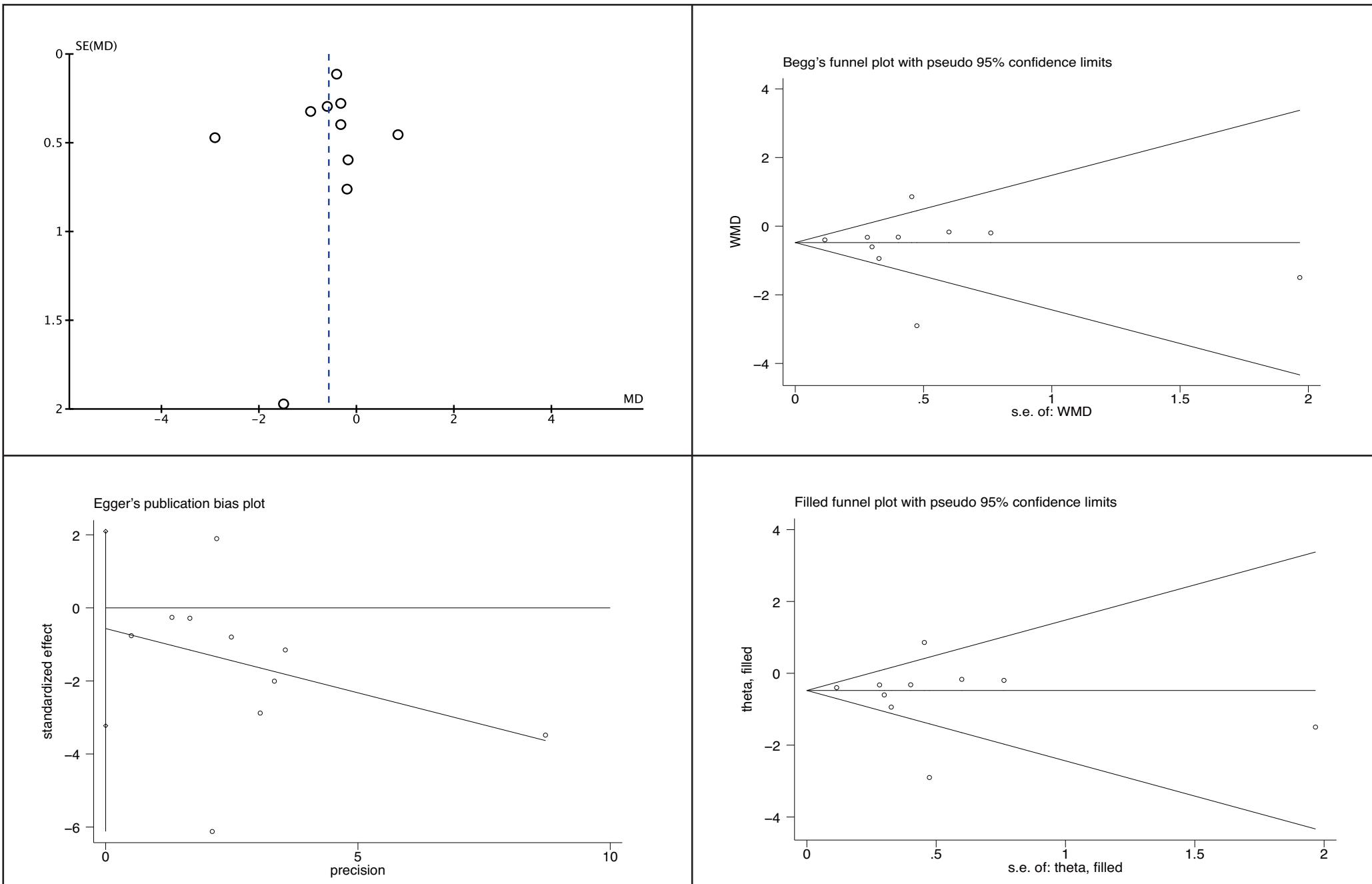


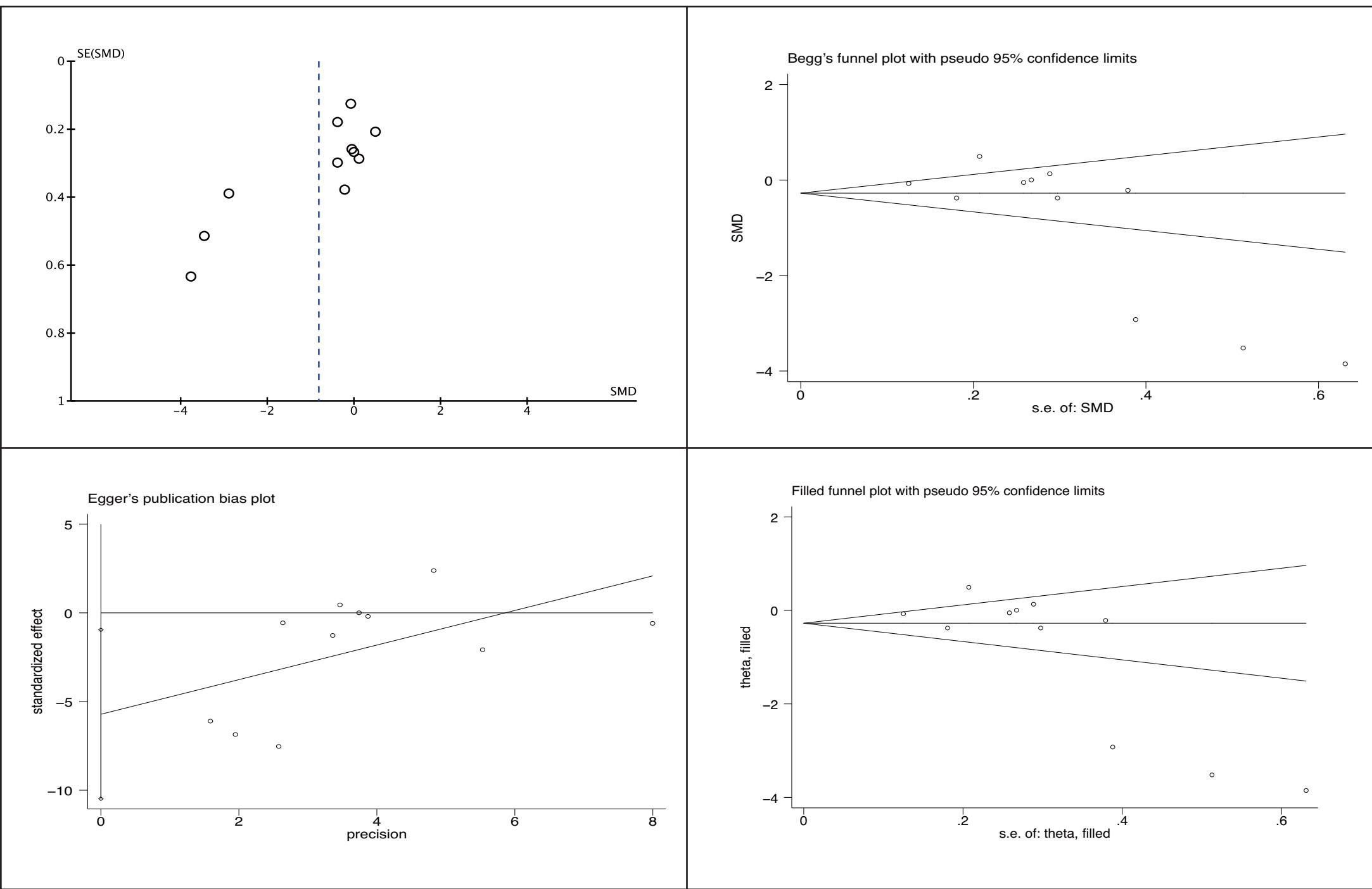
Supplement Material Appendix F1: publication bias of pain

Figure F1



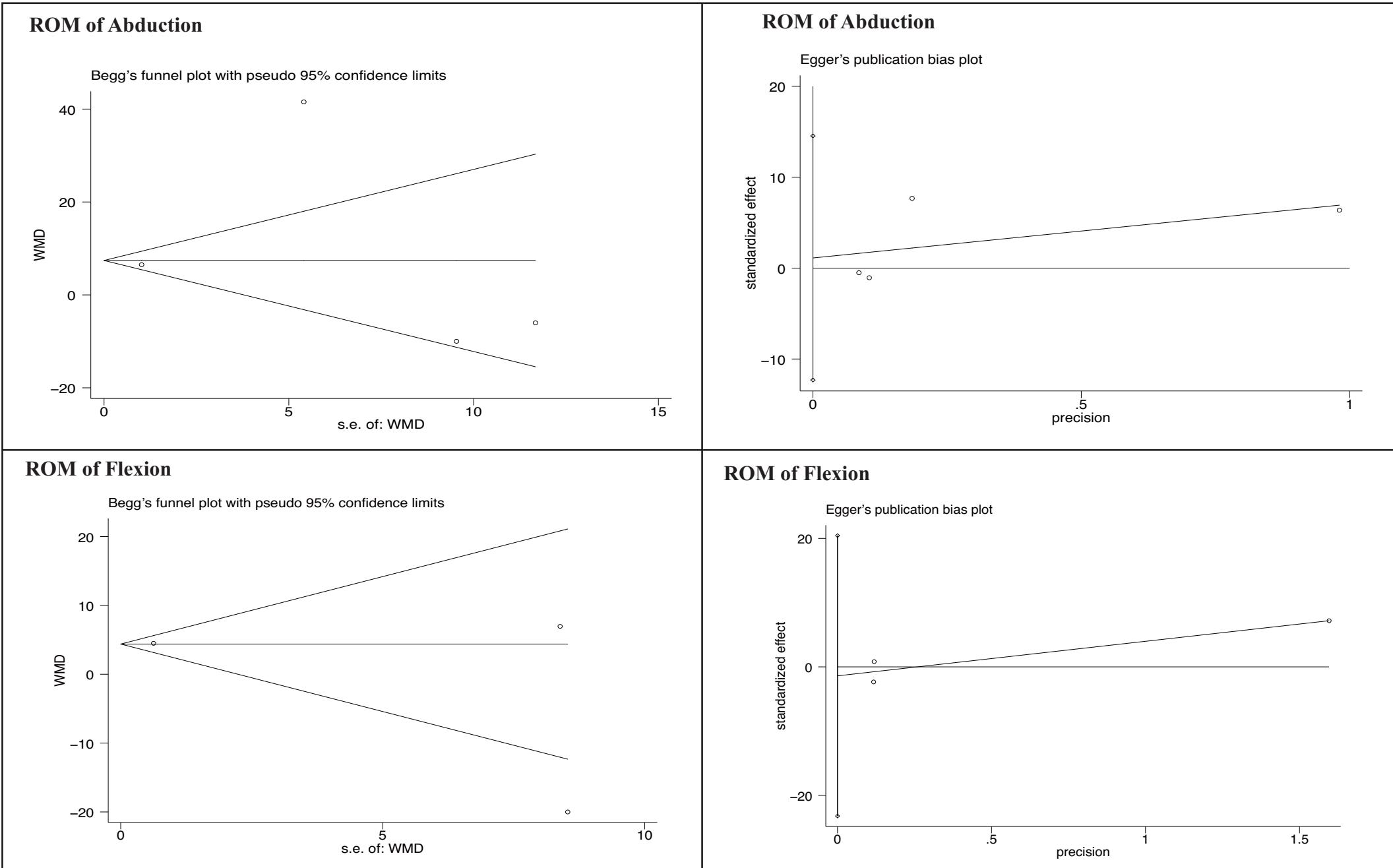
Supplement Material Appendix F2: publication bias of function

Figure F2



Supplementary Material Appendix F3: publication bias of ROM of abduction and flexion

Figure F3



Supplementary Material Appendix F4: the results of begg's test and egger's test

Outcomes	No. of studies	Publication bias (P value)	
		Begg's test	Egger's test
Pain	10	0.283	0.637
Function	11	0.043	0.024
ROM of abduction	4	0.755	0.734
ROM of flexion	3	0.296	0.556
ROM of external rotation	2	1	0
ROM of internal rotation	2	1	0