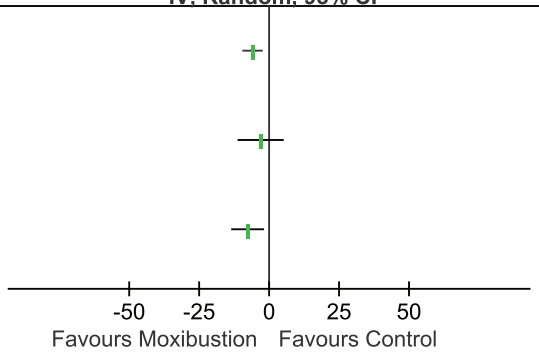
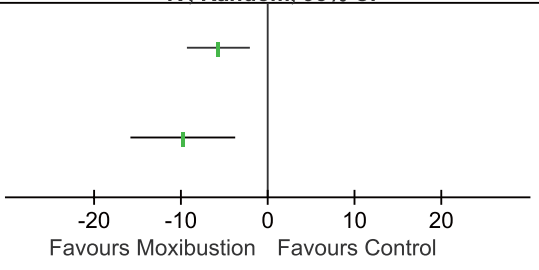
A. Physical function - Short-term

Study or Subgroup	Moxibustion Mean	SD	Total	Control Mean	SD	Total	Mean Difference IV, Random, 95% CI
1.10.1 Usual care							
Kim 2014	-6.26	13.75	102	-0.32	13.12	110	-5.94 [-9.56, -2.32]
1.10.2 Oral drug							
Zhou 2014	-15.8	14.99	39	-12.77	16.22	22	-3.03 [-11.28, 5.22]
1.10.3 Sham moxibustion							
Zhao 2014	-16.97	14.04	55	-9.29	17.21	55	-7.68 [-13.55, -1.81]



B. Physical function - Mid-term

Study or Subgroup	Moxibustion Mean	SD	Total	Control Mean	SD	Total	Mean Difference IV, Random, 95% CI
1.11.1 Usual care							
Kim 2014	-5.34	13.43	102	0.34	13.49	110	-5.68 [-9.31, -2.05]
1.11.2 Sham moxibustion							
Zhao 2014	-18.79	14.21	55	-9.01	17.88	55	-9.78 [-15.82, -3.74]



C. Physical function - Long-term - Sham moxibustion

Study or Subgroup	Moxibustion Mean	SD	Total	Control Mean	SD	Total	Mean Difference IV, Random, 95% CI
Zhao 2014	-17.48	14.23	55	-10.49	17.84	55	-6.99 [-13.02, -0.96]

1. Search algorithm of Embase

No.	Query	Results
#12	#1 AND #7 AND #11	105
#11	#8 OR #9 OR #10	672751
#10	'randomized controlled trial'/exp	383248
#9	'randomized controlled trial (topic)'/exp	85166
#8	random$	224863
#7	#2 OR #3 OR #4 OR #5 OR #6	105554
#6	'osteoarthrosis'/exp OR osteoarthrosis AND deformans	543
#5	degenerative AND arthriti$	1
#4	osteoarthros$	1
#3	osteoarthriti$	4
#2	'osteoarthritis'/exp OR 'osteoarthritis'	105527
#1	'moxibustion'/exp OR 'moxibustion'	6458

2. Search algorithm of PubMed

NO.	Query	Results
#10	Search ((((("Moxibustion"[Mesh]) OR moxibustion[Title/Abstract])) AND (("Osteoarthritis"[Mesh]) OR ((((Osteoarthriti*[Title/Abstract]) OR Degenerative Arthriti*[Title/Abstract]) OR Osteoarthros*[Title/Abstract]) OR Osteoarthrosis Deformans[Title/Abstract])))) AND ((((("Randomized Controlled Trial" [Publication Type]) OR "Randomized Controlled Trials as Topic"[Mesh])) OR random*[Title/Abstract])	41
#9	Search ((("Randomized Controlled Trial" [Publication Type]) OR "Randomized Controlled Trials as Topic"[Mesh])) OR random*[Title/Abstract]	959251
#8	Search random*[Title/Abstract]	808405
#7	Search ("Randomized Controlled Trial" [Publication Type]) OR "Randomized Controlled Trials as Topic"[Mesh]	493633
#6	Search ("Osteoarthritis"[Mesh]) OR ((((Osteoarthriti*[Title/Abstract]) OR Degenerative Arthriti*[Title/Abstract]) OR Osteoarthros*[Title/Abstract]) OR Osteoarthrosis Deformans[Title/Abstract])	64548
#5	Search (((Osteoarthriti*[Title/Abstract]) OR Degenerative Arthriti*[Title/Abstract]) OR Osteoarthros*[Title/Abstract]) OR Osteoarthrosis Deformans[Title/Abstract]	48485
#4	Search "Osteoarthritis"[Mesh]	46420
#3	Search ("Moxibustion"[Mesh]) OR moxibustion[Title/Abstract]	1861
#2	Search moxibustion[Title/Abstract]	1704
#1	Search "Moxibustion"[Mesh]	1273

3. Search algorithm of CENTRAL

NO.	Query	Results
#1	"moxibustion":ti,ab,kw (Word variations have been searched)	803
#2	MeSH descriptor: [Moxibustion] explode all trees	256
#3	#1 or #2	803
#4	Osteoarthriti*:ti,ab,kw or Degenerative Arthriti*:ti,ab,kw or Osteoarthros*:ti,ab,kw or Osteoarthrosis Deformans:ti,ab,kw (Word variations have been searched)	7331
#5	MeSH descriptor: [Osteoarthritis] explode all trees	3669
#6	#4 or #5	7331
#7	random*:ti,ab,kw (Word variations have been searched)	501386
#8	MeSH descriptor: [Randomized Controlled Trial] explode all trees	169
#9	MeSH descriptor: [Randomized Controlled Trials as Topic] explode all trees	21241
#10	#7 or #8 or #9	501438
#11	#3 and #6 and #10	37

4. Search algorithm of Chinese Biomedical Literature Database

NO.	Query	Results
#1	"艾灸"[常用字段:智能]	5644
#2	(("骨关节炎"[不加权:扩展]) OR "骨关节炎，膝"[不加权:扩展]) OR "骨关节炎，髋"[不加权:扩展]	31346
#3	(((((("骨关节炎"[常用字段:智能]) OR "骨性关节炎"[常用字段:智能]) OR "骨关节病"[常用字段:智能]) OR "退行性关节炎"[常用字段:智能]) OR "老年性关节炎"[常用字段:智能]) OR "肥大性关节炎"[常用字段:智能]	35905
#4	("随机对照试验"[不加权:扩展]) OR "随机对照试验(主题)"[不加权:扩展]	279875
#5	"随机"[常用字段:智能]	850555
#6	(#4) OR (#3)	35905
#7	(#6) OR (#5)	850555
#8	(#8) AND (#7) AND (#2)	92

Essential Information Extraction Table Pre-designed by Tian Xu

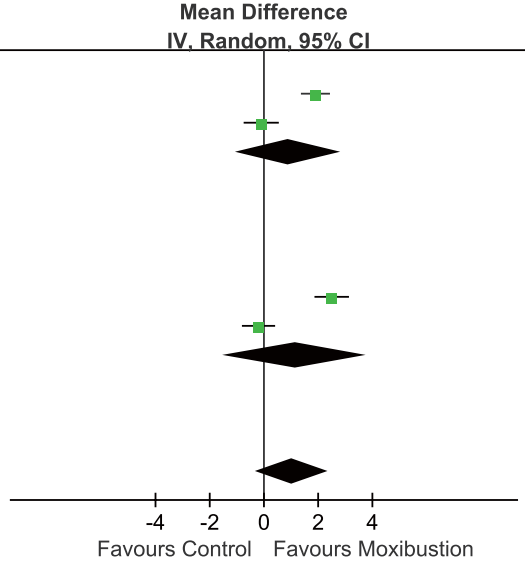
Basic Characteristics of Included into Study				
Study Information	Author		Year	Country
Methods	Allocation			
	Duration			
	Blinding			
	Location			
Participants	Diagnosis			
	Age		Study Group	Control Group
	Sex		Study Group	Control Group
			Male: Female	Male: Female
	Length of Illness		Study Group	Control Group
			±	±
	Inclusion criteria			
	Exclusion criteria			
Interventions	Treatment Group	Content		
	Control group	Content		
Outcomes				
Notes				
Drop-Outs	Drop out due to		Study group	Control group
	the numbers of patients in the early stage			
	the numbers of patients in the late stage			
Continuous Data				
Outcomes	Name of outcome		Data Extraction	
			Mean	SD	N
	Study group				
	Control group				
Binary Data				
Outcomes	Name of Outcome		Data Extraction	
			Event number	Total number
	Study group			
	Control group			
Other Type Data				
Outcomes	Name of Outcome		Data Extraction	
			Median	Range	N
	Study group				
	Control group				

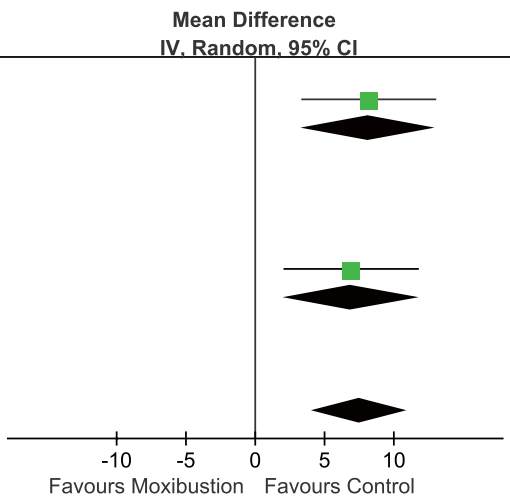
Essential Information Extraction Table Pre-designed by Tian Xu

Assessing of Risk of Bias Tool		
Item	**Description**	**Risk of Bias**
Sequence Generation	Describe the method used to generate the allocation sequence in sufficient detail to allow an assessment of whether it should produce comparable groups	Was the allocation sequence adequately
	Comment:	Unclear
Allocation Concealment	Describe the method used to conceal the allocation sequence in sufficient detail to determine whether intervention allocations could have been foreseen	Was the allocation adequately concealed?
	Comment:	Unclear
Blinding of Participants and Personnel	Describe all measures used, if any, to blind study participants and personnel from knowledge of which intervention a participant received. Provide any information relating to whether the intended blinding was effective	Was knowledge of the allocated intervention adequately prevented during
	Comment:	Unclear
Blinding of Outcome Assessors	Describe all measures used, if any, to blind outcome assessors from knowledge of which intervention a participant received. Provide any information relating to whether the intended blinding was effective.	Was knowledge of the allocated intervention adequately
	Comment:	Unclear
Incomplete Outcome Data	Describe the completeness of outcome data for each main outcome, including attrition and exclusions from the analysis. State whether attrition and exclusions were reported, the numbers in each intervention group (compared with total randomized participants), reasons for attrition/exclusions where reported, and any reinclusions in analyses performed by the review authors.	Were incomplete outcome data adequately addressed?
	Comment:	Low Risk
Selective Outcome Reporting	State how the possibility of selective outcome reporting was examined by the review authors and what was found.	Are reports of the study free of suggestion of
	Comment:	Low Risk
Other Bias	State any important concerns about bias not addressed in the other domains in the tool. If particular questions/entries were re-specified in the review protocol, responses should be provided for each question/entry	Was the study apparently free of other problems that could put it at high risk of bias?
	Comment:	Low Risk

A. GPCRND score - Intraarticular injection (Continuous data)

Study or Subgroup	Moxibustion Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
1.3.1 Short term								
Chen 2015a	8.4	2	144	6.5	2.6	144	25.3%	1.90 [1.36, 2.44]
Chen 2015b	6.4	3	144	6.5	2.6	144	24.8%	-0.10 [-0.75, 0.55]
Subtotal (95% CI)			**288**			**288**	**50.1%**	**0.91 [-1.05, 2.87]**
Heterogeneity: Tau² = 1.91; Chi² = 21.72, df = 1 (P < 0.00001); I² = 95%								
Test for overall effect: Z = 0.91 (P = 0.36)								
1.3.3 Follow-up for 7 months								
Chen 2015a	7.6	2.9	144	5.1	2.6	144	24.9%	2.50 [1.86, 3.14]
Chen 2015b	4.9	2.7	144	5.1	2.6	144	25.0%	-0.20 [-0.81, 0.41]
Subtotal (95% CI)			**288**			**288**	**49.9%**	**1.15 [-1.50, 3.79]**
Heterogeneity: Tau² = 3.54; Chi² = 35.93, df = 1 (P < 0.00001); I² = 97%								
Test for overall effect: Z = 0.85 (P = 0.39)								
Total (95% CI)			**576**			**576**	**100.0%**	**1.03 [-0.30, 2.36]**
Heterogeneity: Tau² = 1.74; Chi² = 57.65, df = 3 (P < 0.00001); I² = 95%								
Test for overall effect: Z = 1.52 (P = 0.13)								
Test for subgroup differences: Chi² = 0.02, df = 1 (P = 0.89), I² = 0%								



B. WOMAC score - Usual care (Continuous data)

Study or Subgroup	Moxibustion Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
1.4.1 Short-term								
Kim 2014	8.74	18.16	102	0.55	17.96	110	50.1%	8.19 [3.32, 13.06]
Subtotal (95% CI)			**102**			**110**	**50.1%**	**8.19 [3.32, 13.06]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 3.30 (P = 0.0010)								
1.4.2 Mid-term								
Kim 2014	7.46	17.9	102	0.54	18.35	110	49.9%	6.92 [2.04, 11.80]
Subtotal (95% CI)			**102**			**110**	**49.9%**	**6.92 [2.04, 11.80]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 2.78 (P = 0.005)								
Total (95% CI)			**204**			**220**	**100.0%**	**7.56 [4.11, 11.00]**
Heterogeneity: Tau² = 0.00; Chi² = 0.13, df = 1 (P = 0.72); I² = 0%								
Test for overall effect: Z = 4.30 (P < 0.0001)								
Test for subgroup differences: Chi² = 0.13, df = 1 (P = 0.72), I² = 0%