



Supplementary Material

Article Title: Therapy for Adult Social Anxiety Disorder: A Meta-Analysis of Functional Neuroimaging Studies

Author(s): Yuchen Li, MD; Yajing Meng, MD, PhD; Minlan Yuan, MD; Ye Zhang, MD; Zhengjia Ren, MD; Yan Zhang, MD; Hongru Zhu, MD, PhD; Changjian Qiu, MD, PhD; and Wei Zhang, MD

DOI Number: 10.4088/JCP.15r10226

List of Supplementary Material for the article

1. [eTable 1](#) (A) Clinic Effects of SAD P Post Patients and SAD M Post Patients (B) The Different Clinic Effects of SAD P Post Patients and SAD M Post Patients
2. [eTable 2](#) (A) Regional Decreases in Grey Matter Function Between Individuals With SAD M Pre and SAD M Post by Jackknife (B) Regional Decreases in Grey Matter Function Between Individuals With SAD P Pre and SAD P Post by Jackknife

Disclaimer

This Supplementary Material has been provided by the author(s) as an enhancement to the published article. It has been approved by peer review; however, it has undergone neither editing nor formatting by in-house editorial staff. The material is presented in the manner supplied by the author.

Supplementary eTable 1

A Clinic effects of SAD P post. patients and SAD M post. patients

	LSAS pre.	LSAS post.	T value	P value
SAD P	74.31	51.60	10.94	0.000
SAD M	81.33	49.49	8.80	0.000

B The different clinic effects of SAD P post. patients and SAD M post. patients

	LSAS pre.	LSAS post.	Decrease of LSAS scores	Decrease percentage of LSAS scores (%)
SAD P	74.31±7.80	51.60±3.20	22.70±4.64	30.33±2.79
SAD M	81.33±10.63	49.49±11.14	31.84±9.58	39.06±10.51
T value	-1.249	-*	-1.956	-2.098
P value	0.240	0.202	0.079	0.073

LSAS pre. : LSAS scores before therapy, LSAS post. : LSAS scores after therapy; we used paired-samples t-test;

The decrease of LSAS scores and decrease percentage of LSAS scores follow a standard normal distribution , so we used independent-samples t test . LSAS scores after therapy do not follow a standard normal distribution , so we used Mann-Whitney U test *.

Supplementary eTable 2

A Regional decreases in grey matter function between individuals with SAD M pre and SAD M post by jackknife

	Right			Left		
	SFG(medial orbital)	insula	Postcentral gyrus	Insula	median cingulate gyrus	Middle occipital gyrus
<u>Jackknife analysis</u>						
All studies but Schneier	Yes	Yes	No	Yes	No	No
All studies but Faria	Yes	Yes	Yes	Yes	Yes	Yes
All studies but Evans	No	Yes	Yes	Yes	Yes	No
All studies but Kilts	Yes	No	No	Yes	Yes	No
All studies but Furmark	Yes	Yes	Yes	Yes	No	No
All studies but Warwick	Yes	No	Yes	No	Yes	Yes

All studies but Luan

Yes

Yes

No

Yes

Yes

Yes

6 out of 7

5 out of 7

4 out of 7

6 out of 7

5 out of 7

3 out of 7

**Whole-brain regression analyses with different
neuroimaging changes in LSAS scores**

No

No

Yes

Yes

No

Yes

superior frontal gyrus: SFG ; Liebowitz Social Anxiety Scale:LSAS

B Regional decreases in grey matter function between individuals with SAD P pre and SAD P post by jackknife

	right		left		precuneus
	cerebellum, crus I	MFG	IPG	anterior cingulate	
<u>Jackknife analysis</u>					
All studies but Klummp	Yes	Yes	Yes	Yes	Yes
All studies but Krist	No	Yes	Yes	No	Yes
All studies but Gross	Yes	Yes	Yes	Yes	Yes
All studies but Goldin	Yes	Yes	Yes	Yes	Yes
All studies but Phillipe	Yes	Yes	No	Yes	Yes
	4 out of 5	5 out of 5	4 out of 5	4 out of 5	5 out of 5

**Whole-brain regression analyses with different
neuroimaging changes in LSAS scores**

No

No

Yes

No

Yes

inferior parietal gyri: IPG; middle frontal gyrus:MFG, Liebowitz Social Anxiety Scale:LSAS