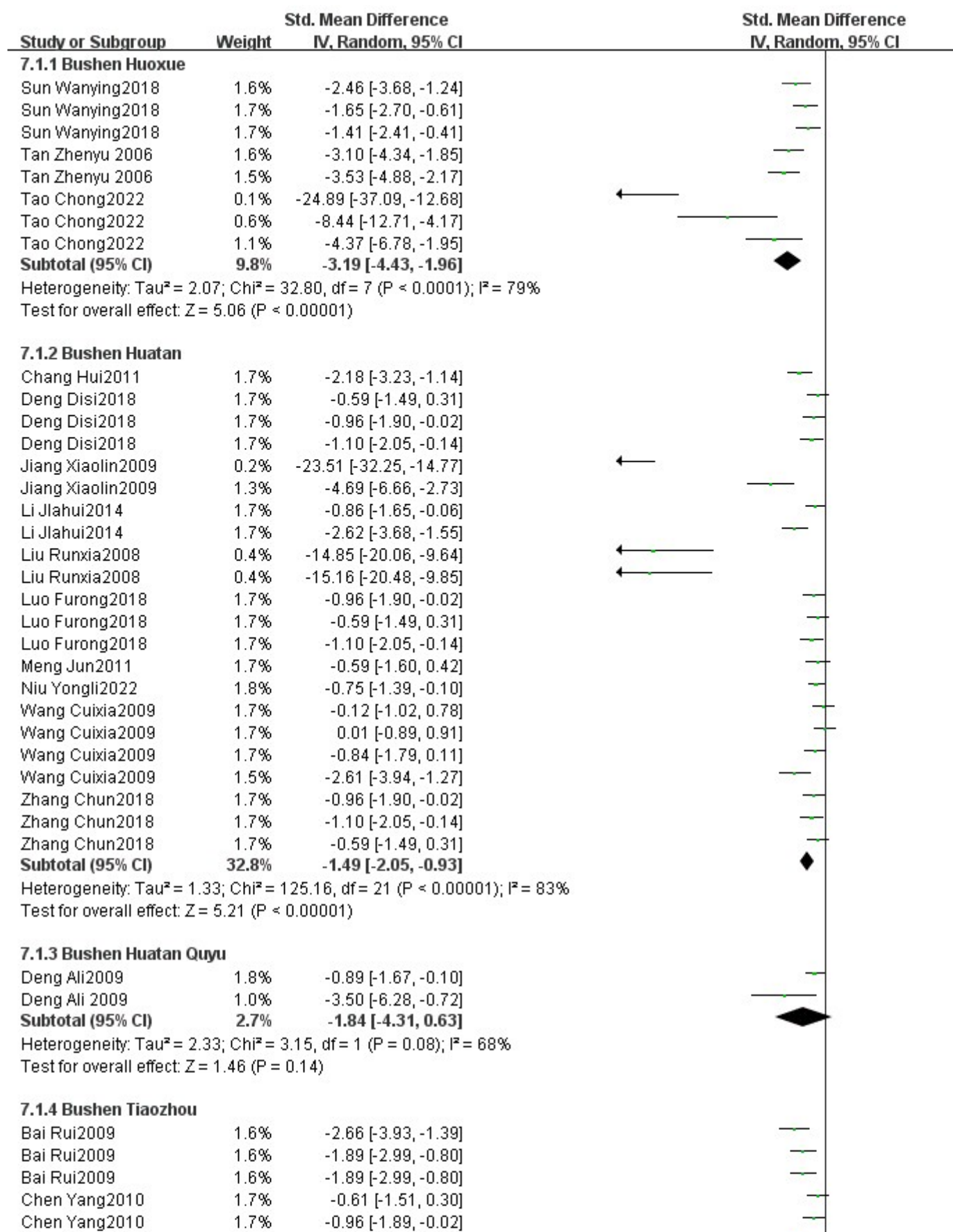


Figures

Figure 15 (Analysis 7.1)



Chen Yang2010	1.6%	-1.82 [-2.90, -0.74]
Lin Anying2023	1.5%	-3.24 [-4.66, -1.82]
Subtotal (95% CI)	11.4%	-1.77 [-2.42, -1.11]
Heterogeneity: $\tau^2 = 0.46$; $\chi^2 = 14.91$, $df = 6$ ($P = 0.02$); $I^2 = 60\%$		
Test for overall effect: $Z = 5.31$ ($P < 0.00001$)		

7.1.5 Bushen Tiaojing

Feng Guangrong2009	1.5%	-3.30 [-4.74, -1.86]
Feng Guangrong2009	1.3%	-4.62 [-6.44, -2.80]
Hu Xiaohua2013	1.6%	-1.89 [-2.99, -0.80]
Hu Xiaohua2013	1.5%	-3.06 [-4.43, -1.68]
Zhang Weiqing2020	1.4%	-4.20 [-5.90, -2.50]
Zhang Weiqing2020	1.7%	-1.26 [-2.24, -0.28]
Zhang Weiqing2020	1.5%	-3.51 [-5.00, -2.01]
Zhao Lina2014	1.6%	-1.91 [-3.05, -0.78]
Zhao Lina2014	1.5%	-3.13 [-4.57, -1.69]
Subtotal (95% CI)	13.7%	-2.84 [-3.57, -2.10]
Heterogeneity: $\tau^2 = 0.77$; $\chi^2 = 21.57$, $df = 8$ ($P = 0.006$); $I^2 = 63\%$		
Test for overall effect: $Z = 7.57$ ($P < 0.00001$)		

7.1.6 Bushen Huayu

Huang Wei2018	0.0%	-88.92 [-132.34, -45.50]
Lin Hui2014	1.6%	-2.03 [-3.15, -0.90]
Lin Hui2014	1.3%	-4.85 [-6.75, -2.96]
Lin Hui2014	1.5%	-3.38 [-4.85, -1.92]
Pan Wen2015	1.8%	-1.18 [-1.86, -0.49]
Pan Wen2015	1.8%	-0.91 [-1.58, -0.25]
Pan Wen2015	1.8%	-0.42 [-1.06, 0.21]
Subtotal (95% CI)	9.8%	-1.98 [-3.11, -0.86]
Heterogeneity: $\tau^2 = 1.66$; $\chi^2 = 47.11$, $df = 6$ ($P < 0.00001$); $I^2 = 87\%$		
Test for overall effect: $Z = 3.45$ ($P = 0.0006$)		

7.1.7 Bushen Cupai

Wang Xudong2021	1.4%	-3.41 [-5.09, -1.73]
Wang Xudong2021	1.6%	-1.46 [-2.60, -0.32]
Zhang Bingjie2016	1.7%	-0.02 [-0.89, 0.86]
Zhou Jie2020	1.5%	-3.68 [-5.23, -2.14]
Zhou Jie2020	1.7%	-0.80 [-1.72, 0.12]
Zhou Jie2020	1.7%	-1.72 [-2.77, -0.66]
Subtotal (95% CI)	9.6%	-1.71 [-2.76, -0.66]
Heterogeneity: $\tau^2 = 1.34$; $\chi^2 = 25.26$, $df = 5$ ($P = 0.0001$); $I^2 = 80\%$		
Test for overall effect: $Z = 3.20$ ($P = 0.001$)		

7.1.8 Bushen Huoxue Huayu

Liu Hejing2023	0.6%	-9.61 [-13.56, -5.65]
Liu Hejing2023	0.6%	-9.83 [-13.87, -5.79]
Liu Hejing2023	0.4%	-12.63 [-17.76, -7.49]
Liu Yanqiao2006	1.7%	-1.09 [-2.04, -0.13]
Li Xilian2008	1.8%	-0.46 [-1.19, 0.27]
Subtotal (95% CI)	5.2%	-5.60 [-8.52, -2.68]
Heterogeneity: $\tau^2 = 8.59$; $\chi^2 = 57.91$, $df = 4$ ($P < 0.00001$); $I^2 = 93\%$		
Test for overall effect: $Z = 3.75$ ($P = 0.0002$)		

7.1.9 Ziyin Bushen

Lin Wei2022	0.1%	-29.38 [-40.28, -18.48]
Lin Wei2022	0.0%	-54.15 [-72.89, -35.40]
Mo Yang 2020	1.1%	-6.82 [-9.34, -4.30]
Subtotal (95% CI)	1.2%	-28.69 [-53.61, -3.76]
Heterogeneity: $\tau^2 = 446.47$; $\chi^2 = 38.55$, $df = 2$ ($P < 0.00001$); $I^2 = 95\%$		
Test for overall effect: $Z = 2.26$ ($P = 0.02$)		

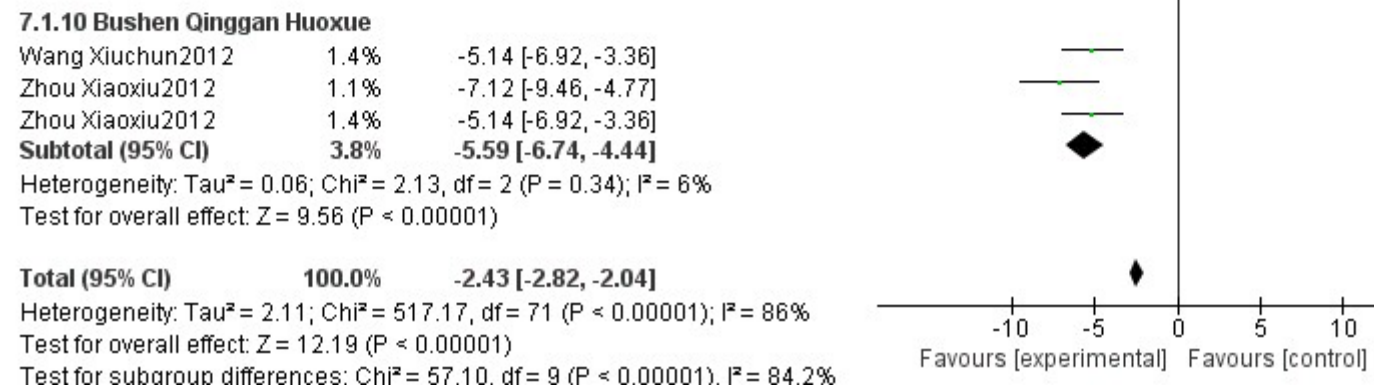
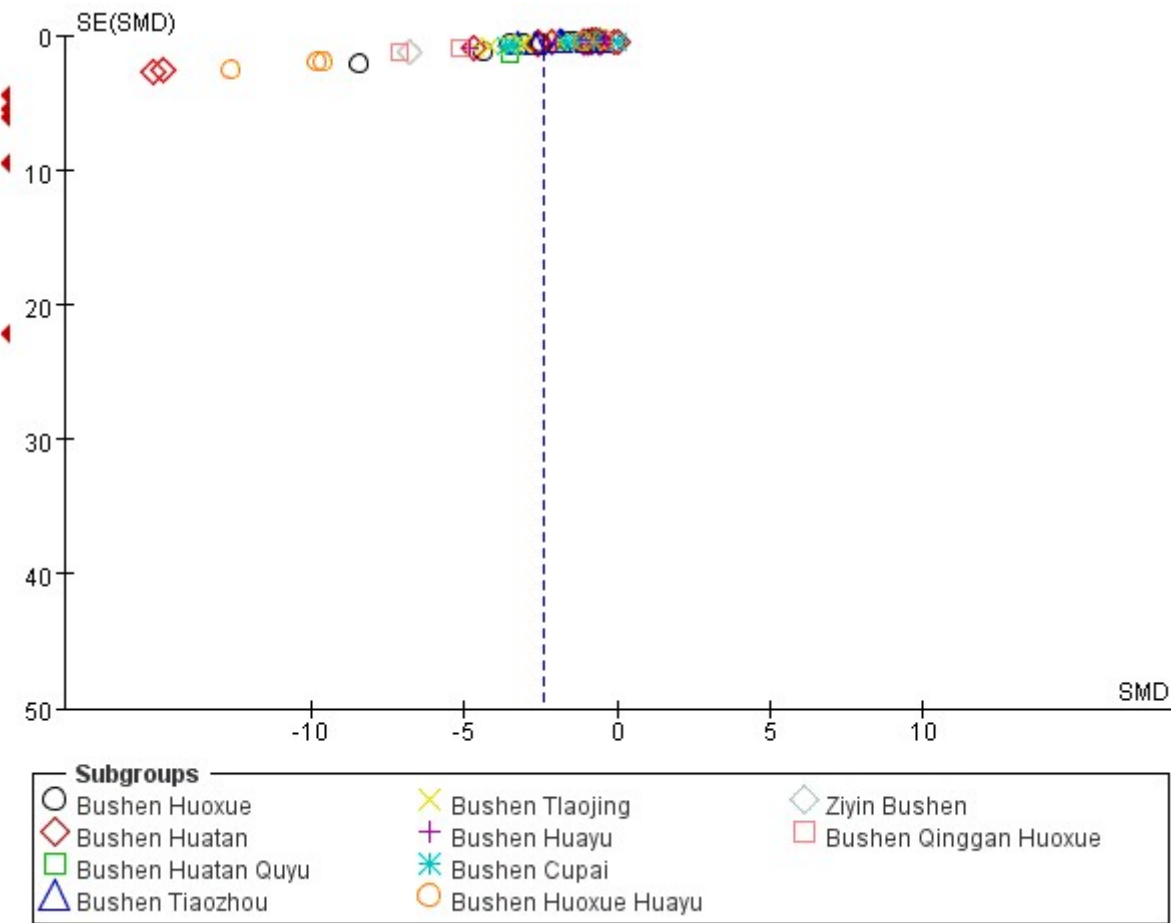


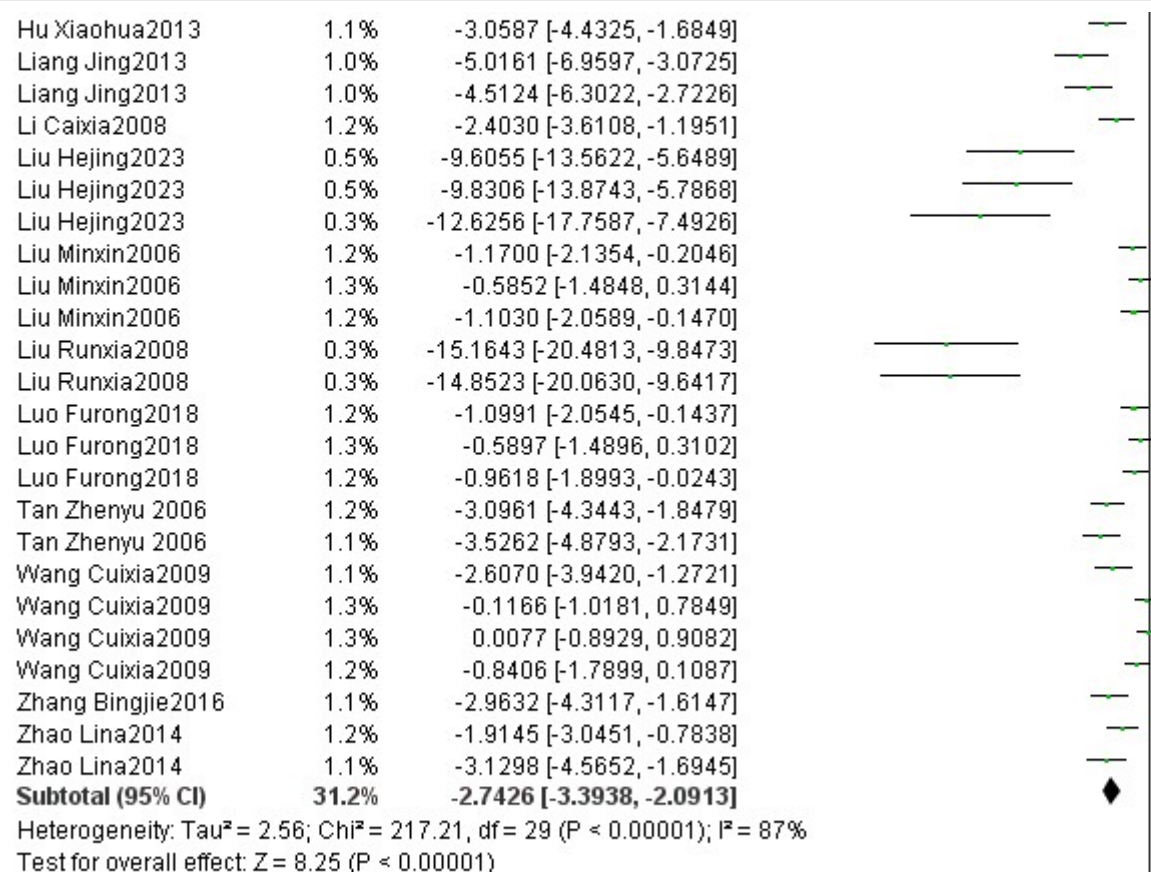
Figure 16 (Analysis 7.1)



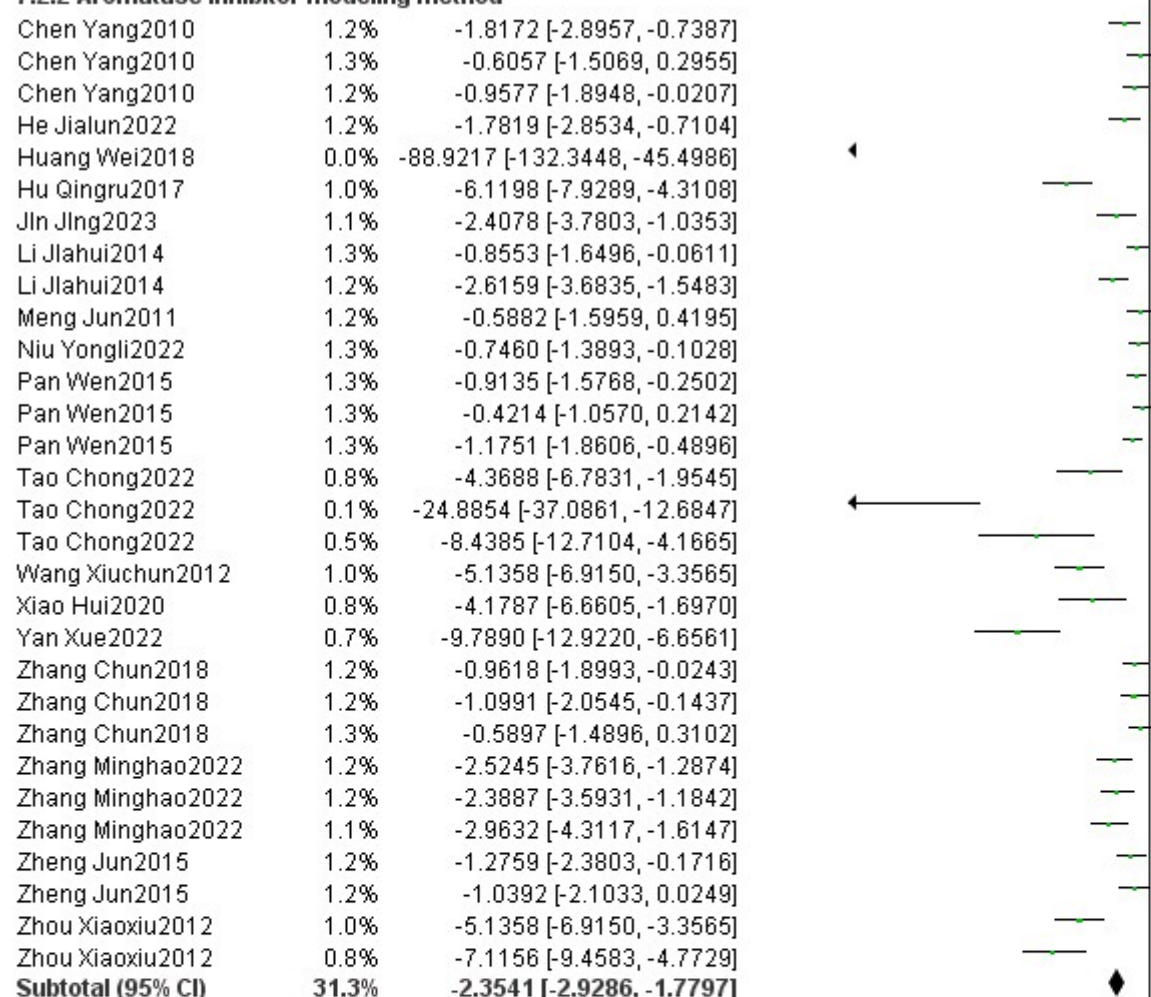
Funnel plot of comparison: 7 亚组分析t, outcome: 7.1 ZHIFA.

Figure 17 (Analysis 7.2)

Study or Subgroup	Weight	Std. Mean Difference		Std. Mean Difference	
		IV, Random, 95% CI		IV, Random, 95% CI	
7.2.1 poretsky					
Chen Ying2017	1.2%	-1.6628 [-2.7725, -0.5531]			
Chen Ying2017	1.2%	-0.5451 [-1.4907, 0.4006]			
Deng Ali2009	1.1%	-3.5065 [-5.0027, -2.0102]			
Feng Guangrong2009	1.0%	-4.6220 [-6.4450, -2.7990]			
Feng Guangrong2009	1.1%	-3.3038 [-4.7439, -1.8638]			
Hu Xiaohua2013	1.2%	-1.8948 [-2.9892, -0.8004]			



7.2.2 Aromatase inhibitor modeling method



Heterogeneity: $\text{Tau}^2 = 1.90$; $\text{Chi}^2 = 208.78$, $\text{df} = 29$ ($P < 0.00001$); $I^2 = 86\%$
 Test for overall effect: $Z = 8.03$ ($P < 0.00001$)

7.2.3 Androgen modeling method

Chang Hui2011	1.2%	-2.1849 [-3.2324, -1.1374]
Deng Disi2018	1.2%	-0.9618 [-1.8993, -0.0243]
Deng Disi2018	1.2%	-1.0991 [-2.0545, -0.1437]
Deng Disi2018	1.3%	-0.5897 [-1.4896, 0.3102]
Lin Hui2014	1.0%	-4.8531 [-6.7465, -2.9596]
Lin Hui2014	1.1%	-3.3843 [-4.8466, -1.9221]
Lin Hui2014	1.2%	-2.0260 [-3.1482, -0.9039]
Lin Wei2022	0.0%	-54.1471 [-72.8941, -35.4002]
Lin Wei2022	0.1%	-29.3820 [-40.2815, -18.4825]
Li Q2009	1.3%	-1.0793 [-1.8822, -0.2765]
Li Xilian2008	1.3%	-0.4602 [-1.1867, 0.2663]
Ma Manhua2010	1.1%	-3.3334 [-4.8734, -1.7934]
Mo Yang 2020	0.8%	-6.8213 [-9.3378, -4.3047]
Sun Wanying2018	1.2%	-2.4565 [-3.6771, -1.2358]
Sun Wanying2018	1.2%	-1.6524 [-2.6987, -0.6060]
Sun Wanying2018	1.2%	-1.4080 [-2.4107, -0.4053]
Wang Xudong2021	1.0%	-3.4118 [-5.0894, -1.7342]
Wang Xudong2021	1.2%	-1.4582 [-2.5980, -0.3185]
Xu Daoli2022	0.8%	-5.5868 [-8.0222, -3.1514]
Xu Daoli2022	0.7%	-6.7592 [-9.6292, -3.8892]
Zhang Weiqing2020	1.2%	-1.2638 [-2.2432, -0.2843]
Zhang Weiqing2020	1.1%	-3.5065 [-5.0027, -2.0102]
Zhang Weiqing2020	1.0%	-4.2003 [-5.8968, -2.5037]
Zhou Jie2020	1.2%	-0.8014 [-1.7206, 0.1179]
Zhou Jie2020	1.2%	-1.7163 [-2.7749, -0.6578]
Zhou Jie2020	1.1%	-3.6820 [-5.2278, -2.1361]
Zhou Yang2021	0.9%	-10.3562 [-12.3389, -8.3736]
Subtotal (95% CI)	28.0%	-2.9676 [-3.7190, -2.2161]

Heterogeneity: $\text{Tau}^2 = 3.16$; $\text{Chi}^2 = 238.79$, $\text{df} = 26$ ($P < 0.00001$); $I^2 = 89\%$
 Test for overall effect: $Z = 7.74$ ($P < 0.00001$)

7.2.4 Progesterone modeling method

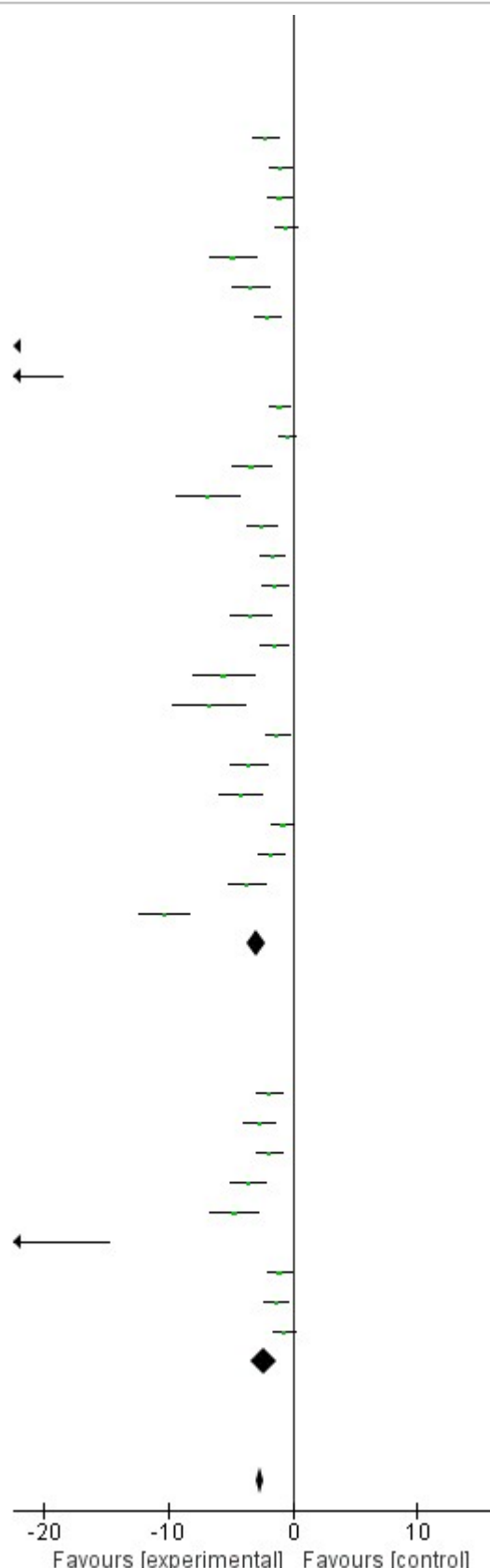
Bai Rui2009	1.2%	-1.8920 [-2.9858, -0.7982]
Bai Rui2009	1.2%	-2.6556 [-3.9251, -1.3861]
Bai Rui2009	1.2%	-1.8933 [-2.9874, -0.7993]
He Shuying2006	1.1%	-3.6040 [-4.9765, -2.2314]
Jiang Xiaolin2009	1.0%	-4.6934 [-6.6615, -2.7252]
Jiang Xiaolin2009	0.1%	-23.5121 [-32.2519, -14.7723]
Liu Yanqiao2006	1.2%	-1.0859 [-2.0395, -0.1323]
Zhu Shanshan2008	1.2%	-1.2867 [-2.2697, -0.3037]
Zhu Shanshan2008	1.2%	-0.6976 [-1.6067, 0.2115]
Subtotal (95% CI)	9.5%	-2.3998 [-3.4505, -1.3492]

Heterogeneity: $\text{Tau}^2 = 1.95$; $\text{Chi}^2 = 49.30$, $\text{df} = 8$ ($P < 0.00001$); $I^2 = 84\%$
 Test for overall effect: $Z = 4.48$ ($P < 0.00001$)

Total (95% CI) **100.0%** **-2.6377 [-2.9878, -2.2876]**

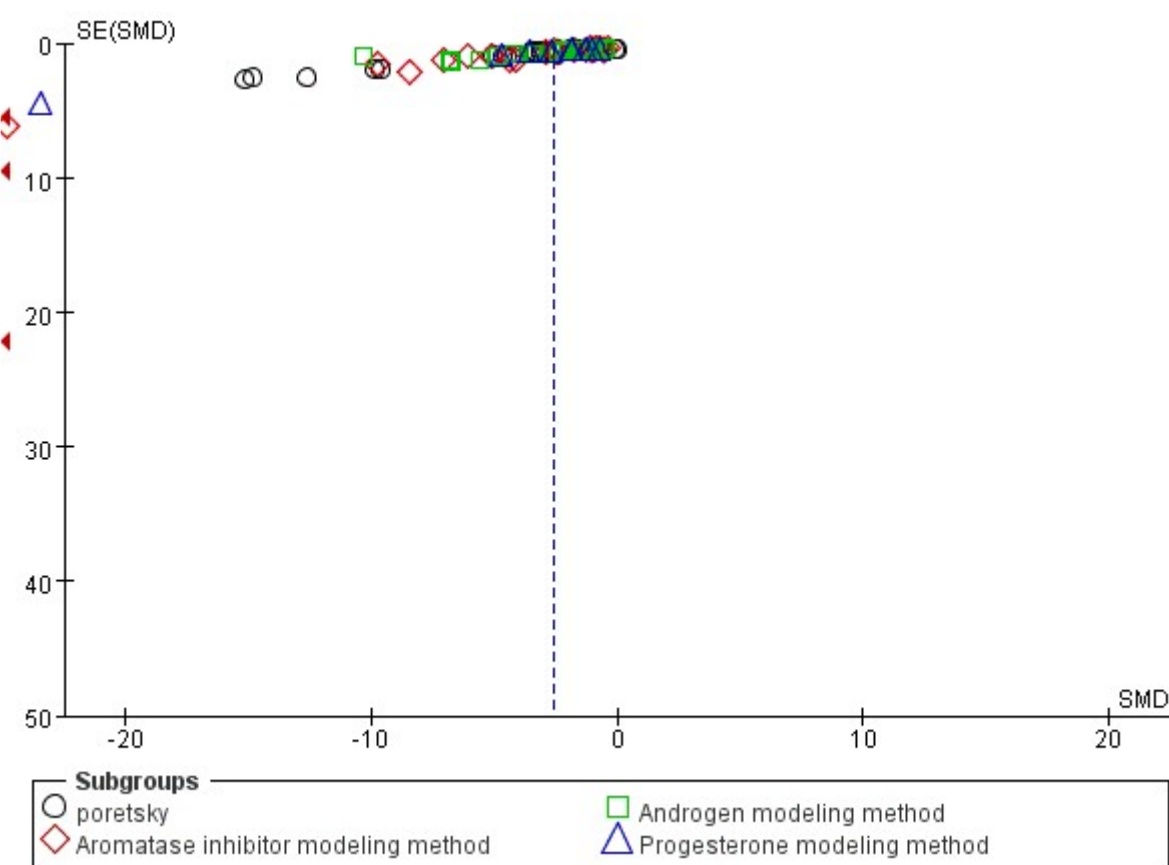
Heterogeneity: $\text{Tau}^2 = 2.34$; $\text{Chi}^2 = 723.05$, $\text{df} = 95$ ($P < 0.00001$); $I^2 = 87\%$
 Test for overall effect: $Z = 14.77$ ($P < 0.00001$)

Test for subgroup differences: $\text{Chi}^2 = 1.94$, $\text{df} = 3$ ($P = 0.58$), $I^2 = 0\%$



Forest plot of comparison: 7 亚组分析t, outcome: 7.2 modeling methods.

Figure 18 (Analysis 7.2)



Funnel plot of comparison: 7 亚组分析t, outcome: 7.2 modeling methods.

Figure 19 (Analysis 7.3)

Study or Subgroup	Weight	Std. Mean Difference		Std. Mean Difference IV, Random, 95% CI
		IV, Random, 95% CI		
7.3.1 10~12d				
Guo Yinhua2016	1.2%	-1.39 [-2.39, -0.39]		
He Shuying2006	1.1%	-3.60 [-4.98, -2.23]		
Liu Hejing2023	0.5%	-9.61 [-13.56, -5.65]		
Liu Hejing2023	0.3%	-12.63 [-17.76, -7.49]		
Liu Hejing2023	0.5%	-9.83 [-13.87, -5.79]		
Tan Zhenyu 2006	1.2%	-3.10 [-4.34, -1.85]		
Tan Zhenyu 2006	1.1%	-3.53 [-4.88, -2.17]		
Zhang Weiqing2020	1.1%	-3.51 [-5.00, -2.01]		
Zhang Weiqing2020	1.0%	-4.20 [-5.90, -2.50]		
Zhang Weiqing2020	1.2%	-1.26 [-2.24, -0.28]		
Subtotal (95% CI)	9.3%	-4.15 [-5.47, -2.83]		
Heterogeneity: Tau ² = 3.34; Chi ² = 60.21, df = 9 (P < 0.00001); I ² = 85%				
Test for overall effect: Z = 6.18 (P < 0.00001)				
7.3.2 14~16d				
Bai Rui2009	1.2%	-1.89 [-2.99, -0.80]		
Bai Rui2009	1.2%	-1.89 [-2.99, -0.80]		
Bai Rui2009	1.2%	-2.66 [-3.93, -1.39]		
Chen Yang2010	1.2%	-1.82 [-2.90, -0.74]		
Chen Yang2010	1.3%	-0.61 [-1.51, 0.30]		
Chen Yang2010	1.3%	-0.96 [-1.89, -0.02]		
Chen Ying2017	1.2%	-1.66 [-2.77, -0.55]		
Chen Ying2017	1.3%	-0.55 [-1.49, 0.40]		

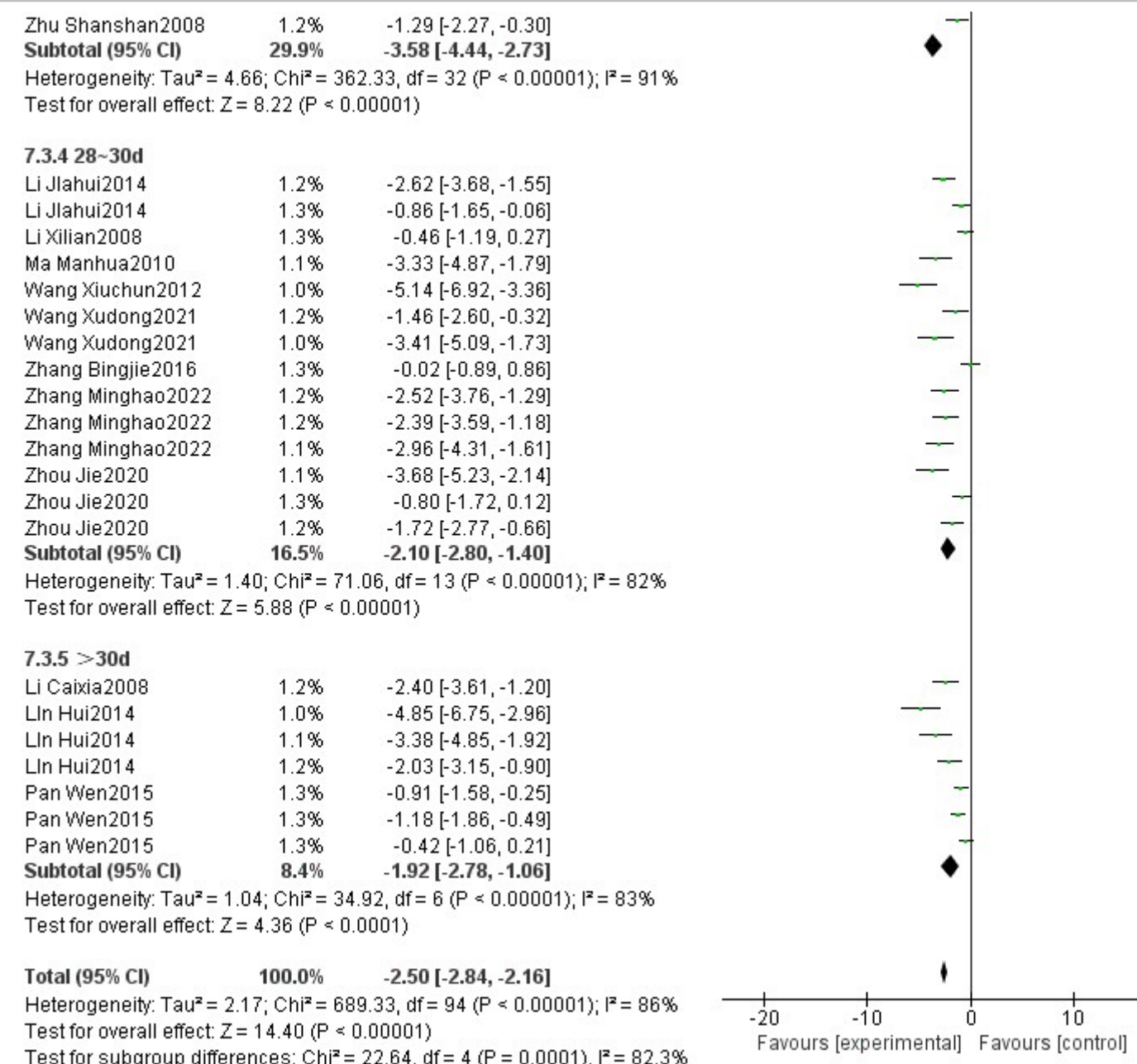
Feng Guangrong2009	1.0%	-4.62 [-6.44, -2.80]	
Feng Guangrong2009	1.1%	-3.30 [-4.74, -1.86]	
Hu Xiaohua2013	1.2%	-1.89 [-2.99, -0.80]	
Hu Xiaohua2013	1.1%	-3.06 [-4.43, -1.68]	
Jiang Xiaolin2009	0.9%	-4.69 [-6.66, -2.73]	
Jiang Xiaolin2009	0.1%	-23.51 [-32.25, -14.77]	←
Jin Jing2023	1.1%	-2.41 [-3.78, -1.04]	
Liang Jing2013	1.0%	-5.02 [-6.96, -3.07]	
Liang Jing2013	1.0%	-4.51 [-6.30, -2.72]	
Li Q2009	1.3%	-1.08 [-1.88, -0.28]	
Liu Minxin2006	1.3%	-1.10 [-2.06, -0.15]	
Liu Minxin2006	1.2%	-1.17 [-2.14, -0.20]	
Liu Minxin2006	1.3%	-0.59 [-1.48, 0.31]	
Liu Yanqiao2006	1.3%	-1.09 [-2.04, -0.13]	
Luo Furong2018	1.3%	-1.10 [-2.05, -0.14]	
Luo Furong2018	1.3%	-0.96 [-1.90, -0.02]	
Luo Furong2018	1.3%	-0.59 [-1.49, 0.31]	
Niu Yongli2022	1.3%	-0.75 [-1.39, -0.10]	
Sun Wanying2018	1.2%	-2.46 [-3.68, -1.24]	
Sun Wanying2018	1.2%	-1.65 [-2.70, -0.61]	
Sun Wanying2018	1.2%	-1.41 [-2.41, -0.41]	
Wang Cuixia2009	1.1%	-2.61 [-3.94, -1.27]	
Wang Cuixia2009	1.3%	-0.12 [-1.02, 0.78]	
Subtotal (95% CI)	35.9%	-1.80 [-2.21, -1.39]	◆

Heterogeneity: $\tau^2 = 0.97$; $\chi^2 = 127.54$, $df = 30$ ($P < 0.00001$); $I^2 = 76\%$

Test for overall effect: $Z = 8.61$ ($P < 0.00001$)

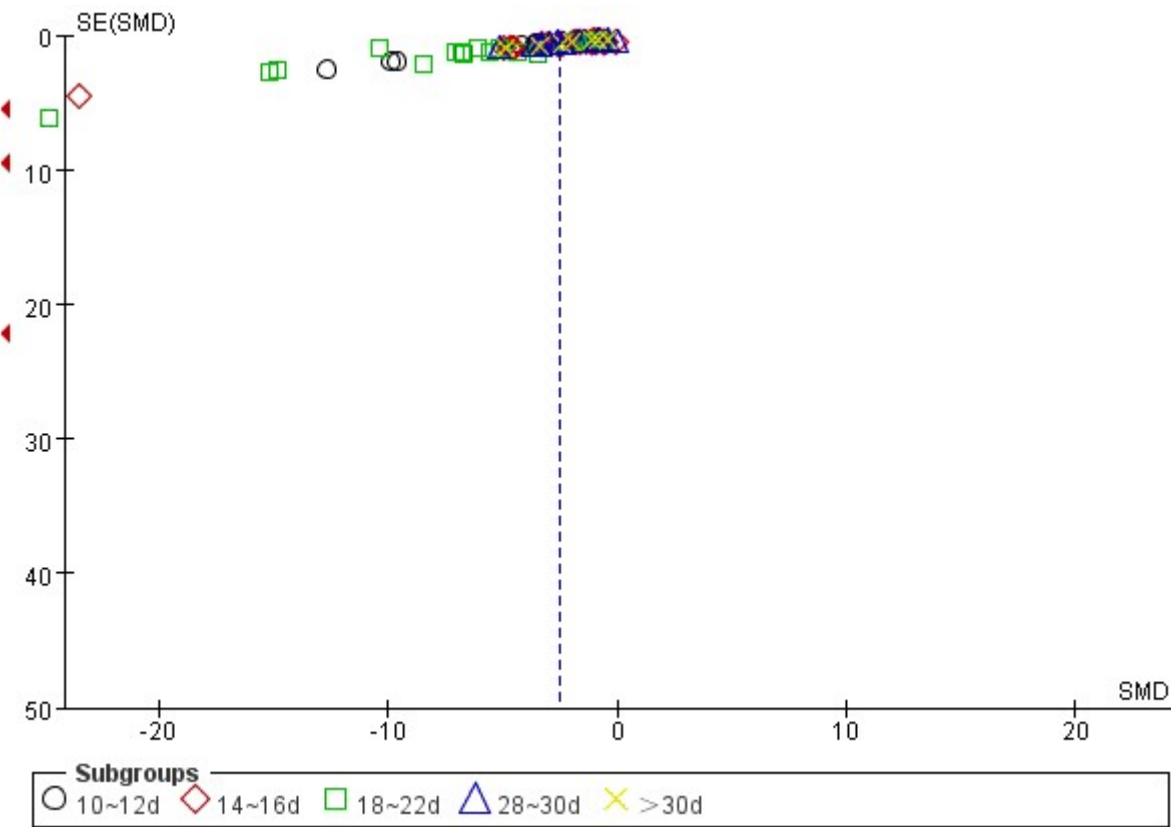
7.3.3 18~22d

Cai pingping2006	1.2%	-1.03 [-2.10, 0.03]	
Cai pingping2006	1.2%	-0.85 [-1.89, 0.18]	
Chang Hui2011	1.2%	-2.18 [-3.23, -1.14]	
Deng Ali2009	1.3%	-0.89 [-1.67, -0.10]	
Deng Ali 2009	0.7%	-3.50 [-6.28, -0.72]	
Deng Disi2018	1.3%	-0.96 [-1.90, -0.02]	
Deng Disi2018	1.3%	-1.10 [-2.05, -0.14]	
Deng Disi2018	1.3%	-0.59 [-1.49, 0.31]	
Huang Wei2018	0.0%	-88.92 [-132.34, -45.50]	◀
Hu Qingru2017	1.0%	-6.12 [-7.93, -4.31]	
Lin Wei2022	0.1%	-29.38 [-40.28, -18.48]	←
Lin Wei2022	0.0%	-54.15 [-72.89, -35.40]	◀
Liu Runxia2008	0.3%	-14.85 [-20.06, -9.64]	
Liu Runxia2008	0.3%	-15.16 [-20.48, -9.85]	
Meng Jun2011	1.2%	-0.59 [-1.60, 0.42]	
Mo Yang 2020	0.8%	-6.82 [-9.34, -4.30]	
Tao Chong2022	0.8%	-4.37 [-6.78, -1.95]	
Tao Chong2022	0.1%	-24.89 [-37.09, -12.68]	←
Tao Chong2022	0.4%	-8.44 [-12.71, -4.17]	
Xu Daoli2022	0.8%	-5.59 [-8.02, -3.15]	
Xu Daoli2022	0.7%	-6.76 [-9.63, -3.89]	
Zhang Chun2018	1.3%	-0.59 [-1.49, 0.31]	
Zhang Chun2018	1.3%	-0.96 [-1.90, -0.02]	
Zhang Chun2018	1.3%	-1.10 [-2.05, -0.14]	
Zhao Lina2014	1.2%	-1.91 [-3.05, -0.78]	
Zhao Lina2014	1.1%	-3.13 [-4.57, -1.69]	
Zheng Jun2015	1.2%	-1.28 [-2.38, -0.17]	
Zheng Jun2015	1.2%	-1.04 [-2.10, 0.02]	
Zhou Xiaoxiu2012	1.0%	-5.14 [-6.92, -3.36]	
Zhou Xiaoxiu2012	0.8%	-7.12 [-9.46, -4.77]	
Zhou Yang2021	0.9%	-10.36 [-12.34, -8.37]	
Zhu Shanshan2008	1.3%	-0.70 [-1.61, 0.21]	



Forest plot of comparison: 7 亚组分析t, outcome: 7.3 Treatment time.

Figure 20 (Analysis 7.3)



Funnel plot of comparison: 7 亚组分析t, outcome: 7.3 Treatment time.

Figure 21 (Analysis 7.4)

Study or Subgroup	Weight	Std. Mean Difference		Std. Mean Difference
		IV, Random, 95% CI		
7.4.1 Enzyme linked immunosorbent assay				
Guo Yinhua2016	1.2%	-1.39	[-2.39, -0.39]	
He Jialun2022	1.2%	-1.78	[-2.85, -0.71]	
Huang Wei2018	0.0%	-88.92	[-132.34, -45.50]	
Hu Qingru2017	1.0%	-6.12	[-7.93, -4.31]	
JIn JIng2023	1.1%	-2.41	[-3.78, -1.04]	
Liang Jing2013	1.0%	-5.02	[-6.96, -3.07]	
Liang Jing2013	1.0%	-4.51	[-6.30, -2.72]	
Lin Anying2023	1.1%	-3.24	[-4.66, -1.82]	
LIn Wei2022	0.0%	-54.15	[-72.89, -35.40]	
LIn Wei2022	0.1%	-29.38	[-40.28, -18.48]	
Liu Hejing2023	0.5%	-9.61	[-13.56, -5.65]	
Liu Hejing2023	0.3%	-12.63	[-17.76, -7.49]	
Liu Hejing2023	0.5%	-9.83	[-13.87, -5.79]	
Ma Manhua2010	1.1%	-3.33	[-4.87, -1.79]	
Mo Yang 2020	0.8%	-6.82	[-9.34, -4.30]	
Pan Wen2015	1.3%	-1.18	[-1.86, -0.49]	
Pan Wen2015	1.3%	-0.91	[-1.58, -0.25]	
Pan Wen2015	1.3%	-0.42	[-1.06, 0.21]	
Sun Wanying2018	1.2%	-2.46	[-3.68, -1.24]	
Sun Wanying2018	1.2%	-1.65	[-2.70, -0.61]	
Sun Wanying2018	1.2%	-1.41	[-2.41, -0.41]	
Tao Chong2022	0.4%	-8.44	[-12.71, -4.17]	
Tao Chong2022	0.1%	-24.89	[-37.09, -12.68]	
Tao Chong2022	0.8%	-4.37	[-6.78, -1.95]	
Wang Xudong2021	1.0%	-3.41	[-5.09, -1.73]	
Wang Xudong2021	1.2%	-1.46	[-2.60, -0.32]	

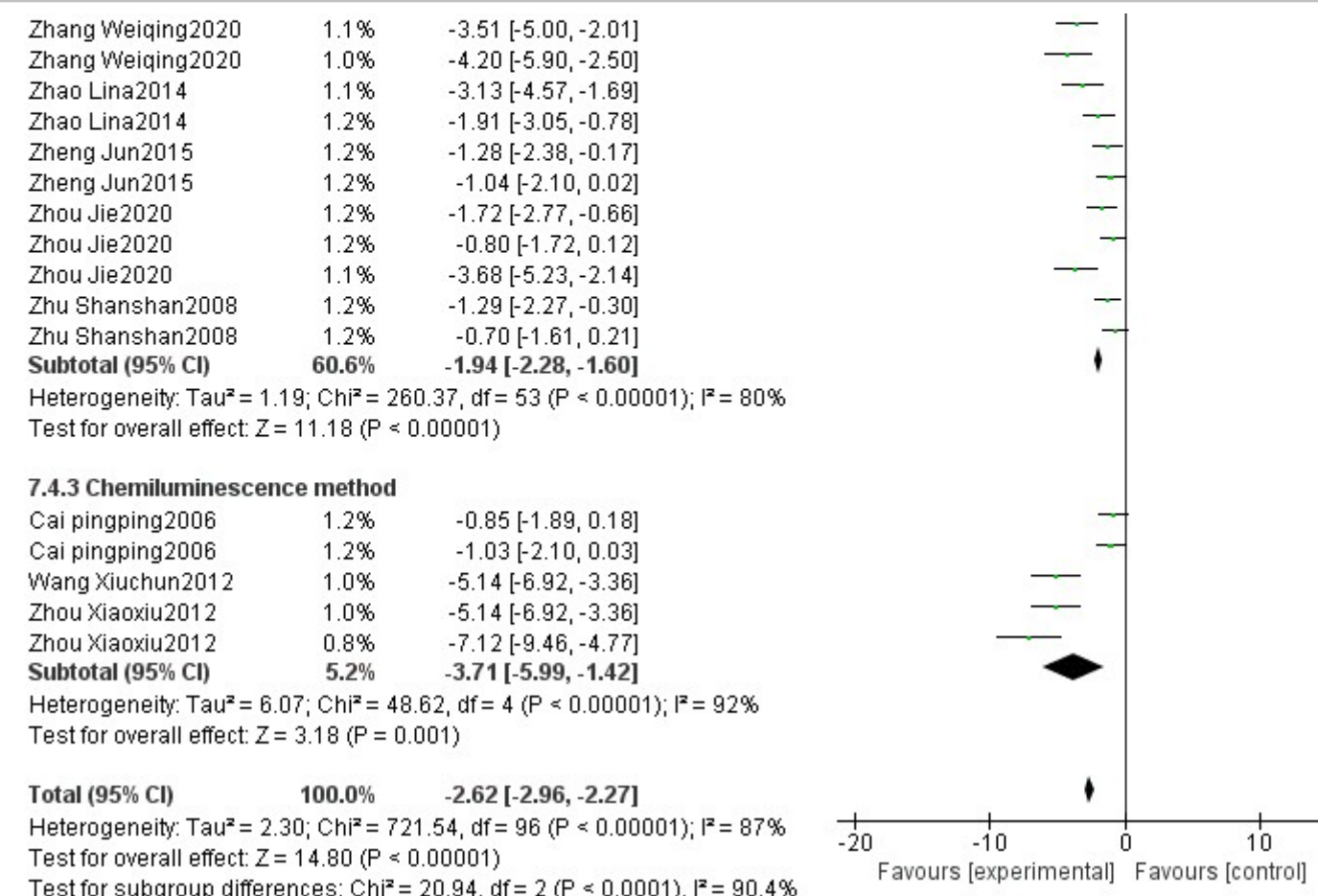
Xiao Hui2020	0.8%	-4.18 [-6.66, -1.70]	
Xu Daoli2022	0.8%	-5.59 [-8.02, -3.15]	
Xu Daoli2022	0.7%	-6.76 [-9.63, -3.89]	
Yan Xue2022	0.6%	-9.79 [-12.92, -6.66]	
Zhang Bingjie2016	1.2%	-0.02 [-0.89, 0.86]	
Zhang Chun2018	1.2%	-0.96 [-1.90, -0.02]	
Zhang Chun2018	1.2%	-1.10 [-2.05, -0.14]	
Zhang Chun2018	1.2%	-0.59 [-1.49, 0.31]	
Zhang Minghao2022	1.1%	-2.96 [-4.31, -1.61]	
Zhang Minghao2022	1.2%	-2.52 [-3.76, -1.29]	
Zhang Minghao2022	1.2%	-2.39 [-3.59, -1.18]	
Zhou Yang2021	0.9%	-10.36 [-12.34, -8.37]	
Subtotal (95% CI)	34.2%	-3.82 [-4.59, -3.05]	

Heterogeneity: $\tau^2 = 4.35$; $\chi^2 = 397.32$, $df = 37$ ($P < 0.00001$); $I^2 = 91\%$

Test for overall effect: $Z = 9.75$ ($P < 0.00001$)

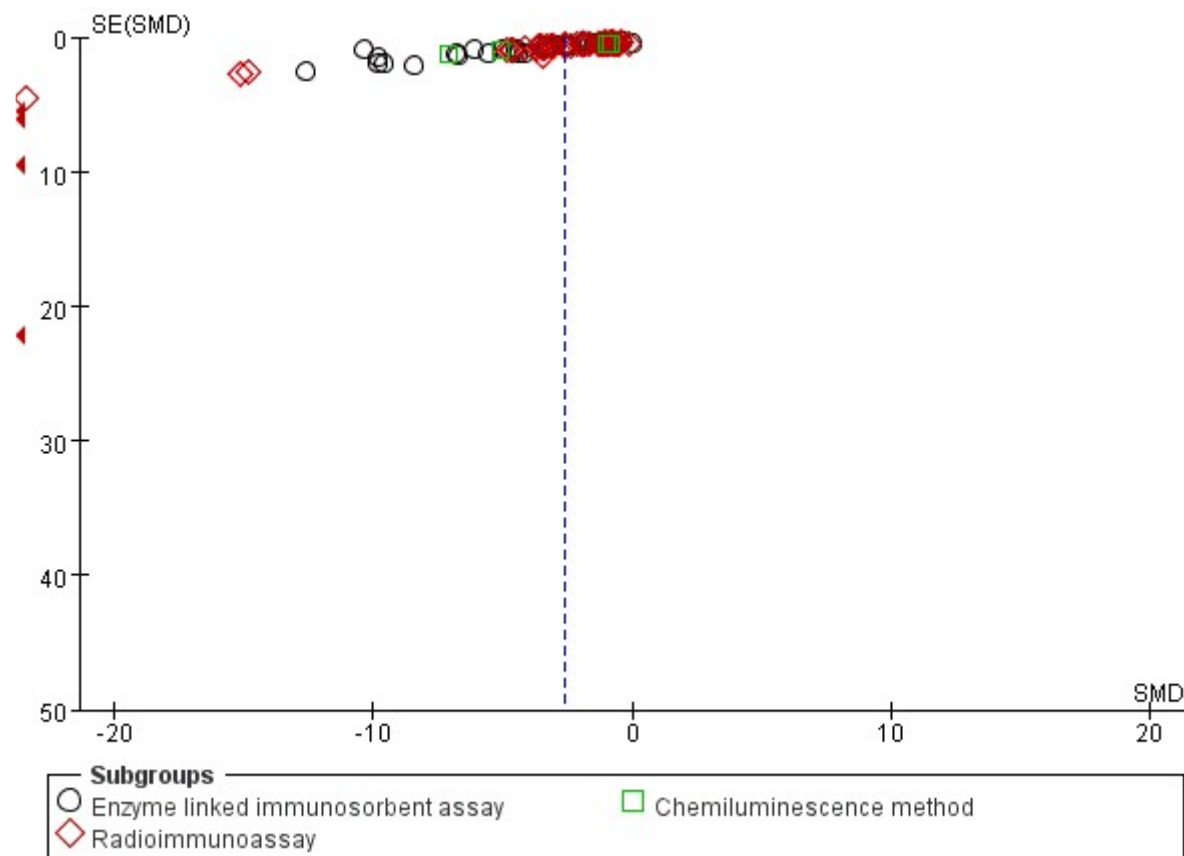
7.4.2 Radioimmunoassay

Bai Rui2009	1.1%	-2.66 [-3.93, -1.39]	
Bai Rui2009	1.2%	-1.89 [-2.99, -0.80]	
Bai Rui2009	1.2%	-1.89 [-2.99, -0.80]	
Chang Hui2011	1.2%	-2.18 [-3.23, -1.14]	
Chen Yang2010	1.2%	-1.82 [-2.90, -0.74]	
Chen Yang2010	1.2%	-0.61 [-1.51, 0.30]	
Chen Ying2017	1.2%	-1.66 [-2.77, -0.55]	
Chen Ying2017	1.2%	-0.55 [-1.49, 0.40]	
Deng Ali2009	1.3%	-0.89 [-1.67, -0.10]	
Deng Ali 2009	0.7%	-3.50 [-6.28, -0.72]	
Deng Disi2018	1.2%	-0.59 [-1.49, 0.31]	
Deng Disi2018	1.2%	-1.10 [-2.05, -0.14]	
Deng Disi2018	1.2%	-0.96 [-1.90, -0.02]	
Feng Guangrong2009	1.1%	-3.30 [-4.74, -1.86]	
Feng Guangrong2009	1.0%	-4.62 [-6.44, -2.80]	
He Shuying2006	1.1%	-3.60 [-4.98, -2.23]	
Hu Xiaohua2013	1.1%	-3.06 [-4.43, -1.68]	
Hu Xiaohua2013	1.2%	-1.89 [-2.99, -0.80]	
Jiang Xiaolin2009	0.1%	-23.51 [-32.25, -14.77]	←
Jiang Xiaolin2009	0.9%	-4.69 [-6.66, -2.73]	
Li Caixia2008	1.2%	-2.40 [-3.61, -1.20]	
Li Jiahui2014	1.3%	-0.86 [-1.65, -0.06]	
Li Jiahui2014	1.2%	-2.62 [-3.68, -1.55]	
Lin Hui2014	1.0%	-4.85 [-6.75, -2.96]	
Lin Hui2014	1.1%	-3.38 [-4.85, -1.92]	
Lin Hui2014	1.2%	-2.03 [-3.15, -0.90]	
Li Q2009	1.3%	-1.08 [-1.88, -0.28]	
Liu Minxin2006	1.2%	-0.59 [-1.48, 0.31]	
Liu Minxin2006	1.2%	-1.17 [-2.14, -0.20]	
Liu Minxin2006	1.2%	-1.10 [-2.06, -0.15]	
Liu Runxia2008	0.3%	-15.16 [-20.48, -9.85]	
Liu Runxia2008	0.3%	-14.85 [-20.06, -9.64]	
Li Xilian2008	1.3%	-0.46 [-1.19, 0.27]	
Luo Furong2018	1.2%	-0.96 [-1.90, -0.02]	
Luo Furong2018	1.2%	-0.59 [-1.49, 0.31]	
Luo Furong2018	1.2%	-1.10 [-2.05, -0.14]	
Meng Jun2011	1.2%	-0.59 [-1.60, 0.42]	
Niu Yongli2022	1.3%	-0.75 [-1.39, -0.10]	
Tan Zhenyu 2006	1.1%	-3.53 [-4.88, -2.17]	
Tan Zhenyu 2006	1.2%	-3.10 [-4.34, -1.85]	
Wang Cuixia2009	1.1%	-2.61 [-3.94, -1.27]	
Wang Cuixia2009	1.2%	-0.12 [-1.02, 0.78]	
Zhang Weiqing2020	1.2%	-1.26 [-2.24, -0.28]	



Forest plot of comparison: 7 subgroup t, outcome: 7.4 hormone measurement methods.

Figure 22 (Analysis 7.4)



Funnel plot of comparison: 7 subgroup t, outcome: 7.4 hormone measurement methods.

Figure 23 (Analysis 8.1)

Study or Subgroup	Weight	Std. Mean Difference IV, Random, 95% CI	Std. Mean Difference IV, Random, 95% CI
8.1.1 Bushen Huoxue			
Cai pingping2006	2.0%	0.36 [-0.63, 1.35]	
Cai pingping2006	2.0%	0.49 [-0.51, 1.49]	
He Shuying2006	1.8%	3.27 [1.98, 4.55]	
Sun Wanying2018	1.5%	-5.27 [-7.29, -3.25]	
Sun Wanying2018	2.0%	-0.49 [-1.38, 0.40]	
Sun Wanying2018	2.0%	-1.23 [-2.21, -0.26]	
Tao Chong2022	1.4%	3.83 [1.65, 6.02]	
Tao Chong2022	0.7%	8.56 [4.23, 12.89]	
Tao Chong2022	1.2%	4.99 [2.31, 7.68]	
Subtotal (95% CI)	14.6%	1.17 [-0.43, 2.77]	
Heterogeneity: $\tau^2 = 5.04$; $\chi^2 = 97.89$, $df = 8$ ($P < 0.00001$); $I^2 = 92\%$			
Test for overall effect: $Z = 1.43$ ($P = 0.15$)			
8.1.2 Bushen Huantan			
Deng Disi2018	2.0%	0.87 [-0.05, 1.80]	
Deng Disi2018	2.0%	1.13 [0.17, 2.09]	
Deng Disi2018	2.0%	0.21 [-0.67, 1.09]	
Jiang Xiaolin2009	2.0%	-0.11 [-1.04, 0.82]	
Jiang Xiaolin2009	2.0%	0.39 [-0.55, 1.33]	
Li Jiahui2014	2.0%	-1.22 [-2.05, -0.39]	
Li Jiahui2014	2.1%	-0.77 [-1.56, 0.01]	
Liu2022	1.1%	9.31 [6.32, 12.30]	
Liu2022	1.4%	7.08 [4.75, 9.42]	
Liu2022	1.6%	5.50 [3.62, 7.38]	
Liu Runxia2008	0.7%	12.53 [8.11, 16.95]	

Liu Runxia2008	2.0%	0.52 [-0.37, 1.42]
Niu Yongli2022	2.1%	-0.74 [-1.39, -0.10]
Wang Cuixia2009	2.0%	-0.02 [-0.92, 0.88]
Wang Cuixia2009	2.0%	-0.03 [-0.96, 0.89]
Zhang Chun2018	2.0%	0.87 [-0.05, 1.80]
Zhang Chun2018	2.0%	1.13 [0.17, 2.09]
Zhang Chun2018	2.0%	0.21 [-0.67, 1.09]
Subtotal (95% CI)	33.0%	1.25 [0.50, 2.00]

Heterogeneity: $\tau^2 = 2.20$; $\chi^2 = 166.88$, $df = 17$ ($P < 0.00001$); $I^2 = 90\%$
 Test for overall effect: $Z = 3.25$ ($P = 0.001$)

8.1.3 Bushen Tiaozhou

Bai Rui2009	1.5%	5.06 [3.11, 7.02]
Bai Rui2009	1.9%	2.15 [1.00, 3.29]
Bai Rui2009	1.9%	2.00 [0.89, 3.12]
Lin Anying2023	2.0%	1.55 [0.52, 2.57]
Subtotal (95% CI)	7.3%	2.45 [1.31, 3.58]

Heterogeneity: $\tau^2 = 0.91$; $\chi^2 = 9.90$, $df = 3$ ($P = 0.02$); $I^2 = 70\%$
 Test for overall effect: $Z = 4.23$ ($P < 0.0001$)

8.1.4 Bushen Tiaojing

Feng Guangrong2009	2.0%	0.39 [-0.50, 1.28]
Feng Guangrong2009	2.0%	0.12 [-0.76, 1.00]
Hu Xiaohua2013	1.2%	7.66 [4.87, 10.46]
Hu Xiaohua2013	1.1%	8.48 [5.42, 11.54]
Zhao Lina2014	2.0%	0.98 [0.04, 1.92]
Zhao Lina2014	1.9%	-2.19 [-3.39, -1.00]
Zhao Lina2014	1.8%	-2.61 [-3.91, -1.32]
Subtotal (95% CI)	12.0%	1.35 [-0.47, 3.18]

Heterogeneity: $\tau^2 = 5.33$; $\chi^2 = 91.78$, $df = 6$ ($P < 0.00001$); $I^2 = 93\%$
 Test for overall effect: $Z = 1.46$ ($P = 0.15$)

8.1.5 Bushen Huayu

Lin Hui2014	2.0%	1.44 [0.44, 2.45]
Lin Hui2014	1.9%	2.63 [1.37, 3.89]
Lin Hui2014	2.0%	0.99 [0.05, 1.93]
Pan Wen2015	2.1%	-0.61 [-1.25, 0.04]
Pan Wen2015	2.1%	-0.66 [-1.31, -0.02]
Pan Wen2015	2.1%	-0.75 [-1.41, -0.10]
Subtotal (95% CI)	12.1%	0.41 [-0.53, 1.35]

Heterogeneity: $\tau^2 = 1.19$; $\chi^2 = 41.16$, $df = 5$ ($P < 0.00001$); $I^2 = 88\%$
 Test for overall effect: $Z = 0.85$ ($P = 0.40$)

8.1.6 Bushen Cupai

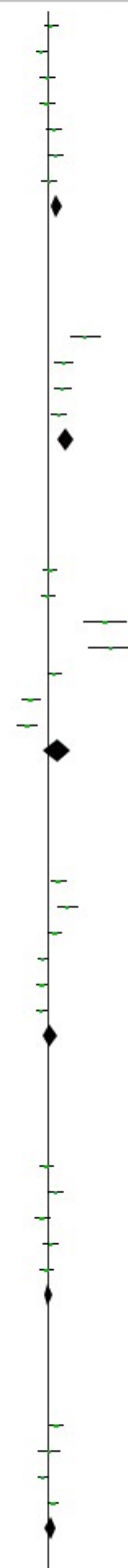
Guo Yinhua2016	2.0%	-0.02 [-0.90, 0.85]
Zhang Bingjie2016	2.0%	1.14 [0.18, 2.10]
Zhou Jie2020	2.0%	-0.66 [-1.57, 0.24]
Zhou Jie2020	2.0%	0.43 [-0.45, 1.32]
Zhou Jie2020	2.0%	-0.04 [-0.92, 0.83]
Subtotal (95% CI)	10.1%	0.16 [-0.41, 0.72]

Heterogeneity: $\tau^2 = 0.21$; $\chi^2 = 7.90$, $df = 4$ ($P = 0.10$); $I^2 = 49\%$
 Test for overall effect: $Z = 0.54$ ($P = 0.59$)

8.1.7 Bushen Huatan Quyu

Deng Ali2009	2.0%	1.21 [0.39, 2.02]
Deng Ali2009	1.8%	0.26 [-1.13, 1.66]
Xu Caifeng2013	2.1%	-0.53 [-1.24, 0.18]
Xu Caifeng2013	2.1%	0.78 [0.05, 1.50]
Subtotal (95% CI)	8.0%	0.43 [-0.41, 1.27]

Heterogeneity: $\tau^2 = 0.52$; $\chi^2 = 11.48$, $df = 3$ ($P = 0.009$); $I^2 = 74\%$



Test for overall effect: $Z = 1.01$ ($P = 0.31$)

8.1.9 Ziyin Bushen

Lin Wei2022 0.7% 12.50 [8.09, 16.91]

Lin Wei2022 0.2% 28.59 [17.98, 39.19]

Mo Yang 2020 2.0% 0.90 [-0.03, 1.83]

Subtotal (95% CI) 2.8% 12.91 [0.52, 25.29]

Heterogeneity: $\tau^2 = 109.54$; $\chi^2 = 50.48$, $df = 2$ ($P < 0.00001$); $I^2 = 96\%$

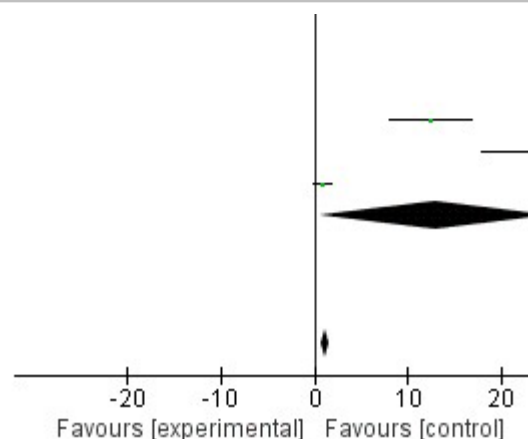
Test for overall effect: $Z = 2.04$ ($P = 0.04$)

Total (95% CI) 100.0% 1.11 [0.68, 1.55]

Heterogeneity: $\tau^2 = 2.26$; $\chi^2 = 529.02$, $df = 55$ ($P < 0.00001$); $I^2 = 90\%$

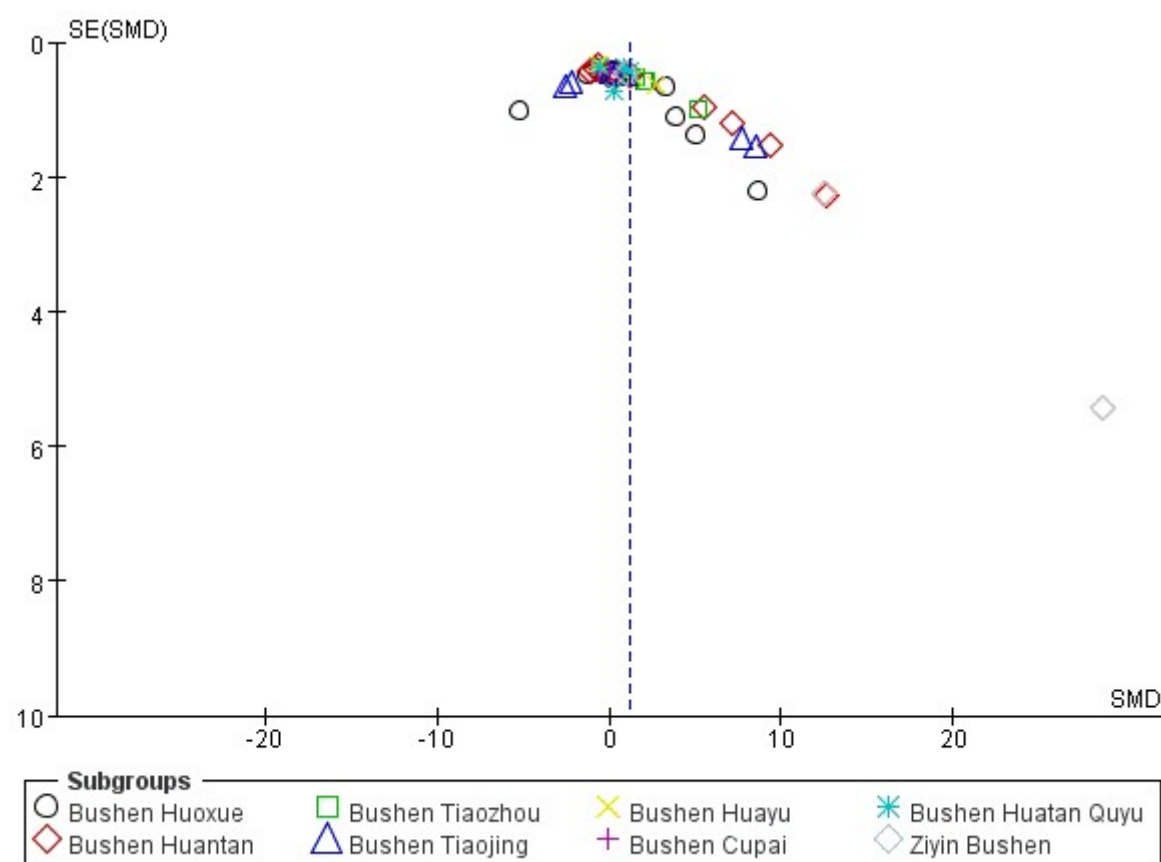
Test for overall effect: $Z = 4.99$ ($P < 0.00001$)

Test for subgroup differences: $\chi^2 = 19.99$, $df = 7$ ($P = 0.006$), $I^2 = 65.0\%$



Forest plot of comparison: 8 Subgroup fsh, outcome: 8.1 ZHIFA.

Figure 24 (Analysis 8.1)



Funnel plot of comparison: 8 Subgroup fsh, outcome: 8.1 ZHIFA.

Figure 25 (Analysis 8.2)

Study or Subgroup	Weight	Std. Mean Difference	Std. Mean Difference
		IV, Random, 95% CI	IV, Random, 95% CI
8.2.1 poretsky			
Cai pingping2006	1.3%	0.36 [-0.63, 1.35]	
Cai pingping2006	1.3%	0.49 [-0.51, 1.49]	
Chen Ying2017	1.3%	-1.24 [-2.28, -0.21]	
Chen Ying2017	1.3%	-0.43 [-1.37, 0.51]	
Deng Ali2009	1.2%	0.26 [-1.13, 1.66]	
Feng Guangrong2009	1.3%	0.39 [-0.50, 1.28]	
Feng Guangrong2009	1.3%	0.12 [-0.78, 1.00]	

Feng Guangrong2009	1.3%	0.12 [-0.76, 1.00]	
Liang Jing2013	1.3%	0.79 [-0.13, 1.71]	
Liang Jing2013	1.3%	0.91 [-0.02, 1.84]	
Li Caixia2008	0.8%	7.06 [4.47, 9.66]	
Li Caixia2008	0.8%	7.06 [4.47, 9.66]	
Lin Anying2023	1.3%	1.55 [0.52, 2.57]	
Liu Hejing2023	0.5%	10.10 [5.95, 14.25]	
Liu Hejing2023	0.4%	11.48 [6.80, 16.17]	
Liu Hejing2023	0.5%	9.64 [5.67, 13.62]	
Liu Minxin2006	1.3%	-1.44 [-2.44, -0.43]	
Liu Minxin2006	1.3%	-0.40 [-1.29, 0.49]	
Liu Minxin2006	1.3%	-1.25 [-2.23, -0.28]	
Liu Runxia2008	1.3%	0.52 [-0.37, 1.42]	
Liu Runxia2008	0.5%	12.53 [8.11, 16.95]	
Luo Furong2018	1.3%	0.87 [-0.05, 1.80]	
Luo Furong2018	1.3%	1.13 [0.17, 2.09]	
Luo Furong2018	1.3%	0.21 [-0.67, 1.09]	
Wang Cuixia2009	1.3%	-0.03 [-0.96, 0.89]	
Wang Cuixia2009	1.3%	-0.02 [-0.92, 0.88]	
Zhang Bingjie2016	1.3%	1.14 [0.18, 2.10]	
Zhao Lina2014	1.3%	0.98 [0.04, 1.92]	
Zhao Lina2014	1.2%	-2.61 [-3.91, -1.32]	
Zhao Lina2014	1.3%	-2.19 [-3.39, -1.00]	
Subtotal (95% CI)	33.8%	0.97 [0.35, 1.58]	

Heterogeneity: $\tau^2 = 2.26$; $\chi^2 = 235.97$, $df = 28$ ($P < 0.00001$); $I^2 = 88\%$

Test for overall effect: $Z = 3.08$ ($P = 0.002$)

8.2.2 Aromatase inhibitor modeling method

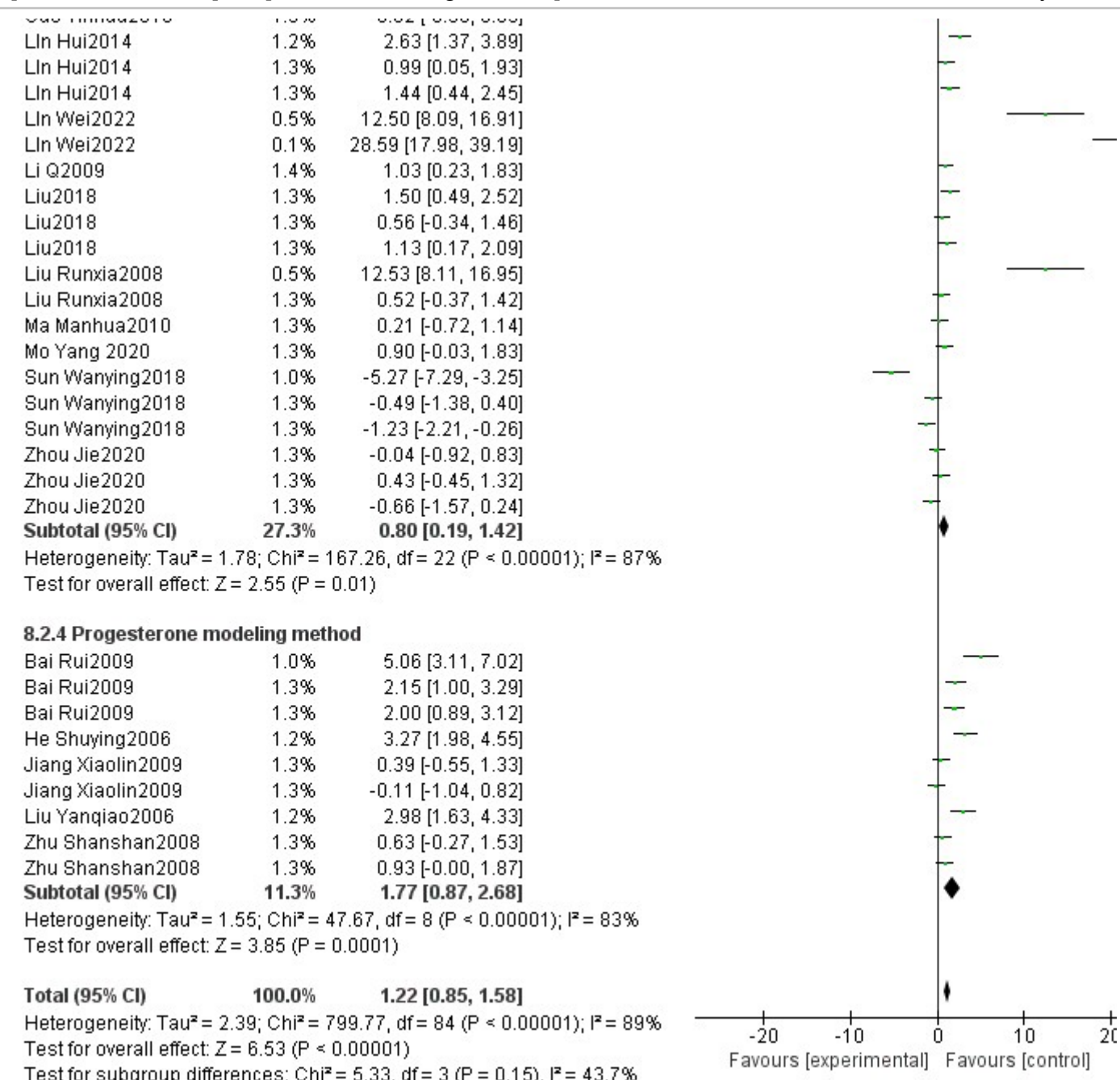
Hu Qingru2017	1.0%	3.16 [1.13, 5.19]	
Li Jiahui2014	1.4%	-0.77 [-1.56, 0.01]	
Li Jiahui2014	1.4%	-1.22 [-2.05, -0.39]	
Liu2022	1.1%	5.50 [3.62, 7.38]	
Liu2022	0.9%	7.08 [4.75, 9.42]	
Liu2022	0.7%	9.31 [6.32, 12.30]	
Niu Yongli2022	1.4%	-0.74 [-1.39, -0.10]	
Pan Wen2015	1.4%	-0.61 [-1.25, 0.04]	
Pan Wen2015	1.4%	-0.75 [-1.41, -0.10]	
Pan Wen2015	1.4%	-0.66 [-1.31, -0.02]	
Tao Chong2022	1.0%	3.83 [1.65, 6.02]	
Tao Chong2022	0.8%	4.99 [2.31, 7.68]	
Tao Chong2022	0.5%	8.56 [4.23, 12.89]	
Xiao Hui2020	1.0%	3.16 [1.13, 5.19]	
Xu Caifeng2013	1.4%	-0.53 [-1.24, 0.18]	
Xu Caifeng2013	1.4%	0.78 [0.05, 1.50]	
Zhang Chun2018	1.3%	0.87 [-0.05, 1.80]	
Zhang Minghao2022	0.9%	6.23 [3.90, 8.55]	
Zhang Minghao2022	0.9%	5.95 [3.71, 8.18]	
Zhang Minghao2022	1.2%	3.65 [2.12, 5.19]	
Zheng Jun2015	1.3%	-0.52 [-1.52, 0.49]	
Zheng Jun2015	1.3%	0.75 [-0.27, 1.78]	
Zhou Xiaoxiu2012	1.4%	-0.60 [-1.43, 0.22]	
Zhou Xiaoxiu2012	1.3%	-2.70 [-3.86, -1.54]	
Subtotal (95% CI)	27.6%	1.72 [0.92, 2.51]	

Heterogeneity: $\tau^2 = 3.29$; $\chi^2 = 306.38$, $df = 23$ ($P < 0.00001$); $I^2 = 92\%$

Test for overall effect: $Z = 4.23$ ($P < 0.0001$)

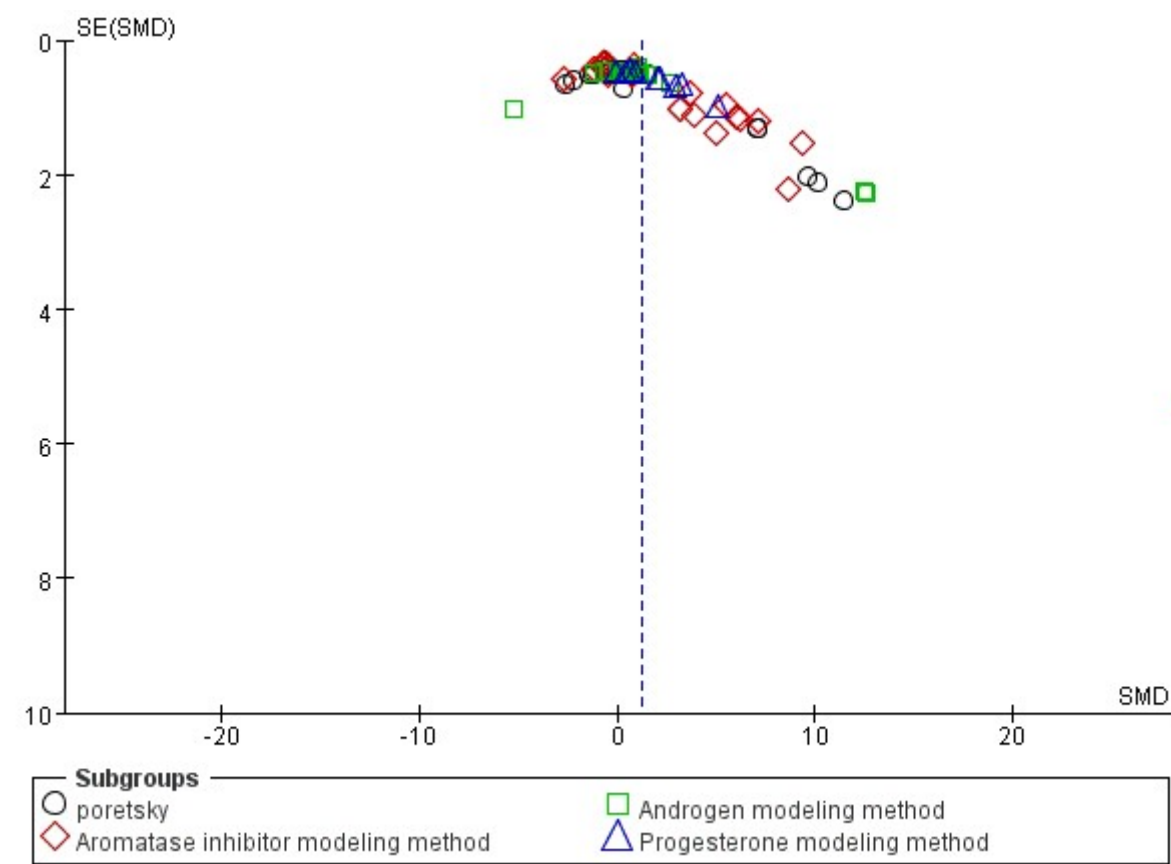
8.2.3 Androgen modeling method

Deng Disi2018	1.3%	0.87 [-0.05, 1.80]	
Deng Disi2018	1.3%	0.21 [-0.67, 1.09]	
Deng Disi2018	1.3%	1.13 [0.17, 2.09]	
Guo Yinhua2016	1.3%	-0.02 [-0.90, 0.85]	



Forest plot of comparison: 8 Subgroup fsh, outcome: 8.2 modeling methods.

Figure 26 (Analysis 8.2)



Funnel plot of comparison: 8 Subgroup fsh, outcome: 8.2 modeling methods.

Figure 27 (Analysis 8.3)

Study or Subgroup	Weight	Std. Mean Difference IV, Random, 95% CI	Std. Mean Difference IV, Random, 95% CI
8.3.1 10~12d			
Guo Yinhua2016	1.3%	-0.02 [-0.90, 0.85]	
He Shuying2006	1.2%	3.27 [1.98, 4.55]	
Liu2022	1.0%	5.50 [3.62, 7.38]	
Liu2022	0.9%	7.08 [4.75, 9.42]	
Liu2022	0.7%	9.31 [6.32, 12.30]	
Liu Hejing2023	0.6%	9.64 [5.67, 13.62]	
Liu Hejing2023	0.4%	11.48 [6.80, 16.17]	
Liu Hejing2023	0.5%	10.10 [5.95, 14.25]	
Zhang Weiqing2020	1.2%	2.42 [1.21, 3.63]	
Zhang Weiqing2020	1.2%	1.97 [0.86, 3.08]	
Zhang Weiqing2020	1.3%	1.07 [0.12, 2.02]	
Subtotal (95% CI)	10.5%	4.92 [3.21, 6.63]	
Heterogeneity: Tau ² = 6.88; Chi ² = 125.80, df = 10 (P < 0.00001); I ² = 92%			
Test for overall effect: Z = 5.63 (P < 0.00001)			
8.3.2 14~16d			
Bai Rui2009	1.2%	2.15 [1.00, 3.29]	
Bai Rui2009	1.2%	2.00 [0.89, 3.12]	
Bai Rui2009	1.0%	5.06 [3.11, 7.02]	
Chen Ying2017	1.3%	-1.24 [-2.28, -0.21]	
Chen Ying2017	1.3%	-0.43 [-1.37, 0.51]	
Feng Guangrong2009	1.3%	0.39 [-0.50, 1.28]	
Feng Guangrong2009	1.3%	0.12 [-0.76, 1.00]	
Hu Xiaohua2013	0.7%	8.48 [5.42, 11.54]	
Hu Xiaohua2013	0.8%	7.66 [4.87, 10.46]	

Liang Jing2013	1.3%	0.79 [-0.13, 1.71]
Liang Jing2013	1.3%	0.91 [-0.02, 1.84]
Lin Anying2023	1.3%	1.55 [0.52, 2.57]
Li Q2009	1.3%	1.03 [0.23, 1.83]
Liu Minxin2006	1.3%	-1.25 [-2.23, -0.28]
Liu Minxin2006	1.3%	-1.44 [-2.44, -0.43]
Liu Minxin2006	1.3%	-0.40 [-1.29, 0.49]
Liu Yanqiao2006	1.2%	2.98 [1.63, 4.33]
Luo Furong2018	1.3%	0.87 [-0.05, 1.80]
Luo Furong2018	1.3%	1.13 [0.17, 2.09]
Luo Furong2018	1.3%	0.21 [-0.67, 1.09]
Niu Yongli2022	1.3%	-0.74 [-1.39, -0.10]
Sun Wanying2018	1.3%	-1.23 [-2.21, -0.26]
Sun Wanying2018	1.0%	-5.27 [-7.29, -3.25]
Sun Wanying2018	1.3%	-0.49 [-1.38, 0.40]
Wang Cuixia2009	1.3%	-0.03 [-0.96, 0.89]
Wang Cuixia2009	1.3%	-0.02 [-0.92, 0.88]
Subtotal (95% CI)	31.8%	0.60 [0.02, 1.19]

Heterogeneity: $\tau^2 = 1.96$; $\chi^2 = 213.81$, $df = 25$ ($P < 0.00001$); $I^2 = 88\%$

Test for overall effect: $Z = 2.02$ ($P = 0.04$)

8.3.3 18~22d

Cai pingping2006	1.3%	0.36 [-0.63, 1.35]
Cai pingping2006	1.3%	0.49 [-0.51, 1.49]
Deng Ali2009	1.2%	0.26 [-1.13, 1.66]
Deng Disi2018	1.3%	0.87 [-0.05, 1.80]
Deng Disi2018	1.3%	1.13 [0.17, 2.09]
Deng Disi2018	1.3%	0.21 [-0.67, 1.09]
Hu Qingru2017	1.0%	3.16 [1.13, 5.19]
Lin Wei2022	0.1%	28.59 [17.98, 39.19]
Lin Wei2022	0.5%	12.50 [8.09, 16.91]
Liu2018	1.3%	0.56 [-0.34, 1.46]
Liu2018	1.3%	1.13 [0.17, 2.09]
Liu2018	1.3%	1.50 [0.49, 2.52]
Liu Runxia2008	0.5%	12.53 [8.11, 16.95]
Liu Runxia2008	1.3%	0.52 [-0.37, 1.42]
Mo Yang 2020	1.3%	0.90 [-0.03, 1.83]
Tao Chong2022	0.5%	8.56 [4.23, 12.89]
Tao Chong2022	0.8%	4.99 [2.31, 7.68]
Tao Chong2022	1.0%	3.83 [1.65, 6.02]
Xiao Hui2020	1.0%	3.16 [1.13, 5.19]
Xu Caifeng2013	1.3%	0.78 [0.05, 1.50]
Xu Caifeng2013	1.3%	-0.53 [-1.24, 0.18]
Xu Daoli2022	1.2%	-2.08 [-3.37, -0.80]
Xu Daoli2022	1.2%	-2.19 [-3.51, -0.88]
Zhang Chun2018	1.3%	0.87 [-0.05, 1.80]
Zhao Lina2014	1.3%	0.98 [0.04, 1.92]
Zhao Lina2014	1.2%	-2.19 [-3.39, -1.00]
Zhao Lina2014	1.2%	-2.61 [-3.91, -1.32]
Zheng Jun2015	1.3%	0.75 [-0.27, 1.78]
Zheng Jun2015	1.3%	-0.52 [-1.52, 0.49]
Zhou Xiaoxiu2012	1.2%	-2.70 [-3.86, -1.54]
Zhou Xiaoxiu2012	1.3%	-0.60 [-1.43, 0.22]
Zhu Shanshan2008	1.3%	0.93 [-0.00, 1.87]
Zhu Shanshan2008	1.3%	0.63 [-0.27, 1.53]
Subtotal (95% CI)	37.2%	0.85 [0.27, 1.42]

Heterogeneity: $\tau^2 = 2.22$; $\chi^2 = 261.45$, $df = 32$ ($P < 0.00001$); $I^2 = 88\%$

Test for overall effect: $Z = 2.89$ ($P = 0.004$)

8.3.4 28~30d

Li Jiahui2014	1.3%	-0.77 [-1.56, 0.01]
Li Jiahui2014	1.3%	-1.22 [-2.05, -0.39]
Ma Manhua2010	1.3%	0.21 [-0.72, 1.14]
Yan Xue2022	1.1%	-5.21 [-7.01, -3.41]
Zhang Minghao2022	0.9%	6.23 [3.90, 8.55]
Zhang Minghao2022	0.9%	5.95 [3.71, 8.18]
Zhang Minghao2022	1.1%	3.65 [2.12, 5.19]
Zhou Jie2020	1.3%	-0.66 [-1.57, 0.24]
Zhou Jie2020	1.3%	0.43 [-0.45, 1.32]
Zhou Jie2020	1.3%	-0.04 [-0.92, 0.83]
Subtotal (95% CI)	11.9%	0.66 [-0.62, 1.94]

Heterogeneity: $\tau^2 = 3.78$; $\chi^2 = 123.49$, $df = 9$ ($P < 0.00001$); $I^2 = 93\%$
 Test for overall effect: $Z = 1.02$ ($P = 0.31$)

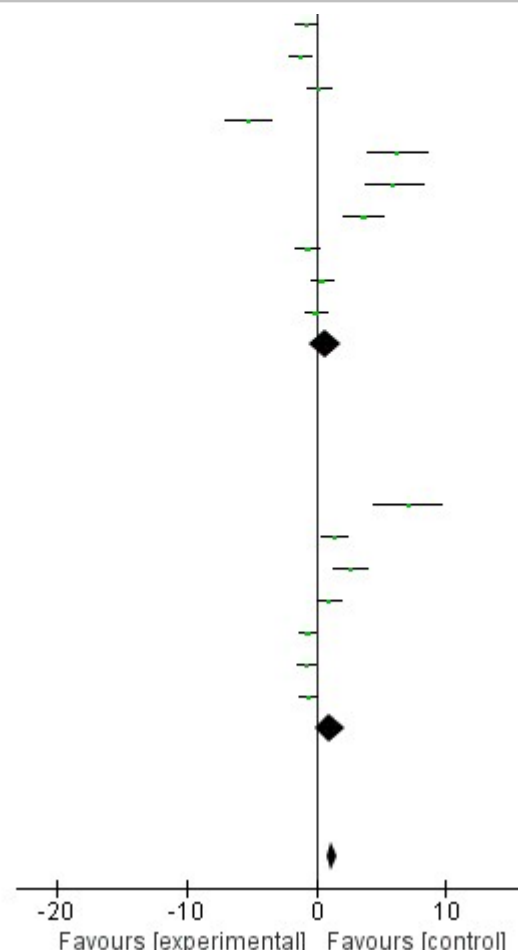
8.3.5 >30d

Li Caixia2008	0.8%	7.06 [4.47, 9.66]
Lin Hui2014	1.3%	1.44 [0.44, 2.45]
Lin Hui2014	1.2%	2.63 [1.37, 3.89]
Lin Hui2014	1.3%	0.99 [0.05, 1.93]
Pan Wen2015	1.3%	-0.66 [-1.31, -0.02]
Pan Wen2015	1.3%	-0.75 [-1.41, -0.10]
Pan Wen2015	1.3%	-0.61 [-1.25, 0.04]
Subtotal (95% CI)	8.7%	1.04 [-0.11, 2.19]

Heterogeneity: $\tau^2 = 2.05$; $\chi^2 = 69.71$, $df = 6$ ($P < 0.00001$); $I^2 = 91\%$
 Test for overall effect: $Z = 1.78$ ($P = 0.08$)

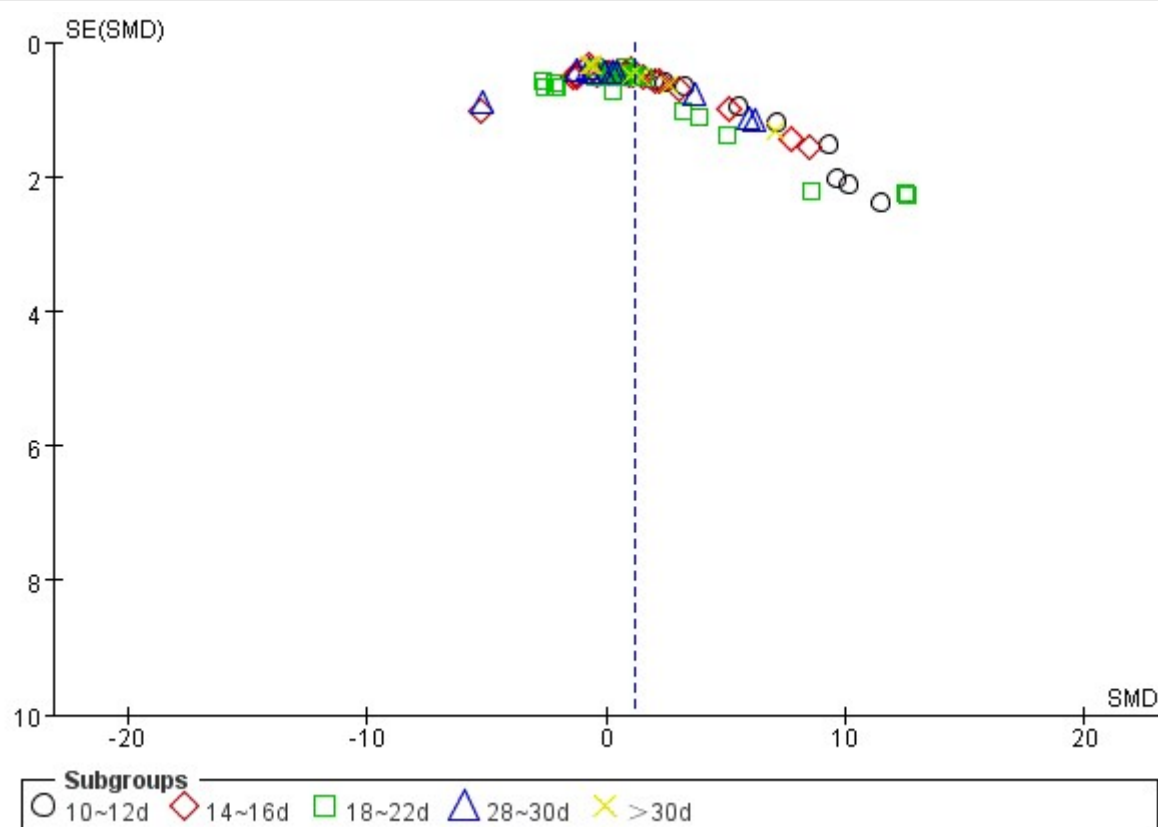
Total (95% CI)	100.0%	1.17 [0.79, 1.55]
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Heterogeneity: $\tau^2 = 2.67$; $\chi^2 = 881.18$, $df = 86$ ($P < 0.00001$); $I^2 = 90\%$
 Test for overall effect: $Z = 6.04$ ($P < 0.00001$)
 Test for subgroup differences: $\chi^2 = 22.33$, $df = 4$ ($P = 0.0002$), $I^2 = 82.1\%$



Forest plot of comparison: 8 Subgroup fsh, outcome: 8.3 treatment time.

Figure 28 (Analysis 8.3)



Funnel plot of comparison: 8 Subgroup fsh, outcome: 8.3 treatment time.

Figure 29 (Analysis 8.4)

Study or Subgroup	Weight	Std. Mean Difference IV, Random, 95% CI	Std. Mean Difference IV, Random, 95% CI
8.4.1 Enzyme linked immunosorbent assay			
Guo Yinhua2016	1.3%	-0.02 [-0.90, 0.85]	
Hu Qingru2017	1.0%	3.16 [1.13, 5.19]	
Jin Jing2023	1.2%	1.54 [0.39, 2.70]	
Liang Jing2013	1.3%	0.79 [-0.13, 1.71]	
Liang Jing2013	1.3%	0.91 [-0.02, 1.84]	
Lin Anying2023	1.3%	1.55 [0.52, 2.57]	
Lin Wei2022	0.5%	12.50 [8.09, 16.91]	
Lin Wei2022	0.1%	28.59 [17.98, 39.19]	
Liu2022	0.9%	7.08 [4.75, 9.42]	
Liu2022	1.0%	5.50 [3.62, 7.38]	
Liu2022	0.7%	9.31 [6.32, 12.30]	
Liu Hejing2023	0.5%	9.64 [5.67, 13.62]	
Liu Hejing2023	0.4%	11.48 [6.80, 16.17]	
Liu Hejing2023	0.5%	10.10 [5.95, 14.25]	
Ma Manhua2010	1.3%	0.21 [-0.72, 1.14]	
Mo Yang 2020	1.3%	0.90 [-0.03, 1.83]	
Pan Wen2015	1.4%	-0.66 [-1.31, -0.02]	
Pan Wen2015	1.4%	-0.75 [-1.41, -0.10]	
Pan Wen2015	1.4%	-0.61 [-1.25, 0.04]	
Sun Wanying2018	1.3%	-0.49 [-1.38, 0.40]	
Sun Wanying2018	1.3%	-1.23 [-2.21, -0.26]	
Sun Wanying2018	1.0%	-5.27 [-7.29, -3.25]	
Tao Chong2022	0.8%	4.99 [2.31, 7.68]	
Tao Chong2022	0.5%	8.56 [4.23, 12.89]	
Tao Chong2022	0.9%	3.83 [1.65, 6.02]	
Xiao Hui2020	1.0%	3.16 [1.13, 5.19]	

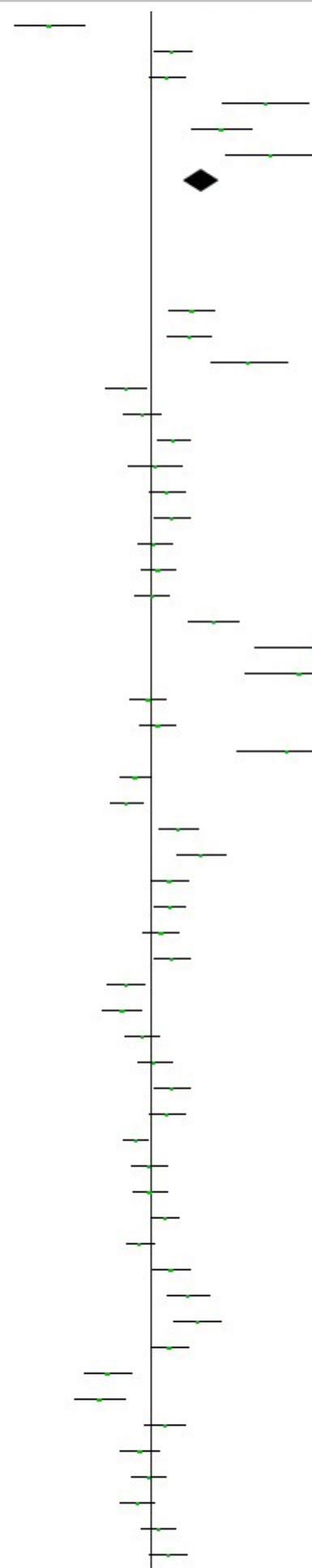
Yan Xue2022	1.1%	-5.21 [-7.01, -3.41]
Zhang Bingjie2016	1.3%	1.14 [0.18, 2.10]
Zhang Chun2018	1.3%	0.87 [-0.05, 1.80]
Zhang Minghao2022	0.9%	5.95 [3.71, 8.18]
Zhang Minghao2022	1.1%	3.65 [2.12, 5.19]
Zhang Minghao2022	0.9%	6.23 [3.90, 8.55]
Subtotal (95% CI)	32.2%	2.63 [1.75, 3.51]

Heterogeneity: $\tau^2 = 5.25$; $\chi^2 = 454.45$, $df = 31$ ($P < 0.00001$); $I^2 = 93\%$

Test for overall effect: $Z = 5.84$ ($P < 0.00001$)

8.4.2 Radioimmunoassay

Bai Rui2009	1.2%	2.15 [1.00, 3.29]
Bai Rui2009	1.3%	2.00 [0.89, 3.12]
Bai Rui2009	1.0%	5.06 [3.11, 7.02]
Chen Ying2017	1.3%	-1.24 [-2.28, -0.21]
Chen Ying2017	1.3%	-0.43 [-1.37, 0.51]
Deng Ali2009	1.3%	1.21 [0.39, 2.02]
Deng Ali2009	1.2%	0.26 [-1.13, 1.66]
Deng Disi2018	1.3%	0.87 [-0.05, 1.80]
Deng Disi2018	1.3%	1.13 [0.17, 2.09]
Deng Disi2018	1.3%	0.21 [-0.67, 1.09]
Feng Guangrong2009	1.3%	0.39 [-0.50, 1.28]
Feng Guangrong2009	1.3%	0.12 [-0.76, 1.00]
He Shuying2006	1.2%	3.27 [1.98, 4.55]
Hu Xiaohua2013	0.7%	8.48 [5.42, 11.54]
Hu Xiaohua2013	0.8%	7.66 [4.87, 10.46]
Jiang Xiaolin2009	1.3%	-0.11 [-1.04, 0.82]
Jiang Xiaolin2009	1.3%	0.39 [-0.55, 1.33]
Li Caixia2008	0.8%	7.06 [4.47, 9.66]
Li Jiahui2014	1.3%	-0.77 [-1.56, 0.01]
Li Jiahui2014	1.3%	-1.22 [-2.05, -0.39]
Lin Hui2014	1.3%	1.44 [0.44, 2.45]
Lin Hui2014	1.2%	2.63 [1.37, 3.89]
Lin Hui2014	1.3%	0.99 [0.05, 1.93]
Li Q2009	1.3%	1.03 [0.23, 1.83]
Liu2018	1.3%	0.56 [-0.34, 1.46]
Liu2018	1.3%	1.13 [0.17, 2.09]
Liu Minxin2006	1.3%	-1.25 [-2.23, -0.28]
Liu Minxin2006	1.3%	-1.44 [-2.44, -0.43]
Liu Minxin2006	1.3%	-0.40 [-1.29, 0.49]
Luo Furong2018	1.3%	0.21 [-0.67, 1.09]
Luo Furong2018	1.3%	1.13 [0.17, 2.09]
Luo Furong2018	1.3%	0.87 [-0.05, 1.80]
Niu Yongli2022	1.4%	-0.74 [-1.39, -0.10]
Wang Cuixia2009	1.3%	-0.03 [-0.96, 0.89]
Wang Cuixia2009	1.3%	-0.02 [-0.92, 0.88]
Xu Caifeng2013	1.3%	0.78 [0.05, 1.50]
Xu Caifeng2013	1.4%	-0.53 [-1.24, 0.18]
Zhang Weiqing2020	1.3%	1.07 [0.12, 2.02]
Zhang Weiqing2020	1.3%	1.97 [0.86, 3.08]
Zhang Weiqing2020	1.2%	2.42 [1.21, 3.63]
Zhao Lina2014	1.3%	0.98 [0.04, 1.92]
Zhao Lina2014	1.2%	-2.19 [-3.39, -1.00]
Zhao Lina2014	1.2%	-2.61 [-3.91, -1.32]
Zheng Jun2015	1.3%	0.75 [-0.27, 1.78]
Zheng Jun2015	1.3%	-0.52 [-1.52, 0.49]
Zhou Jie2020	1.3%	-0.04 [-0.92, 0.83]
Zhou Jie2020	1.3%	-0.66 [-1.57, 0.24]
Zhou Jie2020	1.3%	0.43 [-0.45, 1.32]
Zhu Shanshan2008	1.3%	0.93 [-0.00, 1.87]

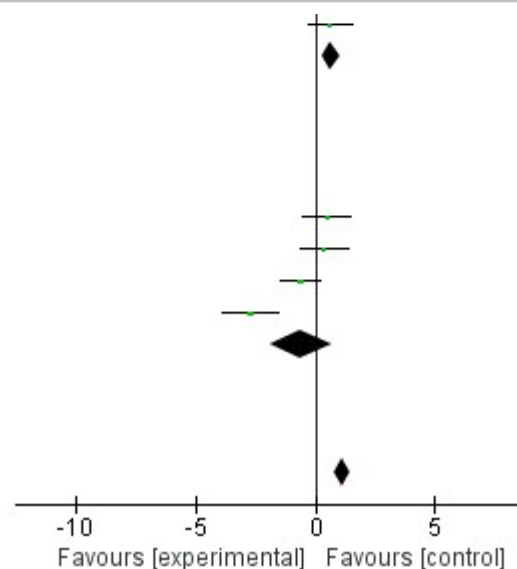


Zhu Shanshan2008 1.3% 0.63 [-0.27, 1.53]
Subtotal (95% CI) 62.7% 0.65 [0.30, 1.01]
 Heterogeneity: $\tau^2 = 1.38$; $\chi^2 = 326.10$, $df = 49$ ($P < 0.00001$); $I^2 = 85\%$
 Test for overall effect: $Z = 3.57$ ($P = 0.0004$)

8.4.3 Chemiluminescence method

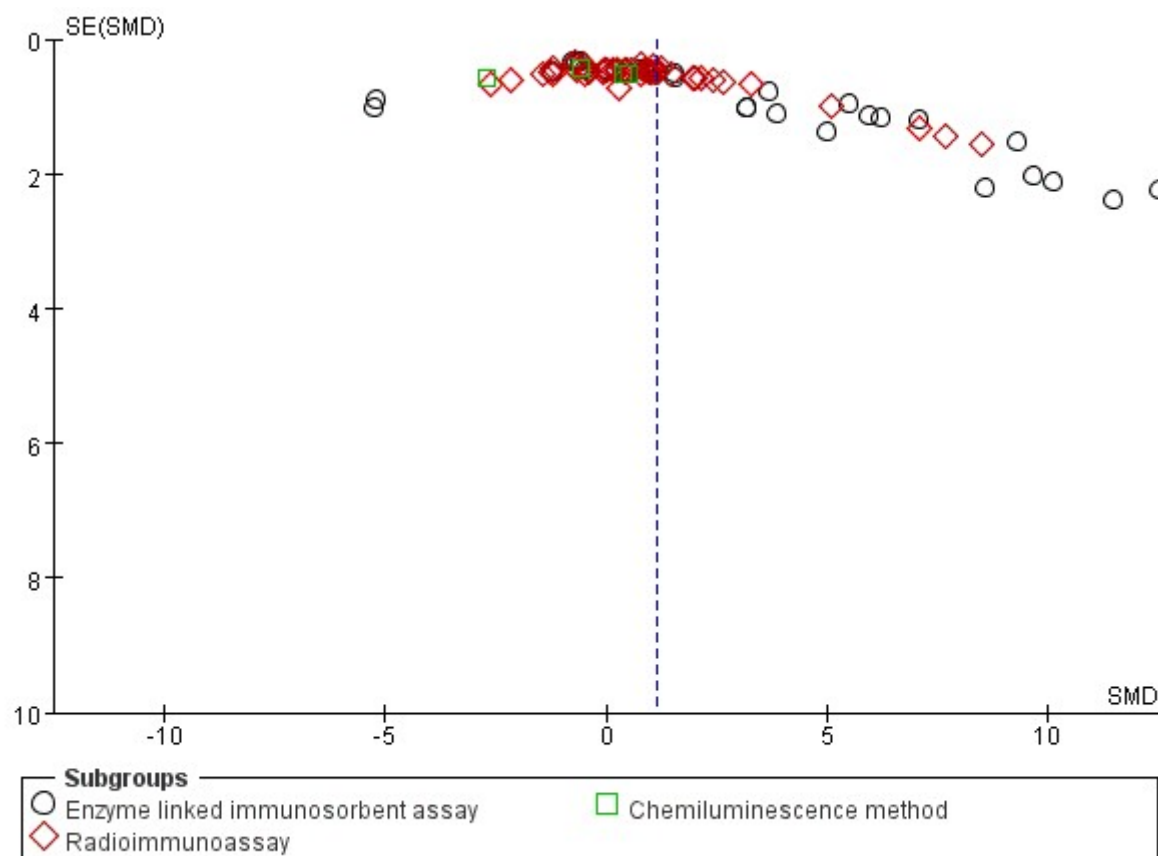
Cai pingping2006 1.3% 0.49 [-0.51, 1.49]
 Cai pingping2006 1.3% 0.36 [-0.63, 1.35]
 Zhou Xiaoxiu2012 1.3% -0.60 [-1.43, 0.22]
 Zhou Xiaoxiu2012 1.2% -2.70 [-3.86, -1.54]
Subtotal (95% CI) 5.1% -0.59 [-1.88, 0.70]
 Heterogeneity: $\tau^2 = 1.47$; $\chi^2 = 20.66$, $df = 3$ ($P = 0.0001$); $I^2 = 85\%$
 Test for overall effect: $Z = 0.89$ ($P = 0.37$)

Total (95% CI) 100.0% 1.12 [0.76, 1.48]
 Heterogeneity: $\tau^2 = 2.41$; $\chi^2 = 815.90$, $df = 85$ ($P < 0.00001$); $I^2 = 90\%$
 Test for overall effect: $Z = 6.06$ ($P < 0.00001$)
 Test for subgroup differences: $\chi^2 = 21.54$, $df = 2$ ($P < 0.0001$), $I^2 = 90.7\%$



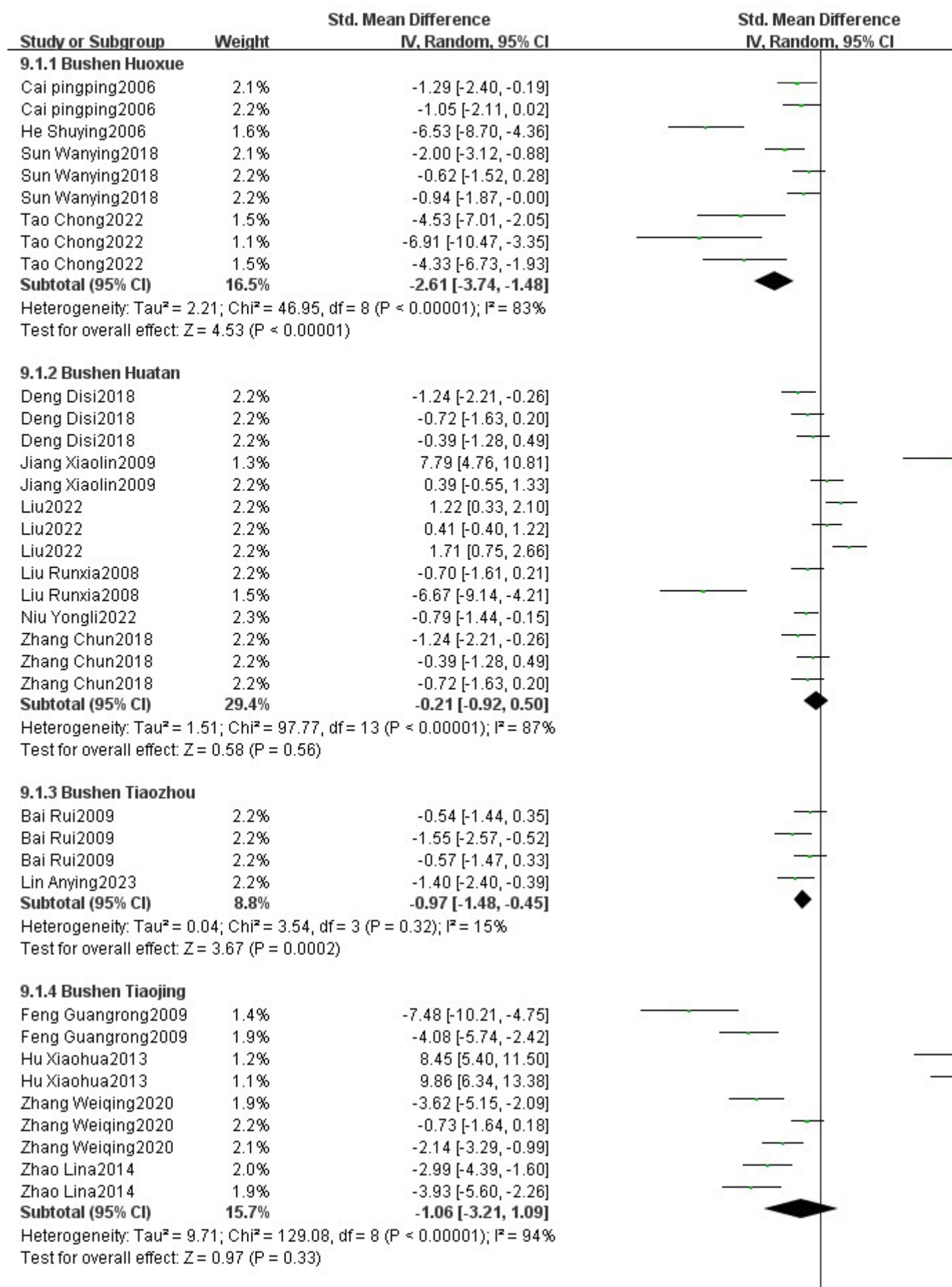
Forest plot of comparison: 8 Subgroup fish, outcome: 8.4 hormone measurement methods.

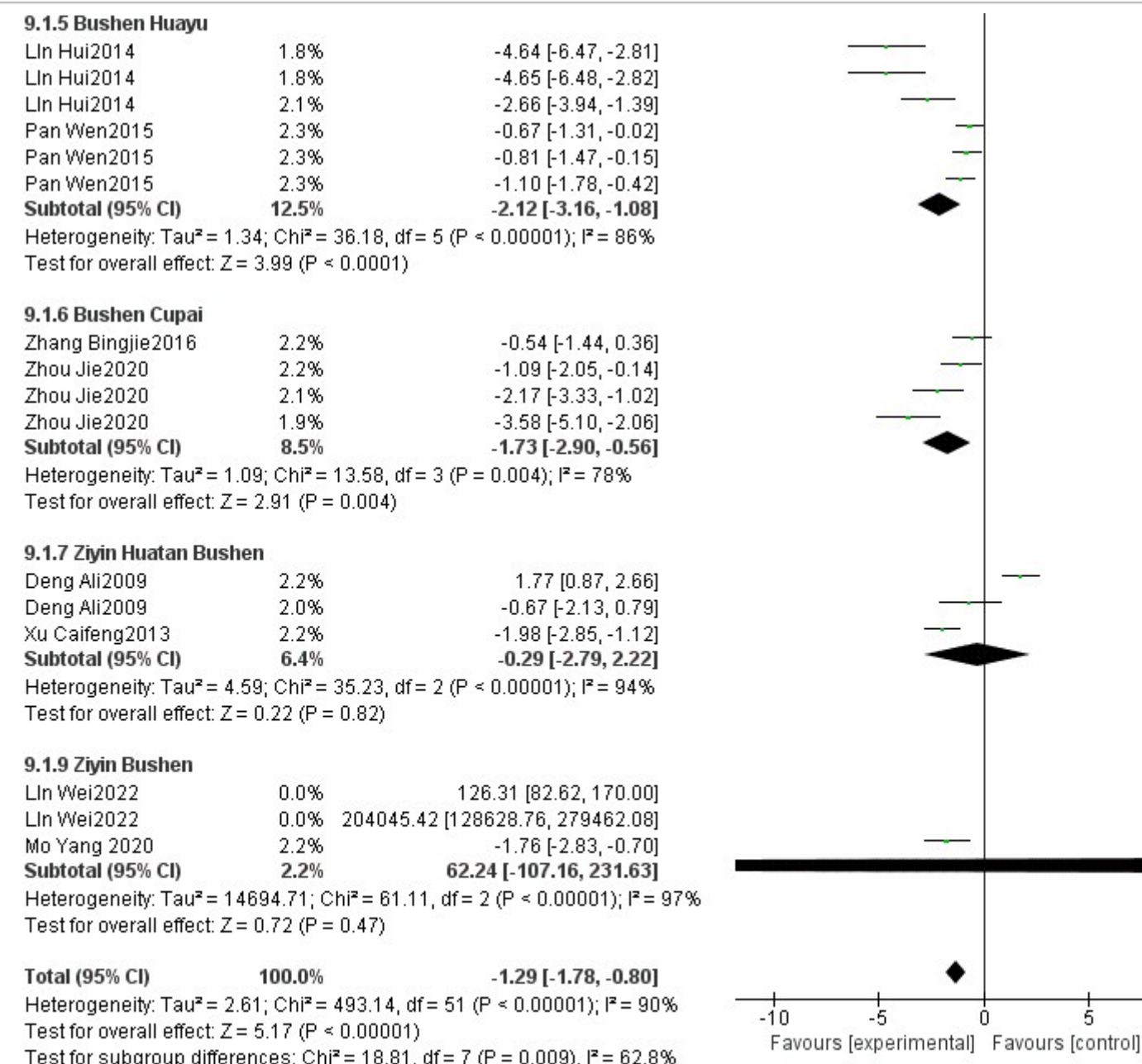
Figure 30 (Analysis 8.4)



Funnel plot of comparison: 8 Subgroup fish, outcome: 8.4 hormone measurement methods.

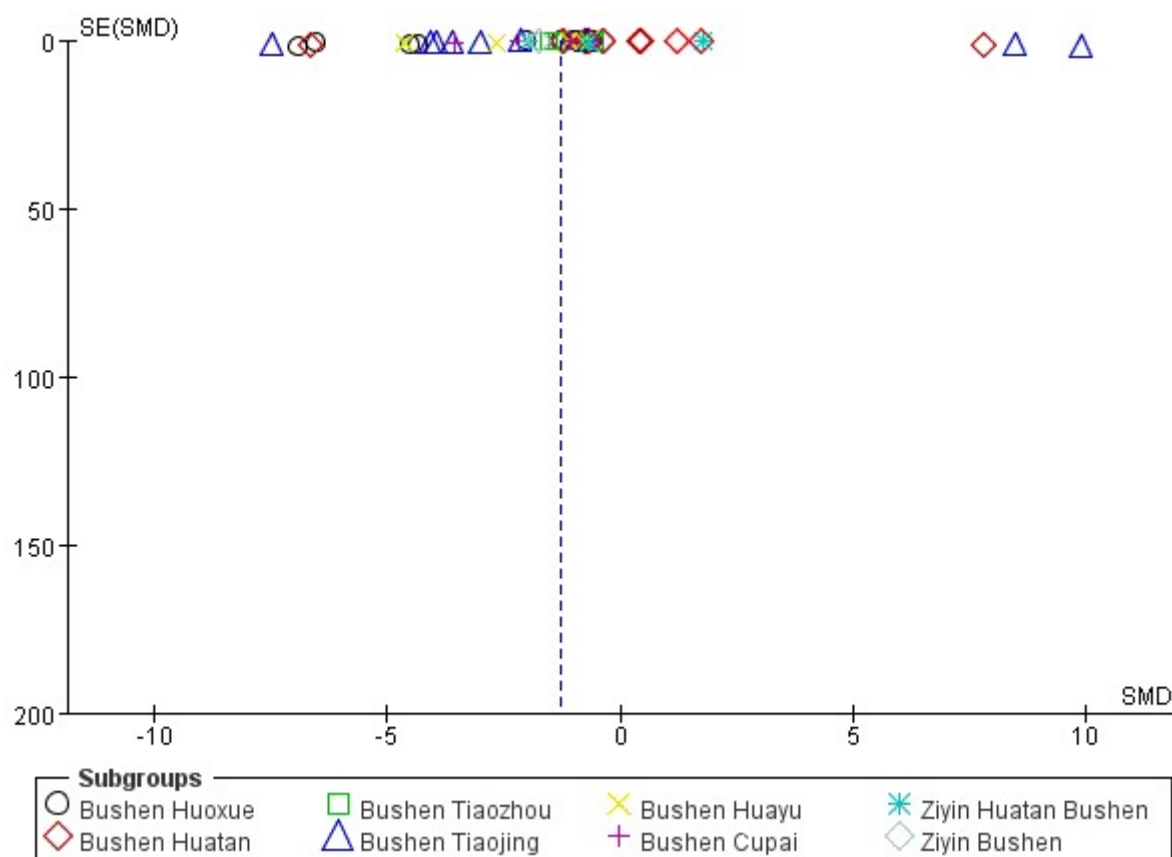
Figure 31 (Analysis 9.1)





Forest plot of comparison: 9 subgroup lh, outcome: 9.1 ZHIFA.

Figure 32 (Analysis 9.1)



Funnel plot of comparison: 9 subgroup lh, outcome: 9.1 ZHIFA.

Figure 33 (Analysis 9.2)

Study or Subgroup	Weight	Std. Mean Difference		Std. Mean Difference	
		IV, Random, 95% CI		IV, Random, 95% CI	
9.2.1 poretsky					
Cai pingping2006	1.2%	-1.29 [-2.40, -0.19]			
Cai pingping2006	1.2%	-1.05 [-2.11, 0.02]			
Chen Ying2017	1.2%	-1.23 [-2.26, -0.20]			
Chen Ying2017	1.2%	-0.55 [-1.50, 0.40]			
Deng Ali2009	1.2%	1.77 [0.87, 2.66]			
Feng Guangrong2009	1.0%	-4.08 [-5.74, -2.42]			
Feng Guangrong2009	0.8%	-7.48 [-10.21, -4.75]			
Hu Xiaohua2013	0.7%	8.45 [5.40, 11.50]			
Hu Xiaohua2013	0.6%	9.86 [6.34, 13.38]			
Liang Jing2013	1.2%	-1.70 [-2.76, -0.65]			
Liang Jing2013	1.2%	-1.19 [-2.16, -0.22]			
Li Caixia2008	1.1%	-3.08 [-4.46, -1.70]			
Lin Anying2023	1.2%	-1.40 [-2.40, -0.39]			
Liu Hejing2023	0.4%	-12.31 [-17.31, -7.30]			
Liu Hejing2023	0.2%	-16.23 [-22.78, -9.68]			
Liu Hejing2023	0.7%	-7.07 [-10.05, -4.08]			
Liu Runxia2008	0.8%	-6.67 [-9.14, -4.21]			
Liu Runxia2008	1.2%	-0.70 [-1.61, 0.21]			
Luo Furong2018	1.2%	-0.39 [-1.28, 0.49]			
Luo Furong2018	1.2%	-0.72 [-1.63, 0.20]			
Luo Furong2018	1.2%	-1.24 [-2.21, -0.26]			
Wang Cuixia2009	1.2%	-0.48 [-1.39, 0.44]			
Wang Cuixia2009	1.2%	-0.59 [-1.54, 0.36]			
Zhang Bingjie2016	1.2%	-0.54 [-1.44, 0.36]			
Zhao Lina2014	1.1%	-2.99 [-4.39, -1.60]			

Zhao Lina2014	1.0%	-3.93 [-5.60, -2.26]
Subtotal (95% CI)	26.8%	-1.62 [-2.41, -0.82]
Heterogeneity: $\tau^2 = 3.46$; $\chi^2 = 259.44$, $df = 25$ ($P < 0.00001$); $I^2 = 90\%$		
Test for overall effect: $Z = 3.99$ ($P < 0.0001$)		

9.2.2 Aromatase inhibitor modeling method

Chen Yang2010	1.2%	-1.76 [-2.83, -0.69]
Chen Yang2010	1.2%	-1.40 [-2.41, -0.40]
Chen Yang2010	1.2%	-1.29 [-2.27, -0.31]
He Jialun2022	1.2%	-1.02 [-1.97, -0.08]
Hu Qingru2017	1.1%	-4.25 [-5.69, -2.81]
Liu2022	1.2%	1.71 [0.75, 2.66]
Liu2022	1.3%	0.41 [-0.40, 1.22]
Liu2022	1.2%	1.22 [0.33, 2.10]
Niu Yongli2022	1.3%	-0.79 [-1.44, -0.15]
Pan Wen2015	1.3%	-1.10 [-1.78, -0.42]
Pan Wen2015	1.3%	-0.67 [-1.31, -0.02]
Pan Wen2015	1.3%	-0.81 [-1.47, -0.15]
Tao Chong2022	0.8%	-4.33 [-6.73, -1.93]
Tao Chong2022	0.6%	-6.91 [-10.47, -3.35]
Tao Chong2022	0.8%	-4.53 [-7.01, -2.05]
Xu Caifeng2013	1.3%	-1.17 [-1.93, -0.41]
Xu Caifeng2013	1.2%	-1.98 [-2.85, -1.12]
Yan Xue2022	1.0%	-4.70 [-6.36, -3.04]
Zhang Chun2018	1.2%	-0.39 [-1.28, 0.49]
Zhang Chun2018	1.2%	-1.24 [-2.21, -0.26]
Zhang Chun2018	1.2%	-0.72 [-1.63, 0.20]
Zhang Minghao2022	1.2%	-1.98 [-3.10, -0.87]
Zhang Minghao2022	1.1%	-2.71 [-3.99, -1.43]
Zhang Minghao2022	1.1%	-2.71 [-4.00, -1.43]
Zheng Jun2015	1.2%	-1.92 [-3.17, -0.68]
Zheng Jun2015	1.2%	-1.13 [-2.21, -0.05]
Zhou Xiaoxiu2012	1.1%	-3.52 [-4.87, -2.16]
Zhou Xiaoxiu2012	1.1%	-4.10 [-5.61, -2.60]
Subtotal (95% CI)	32.3%	-1.63 [-2.14, -1.12]
Heterogeneity: $\tau^2 = 1.51$; $\chi^2 = 189.95$, $df = 27$ ($P < 0.00001$); $I^2 = 86\%$		
Test for overall effect: $Z = 6.29$ ($P < 0.00001$)		

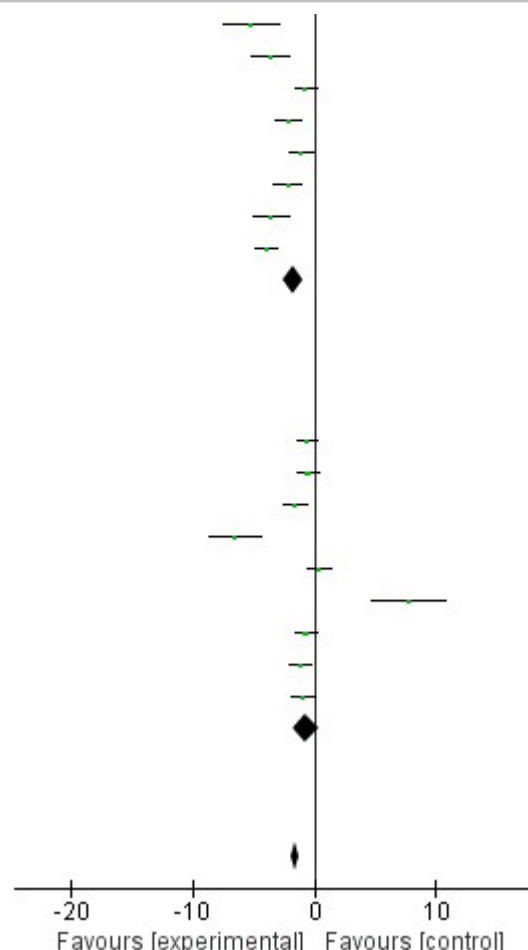
9.2.3 Androgen modeling method

Deng Disi2018	1.2%	-0.72 [-1.63, 0.20]
Deng Disi2018	1.2%	-1.24 [-2.21, -0.26]
Deng Disi2018	1.2%	-0.39 [-1.28, 0.49]
Guo Yinhua2016	1.2%	0.89 [-0.04, 1.82]
Lin Hui2014	1.1%	-2.66 [-3.94, -1.39]
Lin Hui2014	1.0%	-4.65 [-6.48, -2.82]
Lin Hui2014	1.0%	-4.64 [-6.47, -2.81]
Lin Wei2022	0.0%	204045.42 [128628.76, 279462.08]
Lin Wei2022	0.0%	126.31 [82.62, 170.00]
Li Q2009	1.3%	0.08 [-0.67, 0.82]
Liu2018	1.2%	1.89 [0.79, 2.98]
Liu2018	1.2%	2.24 [1.07, 3.41]
Liu2018	1.2%	1.93 [0.83, 3.04]
Ma Manhua2010	0.8%	-4.33 [-6.73, -1.93]
Mo Yang 2020	1.2%	-1.76 [-2.83, -0.70]
Sun Wanying2018	1.2%	-2.00 [-3.12, -0.88]
Sun Wanying2018	1.2%	-0.62 [-1.52, 0.28]
Sun Wanying2018	1.2%	-0.94 [-1.87, -0.00]
Wang Xudong2021	1.0%	-3.42 [-5.10, -1.74]
Wang Xudong2021	1.1%	-2.09 [-3.37, -0.80]
Xu Daoli2022	0.8%	-5.90 [-8.45, -3.35]

Xu Daoli2022	0.9%	-5.18 [-7.47, -2.89]
Zhang Weiqing2020	1.1%	-3.62 [-5.15, -2.09]
Zhang Weiqing2020	1.2%	-0.73 [-1.64, 0.18]
Zhang Weiqing2020	1.2%	-2.14 [-3.29, -0.99]
Zhou Jie2020	1.2%	-1.09 [-2.05, -0.14]
Zhou Jie2020	1.2%	-2.17 [-3.33, -1.02]
Zhou Jie2020	1.1%	-3.58 [-5.10, -2.06]
Zhou Yang2021	1.2%	-3.95 [-4.84, -3.06]
Subtotal (95% CI)	30.7%	-1.71 [-2.49, -0.93]
Heterogeneity: $\tau^2 = 3.82$; $\chi^2 = 329.72$, $df = 28$ ($P < 0.00001$); $I^2 = 92\%$		
Test for overall effect: $Z = 4.28$ ($P < 0.0001$)		

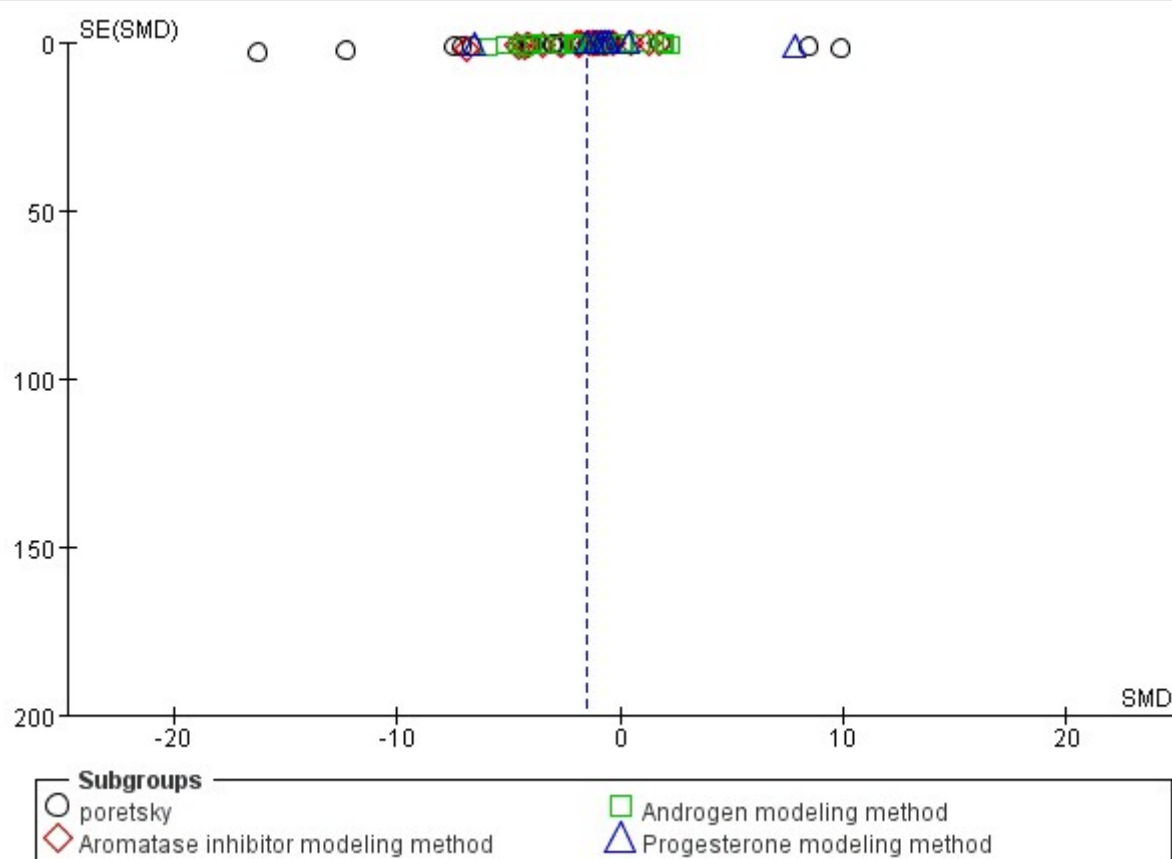
9.2.4 Progesterone modeling method

Bai Rui2009	1.2%	-0.57 [-1.47, 0.33]
Bai Rui2009	1.2%	-0.54 [-1.44, 0.35]
Bai Rui2009	1.2%	-1.55 [-2.57, -0.52]
He Shuying2006	0.9%	-6.53 [-8.70, -4.36]
Jiang Xiaolin2009	1.2%	0.39 [-0.55, 1.33]
Jiang Xiaolin2009	0.7%	7.79 [4.76, 10.81]
Liu Yanqiao2006	1.2%	-0.70 [-1.61, 0.21]
Zhu Shanshan2008	1.2%	-1.13 [-2.09, -0.17]
Zhu Shanshan2008	1.2%	-0.90 [-1.83, 0.03]
Subtotal (95% CI)	10.2%	-0.67 [-1.72, 0.38]
Heterogeneity: $\tau^2 = 2.12$; $\chi^2 = 66.82$, $df = 8$ ($P < 0.00001$); $I^2 = 88\%$		
Test for overall effect: $Z = 1.25$ ($P = 0.21$)		
Total (95% CI)	100.0%	-1.55 [-1.91, -1.19]
Heterogeneity: $\tau^2 = 2.57$; $\chi^2 = 850.50$, $df = 91$ ($P < 0.00001$); $I^2 = 89\%$		
Test for overall effect: $Z = 8.37$ ($P < 0.00001$)		
Test for subgroup differences: $\chi^2 = 3.00$, $df = 3$ ($P = 0.39$), $I^2 = 0\%$		



Forest plot of comparison: 9 subgroup lh, outcome: 9.2 modeling methods.

Figure 34 (Analysis 9.2)



Funnel plot of comparison: 9 subgroup lh, outcome: 9.2 modeling methods.

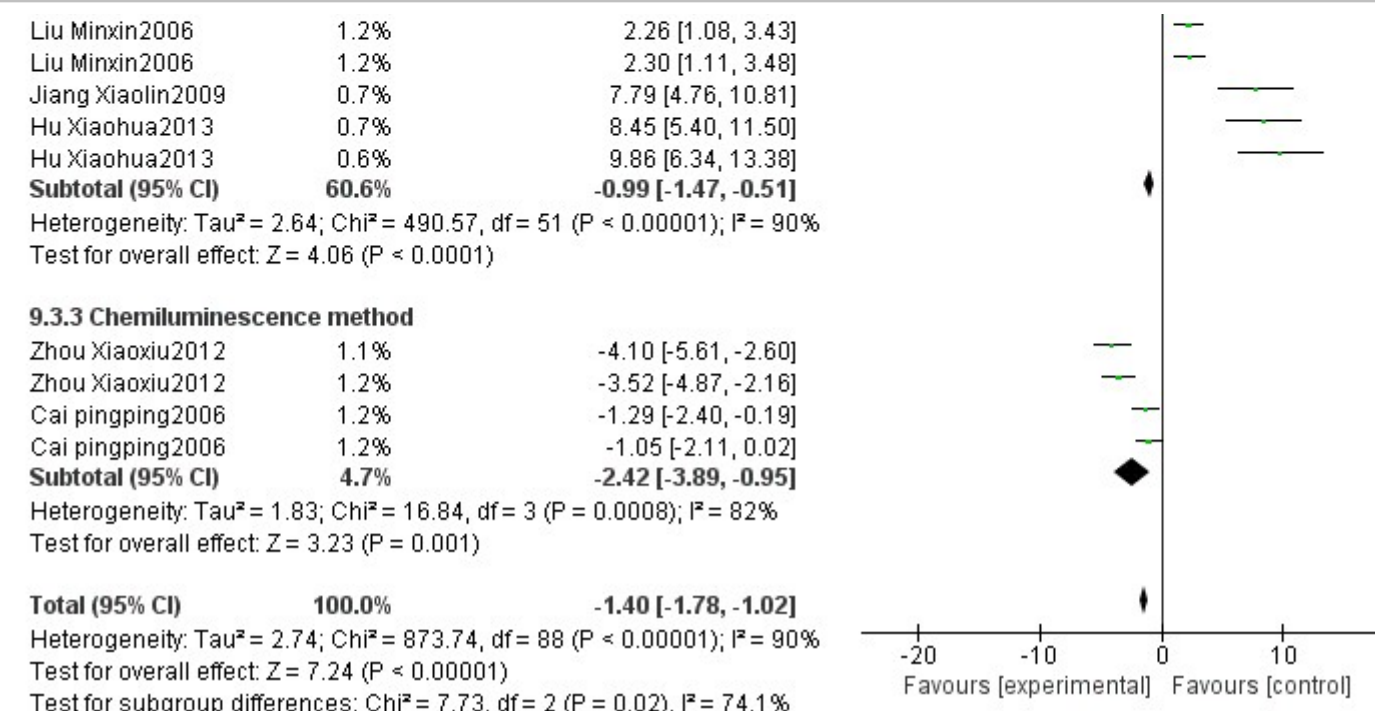
Figure 35 (Analysis 9.3)

Study or Subgroup	Weight	Std. Mean Difference		Std. Mean Difference
		IV, Random, 95% CI		
9.3.1 Enzyme linked immunosorbent assay				
Liu Hejing2023	0.3%	-16.23 [-22.78, -9.68]		
Liu Hejing2023	0.4%	-12.31 [-17.31, -7.30]		
Liu Hejing2023	0.7%	-7.07 [-10.05, -4.08]		
Xu Daoli2022	0.8%	-5.90 [-8.45, -3.35]		
Xu Daoli2022	0.9%	-5.18 [-7.47, -2.89]		
Yan Xue2022	1.1%	-4.70 [-6.36, -3.04]		
Ma Manhua2010	0.9%	-4.33 [-6.73, -1.93]		
Hu Qingru2017	1.1%	-4.25 [-5.69, -2.81]		
Zhou Yang2021	1.3%	-3.95 [-4.84, -3.06]		
Xiao Hui2020	0.9%	-3.89 [-6.24, -1.54]		
Zhang Minghao2022	1.2%	-2.71 [-4.00, -1.43]		
Zhang Minghao2022	1.2%	-2.71 [-3.99, -1.43]		
Sun Wanying2018	1.2%	-2.00 [-3.12, -0.88]		
Zhang Minghao2022	1.2%	-1.98 [-3.10, -0.87]		
Mo Yang 2020	1.2%	-1.76 [-2.83, -0.70]		
Liang Jing2013	1.2%	-1.70 [-2.76, -0.65]		
Lin Anying2023	1.2%	-1.40 [-2.40, -0.39]		
Zhang Chun2018	1.2%	-1.24 [-2.21, -0.26]		
Liang Jing2013	1.2%	-1.19 [-2.16, -0.22]		
Pan Wen2015	1.3%	-1.10 [-1.78, -0.42]		
He Jialun2022	1.3%	-1.02 [-1.97, -0.08]		
Sun Wanying2018	1.3%	-0.94 [-1.87, -0.00]		
Pan Wen2015	1.3%	-0.81 [-1.47, -0.15]		
Zhang Chun2018	1.3%	-0.72 [-1.63, 0.20]		
Pan Wen2015	1.3%	-0.67 [-1.31, -0.02]		

Sun Wanying2018	1.3%	-0.62 [-1.52, 0.28]
Zhang Chun2018	1.3%	-0.39 [-1.28, 0.49]
Liu2022	1.3%	0.41 [-0.40, 1.22]
Guo Yinhua2016	1.3%	0.89 [-0.04, 1.82]
Liu2022	1.3%	1.22 [0.33, 2.10]
Liu2022	1.3%	1.71 [0.75, 2.66]
Lin Wei2022	0.0%	126.31 [82.62, 170.00]
Lin Wei2022	0.0%	204045.42 [128628.76, 279462.08]
Subtotal (95% CI)	34.7%	-2.00 [-2.67, -1.33]
Heterogeneity: $\tau^2 = 3.01$; $\chi^2 = 347.12$, $df = 32$ ($P < 0.00001$); $I^2 = 91\%$		
Test for overall effect: $Z = 5.85$ ($P < 0.00001$)		

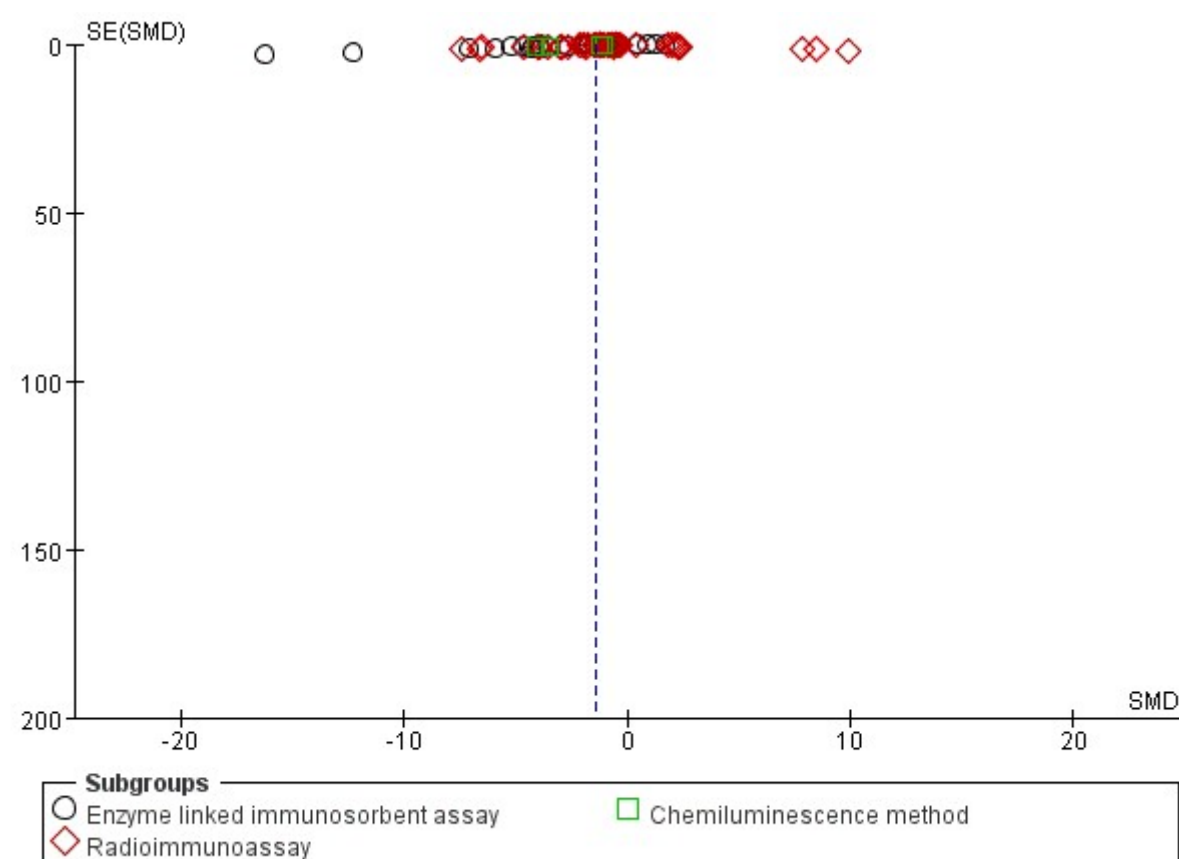
9.3.2 Radioimmunoassay

Feng Guangrong2009	0.8%	-7.48 [-10.21, -4.75]
Liu Runxia2008	0.9%	-6.67 [-9.14, -4.21]
He Shuying2006	0.9%	-6.53 [-8.70, -4.36]
Lin Hui2014	1.0%	-4.65 [-6.48, -2.82]
Lin Hui2014	1.0%	-4.64 [-6.47, -2.81]
Feng Guangrong2009	1.1%	-4.08 [-5.74, -2.42]
Zhao Lina2014	1.1%	-3.93 [-5.60, -2.26]
Zhang Weiqing2020	1.1%	-3.62 [-5.15, -2.09]
Zhou Jie2020	1.1%	-3.58 [-5.10, -2.06]
Li Caixia2008	1.2%	-3.08 [-4.46, -1.70]
Zhao Lina2014	1.1%	-2.99 [-4.39, -1.60]
Lin Hui2014	1.2%	-2.66 [-3.94, -1.39]
Zhou Jie2020	1.2%	-2.17 [-3.33, -1.02]
Zhang Weiqing2020	1.2%	-2.14 [-3.29, -0.99]
Xu Caifeng2013	1.3%	-1.98 [-2.85, -1.12]
Zheng Jun2015	1.2%	-1.92 [-3.17, -0.68]
Chen Yang2010	1.2%	-1.76 [-2.83, -0.69]
Bai Rui2009	1.2%	-1.55 [-2.57, -0.52]
Chen Yang2010	1.2%	-1.40 [-2.41, -0.40]
Chen Yang2010	1.2%	-1.29 [-2.27, -0.31]
Luo Furong2018	1.2%	-1.24 [-2.21, -0.26]
Deng Disi2018	1.2%	-1.24 [-2.21, -0.26]
Chen Ying2017	1.2%	-1.23 [-2.26, -0.20]
Xu Caifeng2013	1.3%	-1.17 [-1.93, -0.41]
Zheng Jun2015	1.2%	-1.13 [-2.21, -0.05]
Zhu Shanshan2008	1.3%	-1.13 [-2.09, -0.17]
Zhou Jie2020	1.3%	-1.09 [-2.05, -0.14]
Zhu Shanshan2008	1.3%	-0.90 [-1.83, 0.03]
Niu Yongli2022	1.3%	-0.79 [-1.44, -0.15]
Zhang Weiqing2020	1.3%	-0.73 [-1.64, 0.18]
Luo Furong2018	1.3%	-0.72 [-1.63, 0.20]
Deng Disi2018	1.3%	-0.72 [-1.63, 0.20]
Liu Runxia2008	1.3%	-0.70 [-1.61, 0.21]
Liu Yanqiao2006	1.3%	-0.70 [-1.61, 0.21]
Deng Ali2009	1.1%	-0.67 [-2.13, 0.79]
Wang Cuixia2009	1.3%	-0.59 [-1.54, 0.36]
Bai Rui2009	1.3%	-0.57 [-1.47, 0.33]
Chen Ying2017	1.3%	-0.55 [-1.50, 0.40]
Bai Rui2009	1.3%	-0.54 [-1.44, 0.35]
Wang Cuixia2009	1.3%	-0.48 [-1.39, 0.44]
Luo Furong2018	1.3%	-0.39 [-1.28, 0.49]
Deng Disi2018	1.3%	-0.39 [-1.28, 0.49]
Jiang Xiaolin2009	1.3%	0.39 [-0.55, 1.33]
Deng Ali2009	1.3%	1.77 [0.87, 2.66]
Liu2018	1.2%	1.93 [0.83, 3.04]
Liu Minxin2006	1.2%	2.17 [1.02, 3.33]
Liu2018	1.2%	2.24 [1.07, 3.41]



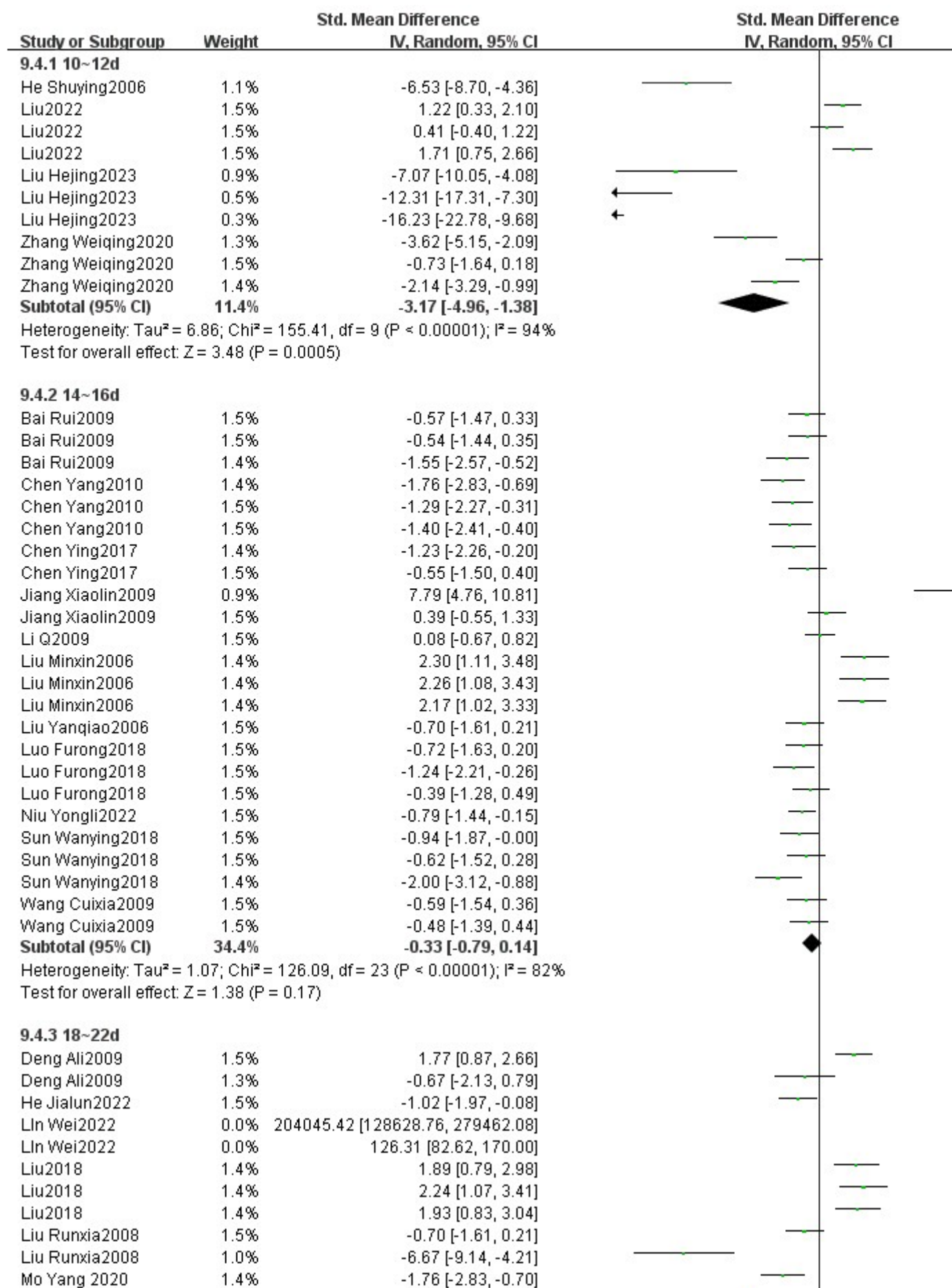
Forest plot of comparison: 9 subgroup lh, outcome: 9.3 hormone measurement methods.

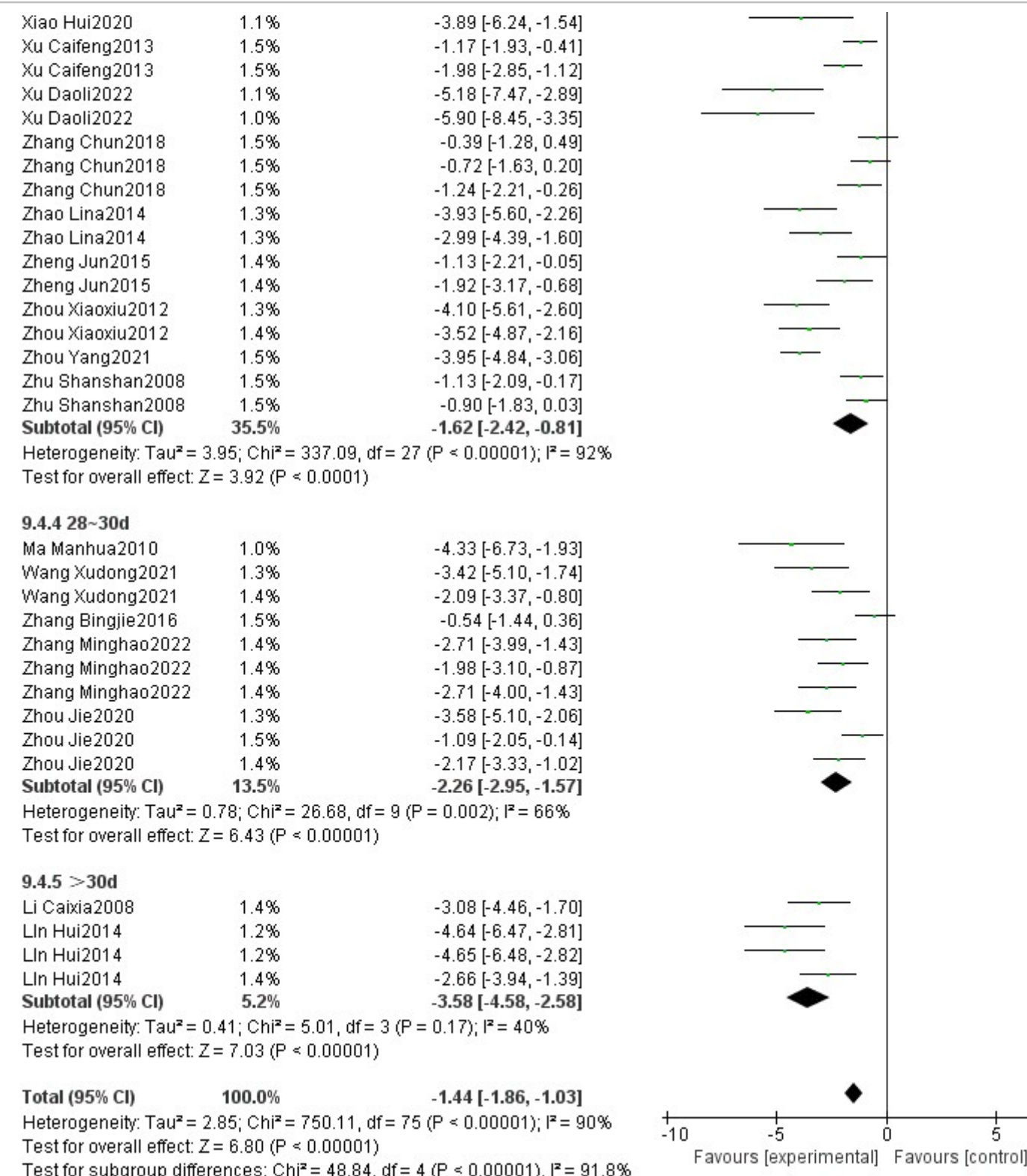
Figure 36 (Analysis 9.3)



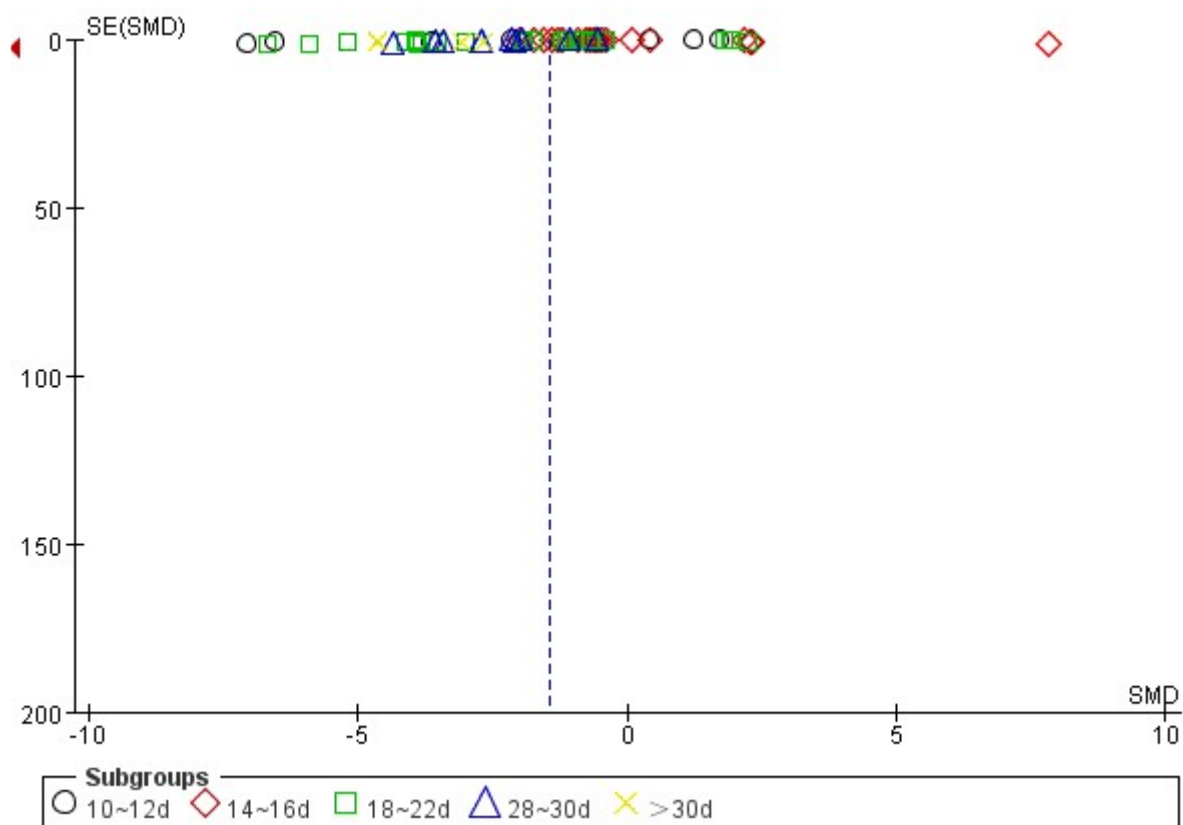
Funnel plot of comparison: 9 subgroup lh, outcome: 9.3 hormone measurement methods.

Figure 37 (Analysis 9.4)



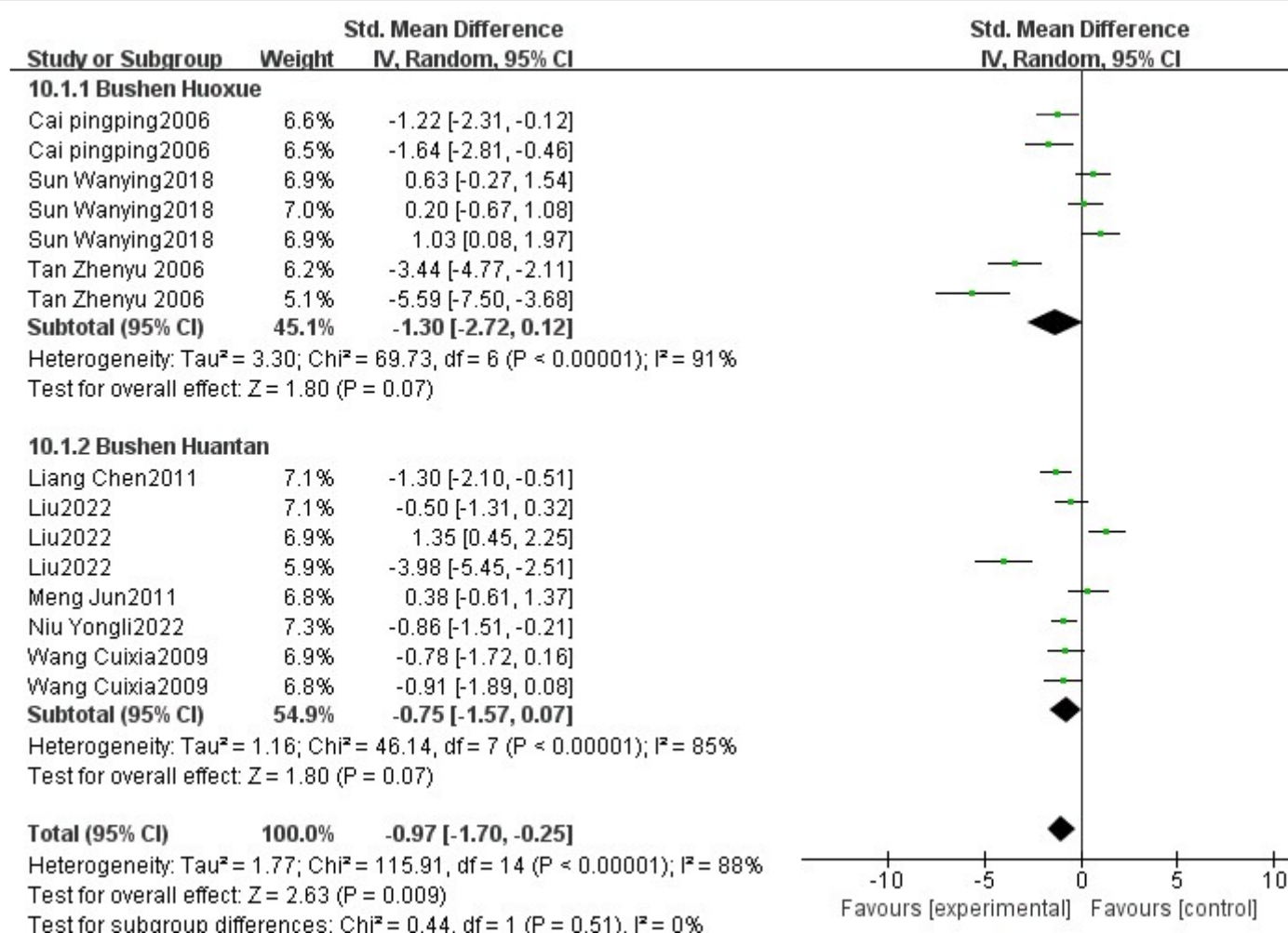


Forest plot of comparison: 9 subgroup lh, outcome: 9.4 treatment time.

Figure 38 (Analysis 9.4)

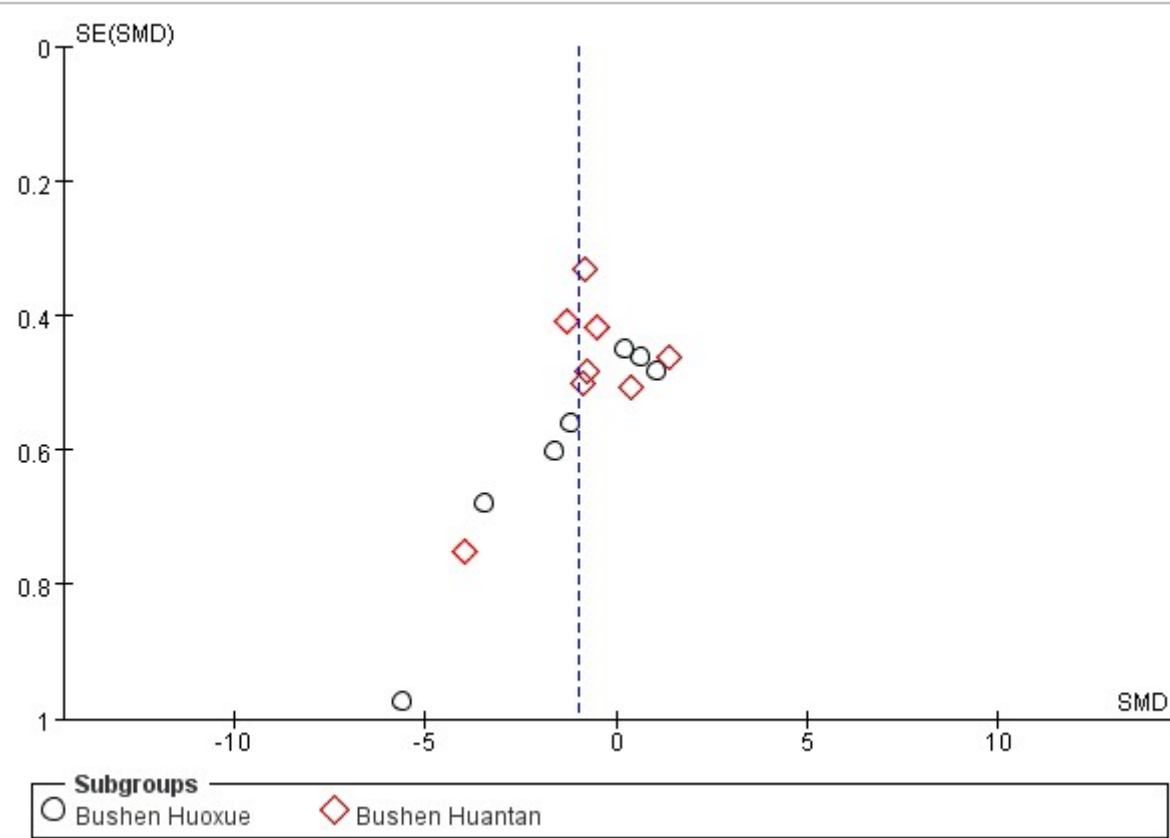
Funnel plot of comparison: 9 subgroup lh, outcome: 9.4 treatment time.

Figure 39 (Analysis 10.1)



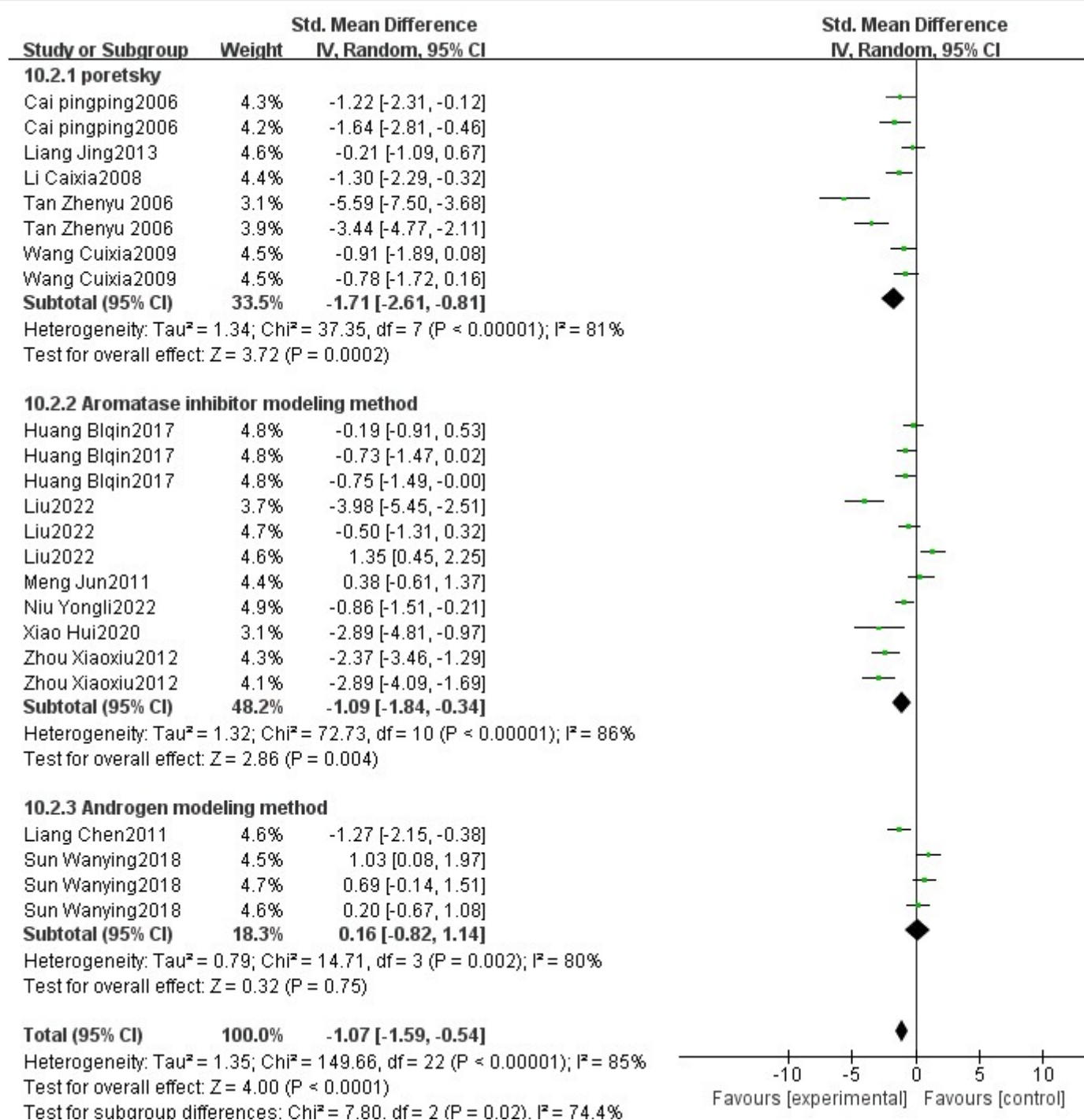
Forest plot of comparison: 8 亚组分析重量, outcome: 8.1 治法.

Figure 40 (Analysis 10.1)



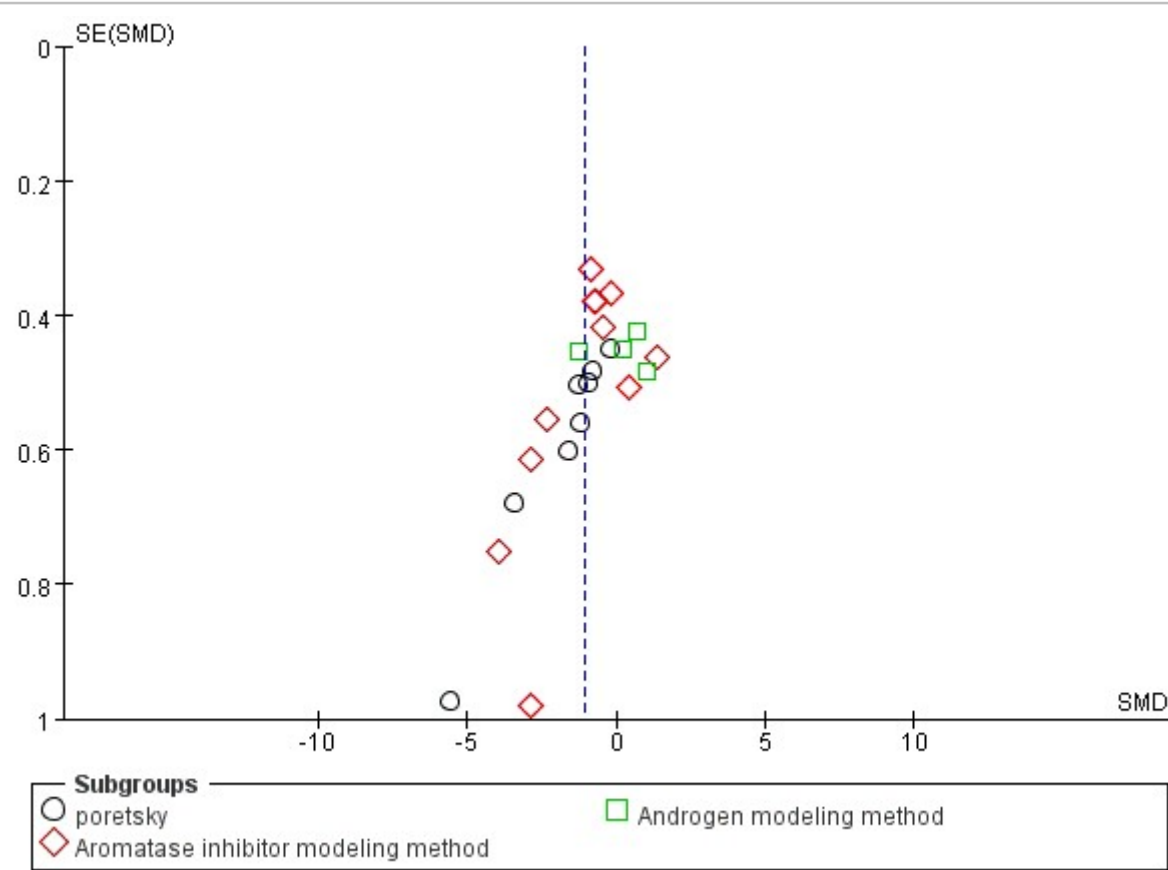
Funnel plot of comparison: 8 亚组分析重量, outcome: 8.1 治法.

Figure 41 (Analysis 10.2)



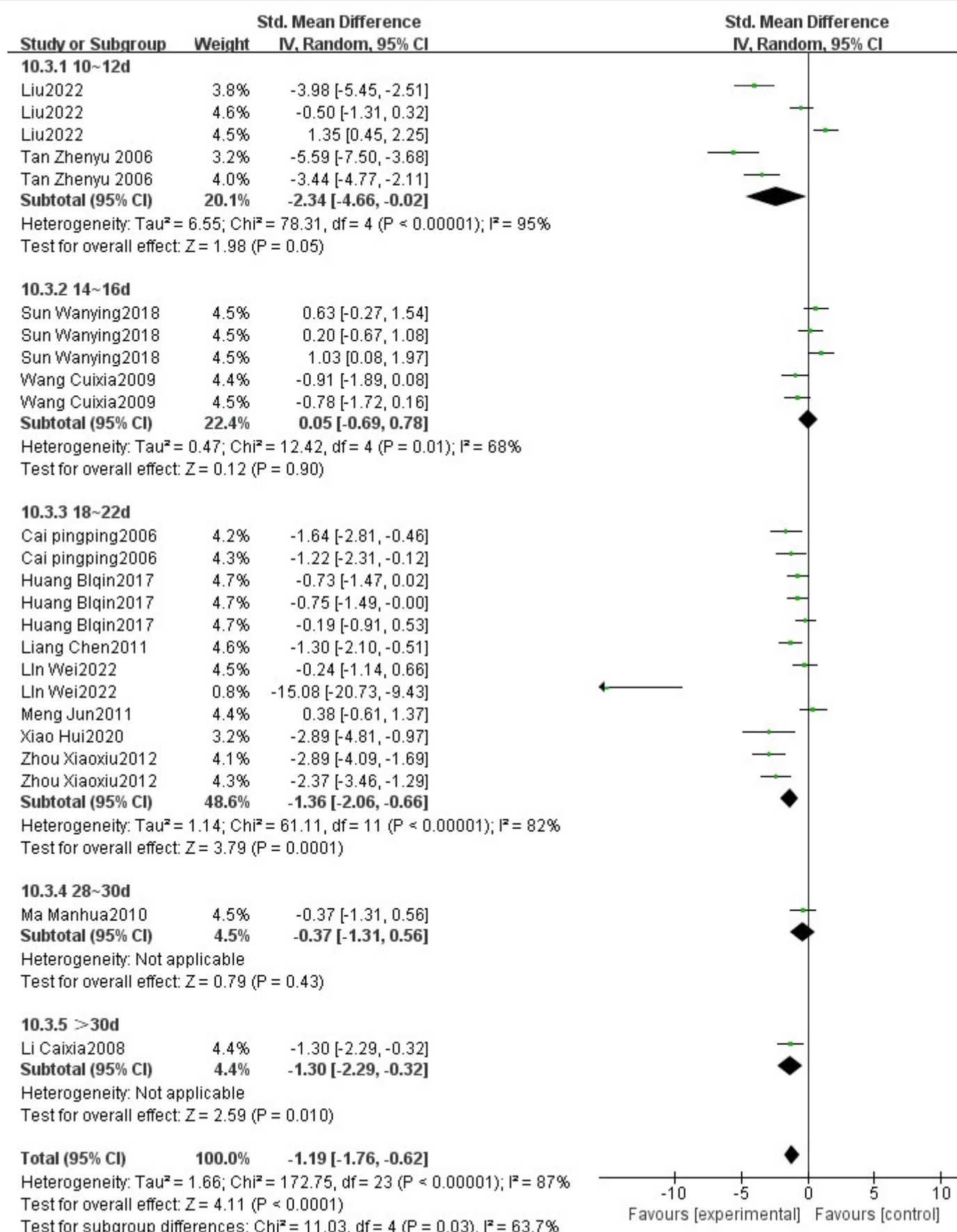
Forest plot of comparison: 8 亚组分析重量, outcome: 8.2 造模方法.

Figure 42 (Analysis 10.2)



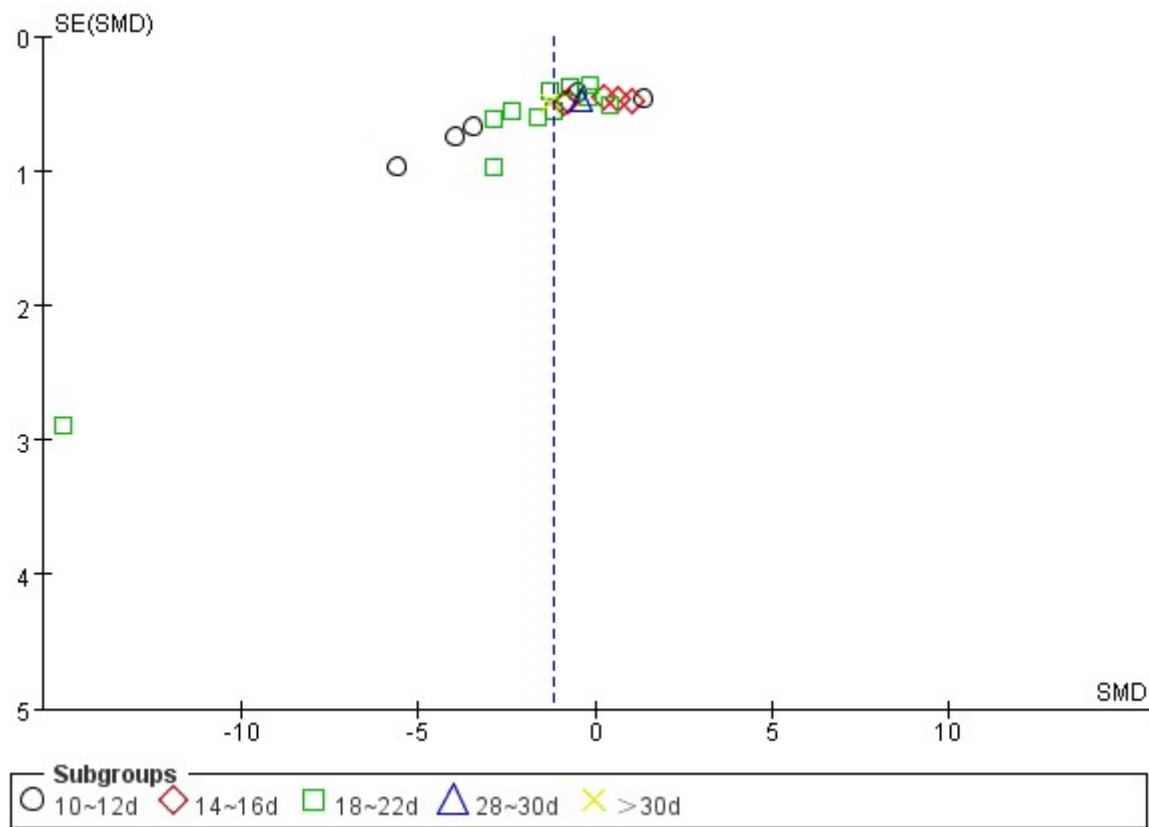
Funnel plot of comparison: 8 亚组分析重量, outcome: 8.2 造模方法.

Figure 43 (Analysis 10.3)



Forest plot of comparison: 10 subgroup weight, outcome: 10.3 treatment time.

Figure 44 (Analysis 10.3)



Funnel plot of comparison: 10 subgroup weight, outcome: 10.3 treatment time.