Research Article



Ginkgo leaf extract and dipyridamole injection for chronic cor pulmonale: a PRISMA-compliant meta-analysis of randomized controlled trials

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Ginkgo leaf extract and dipyridamole injection (GLED), a kind of Chinese herbal medicine preparation, has been considered as a promising supplementary treatment for chronic cor pulmonale (CCP). Although an analysis of the published literature has been performed, the exact effects and safety of GLED have yet to be systematically investigated. Therefore, a wide-ranging systematic search of electronic databases from which to draw conclusions was conducted. All randomized controlled trials concerning the GLED plus conventional treatments for CCP were selected in the present study. Main outcomes were treatment efficacy, blood gas and hemorrheology indexes, and adverse events. Data from 28 trials with 2457 CCP patients were analyzed. The results indicated that, compared with conventional treatments alone, the combination of conventional treatments with GLED obviously improved the markedly effective rate (RR = 1.44, 95% CI = 1.31-1.58, P < 0.00001) and total effective rate (RR = 1.28, 95% CI = 1.18-1.38, P < 0.00001). Moreover, the hemorrheology (PaO₂, P < 0.00001; PaCO₂, P < 0.00001; SaO₂, P < 0.00001; pH value, P = 0.05) and blood gas indexes (PV, WBHSV, WBMSV, WBLSV, hematocrit and FBG, P < 0.01) of CCP patients were also significantly ameliorated after the combined therapy. The frequency of adverse events did not differ significantly between the two groups (P > 0.05). In summary, evidence from the meta-analysis suggested that the combination of conventional treatments and GLED appeared to be effective and relatively safe for CCP. Therefore, GLED mediated therapy could be recommended as an adjuvant treatment for CCP.

Introduction

Chronic cor pulmonale (CCP), a common type of heart disease, has become a rising major public problem that threatens people's health and quality of life around the world [1]. Although the term "cor pulmonale" is popular in the medical literature, there is presently no consensual definition [1–3]. World Health Organization (WHO) defined CCP as "hypertrophy of the right ventricle resulting from diseases affecting the function and/or structure of the lungs, and may further leading to heart failure" [4]. Pulmonary hypertension resulting from disorders of the respiratory system and/or from chronic hypoxaemia is the main pathological mechanism of CCP [1,5,6]. Currently, the conventional treatment, including antibiotics, vasodilators, expectorants, antiasthmatic drugs, diuretics and antiarrhythic drugs etc. is the main clinical therapy for CCP [1]. However, it is universally acknowledged that long-time use of western medicine sometimes may cause drug resistance and toxic side effects, and therefore its clinical efficacy is still unsatisfactory [1,2]. Many researchers in China and some other Asian countries indicated that the combination of Chinese and Western medicine for CCP might be the potential trend of clinical treatment development in future [7–12].

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Accepted Manuscript online: 03 March 2020 Version of Record published: 12 March 2020 Ginkgo leaf extract and dipyridamole injection (GLED) is a compound Chinese herbal medicine, which mainly consists of ginkgo flavone glycosides (24–25%), terpene lactones [ginkgolides (3.1%) and bilobalide (2.9%)] and dipyridamole (10%) [13–15]. Ginkgo leaf extract has been proved to be an antioxidant and free radical scavenger, an inhibitor of the platelet-activating factor, a vasodilator, and a regulator of metabolism [14–17]. The therapeutic effect mechanism of GLED on CCP included its ability to scavenge free radicals, reduce inflammation and platelet aggregation while regulating vasodilation and glucose and lipid metabolism [16]. Furthermore, GBE affects vasomotor functions by modulating the synthesis of vasoactive substances including nitric oxide and endothelin [16]. GLED is a combination of Ginkgo leaf extract and dipyridamole (a kind of anti-thrombus and vasodilator drug) [18], and has the pharmacological characteristics of both. GLED has been considered as a promising supplementary treatment option for cardiovascular disease, peripheral vascular disease and pulmonary disease due to its unique biological characteristics [13–17]. Tan et al. [14] reported that GLED (10–40 ml/day per day via intravenous infusion) could relieve the incidence of angina pectoris and improve the hemorheology index of patients with coronary artery disease. Xue et al. [15] showed that the clinical application of GDI (10–40 ml/day per day via intravenous infusion) not only obviously enhanced the overall response rate of conventional treatments, but also effectively improved the blood viscosity and blood lipid level of ischemic stroke patients.

Currently, its application in CCP is garnering much attention [14,19–23]. Several clinical trials reported that conventional treatments combined with GLED exhibits more prominent therapeutic effects for CCP than conventional treatments alone [24–51]. However, the scientific evidence has not been systematically reviewed. In the present study, we conducted a meta-analysis to investigate the clinical efficacy and safety of GLED for CCP, in order to provide the best available evidence for clinical practice and further research planning on CCP treatment.

Materials and methods

This systematic review and meta-analysis was performed following the PRISMA guidelines and Cochrane Handbook. Ethics approval was not necessary due to the nature of the study (i.e. meta-analysis).

Search strategy

Literatures were searched across nine electronic databases, including PubMed, Embase, Web of Science, Cochrane Library, Medline, Chinese Scientific Journal Database (VIP), Wanfang database, China National Knowledge Infrastructure (CNKI) and Chinese Biological Medicine Database (CBM), before December 2019, with key terms "ginkgo biloba" or "ginkgo leaf extract" or "ginkgo dipyidamolum" and "dipyridamole injection" or "Ginkgo leaf extract and dipyridamole injection" or "yinxingdamo injection" and "pulmonary heart disease" or "chronic cor pulmonale" or "cor pulmonale" or "fei yuan xing xin zang bing" or "fei xin bing" (Supplementary Table S1). Language is limited with English and Chinese.

Eligibility criteria

Inclusion criteria:

- (1) Randomized controlled trials (RCTs) concerning patients diagnosed with CCP were included;
- (2) Articles involving more than 50 CCP patients;
- (3) There were no other medicines in combination with the conventional treatments in the experimental group, except for GLED, compared with the conventional treatments as a control;
- (4) One or more outcome measures, including the therapeutic effect, or hemorheology or blood gas indexes, or adverse events must be included in each study.

Exclusion criteria:

- (1) Studies not focus on GLED were excluded;
- (2) Inappropriate criteria in experimental or control group were excluded;
- (3) Articles without sufficient available data were excluded;
- (4) Non-RCTs, literature reviews, meta-analysis, meeting abstracts and case reports, repeated studies and experimental model researches were excluded.



Data extraction and quality assessment

Data were extracted by two reviewers (Guo, Y. J. and Xu, X.) independently according to the same inclusion and exclusion criteria; disagreements were adjudicated by the third investigator (Yue, H. M.). The extracted characteristics comprised the following items: (a) first authors' names, (b) years of publication, (c) NYHA heart function classification, (d) number of cases, (e) patient ages, (f) intervening measure, (g) dosage of GLED, (h) duration of treatment, (i) manufacturer of GLED and (j) study parameter types. The quality of included trials was evaluated according to Cochrane Handbook [52,53].

Outcome definition

Treatment efficacy was evaluated in terms of markedly effective rate (MER) and the total effective rate (TER), blood gas and hemorrheology indexes. The hemorrheology indexes covered the following indicators: plasma viscosity (PV), whole blood high-shear viscosity (WBHSV), whole blood medium-shear viscosity (WBMSV), whole blood low-shear viscosity (WBLSV), hematocrit, erythrocyte aggregation index (EAI) and content of fibrinogen (FBG). The blood gas indicators [partial pressure of oxygen (PaO₂), partial pressure of carbon dioxide (PaCO₂), saturation of hemoglobin with oxygen (SaO₂) and pH value] of CCP patients were also determined and compared between the GLED and non-GLED groups.

Statistical analysis

Statistical analysis was performed using the Review Manager 5.3 (Nordic Cochran Centre, Copenhagen, Denmark) and Stata 13.0 (Stata Corp., College Station, TX, U.S.A.) statistical software. Dichotomous data were represented by the risk ratio (RR) with the respective 95% confidence interval (CI), whereas continuous variables were expressed as mean difference (MD) with 95% CI. P < 0.05 indicates difference with statistical significance. Cochrane's Q-test and I^2 statistics were used to assess heterogeneity between studies; P < 0.1 or $I^2 > 50\%$ indicates statistical heterogeneity [54]. A fixed-effects model was used to pool the estimates when heterogeneity was absent. Otherwise, a random effects model was selected.

Publication bias was evaluated by Begg's and Egger's regression tests [55]. If publication bias existed, a trim-and-fill method should be applied to coordinate the estimates from unpublished studies, which were compared with the original pooled RR [56]. Sensitivity analysis was conducted to investigate the influence of different GLED dosages, duration of treatment, sample sizes of involved studies, and manufacturer of GLED on clinical efficacy.

Results Search results

A total of 1722 articles were identified with initial retrieve. A total of 1395 papers were excluded due to duplication. After title and abstract review, 246 articles were further excluded because they were not clinical trials (n = 171) or were unrelated studies (n = 59) or were reviews and meta-analysis (n = 7) or were meeting abstracts and case report (n = 9), leaving 81 studies as potentially relevant. After detailed assessment of full texts, articles were not RCTs (n = 16), publications with inappropriate criteria of experimental or control group (n = 29) and trials with insufficient data (n = 8) were excluded. Finally, 28 trials [24–51] involving 2457 CCP patients were included in this analysis (Figure 1).

Patient characteristics

After selection, all included trials were performed in different hospital of China. In total, 1214 CCP patients were treated by conventional treatments in combination with GLED adjuvant therapy, while 1243 patients were treated by conventional treatments alone. Detailed information of the involved studies and CCP patients is shown in Table 1. All included trials except two [36,43] clearly introduce the duration of treatment. Fourteen studies [24–31,34,35,41,45,46,50] specifically describe the manufacturer of GLED and the remaining 14 studies [32,33,36–40,42–44,47–49,51] lacked clear description of production information (Supplementary Table S2).

Quality assessment

The assessment of bias risk is shown in Figure 2. Twenty-seven studies were determined as low risk, while one trial [26] did not provide a clear description of the randomization process. All included trials did not provide clear description of performance and detection risks. The attrition risks of involved trials were low. Three trials [25,43,48] were considered as high reporting risk owing to lack of primary outcomes (MER or TER) and 15 studies [25,26,28,32,35,37–39,42–51] were considered as unclear reporting risk due to lack of safety assessment.



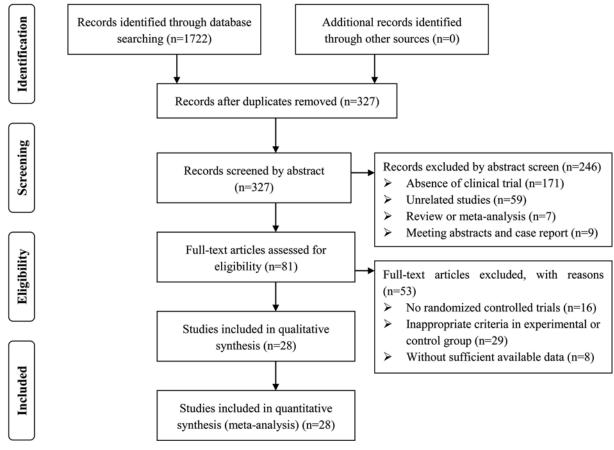


Figure 1. Study selection process for the meta-analysis

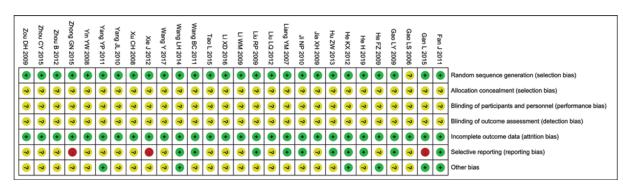


Figure 2. Risk of bias summary

Review of authors' judgments about each risk of bias item for included studies. **Note:** Each color represents a different level of bias: red for high-risk, green for low-risk, and yellow for unclear-risk of bias.

TER and MER

Twenty-five clinical trials [24,26–42,44–47,49–51] involving 2,153 cases compared the MER and/or TER between the two groups (Figures 3 and 4). Our pooled results showed that CCP patients underwent combined therapy had significantly increased MER (RR = 1.44, 95% CI = 1.31–1.58, P < 0.00001) and TER (RR = 1.28, 95% CI = 1.18–1.38, P < 0.00001) compared with conventional treatments alone. MER (P = 0.92, $I^2 = 0\%$) was not heterogeneous among the studies, so fixed-effect model was used to analyzing its RR. Otherwise, random-effect model was used.



Table 1 Clinical information from the eligible trials in the meta-analysis

Included studies	NYHA classification	Patients Con/Exp	4.00	(year)	Intervening measure (Exp/Con)	Dosage of GLED	Duration
Studies	classification	001/220	Con	Exp	(Exp/001)	GLLD	Duration
Fan, J., 2011	II-IV	40/40	63 + 5.6 (mean)	61 + 7.8 (mean)	CT+GLED (iv) VS CT	20 ml/day	14 days
Gan, L., 2015	II-IV	43/43	67.00 ± 1.48 (mean)	68.50 ± 1.20 (mean)	CT+GLED (iv) VS CT	20 ml/day	10-14 days
Gao, L. S., 2006	NG	48/48	NG	NG	CT+GLED (iv) VS CT	20 ml/day	7 days
Gao, L. Y., 2009	NG	40/40	58 <u>+</u> 11 (mean)	59 <u>+</u> 11 (mean)	CT+GLED (iv) VS CT	20 ml/day	14 days
He, F. Z., 2009	III-IV	35/36	46–78 (range)	45–80 (range)	CT+GLED (iv) VS CT	20 ml/day	14 days
He, H., 2019	NG	31/31	68 + 9 (mean)	68 + 10 (mean)	CT+GLED (iv) VS CT	20 ml/day	12 days
He, K. X., 2012	III-IV	31/31	62.41 + 3.52 (mean)	62.36 + 3.61 (mean)	CT+GLED (iv) VS CT	20 ml/day	7–14 days
Hu, Z. W., 2013	NG	40/40	59.2 ± 5.6 (mean)	60.2 ± 5.2 (mean)	CT+GLED (iv) VS CT	20 ml/day	10 days
Jia, X. H., 2009	II-IV	33/33	41–82 (range)	42–78 (range)	CT+GLED (iv) VS CT	40 ml/day	15 days
Ji, N. P., 2010	II-IV	48/58	58–89 (range)	60–91 (range)	CT+GLED (iv) VS CT	20 ml/day	10 days
Liang, Y. M., 2007	III-IV	48/48	NG	NG	CT+GLED (iv) VS CT	30 ml/day	14 days
Liu, L. Q., 2012	NG	64/64	64.5 ± 8.9 (mean)	63.8 ± 8.6 (mean)	CT+GLED (iv) VS CT	20 ml/day	10 days
Liu, R. P., 2009	II-IV	31/30	50–79 (range)	51–79 (range)	CT+GLED (iv) VS CT	15-20 ml/day	NG
Li, W. M., 2009	NG	51/52	49–92 (range)	45–95 (range)	CT+GLED (iv) VS CT	20 ml/day	14 days
Li, X. D., 2016	III-IV	45/45	60.89 ± 3.87 (mean)	61.02 ± 3.76 (mean)	CT+GLED (iv) VS CT	20 ml/day	7–14 days
Tao, L., 2015	II-IV	54/54	NG	NG	CT+GLED (iv) VS CT	30 ml/day	14 days
Wang, B. C., 2011	III-IV	28/28	63.1 <u>+</u> 3.9 (mean)	62.2 ± 4.3 (mean)	CT+GLED (iv) VS CT	20 ml/day	15 days
Wang, L. H., 2014	II-IV	56/56	71.8 <u>+</u> 6.5 (mean)	72.5 <u>+</u> 6.9 (mean)	CT+GLED (iv) VS CT	20 ml/day	10 days
Wang, Y., 2017	-	36/36	NG	NG	CT+GLED (iv) VS CT	20 ml/day	10 days
Xie, J., 2012	NG	50/50	67.0 ± 6.5 (mean)	68.0 ± 7.0 (mean)	CT+GLED (iv) VS CT	20 ml/day	NG
Xu, C. H., 2008	NG	40/46	55.4 ± 7.8 (mean)	58.6 ± 7.3 (mean)	CT+GLED (iv) VS CT	15 ml/day	7 days
Yang, J. L., 2010	III-IV	30/30	NG	NG	CT+GLED (iv) VS CT	20 ml/day	7–10 days
Yang, Y. P., 2011	III-IV	35/35	41.5–79 (range)	40–80 (range)	CT+GLED (iv) VS CT	20 ml/day	14 days
Yin, Y. W., 2008	II-IV	29/36	38–83 (range)	40–81 (range)	CT+GLED (iv) VS CT	40 ml/day	15 days
Zhong, G. N., 2015	NG	60/60	68.36 ± 5.24 (mean)	68.41 <u>+</u> 5.33 (mean)	CT+GLED (iv) VS CT	20 ml/day	12 days
Zhou, B., 2012	III-IV	43/43	56–72 (range)	58–76 (range)	CT+GLED (iv) VS CT	25 ml/day	28 days
Zhou, C. Y., 2015	NG	25/30	NG	NG	CT+GLED (iv) VS CT	20-30 ml/day	10 days
Zou, D.H., 2009	II-IV	100/100	40–92	38–94	CT+GLED (iv) VS CT	20 ml/day	days

Notes: Con, control group (conventional treatments alone group); Exp, experimental group (conventional treatments and GLED combined group). *The compositions and concentrations of GLED in all included trials are the same (every 10 ml GDI contained 9.0–11.0 mg total flavonoids and 3.6–4.4 mg dipyridamole).

Abbreviations: CT, conventional treatments; NG, not given; NYHA, New York Heart Association; GLED, Ginkgo leaf extract and dipyridamole injection; IV, intravenous injection.

Blood gas analysis

Eight trials [27,29,30,33,35,38,39,49] with 722 participants measured the PaO₂ and PaCO₂, two trials [27,29] involving 142 CCP patients evaluated the SaO₂, and three trials [27,35,39] including 316 patients reported data on pH value (Figure 5). Results showed that the blood gas indexes of CCP patients received combined therapy was obviously improved compared with those treated by conventional treatments alone, indicated by significantly increased PaO₂ (MD = 1.14, 95% CI = 0.89–1.39, P < 0.00001), SaO₂ (MD = 5.34, 95% CI = 3.65–7.04, P < 0.00001) and PH value (MD = 0.11, 95% CI = 0.00–0.22, P = 0.05), and obviously decreased PaCO₂ (MD = -0.52, 95% CI = -0.73–0.32, P < 0.00001). PH value (P = 0.99, $I^2 = 0$ %) was heterogeneous among the studies, so random-effect model was used to analyzing its RR. Otherwise, fixed-effect model was used.

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	GLED+	RT	RT			Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% Cl
Fan J 2011	17	40	10	40	2.6%	1.70 [0.89, 3.25]	
Gao LS 2006	40	48	28	50	7.2%	1.49 [1.13, 1.96]	-
Gao LY 2009	19	40	9	40	2.4%	2.11 [1.09, 4.09]	
He FZ 2009	21	36	14	35	3.7%	1.46 [0.89, 2.38]	
He H 2019	14	31	11	31	2.9%	1.27 [0.69, 2.35]	
He KX 2012	19	31	13	31	3.4%	1.46 [0.89, 2.41]	
Hu ZW 2013	30	40	20	40	5.2%	1.50 [1.05, 2.15]	
Ji NP 2010	35	58	17	48	4.9%	1.70 [1.10, 2.63]	
Li WM 2009	27	52	22	51	5.8%	1.20 [0.80, 1.81]	+-
Li XD 2016	30	45	18	45	4.7%	1.67 [1.10, 2.52]	-
Liang YM 2007	8	48	5	48	1.3%	1.60 [0.56, 4.54]	
Liu LQ 2012	40	64	29	64	7.6%	1.38 [0.99, 1.92]	-
Liu RP 2009	22	30	17	31	4.4%	1.34 [0.91, 1.97]	-
Tao L 2015	37	54	33	54	8.6%	1.12 [0.85, 1.48]	-
Wang LH 2014	38	56	31	56	8.1%	1.23 [0.91, 1.65]	-
Wang Y 2017	19	36	14	36	3.7%	1.36 [0.81, 2.27]	
Xu CH 2008	33	46	22	40	6.2%	1.30 [0.93, 1.82]	-
Yang JL 2010	6	30	3	30	0.8%	2.00 [0.55, 7.27]	
Yang YP 2011	19	35	13	35	3.4%	1.46 [0.86, 2.48]	
Zhou B 2012	27	43	19	43	5.0%	1.42 [0.95, 2.14]	
Zhou CY 2015	19	30	14	25	4.0%	1.13 [0.73, 1.76]	
Zou DH 2009	36	100	16	100	4.2%	2.25 [1.34, 3.78]	
Total (95% CI)		993		973	100.0%	1.44 [1.31, 1.58]	•
Total events	556		378				
Heterogeneity: Chi ² = 1	2.65, df =	21 (P	= 0.92); 12	= 0%			
Test for overall effect: 2							0.01 0.1 1 10 100
							Favours RT Favours GLED+RT

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Figure 3. Comparisons of MER between experimental and control group

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Forest plot of the comparison of MER between the experimental and control group. Control group, conventional treatments alone group; Experimental group, conventional treatments and GLED combined group. The random effects meta-analysis model (Inverse Variance method) was used.

Hemorrheology assessment

The hemorrheology of CCP patients was measured between GLED and non-GLED groups in 13 controlled studies [25–27,29,31,34,36,37,39,41,43,44,48] with 1,192 CCP patients (Figure 6). In this analysis, our results showed that the hemorrheology of CCP patients received combined therapy was significantly ameliorated compared with those treated by conventional treatments alone, indicated by significantly decreased PV (MD = -0.21, 95% CI = -0.32–0.11, P < 0.0001), WBHSV (MD = -1.07, 95% CI = -1.41–0.74, P < 0.0001), WBMSV (MD = -1.91, 95% CI = -3.22–0.59, P = 0.004), WBLSV (MD = -2.17, 95% CI = -3.25–1.10, P < 0.0001), hematocrit (MD = -0.06, 95% CI = -0.09–0.04, P < 0.0001) and FBG (MD = -0.69, 95% CI = -1.01–0.37, P < 0.0001), whereas analysis of EAI (MD = -0.36, 95% CI = -0.75–0.03, P = 0.07) did not differ significantly between the two groups. There was significant heterogeneity among the studies. Therefore, a random-effects model was conducted to pool data and so any conclusions need to be made with caution.

Adverse events assessment

Among all included studies, 18 trials [25,26,28,32,35,37–39,42–51] did not report adverse events. Ten trials [24,27,29–31,33,34,36,40,41] involving 795 CCP patients described specific adverse events that occurred in GLED treatment. The most common side effects of GLED treatment were including nausea, headache, dizziness, abdominal distention, pruritus and skin rash, which usually subsided after symptomatic treatment. No severe adverse event occurred during GLED treatment, and the occurrence of these adverse reactions in the two groups did not differ obviously (Figure 7, RR = 2.21, 95% CI = 0.95–5.15, P = 0.07). Statistics showed no statistically significant heterogeneity (P = 0.42, $I^2 = 0\%$), so fixed-effect model was used to carry out the meta-analysis.

	GLED	+RT	RT			Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% C	M-H, Random, 95% Cl
Fan J 2011	37	40	25	40	3.7%	1.48 [1.15, 1.91]	-
Gao LS 2006	45	48	42	50	5.3%	1.12 [0.97, 1.29]	*
Gao LY 2009	34	40	22	40	3.1%	1.55 [1.13, 2.11]	-
He FZ 2009	33	36	23	35	3.7%	1.39 [1.08, 1.81]	-
He H 2019	22	31	16	31	2.2%	1.38 [0.91, 2.07]	<u>+</u>
He KX 2012	26	31	21	31	3.3%	1.24 [0.93, 1.65]	-
Hu ZW 2013	36	40	29	40	4.2%	1.24 [1.00, 1.54]	-
Ji NP 2010	55	58	39	48	5.2%	1.17 [1.01, 1.35]	*
Jia XH 2009	25	33	9	33	1.3%	2.78 [1.54, 5.01]	
Li WM 2009	47	52	40	51	4.9%	1.15 [0.97, 1.36]	*
Li XD 2016	41	45	33	45	4.5%	1.24 [1.02, 1.52]	-
Liang YM 2007	39	48	24	48	3.0%	1.63 [1.19, 2.22]	-
Liu LQ 2012	61	64	46	64	5.0%	1.33 [1.13, 1.56]	*
Liu RP 2009	29	30	27	31	5.2%	1.11 [0.95, 1.29]	-
Tao L 2015	51	54	44	54	5.3%	1.16 [1.00, 1.34]	~
Wang BC 2011	28	28	27	28	5.9%	1.04 [0.94, 1.14]	*
Wang LH 2014	53	56	48	56	5.5%	1.10 [0.98, 1.25]	r
Wang Y 2017	30	36	26	36	3.8%	1.15 [0.90, 1.48]	.
Xu CH 2008	41	46	28	40	4.1%	1.27 [1.02, 1.60]	-
Yang JL 2010	26	30	19	30	3.1%	1.37 [1.01, 1.86]	-
Yang YP 2011	32	35	23	35	3.7%	1.39 [1.07, 1.80]	-
Yin YW 2008	27	36	10	29	1.5%	2.17 [1.27, 3.72]	
Zhou B 2012	36	43	30	43	4.0%	1.20 [0.95, 1.52]	-
Zhou CY 2015	28	30	21	25	4.5%	1.11 [0.91, 1.35]	*
Zou DH 2009	88	100	46	100	4.1%	1.91 [1.53, 2.39]	-
Total (95% CI)		1090		1063	100.0%	1.28 [1.18, 1.38]	4
Total events	970		718				
Heterogeneity: Tau ² =	0.02; Chi ²	= 79.0	5, df = 24	(P < 0	.00001); l ^a	² = 70%	
Test for overall effect:	Z = 6.37 (P < 0.0	0001)		n non a franciska se		0.01 0.1 1 10 100 Favours RT Favours GLED+RT

Figure 4. Comparisons of TER between experimental and control group

Forest plot of the comparison of TER between the experimental and control group. Control group, conventional treatments alone group; Experimental group, conventional treatments and GLED combined group. The random effects meta-analysis model (Mantel–Haenszel method) was used.

Publication bias

Publication bias was assessed by funnel plots, Begg's and Egger's regression tests (Figure 8). Analysis results indicate that publication bias was existed in MER and TER. To determine if the bias affect the results of pooled analysis, we conducted trim and filled analysis. The adjusted RR indicated same trend with the result of the primary analysis (Figure 8, MER: before: P < 0.001, after: P < 0.001; TER: before: P < 0.001, after: P < 0.001), reflecting the reliability of our primary conclusions.

Sensitivity analysis

Sensitivity analysis was performed to explore an individual study's influence on the pooled results by deleting one single study each time from pooled analysis. As Figure 9 signified, the results revealed that no individual studies significantly affected the primary indicators (MER and TER), which indicated statistically robust results.

We also conducted subgroup analysis to explore the source of heterogeneity in MER and TER with respect to GLED dosages, duration of treatment, sample sizes of involved studies, and manufacturer of GLED. As shown in Table 2, our analysis showed that these variables except manufacturer of GLED did not have a significant impact on the therapeutic efficacy of GLED for CCP.

Discussion

Ginkgo biloba, a "living fossil," have been used as traditional herbal medicine for thousands of years in China [16]. As an important Ginkgo biloba extract preparation, it has been proven that the pharmacological effects of GLED include regulating vasomotor, improving hemorheology, enhancing immunity, relieving inflammation and scavenging



(A)

	GL	ED+R	т		RT			Mean Difference	Mean I	Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% C	I IV, Fix	ed, 95% Cl
Gao LY 2009	10.46	3.71	40	8.56	4.34	40	2.0%	1.90 [0.13, 3.67]		
He H 2019	10.53	1.32	31	9.74	1.58	31	11.9%	0.79 [0.07, 1.51]		
He KX 2012	9.84	1.39	31	8.67	1.42	31	12.8%	1.17 [0.47, 1.87]		
Ji NP 2010	9.25	1.67	58	7.93	1.37	48	18.7%	1.32 [0.74, 1.90]		
Li XD 2016	9.75	1.38	45	8.77	1.55	45	17.0%	0.98 [0.37, 1.59]		
Liu LQ 2012	11.23	2.23	64	9.97	2.12	64	11.0%	1.26 [0.51, 2.01]		
Tao L 2015	10.95	1.94	54	9.76	2.03	54	11.2%	1.19 [0.44, 1.94]		
Zhou B 2012	9.71	1.5	43	8.61	1.53	43	15.3%	1.10 [0.46, 1.74]		
Total (95% CI)			366			356	100.0%	1.14 [0.89, 1.39]		•
Heterogeneity: Chi ² = 2	2.38, df =	= 7 (P	= 0.94)	; I ² = 0%	6				-4 -2	
Test for overall effect:	Z = 8.90	(P < (0.00001)					-4 -2 Favours RT	0 2 4 Favours GLED+RT

(B)

	GL	ED+R	т		RT			Mean Difference		Mean Di	fference	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% C		IV, Fixe	d. 95% CI	
Gao LY 2009	8.6	2.29	40	9.93	2.95	40	3.1%	-1.33 [-2.49, -0.17]	-			
He H 2019	6.18	1.05	31	6.45	1.18	31	13.5%	-0.27 [-0.83, 0.29]			-	
He KX 2012	8.32	2.08	31	9.2	2.21	31	3.7%	-0.88 [-1.95, 0.19]			t	
Ji NP 2010	5.69	1.72	58	6.63	1.37	48	12.1%	-0.94 [-1.53, -0.35]				
Li XD 2016	8.36	1.44	45	9.18	2.68	45	5.3%	-0.82 [-1.71, 0.07]			t	
Liu LQ 2012	6.21	1.37	64	6.82	0.84	64	27.0%	-0.61 [-1.00, -0.22]				
Tao L 2015	6.57	1.02	54	6.76	0.94	54	30.6%	-0.19 [-0.56, 0.18]		-	-	
Zhou B 2012	8.51	1.49	43	9.19	2.81	43	4.6%	-0.68 [-1.63, 0.27]			F	
Total (95% CI)			366			356	100.0%	-0.52 [-0.73, -0.32]		•		
Heterogeneity: Chi ² = 8		•	,		%				-4	-2	0 2	4
Test for overall effect:	Z = 5.00	(P < (0.00001)					Favours	GLED+R1	Fa	vours RT

(C)

	G	LED+R	г		RT			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% C	I IV, Fixed, 95% CI
Gao LY 2009	97.5	15.87	40	88.04	11.57	40	7.7%	9.46 [3.37, 15.55]	
He H 2019	88	4	31	83	3	31	92.3%	5.00 [3.24, 6.76]	
Total (95% CI)			71			71	100.0%	5.34 [3.65, 7.04]	•
Heterogeneity: Chi ² =	1.90, df :	= 1 (P =	0.17);	l² = 47%	6				-20 -10 0 10 20
Test for overall effect:	Z = 6.19	(P < 0.	00001)						Favours RT Favours GLED+RT

(D)

	GL	ED+R	т		RT			Mean Difference		Mear	n Differer	nce	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% C		IV, Ra	ndom, 9	5% CI	
Gao LY 2009	7.37	0.07	40	7.13	0.1	40	32.8%	0.24 [0.20, 0.28]					
Liu LQ 2012	7.42	0.07	64	7.35	0.07	64	33.5%	0.07 [0.05, 0.09]					
Tao L 2015	7.38	0.05	54	7.36	0.06	54	33.7%	0.02 [-0.00, 0.04]					
Total (95% CI)			158			158	100.0%	0.11 [0.00, 0.22]			•		
Heterogeneity: Tau ² =				= 2 (P	< 0.00	001); l²	= 98%		-2	-1	ò	1	2
Test for overall effect:	Z = 1.97	(P=().05)						-	urs RT	Favor	urs GLEI	D+RT

Figure 5. Comparisons of blood gas indexes between experimental and control group

Forest plot of the comparison of the blood gas indexes including PaO₂ (**A**), PaCO₂ (**B**), SaO₂ (**C**) and PH value (**D**) between the experimental and control group. Control group, conventional treatments alone group; Experimental group, conventional treatments and GLED combined group.



4)	GL	ED+R1	r		RT			Mean Difference	Mean Difference
	Mean	SD	Total	Mean	SD		Weight	IV. Random, 95% CI	IV. Random. 95% Cl
Gan L 2015 Gao LS 2006	1.6 1.53	0.11	43 48	1.74	0.1	43	11.0%	-0.14 [-0.18, -0.10]	<u>_</u> '
Gao LS 2006 Gao LY 2009	1.53	0.25	48	1.53	0.01	40	10.4%	-0.44 [-0.53, -0.35] -0.03 [-0.06, -0.00]	
Hu ZW 2013	1.52	0.32	40	1.72	0.36	40	9.2%	-0.20 [-0.35, -0.05]	-
LI WM 2009		0.23	52		0.22	51	10.5%	-0.18 [-0.27, -0.09]	~
Liang YM 2007	1.41	0.23	48		0.14	48	10.6%	-0.52 [-0.60, -0.44]	-
Wang LH 2014	1.08	0.12	56	1.28	0.22	56	10.8%	-0.20 [-0.27, -0.13]	*
Xie J 2012	1.66	0.26	50	1.72	0.29	50	10.1%	-0.06 [-0.17, 0.05]	T
Xu CH 2008 Zhong GN 2015	1.91 1.66	0.72	46 60	2.3	0.7	40 60	6.0% 10.3%	-0.39 [-0.69, -0.09] -0.06 [-0.16, 0.04]	-
Linding Oil 2010	1.00	0.27	00	1.74	0.20	00	10.076	-0.00 [-0.10, 0.04]	
Total (95% CI)			483			478	100.0%	-0.21 [-0.32, -0.11]	•
Heterogeneity: Tau ² = (0.03; Ch	ni² = 20	6.59, d	f = 9 (P	< 0.00	0001); F	² = 96%		-2 -1 0 1 2
Test for overall effect: 2	Z = 3.91	(P < 0	.0001)						Favours GLED+RT Favours RT
3)									
-)	GL	ED+R	т		RT			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV. Random, 95% Cl	IV. Random, 95% Cl
Gan L 2015	5.09	1	43	6.19	0.98	43	11.7%	-1.10 [-1.52, -0.68]	-
Gao LS 2006	4.75	1.22	48	7.36	1.43	50	10.6%	-2.61 [-3.14, -2.08]	•
Hu ZW 2013		0.22	40	4.61	0.32	40	14.0%	-0.51 [-0.63, -0.39]	1
Li WM 2009		1.29	52	7.21	1.34	51	10.8%	-2.48 [-2.99, -1.97]	· ·
Liang YM 2007		0.75	48	7.65	0.91	48	12.5%	-1.22 [-1.55, -0.89]	1
Tao L 2015		0.83	54	5.53	1.02	54	12.4%	-0.55 [-0.90, -0.20]	1
Wang LH 2014 Xu CH 2008	3.45		56 46	3.96 4.75	0.26	56 40	14.2% 13.9%	-0.51 [-0.60, -0.42] -0.27 [-0.43, -0.11]	4
10 011 2000	4.40	0.01	40	4.13	0.42	40	10.876	-0.27 [-0.45, -0.11]	1
Total (95% CI)			387			382	100.0%	-1.07 [-1.41, -0.74]	1
Heterogeneity: Tau ² = 0	0.21: Ch	ni ² = 14		f = 7 (P	< 0.0	0001): 1	2 = 95%		
Test for overall effect: 2									-20 -10 0 10 20 Favours GLED+RT Favours RT
									ravours occurrent ravours RT
2)									
		ED+R			RT		-	Mean Difference	Mean Difference
Study or Subgroup	Mean		Total	Mean	SD	Total	Weight	IV. Random, 95% Cl	IV. Random, 95% Cl
Gao LS 2006 Li WM 2009	6.19	1.02	48 52	8.67 8.73	1.24	50 51	25.0% 25.0%	-2.48 [-2.93, -2.03]	
Tao L 2015	6.21 5.99	1.05	52	8.73	1.24	51	25.0% 24.4%	-2.52 [-2.96, -2.08] -2.16 [-2.76, -1.56]	÷
Wang LH 2014	4.37		56	4.89	0.22	56	25.7%	-0.52 [-0.60, -0.44]	
thong art aver		0.001		100	0.000		2011 10	ever f ever ever	
Total (95% CI)			210				100.0%	-1.91 [-3.22, -0.59]	• • •
Heterogeneity: Tau ² =				f = 3 (P	< 0.0	0001);	² = 98%		-10 -5 0 5 10
Test for overall effect: 2	Z = 2.85	(P = 0	.004)						Favours GLED+RT Favours RT
04 . d 0 . b		ED+R			RT				
Study or Subgroup Gan L 2015	Mean 9.02	5D 1.3	Total 43	Mean 11.24	SD 1.43	Total 43	Weight 12.6%	Mean Difference IV. Random. 95% C -2.22 [-2.80, -1.64]	Mean Difference
Gan L 2015 Gao LS 2006	9.02 10.06	1.3 1.79	43 48	11.24 13.43	1.43 1.57	43 50	12.6% 12.4%	IV. Random. 95% C -2.22 [-2.80, -1.64] -3.37 [-4.04, -2.70]	
Gan L 2015 Gao LS 2006 Hu ZW 2013	9.02 10.06 9.1	1.3 1.79 1.2	43 48 40	11.24 13.43 10.5	1.43 1.57 1.8	43 50 40	12.6% 12.4% 12.4%	IV. Random. 95% C -2.22 [-2.80, -1.64] -3.37 [-4.04, -2.70] -1.40 [-2.07, -0.73]	
Gan L 2015 Gao LS 2006 Hu ZW 2013 Li WM 2009	9.02 10.06 9.1 10.12	1.3 1.79 1.2 1.76	43 48 40 52	11.24 13.43 10.5 12.87	1.43 1.57 1.8 1.57	43 50 40 51	12.6% 12.4% 12.5%	IV. Random. 95% C -2.22 [-2.80, -1.64] -3.37 [-4.04, -2.70] -1.40 [-2.07, -0.73] -2.75 [-3.39, -2.11]	
Gan L 2015 Gao LS 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007	9.02 10.06 9.1 10.12 10.19	1.3 1.79 1.2 1.76 1.03	43 48 40 52 48	11.24 13.43 10.5 12.87 11.9	1.43 1.57 1.8 1.57 1.25	43 50 40 51 48	12.6% 12.4% 12.4% 12.5% 12.8%	V, Random, 95% C -2.22 [-2.80, -1.64] -3.37 [-4.04, -2.70] -1.40 [-2.07, -0.73] -2.75 [-3.39, -2.11] -1.71 [-2.17, -1.25]	
Gan L 2015 Gao LS 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015	9.02 10.06 9.1 10.12 10.19 10.97	1.3 1.79 1.2 1.76 1.03 1.34	43 48 40 52 48 54	11.24 13.43 10.5 12.87 11.9 14.54	1.43 1.57 1.8 1.57 1.25 2.18	43 50 40 51 48 54	12.6% 12.4% 12.4% 12.5% 12.8% 12.8%	V, Random, 95% C -2.22 [-2.80, -1.64] -3.37 [-4.04, -2.70] -1.40 [-2.07, -0.73] -2.75 [-3.39, -2.11] -1.71 [-2.17, -1.25] -3.57 [-4.25, -2.89]	
Gan L 2015 Gao LS 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014	9.02 10.06 9.1 10.12 10.19 10.97 7.98	1.3 1.79 1.2 1.76 1.03	43 48 40 52 48	11.24 13.43 10.5 12.87 11.9 14.54	1.43 1.57 1.8 1.57 1.25	43 50 40 51 48	12.6% 12.4% 12.4% 12.5% 12.8%	V. Random, 95% C -2.22 [-2.80, -1.64] -3.37 [-4.04, -2.70] -1.40 [-2.07, -0.73] -2.75 [-3.39, -2.11] -1.71 [-2.17, -1.25] -3.57 [-4.25, -2.88] -0.28 [-0.36, -0.20]	
Gan L 2015 Gao LS 2006 Hu ZW 2013 Li VM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008	9.02 10.06 9.1 10.12 10.19 10.97 7.98	1.3 1.79 1.2 1.76 1.03 1.34 0.18	43 48 40 52 48 54 56 46	11.24 13.43 10.5 12.87 11.9 14.54 8.26	1.43 1.57 1.8 1.57 1.25 2.18 0.24	43 50 40 51 48 54 56 40	12.6% 12.4% 12.5% 12.5% 12.8% 12.4% 13.0% 11.9%	IV. Random, 95% C -2.22 [-2.80, -1.64] -3.37 [-4.04, -2.70] -1.40 [-2.07, -0.73] -2.75 [-3.39, -2.11] -1.71 [-2.17, -1.25] -3.57 [-4.25, -2.68] -0.28 [-0.36, -0.20] -2.17 [-3.11, -1.23]	
Gan L 2015 Gao LS 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (95% CI)	9.02 10.06 9.1 10.12 10.19 10.97 7.98 7.23	1.3 1.79 1.2 1.76 1.03 1.34 0.18 2.08	43 48 40 52 48 54 56 46 387	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4	1.43 1.57 1.8 1.57 2.18 0.24 2.32	43 50 40 51 48 54 56 40 382	12.6% 12.4% 12.5% 12.8% 12.8% 12.4% 13.0% 11.9%	V. Random, 95% C -2.22 [-2.80, -1.64] -3.37 [-4.04, -2.70] -1.40 [-2.07, -0.73] -2.75 [-3.39, -2.11] -1.71 [-2.17, -1.25] -3.57 [-4.25, -2.88] -0.28 [-0.36, -0.20]	
Gan L 2015 Gao LS 2006 Hu ZW 2013 Li MM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (95% CI) Heterogeneity: Tau ² = :	9.02 10.06 9.1 10.12 10.19 10.97 7.98 7.23	1.3 1.79 1.2 1.76 1.03 1.34 0.18 2.08	43 48 40 52 48 54 56 46 387 05.59, d	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4	1.43 1.57 1.8 1.57 2.18 0.24 2.32	43 50 40 51 48 54 56 40 382	12.6% 12.4% 12.5% 12.8% 12.8% 12.4% 13.0% 11.9%	IV. Random, 95% C -2.22 [-2.80, -1.64] -3.37 [-4.04, -2.70] -1.40 [-2.07, -0.73] -2.75 [-3.39, -2.11] -1.71 [-2.17, -1.25] -3.57 [-4.25, -2.68] -0.28 [-0.36, -0.20] -2.17 [-3.11, -1.23]	. IV. Random. 95% Cl
Gan L 2015 Gao LS 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (95% CI)	9.02 10.06 9.1 10.12 10.19 10.97 7.98 7.23	1.3 1.79 1.2 1.76 1.03 1.34 0.18 2.08	43 48 40 52 48 54 56 46 387 05.59, d	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4	1.43 1.57 1.8 1.57 2.18 0.24 2.32	43 50 40 51 48 54 56 40 382	12.6% 12.4% 12.5% 12.8% 12.8% 12.4% 13.0% 11.9%	IV. Random, 95% C -2.22 [-2.80, -1.64] -3.37 [-4.04, -2.70] -1.40 [-2.07, -0.73] -2.75 [-3.39, -2.11] -1.71 [-2.17, -1.25] -3.57 [-4.25, -2.68] -0.28 [-0.36, -0.20] -2.17 [-3.11, -1.23]	I. IV. Random. 95% Cl
Gan L 2015 Gao LS 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (95% CI) Heterogeneity: Tau ^a = Test for overall effect: 2	9.02 10.06 9.1 10.12 10.19 10.97 7.98 7.23 2.30; CP Z = 3.96	1.3 1.79 1.2 1.76 1.03 1.34 0.18 2.08	43 48 40 52 48 56 46 387 (5.59, d 0.0001)	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32	43 50 40 51 48 54 56 40 382	12.6% 12.4% 12.5% 12.8% 12.8% 12.4% 13.0% 11.9%	V. Random. 95% C 222 [280, -164] -3.27 [4.04, -2.70] -1.40 [2.07, -0.16] -2.75 [-3.39, -2.11] -1.71 [-2.17, -1.25] -3.57 [4.25, -2.89] -0.28 [-0.36, -0.20] -2.17 [-3.11, -1.23] -2.17 [-3.25, -1.10]	IV. Random. 95% CI
Gan L 2015 Gao L 2006 Hu 2W 2013 Li WM 2009 Liang 'M 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (95% CI) Heterogeneity: Tau ² = Test for overall effect: ; (E)	9.02 10.06 9.1 10.12 10.19 10.97 7.98 7.23 2.30; CP Z = 3.96	1.3 1.79 1.2 1.76 1.03 1.34 0.18 2.08	43 48 40 52 48 54 56 46 387 05.59, d 0.0001)	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4	1.43 1.57 1.8 1.57 2.18 0.24 2.32	43 50 40 51 48 54 56 40 382	12.6% 12.4% 12.5% 12.8% 12.8% 12.4% 13.0% 11.9%	IV. Random, 95% C -2.22 [-2.80, -1.64] -3.37 [-4.04, -2.70] -1.40 [-2.07, -0.73] -2.75 [-3.39, -2.11] -1.71 [-2.17, -1.25] -3.57 [-4.25, -2.68] -0.28 [-0.36, -0.20] -2.17 [-3.11, -1.23]	IV. Random. 95% Cl
Gan L 2015 Gao L 2006 Hu 2W 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (95% CI) Heterogeneity: Tau ² = Test for overall effect: 2	9.02 10.06 9.1 10.12 10.19 10.97 7.98 7.23 2.30; Cł Z = 3.96	1.3 1.79 1.2 1.76 1.03 1.34 0.18 2.08 hi ² = 30 6 (P < 0	43 48 40 52 48 54 56 46 387 05.59, d 0.0001)	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4	1.43 1.57 1.8 1.57 2.18 0.24 2.32 < 0.0	43 50 40 51 48 54 56 40 382 0001);	12.6% 12.4% 12.4% 12.5% 12.8% 12.8% 13.0% 11.9%	IV. Random. 95% C -222 [280, 164] -337 [4.04, 2.70] -140 [2.07, 0.73] -275 [3.39, 2.11] -17 [4.27, 2.42] -3.57 [4.25, 2.89] -0.28 [0.36, 0.20] -2.17 [-3.25, -4.10] -4.17 [-3.25, -4.10] Mean Difference	IV. Random. 95% CI
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Limg YM 2007 Ling YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (85% CI) Heterogeneity: Tau ⁺ = Test for overall effect : (E) Study or Subgroup Gan L 2015 Gao LY 2009	9.02 10.06 9.1 10.12 10.19 10.97 7.98 7.23 2.30; CF Z = 3.96 GL Mean	1.3 1.79 1.2 1.76 1.03 1.34 0.18 2.08 hi ^p = 30 5 (P < 0 ED+R' SD	43 48 40 52 48 54 56 46 387 05.59, d 0.0001) T Total	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 ff = 7 (F	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 < 0.0 RT SD	43 50 40 51 48 54 56 40 382 0001);	12.6% 12.4% 12.4% 12.5% 12.8% 12.4% 13.0% 11.9% 100.0% P = 98%	W. Random. 95% C -222 (280164) -337 (4.64, 270) -140 (-207073) -275 (-339, 2-11) -171 (-217125) -357 (4-25, 2.89) -0.28 (-0.36, -0.20) -2.17 (-3.15, -1.10) -2.17 (-3.25, -1.10) Mean Difference IV. Random. 95% C	IV. Random. 95% Cl
Gan L 2015 Gao L 3 2006 Hu 2W 2013 Li WM 2009 Liang YM 2007 Taro L 2015 Wang LH 2014 Xu CH 2008 Total (95% CI) Heterogeneity: Tau" = : Test for overall effect: 2 (E) Study or Subgroup Gan L 2015 Gao L 7 2009 Hu 2W 2013	9.02 10.06 9.1 10.12 10.19 7.98 7.23 2.30; CF Z = 3.96 GL Mean 0.35 0.44 0.41	1.3 1.79 1.2 1.76 1.03 1.34 0.18 2.08 hi ² = 30 6 (P < 0 ED+R SD 0.04 0.01 0.05	43 48 40 52 48 54 56 46 387 05.59, d 0.0001) T Total 43 40 40	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 ff = 7 (F Mean 0.47 0.46 0.46	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 2 < 0.0 RT SD 0.04 0.04 0.04	43 50 40 51 48 56 40 382 0001); Total 43 40 40	12.6% 12.4% 12.4% 12.5% 12.8% 12.8% 13.0% 11.9% 100.0% P = 98% Weight 15.3% 15.7% 14.8%	N. Bandom. 955; C. -222 [280, 1.64] -337 [4.04, 2.70] -140 [207, 0.73] -171 [217, 1.25] -357 [425, 260] -028 [0.36, 0.20] -2.17 [-3.11, -1.23] -2.17 [-3.25, -1.10] Mean Difference IV. Random. 955; C. -0.12 [0.14, -0.10] -0.22 [0.03, 0.01] -0.12 [0.14, -0.10] -0.05 [0.07, -0.03]	IV. Random. 95% Cl
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (85% CI) Heterogeneity: Tau* = : Test for overall effect: : CE) Study or Subgroup Gao L 2015 Gao LY 2009 Hu ZW 2013 Lu RP 2009	9.02 10.06 9.1 10.12 10.19 10.97 7.98 7.23 2.30; Cł Z = 3.96 GL Mean 0.35 0.44 0.41 0.46	1.3 1.79 1.2 1.76 1.03 1.34 2.08 $h^{j^2} = 300$ 6 (P < 0 ED+R SD 0.04 0.05 0.04	43 48 40 52 48 54 56 46 387 55.59, d 0.0001) T Total 43 40 40 30	11.24 13.43 10.5 12.87 11.99 14.54 8.26 9.4 ff = 7 (F Mean 0.47 0.46 0.49	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 2 < 0.0 RT <u>SD</u> 0.04 0.04 0.05 0.05	43 50 40 51 48 54 40 382 382 0001); Total 43 40 40 40 31	12.6% 12.4% 12.4% 12.5% 12.8% 12.8% 13.0% 11.9% 100.0% P = 98% Weight 15.3% 15.7% 14.8% 14.7%	W. Random. 95%; C -222 [280, 1.64] -337 [4.64, 2.70] -140 [207, 0.73] -25 [3.39, 2.11] -1.71 [247, -1.25] -3.57 [4.25, 2.89] -0.28 [0.36, 0.21] -2.17 [3.11, -1.23] -2.17 [3.11, -1.23] -2.17 [3.12, 2.5, -1.10] Wean Difference IV. Random. 95%; C -0.12 [0.14, 0.10] -0.02 [-0.03, 0.01] -0.03 [-0.05, 0.01]	IV. Random. 95% Cl
Gan L 2015 Gao L 5 2006 Hu 2W 2013 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (95% CI) Heterogenetic, Tau ² = ; Test for overall effect ; (E) Study or Subgroup Gan L 2015 Gao L 2015 Gao L 2009 Hu 2W 2013 Lu RP 2009 Xu J 2012	9.02 10.06 9.1 10.12 10.19 10.97 7.98 7.23 2.30; CP Z = 3.96 GL Mean 0.35 0.44 0.41 0.46 0.43	1.3 1.79 1.2 1.76 1.03 1.34 0.08 2.08 hi ² = 30 0 (P < 0 0.04 0.01 0.05 0.04 0.04 0.04	43 48 40 52 48 56 46 15:59, d 15:59, d 16:50, d	11.24 13.43 10.5 12.87 11.9 9.4 ff = 7 (P <u>Mean.</u> 0.47 0.46 0.49 0.49 0.49	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 2 < 0.0 8 0.04 0.04 0.05 0.05 0.04	43 50 40 51 48 56 40 382 00001); Total 43 40 40 40 31 50	12.6% 12.4% 12.5% 12.5% 12.8% 12.8% 13.0% 11.9% 100.0% P = 98% Weight 15.3% 15.7% 14.8% 14.7%	W. Bandom. 95%. C -222 (280.164) -337 (40.2.70) -337 (40.2.70) -140 (207.073) -140 (207.073) -275 (3.39.21) -171 (217.125) -357 (425.260) -028 (0.36,020) -2.17 (-3.11,-123) -2.17 (-3.25,-1.10) -2.17 (-3.25,-1.10) Mean Difference IV. Bandom. 95%. -0.12 (-0.14,-0.10) -0.02 (-0.33,-0.01) -0.05 (-0.07,-0.03) -0.03 (-0.05,-0.01) -0.07 (-0.08,-0.05) -0.07,-0.03	IV. Random. 95% Cl
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (89% CI) Heterogeneity: Tau ⁺ = : Test for overall effect : (E) Study or Subgroup Gao L 2015 Gao L 2015 Gao L 2019 Hu ZW 2013 Liu RP 2009 Xia J 2012 Xia CH 2008	9.02 10.06 9.1 10.12 10.19 7.98 7.23 2.30; Cł Z = 3.96 GL Mean 0.35 0.44 0.41 0.46 0.43 0.37	$\begin{array}{c} 1.3\\ 1.79\\ 1.2\\ 1.76\\ 1.03\\ 1.34\\ 0.18\\ 2.08\\ \hline hi^{2}=30\\ 0.6\\ (P<0\\ 0.04\\ 0.01\\ 0.05\\ 0.04\\ 0.01\\ 0.04\\ 0.02\\ \end{array}$	43 48 40 52 48 56 46 46 387 55.59, d 55.59, d 50.0001) T Total 43 40 40 30 00 50 46	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 ff = 7 (F Mean 0.47 0.46 0.49 0.5 0.46	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 2<0.0 RT <u>SD</u> 0.04 0.05 0.05 0.05 0.024	43 50 40 51 48 54 56 40 382 0001); Total 43 40 40 31 50 40 40	12.6% 12.4% 12.4% 12.5% 12.8% 12.8% 13.0% 11.9% 100.0% P = 98% Weight 15.3% 15.7% 14.8% 14.7% 14.8% 8.4%	W. Random. 95%; C -222 [280, 1.64] -337 [4.64, 2.70] -140 [207, 0.73] -275 [-3.39, 2.11] -171 [2417, -125] -357 [4.25, 2.80] -0.26 [0.36, 0.21] -2.17 [-3.11, -1.23] -2.17 [-3.25, -1.10] -0.27 [-3.25, -1.10] -0.28 [0.36, 0.01] -0.28 [0.40, 0.01] -0.21 [0.40, 0.01] -0.02 [-0.03, 0.01] -0.03 [-0.05, 0.01] -0.03 [-0.05, 0.01] -0.03 [-0.05, 0.01] -0.07 [-0.09, 0.05] -0.07 [-0.09, 0.05] -0.07 [-0.08, 0.01] -0.07 [-0.08, 0.01] -0.07 [-0.08, 0.01] -0.07 [-0.08, 0.01] -0.07 [-0.08, 0.01] -0.07 [-0.08, 0.02]	IV. Random. 95% Cl
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (89% CI) Heterogeneity: Tau ⁺ = : Test for overall effect : (E) Study or Subgroup Gao L 2015 Gao L 2015 Gao L 2019 Hu ZW 2013 Liu RP 2009 Xia J 2012 Xia CH 2008	9.02 10.06 9.1 10.12 10.19 7.98 7.23 2.30; Cł Z = 3.96 GL Mean 0.35 0.44 0.41 0.46 0.43 0.37	1.3 1.79 1.2 1.76 1.03 1.34 0.08 2.08 hi ² = 30 0 (P < 0 0.04 0.01 0.05 0.04 0.04 0.04	43 48 40 52 48 56 46 15:59, d 15:59, d 16:50, d	11.24 13.43 10.5 12.87 11.9 9.4 ff = 7 (P <u>Mean.</u> 0.47 0.46 0.49 0.49 0.49	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 2<0.0 RT <u>SD</u> 0.04 0.05 0.05 0.05 0.024	43 50 40 51 48 56 40 382 00001); Total 43 40 40 40 31 50	12.6% 12.4% 12.5% 12.5% 12.8% 12.8% 13.0% 11.9% 100.0% P = 98% Weight 15.3% 15.7% 14.8% 14.7%	W. Bandom. 95%. C -222 (280.164) -337 (40.2.70) -337 (40.2.70) -140 (207.073) -140 (207.073) -275 (3.39.21) -171 (217.125) -357 (425.260) -028 (0.36,020) -2.17 (-3.11,-123) -2.17 (-3.25,-1.10) -2.17 (-3.25,-1.10) Mean Difference IV. Bandom. 95%. -0.12 (-0.14,-0.10) -0.02 (-0.33,-0.01) -0.05 (-0.07,-0.03) -0.03 (-0.05,-0.01) -0.07 (-0.08,-0.05) -0.07,-0.03	IV. Random. 95% Cl
Gan L 2015 Gao L 2 2006 Hu 2W 2013 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (95% CI) Heterogeneity: Tau [#] = 1 Test for overall effect : (E) Study or Subgroup Gan L 2015 Gao L 2005 Gao L 2005 Liu RP 2009 Xu CH 2009 Xu CH 2009 Zhong GN 2015 Total (95% CI)	9.02 10.06 9.1 10.12 10.19 10.97 7.23 2.30; Cr Z = 3.96 GL Mean 0.35 0.44 0.41 0.43 0.43 0.43	1.3 1.79 1.2 1.76 1.03 1.34 0.18 2.08 $hi^{\mu} = 300$ 6 (P < 0 0.04 0.01 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04	43 48 40 52 48 54 56 46 387 55.59, d 0.0001) 15.59, d 0.0001) 15.59, d 0.0001) 15.59, d 0.0001) 15.59, d 0.0001) 15.59, d 0.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.0001 10.00000 10.00000000	11.24 13.43 10.57 11.9 14.54 8.26 9.4 if = 7 (F Mean. 0.47 0.46 0.49 0.49 0.49 0.49 0.49 0.49 0.51	1.43 1.57 1.8 1.57 2.18 0.24 2.32 2 < 0.0 8 < 0.0 0.04 0.05 0.04 0.05 0.04 0.02 0.03	43 50 40 51 54 56 40 382 00001); 50 40 40 40 40 40 60 304	12.6% 12.4% 12.4% 12.5% 12.8% 13.0% 11.9% 100.0% P = 98% Weight 15.3% 15.7% 14.8% 14.7% 15.7% 15.7%	W. Random. 95%; C -222 [280, 1.64] -337 [4.64, 2.70] -140 [207, 0.73] -275 [-3.39, 2.11] -171 [2417, -125] -357 [4.25, 2.80] -0.26 [0.36, 0.21] -2.17 [-3.11, -1.23] -2.17 [-3.25, -1.10] -0.27 [-3.25, -1.10] -0.28 [0.36, 0.01] -0.28 [0.40, 0.01] -0.21 [0.40, 0.01] -0.02 [-0.03, 0.01] -0.03 [-0.05, 0.01] -0.03 [-0.05, 0.01] -0.03 [-0.05, 0.01] -0.07 [-0.09, 0.05] -0.07 [-0.09, 0.05] -0.07 [-0.08, 0.01] -0.07 [-0.08, 0.01] -0.07 [-0.08, 0.01] -0.07 [-0.08, 0.01] -0.07 [-0.08, 0.01] -0.07 [-0.08, 0.02]	IV. Random. 95% Cl
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (85% C) Heterogeneity: Tau* = : Test for overall effect: : CE) Study or Subgroup Gao L 2009 Hu ZW 2013 Lu RP 2009 Xia J 2012 Xia CH 2008 Zhong GN 2015 Total (95% C1) Heterogeneity: Tau* =	9.02 10.06 9.1 10.12 10.19 10.97 7.23 2.30; Cr Z = 3.96 GL Mean 0.35 0.44 0.41 0.46 0.43 0.43 0.43 0.43	1.3 1.79 1.26 1.76 1.76 1.76 1.34 0.18 2.08 hi ² = 30 6 (P < 0 0.04 0.02 0.04 0.02 0.04 hi ² = 10	43 48 40 52 48 54 56 46 387 75.59, d 0.0001) T Total 43 40 40 300 50 60 309 94.91, d	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 if = 7 (F Mean 0.47 0.46 0.49 0.46 0.49 0.46 0.49 0.51	1.43 1.57 1.8 1.57 2.18 0.24 2.32 2 < 0.0 8 < 0.0 0.04 0.05 0.04 0.05 0.04 0.02 0.03	43 50 40 51 54 56 40 382 00001); 50 40 40 40 40 40 60 304	12.6% 12.4% 12.4% 12.5% 12.8% 13.0% 11.9% 100.0% P = 98% Weight 15.3% 15.7% 14.8% 14.7% 15.7% 15.7%	W. Bandom. 955; C -222 [280, 1.64] -337 [4.04, 2.70] -140 [207, 0.73] -25 [3.39, 2.11] -17 [1, 217, 1.25] -357 [4.25, 2.89] -0.26 [0.36, 0.20] -217 [3, 12, 11, 1.23] -2.17 [3, 25, -1.10] -0.21 [0.14, 0.10] -0.22 [0.03, 0.01] -0.03 [0.06, 0.01] -0.03 [0.06, 0.01] -0.03 [0.06, 0.01] -0.07 [0.06, 0.02] -0.03 [0.06, 0.01] -0.07 [0.06, 0.02] -0.03 [0.06, 0.01] -0.07 [0.06, 0.02] -0.08 [0.08, 0.01]	IV. Random. 95% Cl
Gan L 2015 Gao L 5 2006 Hu 2W 2013 Li WM 2007 Taol. 2015 Wang LH 2014 Xu CH 2014 Xu CH 2008 Total (95% CI) Heterogeneity: Tau ⁴ = 1 Fest for overail effect : Gan L 2015 Gao L 7 2009 Hu 2W 2013 Lu RP 2009 Xu CH 2008 Zhong GN 2015 Total (95% CI) Heterogeneity: Tau ⁴ = 1 Test for overail effect :	9.02 10.06 9.1 10.12 10.19 10.97 7.23 2.30; Cr Z = 3.96 GL Mean 0.35 0.44 0.41 0.46 0.43 0.43 0.43 0.43	1.3 1.79 1.26 1.76 1.76 1.76 1.34 0.18 2.08 hi ² = 30 6 (P < 0 0.04 0.02 0.04 0.02 0.04 hi ² = 10	43 48 40 52 48 54 56 46 387 75.59, d 0.0001) T Total 43 40 40 300 50 60 309 94.91, d	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 if = 7 (F Mean 0.47 0.46 0.49 0.46 0.49 0.46 0.49 0.51	1.43 1.57 1.8 1.57 2.18 0.24 2.32 2 < 0.0 RT <u>SD</u> 0.04 0.04 0.05 0.05 0.04 0.02 0.03	43 50 40 51 54 56 40 382 00001); 50 40 40 40 40 40 60 304	12.6% 12.4% 12.4% 12.5% 12.8% 13.0% 11.9% 100.0% P = 98% Weight 15.3% 15.7% 14.8% 14.7% 15.7% 15.7%	W. Bandom. 955; C -222 [280.164] -337 [404, 270] -140 [207, 0.73] -25 [339, 211] -17 [17, 17, 125] -217 [425, 289] -026 [036, 020] -217 [411, -123] -217 [431, 425] -217 [432, 41, 10] -026 [043, 0.20] -030 [040, 001] -041 [014, 0.10] -041 [014, 0.10] -056 [040, 0.01] -056 [040, 0.01] -056 [040, 0.01] -068 [0408, 0.01] -068 [0408, 0.01]	Mean Difference M. Random. 95% Cl
Gan L 2015 Gan L 2006 Hu ZW 2013 Li WM 2009 Li MM 2009 Li MM 2009 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (85% C) Heterogeneity: Tau ⁺ = : Test for overall effect: : CE) Study or Subgroup Gan L 2015 Gan L 2015 Gan L 2015 Gan L 2015 Gan L 2015 Chall (85% C) Hu ZW 2013 Lin RP 2009 Xio J 2012 Xio L 2012 Xio L 2012 Zhong GN 2015 Total (85% C)	9.02 10.06 9.1 10.12 10.19 7.98 7.23 2.30; CH Z = 3.96 GEL 0.35 0.44 0.43 0.37 0.43 0.43 0.47 0.43	$\begin{array}{c} 1.3\\ 1.79\\ 1.2\\ 1.76\\ 1.03\\ 1.34\\ 2.08\\ 6 \ (P < 0\\ 0.18\\ 2.08\\ 6 \ (P < 0\\ 0.18\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0$	43 48 40 52 48 56 46 46 387 75.59, d 0.0001) 7 T Total 43 40 40 30 50 46 60 309 94.91, d 0.0001)	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 if = 7 (F Mean 0.47 0.46 0.49 0.46 0.49 0.46 0.49 0.51	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 -< 0.0 RT <u>SD</u> 0.04 0.05 0.05 0.04 0.22 0.03 -< 0.0	43 50 40 51 54 56 40 382 00001); 50 40 40 40 40 40 60 304	12.6% 12.4% 12.4% 12.5% 12.8% 13.0% 11.9% 100.0% P = 98% Weight 15.3% 15.7% 14.8% 14.7% 15.7% 15.7%	IV. Bandom. 95%.C -222 [280.164] -337 [4.04, 2.70] -40 [207, 0.73] -140 [207, 0.73] -171 [217, 1.25] -357 [425, 260] -02 [208, 6, 0.20] -2.17 [-3.11, -1.23] -2.17 [-3.25, -1.10] -0.21 [-0.14, -0.10] -0.12 [-0.14, -0.10] -0.12 [-0.14, -0.10] -0.05 [-0.07, -0.03] -0.06 [-0.09, -0.06] -0.06 [-0.09, -0.04]	Mean Difference M. Random. 95% Cl
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (895: CI) Heterogeneity: Tau' = : Test for overall effect: : CE) Study or Subgroup Gao L 2009 Hu ZW 2013 Lu RP 2009 Xia J 2012 Xia CH 2008 Zhong GN 2015 Total (895: CI) Heterogeneity: Tau' = : Test for overall effect: : CF)	9.02 10.06 9.1 10.12 10.19 7.98 7.23 2.30; CH Z = 3.96 GEL 0.35 0.44 0.43 0.37 0.43 0.43 0.47 0.43	1.3 1.79 1.2 1.76 1.03 1.34 0.18 2.08 $h^{j2} = 30$ 0.04 0.01 0.04 0.01 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05	43 48 40 52 48 56 46 387 55.59, d 40 40 40 40 40 40 40 40 60 50 50 60 60 50 50 50 50 50 50 50 50 50 50 50 50 50	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 if = 7 (F Mean 0.47 0.46 0.49 0.46 0.49 0.46 0.49 0.51	1.43 1.57 1.8 1.57 2.18 0.24 2.32 2 < 0.0 RT <u>SD</u> 0.04 0.04 0.05 0.05 0.04 0.02 0.03	43 50 40 51 48 56 60 40 382 0001); 50 40 40 40 40 40 40 40 40 40 40 31 50 40 001); 15 50 40 51 51 52 52 52 52 52 52 52 52 52 52 52 52 52	12.6% 12.4% 12.4% 12.5% 12.8% 13.0% 11.9% 100.0% P = 98% Weight 15.3% 15.7% 14.8% 14.7% 15.7% 15.7%	W. Bandom. 955; C -222 [280.164] -337 [404, 270] -140 [207, 0.73] -25 [339, 211] -17 [17, 17, 125] -217 [425, 289] -026 [036, 020] -217 [411, -123] -217 [431, 425] -217 [432, 41, 10] -026 [043, 0.20] -030 [040, 001] -041 [014, 0.10] -041 [014, 0.10] -056 [040, 0.01] -056 [040, 0.01] -056 [040, 0.01] -068 [0408, 0.01] -068 [0408, 0.01]	Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2007 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (85% C) Heterogeneity: Tau' = : Test for overall effect: : (E) Study or Subgroup Gao L 2009 Hu ZW 2013 Lu RP 2009 Xia J 2012 Xia CH 2008 Zhong GN 2015 Total (95% C) Heterogeneity: Tau' = : Test for overall effect: : (F)	9.02 10.06 9.1 10.12 10.19 7.98 7.23 2.30; Cr Z = 3.96 GLL Mean. 0.35 0.44 0.41 0.46 0.43 0.37 0.43 0.00; Cr Z = 4.39 0.00; Cr Z = 4.39 0.00; Cr Z = 4.39	1.3 1.79 1.2 1.76 1.03 1.34 0.18 2.08 $h^{j2} = 30$ 0.04 0.01 0.04 0.01 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05	43 48 40 52 48 56 46 387 55.59, d 40 40 40 40 40 40 40 40 60 50 50 60 60 50 50 50 50 50 50 50 50 50 50 50 50 50	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 ff = 7 (F 0.46 0.47 0.46 0.46 0.51 0.46 0.51 0.46 0.51	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 2 < 0.0 RT SD 0.04 0.04 0.04 0.04 0.04 0.04 0.02 0.03 2 < 0.0 RT SD 0.24 2 .02 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	43 50 40 51 48 56 60 40 382 0001); 50 40 40 40 40 40 40 40 40 40 40 31 50 40 001); 15 50 40 51 51 52 52 52 52 52 52 52 52 52 52 52 52 52	12.6% 12.4% 12.4% 12.4% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 13.0% 11.9% 100.0% № elight 15.3% 15.7% 14.8% 15.7% 15.4% 15.7%	W. Bandom. 95%.C -222 [280.164] -337 [404, 270] -140 [207, 073] -150 [207, 073] -25 [25, 280] -026 [40, 36, 020] -217 [311, 1.23] -217 [311, 1.23] -217 [32, 25, 41.10] -026 [40, 36, 020] -031 [40, 36, 020] -041 [40, 40, 10] -051 [407, 043] -051 [407, 043] -056 [407, 043] -056 [40, 9, 044] -068 [40, 9, 044] -068 [40, 9, 40, 404] -068 [40, 9, 40, 404] -068 [40, 9, 40, 404]	Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference
Gan L 2015 Gao L 2 2006 Hu 2W 2013 Li WM 2007 Li WM 2007 Total (914 2014 Xu CH 2014 Xu CH 2014 Xu CH 2016 Total (95% CI) Heteropeneity: Tau ⁴ = Gan L 2015 Gao L 7 2009 Hu 2W 2013 Lu RP 2009 Xu CH 2009 Xu CH 2009 Hu 2V09 Hu 2V09 Total (95% CI) Heteropeneity: Tau ⁴ = Test for overall effect; ; (F)	9.02 10.06 9.1 10.19 10.19 10.7 7.98 7.23 2.30; Cr Z = 3.96 GL 0.44 0.41 0.44 0.43 0.37 0.43 0.04; Cr Z = 4.39 0.00; Cr	1.3 1.79 1.2 1.76 1.03 1.34 2.08 $hi^{\mu} = 30$ 6 (P < 0 $hi^{\mu} = 30$ 6 (P < 0 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05	43 48 40 52 48 56 46 46 387 75.59, d 3001) 7 T Total 43 30 40 40 40 40 40 40 40 40 40 40 40 40 40	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 ff = 7 (F 0.46 0.47 0.46 0.46 0.51 0.46 0.51 0.46 0.51	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 < 0.0 RT <u>SD</u> 0.04 0.05 0.04 0.05 0.04 0.22 0.03 < 0.00 RT <u>SD</u> 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.24 2.32 SD 0.04 0.05 0.05 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD 0.05 SD SD SD SD SD SD SD SD SD SD	43 50 40 51 48 56 40 382 382 0001); 1 50 40 40 40 40 40 40 40 0001); 1 50 50 40 50 50 50 50 50 50 50 50 50 50 50 50 50	12.6% 12.4% 12.4% 12.4% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.4% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 11.9% 11.9% 11.9% 15.7% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 15.7% 10.00.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0%	N. Bandom. 95% C -222 [280.164] -337 [4.04, 2.70] -40 [207, 0.73] -140 [207, 0.73] -17 [3, 17, 1.25] -357 [4.25, 2.80] -02 [6.36, 0.20] -2.17 [-3.11, -1.23] -2.17 [-3.25, -1.10] Mean Difference IV. Bandom. 95% C -0.12 [0.14, -0.10] -0.05 [-0.07, -0.03] -0.06 [-0.09, -0.05] -0.06 [-0.09, -0.06] -0.06 [-0.09, -0.04] Mean Difference IV. Bandom. 95% C	Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (85% C) Heterogeneity: Tau* = : Test for overall effect: : C(E) Study or Subgroup Gao L 2009 Hu ZW 2013 Liang YM 2007	9.02 10.06 9.1 10.19 10.19 10.7 7.98 7.23 2.30; Cr Z = 3.96 GL 0.44 0.41 0.44 0.43 0.37 0.43 0.04; Cr Z = 4.39 0.00; Cr	1.3 1.76 1.2 1.76 1.03 1.34 2.08 $p_1^{12} = 30$ 6 (P < 0 6 (P < 0 0.04 0.05 0.04 0.02 0.04 $p_1^{12} = 10$ 0 (P < 0 0 (P < 0)))))))))))))))))))))))))))))))))))	43 48 40 52 48 54 56 46 46 0.0001) T Total 43 40 40 40 40 40 40 50 0.0001) T T Total 5 5 9, d 6 0 5 0 9 4 9 4 9 4 8 4 7 4 8 4 7 5 5 9, d 0 5 5 9, d 0 5 5 9, d 0 5 5 9, d 0 5 5 9, d 0 5 5 9, d 0 5 5 9, d 0 5 5 9, d 0 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 ff = 7 (F 0.46 0.47 0.46 0.46 0.51 0.46 0.51 0.46 0.51	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 2 < 0.0 RT SD 0.04 0.04 0.04 0.04 0.04 0.04 0.02 0.03 2 < 0.0 RT SD 0.24 2 .02 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	43 500 400 511 488 54 400 382 200001); 70001); 500 400 400 400 400 400 400 400 400 400	12.6% 12.4% 12.4% 12.5% 12.8% 11.9% 100.0% Weight 15.3% 15.7% 15.7% 100.0% P = 98% Weight 5.5.7% 100.0% P = 94%	N. Bandom. 955; C. 222 [280.164] -337 [440, 2.70] -40 [207, 0.73] -140 [207, 0.73] -25 [339, 2:11] -17 [217, 1:25] -357 [425, 289] -028 [-0.36, -0.20] -217 [311, -1.23] -2.17 [-3.15, -1.10] -012 [-0.14, -0.10] -024 [-0.36, -0.20] -030 [-0.05, -0.01] -030 [-0.05, -0.01] -030 [-0.05, -0.01] -0.06 [-0.09, -0.04] Mean Difference IV, Random, 955; C. -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] Mean Difference IV, Bandom, 955; C. -0.06 [-0.09, -0.04]	Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference
Gan L 2015 Gan L 2006 Hu ZW 2013 LiMp 2003 LiMp 2013 LiMp 2014 2014 Xu CH 2008 Yang LH 2014 Xu CH 2008 Test for overall effect: 2 CE Study or Subgroup Gan L 2015 Gan L 2015 Gan L 2015 Gan L 2015 Gan L 2015 Gan L 2015 Chall (95% CI) Heterogeneity: Tau ² = 1 Test for overall effect: 2 CF Study or Subgroup Hu ZW 2013 Ling YM 2007 Total (95% CI)	9.02 10.06 9.1 10.19 10.79 7.23 2.30; Cf 7.23 2.30; Cf 7.23 2.30; Cf 7.23 2.30; Cf 7.23 0.35 0.44 0.35 0.44 0.35 0.44 0.45 0.37 0.43 0.07 0.43 0.07 0.43 0.07 0.43 0.07 0.19 0.19 0.07 0.19 0.07 0.07 0.07 0.07 0.07 0.07 0.07 0.0	$\begin{array}{c} 1.3\\ 1.79\\ 1.2\\ 1.76\\ 1.03\\ 0.18\\ 2.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0$	43 48 40 52 48 54 56 6 38 7 35.59, d 40 30 00001) T T Total 40 309 94.91, d 0.0001) T T Total 40 40 40 40 40 40 40 40 40 40 40 40 40	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 if = 7 (F 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.46	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 - < 0.0 RT <u>SD</u> 0.04 0.24 0.04 0.04 0.05 0.04 0.02 0.03 - < 0.0 RT <u>SD</u> 0.23 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.22 0.04 0.22 0.03 0.22 0.23 0.24 0.24 0.22 0.04 0.22 0.03 0.23 0.23 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.22 0.23 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.23 0.36 0.24 0.25 0.23 0.23 0.23 0.24 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0 0 0 0 0 0 0 0 0 0 0 0 0	43 500 400 511 488 43 400 400 382 430 400 400 304 400001); 500 400 400 304 400001); 500 400 400 400 400 400 400 400 400 400	12.6% 12.4% 12.4% 12.4% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 11.9% 10.0% 11.9% 10.0% 11.9% 10.0% 11.9% 14.7% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 10.0% 14.7% 15.4% 15.3% 10.0% 14.8% 14.8% 14.8% 15.3% 10.0% 14.8% 15.4% 15.4% 15.4% 10.0% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 1	N. Bandom. 955; C -222 [280, 1:64] -337 [4:04, 2.70] -140 [207, 0.73] -150 [207, 0.73] -257 [3:39, 2:11] -17 [1:217, 1:25] -357 [4:25, 2:89] -0.28 [0:36, 0.20] -28 [1:1, 1:23] -2.17 [-3.15, -1.10] -0.21 [0:14, 0:10] -0.22 [0:03, 0.01] -0.03 [0:06, 0.01] -0.03 [0:06, 0.01] -0.04 [0:08, 0.01] -0.05 [0:08, 0.01] -0.06 [-0.09, -0.04] Mean Difference (W, Bandom, 955; C -0.06 [-0.09, -0.04]	Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference Mean Difference
Gan L 2015 Gao L 2 2006 Hu ZW 2013 LiMp YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Wang LH 2014 Xu CH 2008 Test for overall effect: 2 Gen L 2005 Gao L 7 2009 Hu ZW 2013 Zhong GN 2015 Gao L 7 2009 Hu ZW 2013 Zhong GN 2015 Total (95% CI) Heterogenetic; Tau ² = 1 Test for overall effect: 2 (F) Study or Subgroup Hu ZW 2013 Ling YM 2007 Total (95% CI) Heterogenetic; Tau ² = 1 Test for overall effect: 2 Total (95% CI)	9.02 10.06 9.1 10.19 10.79 7.23 2.30; Cf 7.23 2.30; Cf 7.23 2.30; Cf 7.23 2.30; Cf 7.23 0.35 0.44 0.35 0.44 0.35 0.44 0.45 0.37 0.43 0.07 0.43 0.07 0.43 0.07 0.43 0.07 0.19 0.19 0.07 0.19 0.07 0.07 0.07 0.07 0.07 0.07 0.07 0.0	$\begin{array}{c} 1.3\\ 1.79\\ 1.2\\ 1.76\\ 1.03\\ 0.18\\ 2.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0$	43 48 40 52 48 54 56 6 38 7 35.59, d 40 30 00001) T T Total 40 309 94.91, d 0.0001) T T Total 40 40 40 40 40 40 40 40 40 40 40 40 40	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 if = 7 (F 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.46	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 - < 0.0 RT <u>SD</u> 0.04 0.24 0.04 0.04 0.05 0.04 0.02 0.03 - < 0.0 RT <u>SD</u> 0.23 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.22 0.04 0.22 0.03 0.22 0.23 0.24 0.24 0.22 0.04 0.22 0.03 0.23 0.23 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.22 0.23 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.23 0.36 0.24 0.25 0.23 0.23 0.23 0.24 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0 0 0 0 0 0 0 0 0 0 0 0 0	43 500 400 511 488 43 400 400 382 430 400 400 304 400001); 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Bandom. 955; C. 222 [280.164] -337 [440, 2.70] -40 [207, 0.73] -140 [207, 0.73] -25 [339, 2:11] -17 [217, 1:25] -357 [425, 289] -028 [-0.36, -0.20] -217 [311, -1.23] -2.17 [-3.15, -1.10] -012 [-0.14, -0.10] -024 [-0.36, -0.20] -030 [-0.05, -0.01] -030 [-0.05, -0.01] -030 [-0.05, -0.01] -0.06 [-0.09, -0.04] Mean Difference IV, Random, 955; C. -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] Mean Difference IV, Bandom, 955; C. -0.06 [-0.09, -0.04]	Mean Difference M. Random. 95% Cl Mean Difference M. Random. 95% Cl Mean Difference M. Random. 95% Cl Mean Difference M. Random. 95% Cl Mean Difference M. Random. 95% Cl
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (89% C) Heterogeneity: Tau' = : Test for overall effect: : (E) Study or Subgroup Gao L 2009 Hu ZW 2013 Liang VM 2015 Total (89% C) Heterogeneity: Tau' = : Test for overall effect: : (F) Study or Subgroup Hu ZW 2013 Liang YM 2007 Total (89% C)	9.02 10.06 9.1 10.19 10.79 7.23 2.30; Cf 7.23 2.30; Cf 7.23 2.30; Cf 7.23 2.30; Cf 7.23 0.35 0.44 0.35 0.44 0.35 0.44 0.45 0.37 0.43 0.07 0.43 0.07 0.43 0.07 0.43 0.07 0.19 0.19 0.07 0.19 0.07 0.07 0.07 0.07 0.07 0.07 0.07 0.0	$\begin{array}{c} 1.3\\ 1.79\\ 1.2\\ 1.76\\ 1.03\\ 0.18\\ 2.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.08\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0$	43 48 40 52 48 54 56 6 38 7 35.59, d 40 30 00001) T T Total 40 309 94.91, d 0.0001) T T Total 40 40 40 40 40 40 40 40 40 40 40 40 40	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 if = 7 (F 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.46	1.43 1.57 1.8 1.57 1.25 2.18 0.24 2.32 - < 0.0 RT <u>SD</u> 0.04 0.24 0.04 0.04 0.05 0.04 0.02 0.03 - < 0.0 RT <u>SD</u> 0.23 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.22 0.04 0.22 0.03 0.22 0.23 0.24 0.24 0.22 0.04 0.22 0.03 0.23 0.23 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.22 0.23 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.23 0.36 0.24 0.25 0.23 0.23 0.23 0.24 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0 0 0 0 0 0 0 0 0 0 0 0 0	43 500 400 511 488 43 400 400 382 430 400 400 304 400001); 500 400 400 304 400001); 500 400 400 400 400 400 400 400 400 400	12.6% 12.4% 12.4% 12.4% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 12.8% 11.9% 10.0% 11.9% 10.0% 11.9% 10.0% 11.9% 14.7% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 15.3% 10.0% 14.7% 15.4% 15.3% 10.0% 14.8% 14.8% 14.8% 15.3% 10.0% 14.8% 15.4% 15.4% 15.4% 10.0% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 14.8% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 1	N. Bandom. 955; C. 222 [280.164] -337 [440, 2.70] -40 [207, 0.73] -140 [207, 0.73] -25 [339, 2:11] -17 [217, 1:25] -357 [425, 289] -028 [-0.36, -0.20] -217 [311, -1.23] -2.17 [-3.15, -1.10] -012 [-0.14, -0.10] -024 [-0.36, -0.20] -030 [-0.05, -0.01] -030 [-0.05, -0.01] -030 [-0.05, -0.01] -0.06 [-0.09, -0.04] Mean Difference IV, Random, 955; C. -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] Mean Difference IV, Bandom, 955; C. -0.06 [-0.09, -0.04]	Mean Difference IV. Random. 95% Cl Mean Difference IV. Random. 95% Cl IV. Random. 95% Cl
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (85% C) Heterogeneity: Tau' = : Test for overall effect: : (E) Study or Subgroup Gao L 2009 Hu ZW 2013 Lus RP 2009 Xia J 2012 Xia J 2012 Xia CH 2008 Zhong GN 2015 Total (85% C) Heterogeneity: Tau' = : Test for overall effect: : (F) Study or Subgroup Hu ZW 2013 Liang YM 2007 Total (85% C) Heterogeneity: Tau' = : Test for overall effect: : (G)	9.02 10.06 9.1 10.19 10.19 10.9 7.98 7.23 2.30; Cr Z = 3.96 GL Mean. 0.35 Z = 4.39 0.00; Cr Z = 4.39 GL Mean. 1.57 1.97 0.08; Cr Z = 1.76 GL Mean.	1.3 1.79 1.2 1.76 1.2 1.76 1.31 1.33 1.34 0.18 2.08 $h^{\mu} = 30$ 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.02 0.04 h^{\mu} = 100 0.04 0.02 0.02 0.27 h^{\mu} = 230 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02	43 48 40 50 50 50 50 50 50 50 50 50 50 50 50 50	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 # f = 7 (F 0.46 0.47 0.46 0.47 0.46 0.51 0.46 0.51 1.73 2.53 = 1 (P	1.43 1.57 1.8 1.57 1.8 1.57 2.18 0.24 2.32 3 < 0.0 0.04 0.04 0.24 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04	43 500 511 48 56 56 40 382 20001); 50 40 40 40 40 60 304 0001); 1 7 0 1 1 50 60 40 40 88 8001); 1 2	12.8% 12.4% 12.4% 12.4% 12.5% 12.5% 13.0% 11.9% P = 98% Weight 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 10.0.0% P = 94%	N. Bandom. 95%.C -222 [280.164] -337 [404, 270] -40 [207, 073] -140 [207, 073] -140 [207, 073] -140 [207, 073] -1539, 211] -171 [217, 125] -357 [425, 280] -028 [036, 020] -2.17 [3.11, 123] -2.17 [3.25, -1.10] Mean Difference IV. Random. 95%.C -0.12 [014, 0.10] -0.05 [0.07, 0.03] -0.05 [0.07, 0.03] -0.06 [-0.09, -0.04] Mean Difference IV. Random. 95%.C -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] -0.36 [-0.75, 0.03] -0.36 [-0.75, 0.03]	Mean Difference Mean Difference
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 TooL 2015 Wang LH 2014 Xu CH 2008 Wang LH 2014 Xu CH 2008 (E) Study or Subgroup Gan L 2015 Total (95% CI) Heterogeneity: Tau ⁺ = 1 Gan L 2015 Gan L 2015 Charl 2015 Zhong GN 2015 Total (95% CI) Heterogeneity: Tau ⁺ = 1 Test for overall effect : (F) Study or Subgroup Hu ZW 2013 Liang YM 2007 Total (95% CI) Heterogeneity: Tau ⁺ = 1 Test for overall effect : (G)	9.02 9.02 10.06 10.06 10.12 10.19 10.97 7.98 7.23 2.30; Cr Z = 3.96 GL Mean 0.35 0.44 0.43 0.37 0.43 0.03; Cr Z = 4.39 GL Mean 1.57 1.97 0.08; Cr Z = 1.79 GL Mean	1.3 1.79 1.2 1.76 1.2 1.76 1.3 1.34 0.18 2.08 $e^{12} = 300$ $e^{12} = 300$ e^{1	43 48 40 50 50 50 50 50 50 50 50 50 50 50 50 50	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 ff = 7 (F 0.46 0.49 0.49 0.49 0.46 0.49 0.46 0.49 0.46 0.51 1.73 2.53 = 1 (P	1.43 1.57 1.8 1.57 1.8 1.57 2.18 0.24 2.32 2.32 2.32 2.32 0.04 0.04 0.02 0.04 0.02 0.03 0.23 0.36 < 0.00 RT SD 0.23 0.36 < 0.00 RT SD 0.23 0.36 < 0.00 RT SD 0.23 0.36 C SD 0.23 0.36 C SD 0.23 C SD 0.36 C SD 0.36 C SD 0.36 SD 0.36 C SD 0.36 C SD 0.36 C SD 0.36 C SD 0.36 C SD 0.36 C SD 0.04 0.04 0.05 C SD 0.04 0.05 C SD 0.04 C SD 0.04 C SD 0.04 C SD 0.036 C SD 0.36 C SD 0.36 C SD 0.36 C SD 0.36 C SD 0.36 C SD 0.36 C SD 0.000 C SD 0.000 SD SD C SD SD SD SD SD SD SD SD SD SD	43 500 511 48 56 56 40 382 20001); 50 40 40 40 40 60 304 0001); 1 7 0 1 1 50 60 40 40 88 8001); 1 2	12.8% 12.4% 12.4% 12.4% 12.5% 12.5% 12.8% 13.0% 11.9% P = 98% Weight 15.3% 14.7% 15.4% 15.7% 14.7% 14.7% 14.7% 15.4% 15.3% 14.7% 14.7% 15.3% 15.3% 10.0% P = 98% Weight 10.0% Weight 10.0% Weight 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0%	N. Bandom. 95% C -222 [280.164] -337 [4.04, 2.70] -40 [207, 0.73] -140 [207, 0.73] -176 [217, 1.25] -357 [4.25, 2.60] -02 [0.36, 0.00] -2.17 [-3.11, -1.23] -2.17 [-3.14, -1.10] Mean Difference IV. Bandom. 95% C -0.12 [0.14, -0.10] -0.05 [-0.07, -0.03] -0.06 [-0.09, -0.05] -0.06 [-0.09, -0.06] -0.06 [-0.09, -0.04] Mean Difference IV. Random. 95% C -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] -0.36 [-0.75, 0.03] -0.36 [-0.75, 0.03]	Mean Difference Mean Difference
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (85% C) Heterogeneity: Tau' = : Test for overall effect: : (E) Study or Subgroup Gao L 2015 Gao L 2015 Gao L 2019 Hu ZW 2013 Ling YM 2007 Total (85% C) Heterogeneity: Tau' = : Test for overall effect: : (G) Study or Subgroup Gao L 2015 Gao L 2015 Total (85% C) Hu ZW 2013 Ling YM 2007 Total (85% C) Heterogeneity: Tau' = : Test for overall effect: : (G)	9.02 9.02 9.01 10.06 10.07 10.12 10.19 10.97 7.98 7.23 2.30; Cr2 2.30; Cr2 2.30; Cr2 2.30; Cr2 2.30; Cr2 0.35 0.43 0.035 0.43 0.037 0.43 0.037 0.43 0.05; Cr2 1.57 1.97 0.08; Cr2 2.7, 1.97 0.08; Cr2 2.1, 1.97 0.08; Cr2 2.1, 1.97 0.08; Cr2 2.2, 1.99 0.08; Cr2 2.2, 1.99 0.08; Cr2 0.2, 2, 1.99 0.08; Cr2 0.2, 2, 1.99 0.08; Cr2 0.2, 2, 1.99 0.08; Cr2 0.08; Cr2	1.3 1.79 1.2 1.76 1.2 1.76 1.31 1.33 1.34 0.18 2.08 ED+R SD 0.22 0.27 hi ² = 23 0.75 0.22 0.27 hi ² = 23 0.27 hi ² = 23 0.34	43 48 48 40 52 48 48 54 46 387 75.59, d 46 40 40 40 40 40 40 40 40 40 40 40 40 40	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 if = 7 (F Mean. 1.73 2.53 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	1.43 1.57 1.8 1.57 1.8 1.57 2.18 0.24 2.32 0.04 2.32 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.5 0.	43 500 40 51 48 48 54 6 6 40 382 0001); 1 7 0001); 1 7 0001); 1 7 0001); 1 7 0001); 1 7 0001); 1 7 7 0001; 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	12.8% 12.4% 12.4% 12.4% 12.5% 12.5% 12.8% 13.0% 11.9% Weight 15.3% 15.7% 15.7% 15.7% 15.7% 100.0% P = 98% Weight 10.0% P = 96% Weight 10.0% P = 96% Weight 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0	N. Bandom, 95% C. -222 [280, 1.64] -337 [4.04, 2.70] -40 [207, 0.73] -140 [207, 0.73] -140 [207, 0.73] -17 [2, 17, 1.25] -357 [4.25, 2.80] -028 [-0.36, 0.20] -2.17 [-3, 11, -1, 23] -2.17 [-3, 25, -1, 10] Mean Difference IV. Random, 95% C. -0.12 [-0, 14, 0, -10] -0.05 [-0, 07, -0.03] -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] -0.36 [-0.75, 0.03] -0.36 [-0.75, 0.03] Mean Difference IV. Random, 95% C. -0.36 [-0.75, 0.03] -0.36 [-0.75, 0.03]	Mean Difference Mean Difference
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2007 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 (E) Study or Subgroup Gan L 2015 Gan L 2015 Total (95% C) Heterogeneity: Tau' = 1 Test for overall effect : (F) Study or Subgroup Hu ZW 2013 Liang YM 2007 Total (95% C) Heterogeneity: Tau' = 1 Test for overall effect : (G) Study or Subgroup Gan L 2015 Heterogeneity: Tau' = 1 Test for overall effect :	9.02 9.02 10.06 10.07 10.12 10.19 10.97 7.98 7.23 2.30; Cr Z = 3.96 GL Mean 0.35 0.44 0.43 0.37 0.43 0.03; Cr Z = 4.39 GL Mean 1.57 1.97 0.08; Cr Z = 1.79 0.08; Cr Z = 1.79 0.08; Cr Z = 1.79	$\begin{array}{c} 1.3\\ 1.79\\ 1.2\\ 1.7\\ 1.2\\ 1.7\\ 1.2\\ 1.7\\ 1.2\\ 1.7\\ 1.3\\ 1.34\\ 2.08\\ 0.18\\ 2.08\\ 0.18\\ 2.08\\ 0.18\\ 2.08\\ 0.18\\ 2.08\\ 0.18\\ 0.18\\ 0.18\\ 0.18\\ 0.18\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.0$	43 48 48 40 52 48 46 56 56 56 56 56 56 56 56 56 56 56 56 56	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 ff = 7 (F Mean 1.73 2.53 = 1 (P Mean 3.35 4.2	1.43 1.57 1.8 1.57 1.8 1.57 2.18 0.24 2.32 2.32 2.32 2.32 0.00 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.03 0.36 <0.00 RT <u>SD</u> 0.36 0.36	43 500 40 40 51 48 48 54 65 56 40 382 20001); 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Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (85% C) Heterogeneity: Tau' = : Test for overall effect: : C(E) Study or Subgroup Gao L 2009 Hu ZW 2013 Ling YM 2007 Total (85% C) Heterogeneity: Tau' = : Test for overall effect: : C(F) Study or Subgroup Hu ZW 2013 Ling YM 2007 Total (85% C) Heterogeneity: Tau' = : Test for overall effect: : C(G)	9.02 9.02 9.01 10.06 10.07 10.12 10.19 10.97 7.23 7.23 2.30; Cr2 2.30; Cr2 2.30; Cr2 0.35 0.43 0.37 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.43 0.037 0.27 0.037 0.43 0.037 0.43 0.037 0.27 0.03 0.03 0.03 0.03 0.03 0.037 0.43 0.037 0.03 0.03 0.03 0.03 0.03 0.03 0.	$\begin{array}{c} 1.3\\ 1.79\\ 1.2\\ 1.76\\ 1.2\\ 1.76\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.$	43 48 48 40 52 48 48 54 46 387 75.59,d 46 40 40 40 40 40 40 40 40 40 40 40 40 40	11.24 13.43 10.57 12.87 12.87 14.54 8.26 9.4 ff = 7 (F Mean 0.47 0.46 0.46 0.46 0.49 0.51 ff = 6 (F Mean 1.73 2.53 = 1 (P - Mean 3.35 4.22 4.63	1.43 1.57 1.8 1.57 1.8 1.57 2.18 0.24 2.32 2.32 2.32 2.32 2.32 0.24 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.05 0.02 0.05 0.02 0.05 0.02 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04 0.05 0.04 0.05 0.04 0.05 0.02 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.03 0.04 0.04 0.05 0.02 0.03 0.04 0.05 0.04 0.05 0.02 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.	43 500 40 51 48 48 54 40 382 0001); 1 7 0001); 1 7 0001); 1 7 0001); 1 7 0001); 1 7 7 0001); 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	12.6% 12.4% 12.4% 12.4% 12.5% 12.5% 12.8% 13.0% 11.9% № elght 15.3% 100.0% № elght 15.7% 100.0% № elght 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0%	N. Bandom. 955; C. -222 [280.164] -337 [404, 2.70] -140 [207, 0.73] -25 [339, 2:11] -17 [317, 1:25] -217 [341, 1.73] -217 [341, 1.73] -217 [32, 2:41] -0.82 [036, 0.26] -0.25 [04, 4, 0.10] -0.05 [0.07, 0.03] -0.03 [-0.07, 0.03] -0.03 [-0.07, 0.03] -0.05 [-0.07, 0.03] -0.06 [-0.09, -0.04] Mean Difference IV. Random. 955; C. -0.05 [-0.07, 0.03] -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] Mean Difference IV. Random. 955; C. -0.16 [-0.28, -0.06] -0.56 [-0.59, -0.03] -0.36 [-0.75, -0.03] -0.36 [-0.75, -0.03] -0.36 [-0.73, -0.45] -0.37 [-0.73, -0.45] -0.37 [-0.73, -0.45]	Mean Difference Mean Difference
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2007 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 (E) Study or Subgroup Gan L 2015 Gan L 2015 Gan L 2015 Gan L 2015 Gan L 2015 Chat Gay Chat Chat Gay Chat Chat Gan L 2015 Table Chat Chat Chat Chat Chat Chat Chat Chat	9.02 9.02 9.01 10.06 9.01 10.12 10.19 7.23 7.23 7.23 7.23 7.23 7.23 7.23 7.23	$\begin{array}{c} 1.3\\ 1.79\\ 1.2\\ 1.7\\ 1.2\\ 1.7\\ 0.6\\ 0.6\\ 0.7\\ 0.1\\ 0.7\\ 0.7\\ 0.7\\ 0.7\\ 0.7\\ 0.7\\ 0.7\\ 0.7$	43 48 48 48 49 52 55 55 55 55 55 55 55 55 55 55 46 40 40 40 40 40 40 40 40 40 40 40 40 40	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 ff = 7 (F Mean 0.47 0.47 0.47 0.47 0.49 0.5 0.46 0.49 0.5 1 1.73 2.53 3.35 4.2 4.63 3.35 5.57	1.43 1.57 1.8 1.57 1.8 1.57 2.18 1.57 2.18 0.24 2.32 0.24 0.24 0.24 0.24 0.04 0.05 0.05 0.05 0.05 0.00 0.05 0.00 0.05 0.00 0.22 0.03 0.36 0.36 0.32 1.31 1.57 1.25 1.25 2.18 0.24 2.32 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.25 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.25 0.05 0.05 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.04 0.05 0.04 0.05 0.05 0.05 0.04 0.05 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.	43 500 51 51 54 54 48 54 40 382 0001); 50 60 40 40 40 40 40 40 40 40 60 304 40 60 0001); 1 7 7 0 7 1 7 1 8 8 8 8 8 8 8 8 9 8 9 9 9 9 9 9 1 1 9 1 9	12.8% 12.4% 12.4% 12.4% 12.5% 12.5% 12.8% 11.9% P = 98% Weight 15.3% 14.8% P = 98% Weight 15.7% 14.7% 14.7% 15.4% 15.7% 14.7% 14.7% 15.3% 15.3% 15.3% 10.0% P = 98% Weight 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7%	N. Bandom. 95% C -222 (280 1.64) -337 (4.04, 2.70) -140 (207, 0.73) -140 (27, 0.73) -171 (217, 1.25) -357 (4.25, 2.60) -02 (203, 6, 0.20) -2.17 (-3.11, -1.23) -2.17 (-3.11, -1.23) -2.17 (-3.14, -0.10) -0.12 (-0.14, -0.10) -0.12 (-0.14, -0.10) -0.05 (-0.07, -0.03) -0.06 (-0.09, -0.05) -0.06 (-0.09, -0.06) -0.06 (-0.09, -0.07) -0.06 (-0.09, -0.07) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.37 (-1.45) <td>Mean Difference Mean Difference</td>	Mean Difference Mean Difference
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (95% CI) Heteroganeity: Tau' = : Test for overall effect: : (E) Study or Subgroup Gao L 2015 Gao L 2015 Gao L 2015 Gao L 2015 Total (95% CI) Heteroganeity: Tau' = : Test for overall effect: : (F) Study or Subgroup Hu ZW 2013 Ling YM 2007 Total (95% CI) Heteroganeity: Tau' = : Test for overall effect: : (G) Study or Subgroup Gan L 2015 Het Z019 Hu ZW 2013 Ling YM 2007 Total (95% CI) Heteroganeity: Tau' = :	9.02 9.02 9.02 10.66 10.79 10.97 7.98 7.23 2.30; CrC 2 = 3.96 GL Maan 0.35 0.43 0.37 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.43	$\begin{array}{c} 1.3\\ 1.79\\ 1.2\\ 1.76\\ 1.2\\ 1.76\\ 1.03\\ 1.34\\ 2.08\\ \hline \end{array}$	43 48 48 48 54 55 46 46 46 46 46 40 40 40 40 40 40 40 40 40 40 40 40 40	11.24 13.43 12.87 12.87 12.87 14.54 8.26 9.4 ff = 7 (F Mean 0.47 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.47 1.19 9.4 ff = 7 (F Mean 1.73 2.53 1.53 1.53 1.53 1.53 1.55 1.53 1.53 1.53 1.55 1.53 1.53 1.55 1.53 1.55 1.53 1.55 1.53 1.55 1.53 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55	1.43 1.57 1.8 1.57 1.8 1.57 1.25 2.18 0.24 2.32 2.32 2.32 2.32 2.32 0.24 0.24 0.24 0.04 0.04 0.05 0.04 0.02 0.03 0.36 0.32 1.31 0.54 1.57 1.55 1.55 1.25 2.18 0.24 2.32 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.25 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.25 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.04 0.22 0.36 0.36 0.32 1.31 0.54 0.55 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.	43 50 40 51 54 54 43 56 40 382 20001); 50 60 304 40 40 40 40 60 304 40 60 304 40 60 51 50 60 60 51 51 51 60 60 51 51 54 54 43 43 43 43 43 43 43 43 43 43 44 66 66 66 61 51 51 51 51 51 51 51 54 54 54 54 54 54 54 54 54 54 54 54 54	12.6% 12.4% 12.4% 12.4% 12.5% 12.5% 12.5% 11.9% № elght. 15.3% 11.9% № elght. 15.7% 100.0% № elght. 14.8% 0.55.5% 49.5% 100.0% ₩ elght. 17.7% 100.0% 10.7.7% 10.7.7% 10.7.7% 12.9% 10.7.7% 12.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7% 10.7.7	N. Bandom, 95% C -222 [280, 1.64] -337 [4.04, 2.70] -40 [207, 0.73] -140 [207, 0.73] -140 [207, 0.73] -17 [3, 17, 1.25] -357 [4.25, 2.80] -028 [-0.36, 0.20] -2.17 [-3, 12, -1, 123] -2.17 [-3, 25, -1, 10] Mean Difference IV. Random, 95% C -0.12 [-0.14, 0. 10] -0.05 [-0.07, 0.03] -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] -0.16 [-0.26, -0.06] -0.16 [-0.75, 0.03] -0.36 [-0.75, 0.03] -0.36 [-0.77, -0.37] -0.36 [-0.77, -0.73] -0.37 [-1.14 [-1.62, -0.66] -0.38 [-1.6, 0.80]	Mean Difference Mean Difference
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2007 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 (E) Study or Subgroup Gan L 2015 Gan L 2015 Total (95% C) Heterogeneity: Tau' = 1 Test for overall effect : (F) Study or Subgroup Hu ZW 2013 Liang YM 2007 Total (95% C) Heterogeneity: Tau' = 1 Test for overall effect : (G) Study or Subgroup Gan L 2015 Heterogeneity: Tau' = 1 Test for overall effect :	9.02 9.02 9.02 10.66 10.79 10.97 7.98 7.23 2.30; CrC 2 = 3.96 GL Maan 0.35 0.43 0.37 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.43	$\begin{array}{c} 1.3\\ 1.79\\ 1.2\\ 1.7\\ 1.2\\ 1.7\\ 0.6\\ 0.6\\ 0.7\\ 0.1\\ 0.7\\ 0.7\\ 0.7\\ 0.7\\ 0.7\\ 0.7\\ 0.7\\ 0.7$	43 48 48 48 49 52 55 55 55 55 55 55 55 55 55 55 46 40 40 40 40 40 40 40 40 40 40 40 40 40	11.24 13.43 12.87 12.87 12.87 14.54 8.26 9.4 ff = 7 (F Mean 0.47 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.47 1.19 9.4 ff = 7 (F Mean 1.73 2.53 1.53 1.53 1.53 1.53 1.55 1.53 1.53 1.53 1.55 1.53 1.53 1.55 1.53 1.55 1.53 1.55 1.53 1.55 1.53 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55	1.43 1.57 1.8 1.57 1.8 1.57 2.18 1.57 2.18 0.24 2.32 0.24 0.24 0.24 0.24 0.04 0.05 0.05 0.05 0.05 0.00 0.05 0.00 0.05 0.00 0.22 0.03 0.36 0.36 0.32 1.31 1.57 1.25 1.25 2.18 0.24 2.32 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.25 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.25 0.05 0.05 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.04 0.05 0.04 0.05 0.05 0.05 0.04 0.05 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.	43 500 51 51 54 54 48 54 40 382 0001); 50 60 40 40 40 40 40 40 40 40 60 304 40 60 0001); 1 7 7 0 7 1 7 1 8 8 8 8 8 8 8 8 9 8 9 9 9 9 9 9 1 1 9 1 9	12.8% 12.4% 12.4% 12.4% 12.5% 12.5% 12.8% 11.9% P = 98% Weight 15.3% 14.8% P = 98% Weight 15.7% 14.7% 14.7% 15.4% 15.7% 14.7% 14.7% 15.3% 15.3% 15.3% 10.0% P = 98% Weight 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7% 15.7%	N. Bandom. 95% C -222 (280 1.64) -337 (4.04, 2.70) -140 (207, 0.73) -140 (27, 0.73) -171 (217, 1.25) -357 (4.25, 2.60) -02 (203, 6, 0.20) -2.17 (-3.11, -1.23) -2.17 (-3.11, -1.23) -2.17 (-3.14, -0.10) -0.12 (-0.14, -0.10) -0.12 (-0.14, -0.10) -0.05 (-0.07, -0.03) -0.06 (-0.09, -0.05) -0.06 (-0.09, -0.06) -0.06 (-0.09, -0.07) -0.06 (-0.09, -0.07) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.33) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.36 (-0.7, -0.43) -0.37 (-1.45) <td>Mean Difference Mean Difference</td>	Mean Difference Mean Difference
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (85% C) Heterogeneity: Tau* = Test for overall effect: 2 (E) Study or Subgroup Gao L 2015 Gao L 2015 Gao L 2019 Hu ZW 2013 Liang YM 2007 Total (95% C) Heterogeneity: Tau* = Test for overall effect: 2 (F) Study or Subgroup Marce Subgroup Gan L 2015 Gan L 2015 Gan L 2015 Heterogeneity: Tau* = Test for overall effect: 2 (G)	9.02 9.02 9.02 10.66 10.79 10.97 7.98 7.23 2.30; CrC 2 = 3.96 GL Maan 0.35 0.43 0.37 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.43	$\begin{array}{c} 1.3\\ 1.79\\ 1.2\\ 1.76\\ 1.2\\ 1.76\\ 1.03\\ 1.34\\ 2.08\\ \hline \end{array}$	43 48 48 48 56 46 46 46 46 46 46 40 40 40 40 40 40 40 40 40 40 40 40 40	11.24 13.43 12.87 12.87 12.87 14.54 8.26 9.4 ff = 7 (F Mean 0.47 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.47 1.19 9.4 ff = 7 (F Mean 1.73 2.53 1.53 1.53 1.53 1.53 1.55 1.53 1.53 1.53 1.55 1.53 1.53 1.55 1.53 1.55 1.53 1.55 1.53 1.55 1.53 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55	1.43 1.57 1.8 1.57 1.8 1.57 1.25 2.18 0.24 2.32 2.32 2.32 2.32 2.32 0.24 0.24 0.24 0.04 0.04 0.05 0.04 0.02 0.03 0.36 0.32 1.31 0.54 1.57 1.55 1.55 1.25 2.18 0.24 2.32 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.25 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.25 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.04 0.22 0.36 0.36 0.32 1.31 0.54 0.55 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.32 0.36 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.	43 50 40 40 51 48 43 45 4 40 40 40 40 40 40 40 40 40 40 40 40 4	12.6% 12.4% 12.4% 12.4% 12.5% 12.5% 12.5% 11.9% № eight. 15.3% 100.0% P = 98% ₩eight. 100.0% P = 94% ₩eight. 10.0% 10.5.5% 49.5% 100.0% P = 96% ₩eight. 17.7% 17.7% 17.7% 17.7% 17.7%	N. Bandom, 95% C -222 [280, 1.64] -337 [4.04, 2.70] -40 [207, 0.73] -140 [207, 0.73] -140 [207, 0.73] -17 [3, 17, 1.25] -357 [4.25, 2.80] -028 [-0.36, 0.20] -2.17 [-3, 12, -1, 123] -2.17 [-3, 25, -1, 10] Mean Difference IV. Random, 95% C -0.12 [-0, 14, 0, -10] -0.05 [-0, 07, -0.03] -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] -0.36 [-0.75, 0.03] -0.36 [-0.75, 0.03] -0.36 [-0.73, -0.45] -0.68 [-0.07, -0.73] -0.36 [-0.77, -0.73] -0.37 [-1.41, 1.62, -0.66] -0.38 [-1.6, -0.03] -0.38 [-1.6, -0.03] -0.38 [-0.73, -0.45] -0.39 [-0.73, -0.45] -0.39 [-0.73, -0.45] -0.39 [-0.73, -0.45] -0.39 [-0.73, -0.45] -0.39 [-0.70, -0.77] -1.14 [-1.62, -0.66] -0.39 [-0.70, -0.77] -1.14 [-1.62, -0.66] -0.39 [-0.70, -0.72]	Mean Difference Mean Difference
Gan L 2015 Gao L 2 2006 Hu ZW 2013 Li WM 2009 Liang YM 2007 Tao L 2015 Wang LH 2014 Xu CH 2008 Total (85% C) Heterogeneity: Tau* = Test for overall effect: 2 (E) Study or Subgroup Gao L 2015 Gao L 2015 Gao L 2019 Hu ZW 2013 Liang YM 2007 Total (85% C) Heterogeneity: Tau* = Test for overall effect: 2 (F) Study or Subgroup Hu ZW 2013 Liang YM 2007 Total (85% C) Heterogeneity: Tau* = Test for overall effect: 2 (G)	9.02 9.02 9.02 9.1 10.06 9.1 10.7 10.7 7.98 7.23 2.30, Cf 6 4. <u>Mean</u> 0.37 0.44 0.44 0.44 0.44 0.43 0.44 0.44 0.43 0.44 0.43 0.44 0.43 0.37 0.43 0.03 C Z = 1.79 0.08; Cf 2 = 1.79 0.08; Cf 3.76 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.43 3.26 6 4.44 4.45 4.44 4.46 6 4.44 4.47 1.57 1.57 1.57 1.57 1.57 1.57 1.57 1.5	$\begin{array}{c} 1.3\\ 1.79\\ 1.2\\ 1.76\\ 1.03\\ 1.34\\ 2.08\\ 0.1\\ 0.48\\ 2.08\\ 0.1\\ 0.48\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.02\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.04\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.0$	43 48 40 52 56 46 46 46 46 46 46 46 40 50 40 40 40 40 40 40 40 50 40 40 40 40 40 40 40 40 40 40 40 40 40	11.24 13.43 10.5 12.87 11.9 14.54 8.26 9.4 ff = 7 (F Mean 0.47 0.46 0.49 0.5 0.46 0.51 1.73 2.53 = 1 (P Mean 1.73 2.53 = 1 (P	1.43 1.57 1.8 1.57 1.8 1.57 1.25 2.18 0.24 2.32 0.24 2.32 0.24 2.32 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.30 0.30 0.32 1.31 0.54 0.22	43 43 50 40 40 51 48 43 43 43 40 40 40 40 40 40 40 40 40 40	12.8% 12.4% 12.4% 12.4% 12.4% 12.5% 12.8% 11.9% P = 98% Weight 15.3% 15.7% 15.4% 15.7% 15.4% 15.7% 100.0% Weight 17.7% Weight 17.7% 100.0%	N. Bandom, 95% C -222 [280, 1.64] -337 [4.04, 2.70] -40 [207, 0.73] -140 [207, 0.73] -140 [207, 0.73] -17 [3, 17, 1.25] -357 [4.25, 2.80] -028 [-0.36, 0.20] -2.17 [-3, 12, -1, 123] -2.17 [-3, 25, -1, 10] Mean Difference IV. Random, 95% C -0.12 [-0.14, 0. 10] -0.05 [-0.07, 0.03] -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] -0.06 [-0.09, -0.04] -0.16 [-0.26, -0.06] -0.16 [-0.75, 0.03] -0.36 [-0.75, 0.03] -0.36 [-0.77, -0.37] -0.36 [-0.77, -0.73] -0.37 [-1.14 [-1.62, -0.66] -0.38 [-1.6, 0.80]	Mean Difference Mean Difference

Figure 6. Comparisons of hemorrheology indexes between experimental and control group

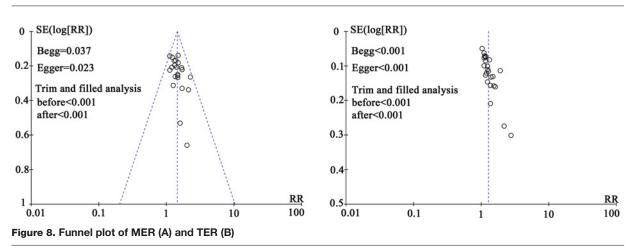
Forest plot of the comparison of the hemorrheology indexes including PV (**A**), WBHSV (**B**), WBMSV (**C**), WBLSV (**D**), hematocrit (**E**), EAI (**F**) and FBG (**G**) between the experimental and control group. Control group, conventional treatments alone group; Experimental group, conventional treatments and GLED combined group. The random effects meta-analysis model (Mantel–Haenszel method) was used.

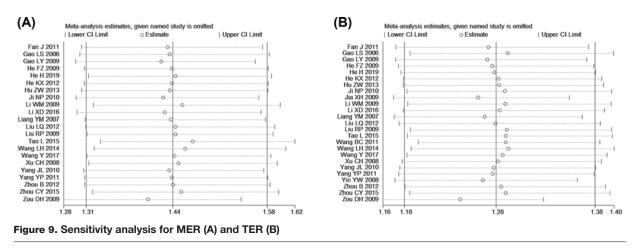


	GLED	RT	RT			Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% Cl
Fan J 2011	0	40	0	40		Not estimable	
Gao LY 2009	2	40	4	40	53.4%	0.50 [0.10, 2.58]	
He H 2019	2	31	1	31	13.3%	2.00 [0.19, 20.93]	
He KX 2012	0	31	0	31		Not estimable	
Hu ZW 2013	6	40	0	40	6.7%	13.00 [0.76, 223.33]	
Ji NP 2010	0	58	0	48		Not estimable	
Liang YM 2007	2	48	0	48	6.7%	5.00 [0.25, 101.48]	
Liu RP 2009	1	30	0	31	6.6%	3.10 [0.13, 73.16]	
Wang BC 2011	0	28	0	28		Not estimable	
Wang LH 2014	2	56	1	56	13.3%	2.00 [0.19, 21.43]	
Total (95% CI)		402		393	100.0%	2.21 [0.95, 5.15]	◆
Total events	15		6				
Heterogeneity: Chi ² = 4	1.98, df =	5 (P = 0).42); l ² =	0%			
Test for overall effect:	Z = 1.83 (P = 0.0	7)				0.002 0.1 1 10 500
			1				Favours GLED+RT Favours RT

Figure 7. Comparisons of total adverse effects between experimental and control group

Forest plot of the comparison of total adverse effects between the experimental and control group. Control group, conventional treatments alone group; Experimental group, conventional treatments and GLED combined group. The fixed-effects meta-analysis model (Mantel-Haenszel method) was used.





free radicals [14,15,57]. It has been clinically applied as an effective complementary drug for lung and heart disease [14,15,58–60]. Even though there was statistical analysis of published literatures, a comprehensive and systematic evaluation of GLED for the treatment of CCP is still rare. In this analysis, we conducted a wide range of online search



Table 2 Subgroup analyses of MER and TER between the experimental and control group

Parameter	Factors at study level	Experimental group, No. of patients (<i>n</i>)	Control group, No. of patients (<i>n</i>)	Analysis method	Hetero	geneity	Risk ratio (RR)	95% CI	<i>P</i> -value
i urumeter		patiento (ii)	patiento (ii)	method	I ² (%)	<i>P</i> -value	()	0070 01	/ Value
MER	Dosage of GLED (DG)								
	$20 < DG \le 40 \text{ ml/day}$	189	188	Fixed	16	0.31	1.32	1.08–1.61	0.006
	15< DG < 20 ml/day	774	760	Fixed	0	0.98	1.49	1.34-1.66	< 0.00001
	Duration of treatment								
	≥14 days	364	362	Fixed	0	0.70	1.38	1.19-1.60	<0.0001
	<14 days	520	501	Fixed	0	0.69	1.48	1.31-1.68	< 0.00001
	Manufacturer of the GL	ED							
	I	70	70	Fixed	0	0.82	1.77	0.99–3.16	0.05
	II	92	91	Fixed	0	0.42	1.34	1.02-1.76	0.03
		322	323	Fixed	0	0.87	1.47	1.26-1.70	<0.00001
	IV	30	25	Fixed			1.13	0.73–1.76	0.58
	Study sample size								
	>80	596	582	Fixed	0	0.53	1.42	1.27-1.58	<0.00001
	≤80	397	391	Fixed	0	0.97	1.48	1.25-1.75	<0.00001
TER	Dosage of GLED								
	$20 < DG \le 40 \text{ ml/day}$	283	265	Fixed	49	0.08	1.27	1.16-1.39	< 0.00001
	$15 \le DG \le 20 \text{ ml/day}$	777	773	Random	76	< 0.00001	1.30	1.18–1.44	< 0.00001
	Duration of treatment								
	≥14 days	486	467	Random	69	0.0004	1.27	1.14-1.41	< 0.0001
	<14 days	495	486	Random	74	< 0.0001	1.29	1.14–1.48	0.0001
	Manufacturer of the GL	ED							
	I	70	70	Fixed	0	0.70	1.43	1.18–1.74	0.0003
	II	92	91	Fixed	0	0.59	1.19	1.04-1.36	0.01
	III	322	323	Fixed	31	0.18	1.26	1.16–1.36	< 0.00001
	IV	30	25	Fixed			1.11	0.91–1.35	0.29
	Study sample size								
	>80	519	496	Random	67	0.0001	1.30	1.16-1.45	< 0.00001
	≤80	571	567	Random	75	< 0.0001	1.26	1.13-1.40	< 0.0001

Notes: Con, control group (conventional treatments alone group); Exp, experimental group (conventional treatments and GLED combined group); I, Shanxi Pude Pharmaceutical Co., Ltd.; II, Hubei Minkang Pharmaceutical Co., Ltd.; III, Guizhou Yibai Pharmaceutical Co., Ltd.; IV, Tonghua Guhong Pharmaceutical Co., Ltd.

Abbreviations: GLED: Ginkgo leaf extract and dipyridamole injection; MER: Markedly effective rate; TER: Total effective rate.

according strict eligibility criteria, by which to provide an internationally accessible systematic review of the clinical efficacy and safety of GLED for the CCP.

The meta-analysis was carried out in 25 articles [24,26–42,44–47,49–51] to evaluate the therapeutic effects of GLED for CCP. Compared with conventional treatments alone, GLED combined with conventional treatments was associated with obviously higher MER and TER. Moreover, because of chronic hypoxia, patients with CCP will suffer from oxygen free radicals metabolism imbalance, increased blood viscosity and pulmonary artery pressure, and further lead to the right heart dysfunction and even failure [1–4]. Our analysis results showed that the blood gas and hemorheology indexes of patients were also significantly ameliorated after conventional treatments and GLED combined therapy. All these results indicated that GLED can improve the cardiopulmonary function of CCP patients effectively, which may be related with its action on regulating the blood viscosity and blood gas indexes. To further confirm whether some variable factors affect the therapeutic effects of GLED for CCP. We used four clinical variables (GLED dosages, duration of treatment, sample sizes of involved studies, and manufacturer of GLED) to interact with two outcome indicators (MER and TER) and found that the MER and TER might be associated with manufacturer of GLED. However, given that only one study [50] reported the use of GLED produced by Tonghua Guhong Pharmaceutical Co., Ltd., therefore it is not enough to draw a definitive conclusion at present.

Safety is the top priority of a therapeutic strategy, and special attention should be paid to adverse drug events. The most common side effects during GLED therapy were nausea, headache, dizziness, abdominal distention, pruritus

and skin rash, and the total adverse events did not differ significantly between the two groups. Therefore, GLED is a relatively safe auxiliary medicine for CCP. However, evidence was limited to make a conclusion on safety evaluation because only 10 studies mentioned the adverse events.

There are some limitations in our analysis. First, as an important Chinese herb preparation, GLED was mainly applied in China or other Asian countries, which may bring the unavoidable regional bias and subsequently influence the clinical application of GLED worldwide. Second, the duration of treatment ranged from 7 to 28 days among the included studies. All of the trials assessed the efficacy immediately after the termination of the treatment period. Therefore, the long-term effect of GLED for CCP still needs methodologically rigorous trials to verify. Third, the main pathological features of CCP are pulmonary artery pressure, progressive of right ventricular hypertrophy and cardiopulmonary functional insufficiency. Many key variables, such as number of exacerbation, heart and lung function, quality of life, which closely related to survival, are not evaluated in these studies. Therefore, it is not yet possible to draw a conclusion on important outcomes. Moreover, GLED is a mixture that consists of more than one effective component, in this case, the mechanism of GLED may be complex and has multiple targets, and also this limits the usage of it. Fourthly, the administration conditions (extract/distill methods, storage conditions, dripping speed, GLED dosages and manufacturer, et al.) might be related with the efficacy of GLED mediated therapy [61,62]. In order to achieve the clinical therapeutic effect and reduce the incidence of adverse reactions of GLED mediated therapy to the greatest extent, it is necessary to strengthen the supervision of clinical medication to standardize the rational medication. The GLED in all included trials was approved by Chinese State Food and Drug Administration (SFDA), and granted the Manufacturing Approve Number issued by Chinese SFDA (Supplementary Table S2). Based on currently available literatures, we have conducted subgroup analysis according to different GLED dosages and manufacturer. However, there are insufficient data to perform a statistical analysis to evaluate the impacts of other variable factors (extract/distill methods, storage conditions and dripping speed, et al.) on the treatment effect of GLED. We will keep following up with upcoming clinical trials to obtain relevant data when available. Finally, allocation concealment and blind method were not clear in most included studies, which may results in exaggerated estimates of treatment effect. Given the limitations mentioned above, all the findings from our study should be dealt with some caution.

Conclusion and prospect

In summary, our meta-analysis suggested that GLED could have potential therapeutic effects and be relatively safe for the treatment of CCP. Clinical application of GLED not only obviously enhanced the therapeutic effects of conventional treatments, but also useful in lowering plasma viscosity, blood viscosity, hematocrit, alleviating and improving PaO₂ and SaO₂ of CCP patients. However, due to the publication bias and low quality of some included trials increases risks and bias, the clinical efficacy and safety of GLED-mediate therapy for CCP still needs more high-quality, multi-center large randomized trials to verify.

Traditional Chinese medicine plays an increasingly important role in various disease treatments (such as malaria and 2019 novel coronavirus, etc.) [16,63]. Ginkgo leaf extract has been used for pharmaceutical and medicinal purpose in China for several hundred years to treat various diseases [16]. The extremely low rate of side effects and good tolerance together with its pharmacological mechanism will make GLED a promising therapeutic drug in cardiovas-cular disease, peripheral vascular disease and pulmonary disease worldwide [16].

Competing Interests

The authors declare that there are no competing interests associated with the manuscript.

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Author Contribution

Q.J. conceived and designed the methods. Q.J. G.Y.J. and Y.H.M. extracted the original data and drafted the manuscript. G.Y.J. X.X. and Y.Y.P. performed statistical analysis. Q.J. and G.Y.J. interpreted results. Q.J. and Y.Y.P. revised the manuscript. All authors had full access to all data in the study and take responsibility for the integrity of the data and the accuracy of data analysis.

Abbreviations

CCP, chronic cor pulmonale; CI, confidence interval; EAI, erythrocyte aggregation index; FBG, content of fibrinogen; GLED, Ginkgo leaf extract and dipyridamole injection; MD, mean difference; MER, markedly effective rate; NYHA, New York Heart Association; PaCO₂, partial pressure of carbon dioxide; PaO₂, partial pressure of oxygen; PRISMA, Preferred Reporting Items for



Systematic Reviews; PV, plasma viscosity; RCT, randomized controlled trial; RR, risk ratio; SaO₂, saturation of hemoglobin with oxygen; TER, total effective rate; WBHSV, whole blood high-shear viscosity; WBLSV, whole blood low-shear viscosity; WBMSV, whole blood medium-shear viscosity; WHO, World Health Organization.

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