 2011	0.8	0.6	11	1.5	0.9	10	3.9%	-0.89 [-1.79, 0.02]
Orihuela-Espina 2016	12	7.8	9	5.3	6.6	8	3.6%	0.88 [-0.13, 1.89]
Rabadi 2008	8.3	7.9	10	1.2	9.6	20	4.4%	0.76 [-0.03, 1.55]
Sale 2014	13.9	15.5	26	9.3	21.7	27	5.4%	0.24 [-0.30, 0.78]
Takahashi 2016	6.5	11	30	8.4	13.7	26	5.5%	-0.15 [-0.68, 0.37]
Takebayashi 2022	6.99	2.32	81	5.28	1.95	36	6.0%	0.77 [0.36, 1.17]
Taveggia 2016	17.7	20.8	27	11.4	16	27	5.4%	0.33 [-0.20, 0.87]
Vanoglio 2017	23	17.9	14	5.2	10.2	13	4.2%	1.17 [0.35, 2.00]
Villafane 2017	24.4	2.6	16	14.9	2.6	16	3.1%	3.56 [2.40, 4.72]
Volpe 2000	4.1	1.4	30	1.7	1.7	26	5.2%	1.53 [0.93, 2.13]
Zengin-Metli 2018	21.5	3.87	20	22.87	5	15	4.9%	-0.31 [-0.98, 0.37]
Total (95% CI)			**548**			**471**	**100.0%**	**0.45 [0.17, 0.72]**

Heterogeneity: Tau² = 0.29; Chi² = 80.85, df = 20 (P < 0.00001); I² = 75%
Test for overall effect: Z = 3.18 (P = 0.001)