

**Appendix 1** to Yang C, Li L, Hu X, Luo Q, Kuang W, Lui S, Huang X, Dai J, He M, Kemp GJ, Sweeney JA, Gong Q. Disorganization of white-matter brain tracts in patients with bipolar disorder: a meta-analysis of diffusion tensor imaging studies using tract-based spatial statistics *J Psychiatry Neurosci* 2018.

DOI: 10.1503/jpn.170221

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**Supplementary Table S1: Imaging Methodology Quality Assessment**

**Checklist (When criteria were partially met, 0.5 points were assigned)**

<b>Category 1: Subjects</b>	<b>Score (0/0.5/1)</b>
1 Patients were evaluated prospectively, specific diagnostic criteria were applied, and demographic data was reported	
2 Healthy comparison subjects were evaluated prospectively, psychiatric and medical illnesses were excluded	
3 Important variables (e.g. age, gender, illness duration, onset time, medication status, comorbidity, severity of illness) were checked, either by stratification or statistically	
4 Sample size per group > 10	
<b>Category 2: Methods for image acquisition and analysis</b>	
5 Magnet strength at least 1.5T	
6 MRI slice-thickness ≤ 3 mm	
7 Whole brain analysis was automated with no a-priori regional selection	
8 Coordinates reported in a standard space	
9 The imaging technique used was clearly described so that it could be reproduced	
10 Measurements were clearly described so that they could be reproduced	
<b>Category 3: Results and conclusions</b>	
11 Statistical parameters for significant, and important non-significant, differences were provided	
12 Conclusions were consistent with the results obtained and the limitations were discussed	
<b>TOTAL /12</b>	

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**Table S2:** Clusters of fractional anisotropy reductions in patients with bipolar disorder relative to healthy controls in the corrected studies

Region	Maximum			Cluster	
	MNI coordinates x, y, z	SDM-Z value	<i>p</i> value	No. of voxels	Breakdown (No. of voxel)
Genu of CC	-10,28,16	-1.675	0.000049055	297	CC (275) L anterior thalamic projections (13) L median network, cingulum (8) L striatum (1)
Body of CC	24, 20,36	-1.782	0.000049055	248	CC (157) R SLF II (29) R anterior thalamic projections (16) R pons (14) R SLF III (11) R striatum (10) R cortico-spinal projections (9) R inferior network, inferior fronto- occipital fasciculus (2)

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Body	-18, 32,32	-2.152	~0	140	CC (108)
of					L median network,
CC					cingulum (20)
					L SLF I (12)

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Abbreviations: CC, corpus callosum; SLF, superior longitudinal fasciculus; SDM, signed differential mapping; MNI, Montreal Neurological Institute