

## SUPPLEMENTARY MATERIAL

### Effects of Risperidone in Autistic Children and Young Adults: A Systematic Review and Meta-Analysis

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**Table S1.** Details of the search strategy.

Base	Search criteria
PubMed	("autistic disorder"[MeSH Terms] OR ("autistic"[All Fields] AND "disorder"[All Fields]) OR "autistic disorder"[All Fields] OR "autism"[All Fields]) AND ("risperidone"[MeSH Terms] OR "risperidone"[All Fields])
Scopus	(TITLE-ABS-KEY (autism) AND TITLE-ABS-KEY (risperidone))
Web of Science	TOPIC: (Autism) AND TOPIC: (Risperidone) Timespan: All years. Index: SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI.

**Supplementary Table 3. Quality assessment of included studies using Jadad scale.**

study	Was the study described as random?	Was the randomization scheme described and appropriate?	Was the study described as double-blind?	Was the method of double blinding appropriate?	Was there a description of dropouts and withdrawals?	Total	Quality
Rezaei et al., 2018	1	1	0	0	1	3	High
Firouzabadi et al., 2017	0	0	0	0	1	1	Low
Nikvarz et al., 2017	1	1	0	0	1	3	High
Aman et al., 2015	1	1	0	0	1	3	High
Choi et al., 2014	1	1	0	0	1	3	High
Ghaeli et al., 2014	0	0	0	0	1	1	Low
Ghanizadeh et al., 2014	0	-1	0	-1	1	-1	Low
Kent et al., 2013	1	0	0	0	0	1	Low
Kent et al., 2013	0	0	0	0	1	1	Low
Arnold et al., 2012	0	0	0	0	1	1	Low
DeSousa et al., 2010	0	0	0	0	1	1	Low
Gencer et al., 2008	1	1	1	1	1	5	High
Miral et al., 2008	0	0	0	0	1	1	Low
Pandina et al., 2007	1	1	1	1	1	5	High
McCracken et al., 2005	1	1	0	0	1	3	High
Troost et al., 2005	1	1	0	0	0	2	Low
Shea et al., 2004	1	-1	1	1	1	3	High
Arnold et al., 2003	0	0	0	0	0	0	Low
McCracken et al., 2002	0	0	0	0	1	1	Low
Lamberti et al., 2018	0	0	0	0	0	0	Low
Scahill et al., 2016	0	0	0	0	1	1	Low
Yoon et al., 2016	1	1	1	1	1	5	High
Calarge et al., 2015	1	1	1	1	1	5	High
Boon-yasidhi et al., 2014	1	1	1	1	1	5	High
Wink et al., 2014	1	1	1	1	1	5	High
Wei et al., 2011	0	0	0	0	0	0	Low
Correia et al., 2010	1	1	1	1	1	5	High
Hoekstra et al., 2010	1	1	1	1	1	5	High
Capone et al., 2008	1	1	1	1	1	5	High
Anderson et al., 2007	1	1	1	1	1	5	High
Canitano et al., 2006	0	0	0	0	0	0	Low
Lindsay et al., 2006	0	0	0	0	1	1	Low
Luby et al., 2006	0	0	0	0	1	1	Low
Nagaraj et al., 2006	1	-1	0	-1	1	0	Low
Aman et al., 2005	1	1	1	1	1	5	High

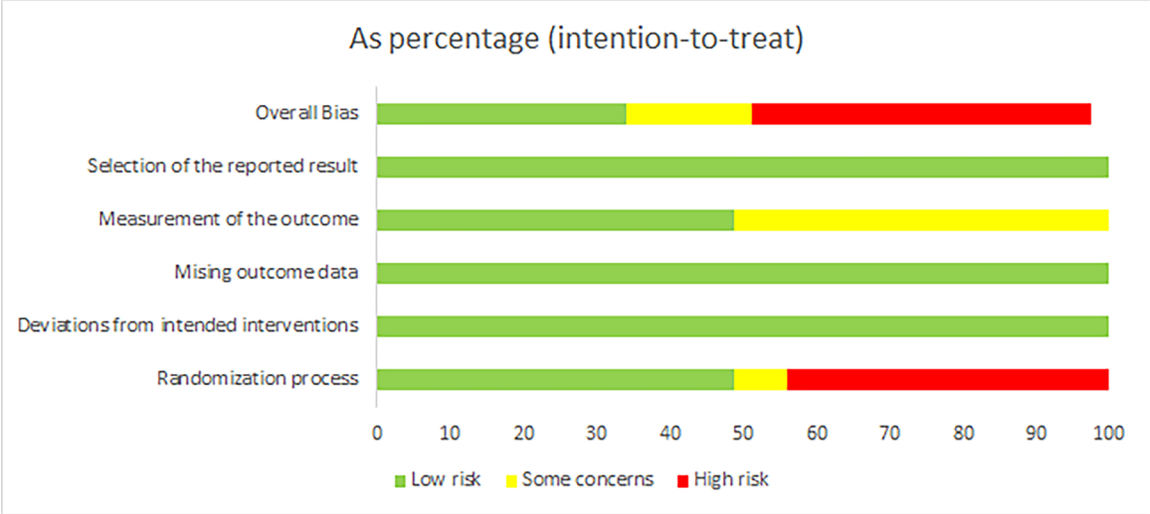
Gagliano et al., 2004	0	0	1	1	1	3	High
Martin et al., 2004	1	1	1	1	1	5	Low
Masi et al., 2001	0	0	0	0	1	1	Low
Masi et al., 2000	0	0	0	0	1	1	Low
Zuddas et al., 2000	0	0	0	0	1	1	Low
Nicolson et al., 1997	0	0	0	0	1	1	Low

<sup>1</sup> score lower than 3 were classified as low quality, while those higher than 3 were classified as high quality [19].

Study	Randomization process	Deviations from intended interventions	Missing outcome data	Measurement of the outcome	Selection of the reported result	Overall Bias
Rezaei et al., 2018	+	+	+	+	+	+
Firouzabadi et al., 2017	?	+	+	+	+	!
Nikvarz et al., 2017	+	+	+	?	+	!
Aman et al., 2015	-	+	+	?	+	-
Choi et al., 2014	+	+	+	+	+	-
Ghaeli et al., 2014	-	+	+	?	+	-
Ghanizadeh et al., 2014	+	+	+	+	+	+
Kent et al., 2013	+	+	+	+	+	+
Kent et al., 2013	?	+	+	?	+	!
Arnold et al., 2012	+	+	+	?	+	!
DeSousa et al., 2010	?	+	+	?	+	!
Gencer et al., 2008	+	+	+	?	+	!
Miral et al., 2008	+	+	+	+	+	+
Pandina et al., 2007	+	+	+	+	+	+
McCracken et al., 2005	+	+	+	+	+	+
Troost et al., 2005	+	+	+	+	+	+
Shea et al., 2004	+	+	+	+	+	+
Arnold et al., 2003	-	+	+	+	+	-
McCracken et al., 2002	+	+	+	+	+	+
Lamberti et al., 2018	-	+	+	?	+	-
Scahill et al., 2016	+	+	+	+	+	+
Yoon et al., 2016	-	+	+	+	+	-
Calarge et al., 2015	+	+	+	?	+	!
Boon-yasidhi et al., 2014	-	+	+	?	+	-
Wink et al., 2014	-	+	+	?	+	-
Wei et al., 2011	+	+	+	+	+	+
Correia et al., 2010	-	+	+	?	+	-
Hoekstra et al., 2010	-	+	+	?	+	-
Capone et al., 2008	-	+	+	?	+	-
Anderson et al., 2007	-	+	+	?	+	-
Canitano et al., 2006	-	+	+	?	+	-
Lindsay et al., 2006	+	+	+	+	+	+
Luby et al., 2006	+	+	+	+	+	+
Nagaraj et al., 2006	+	+	+	+	+	+
Aman et al., 2005	+	+	+	+	+	-
Gagliano et al., 2004	-	+	+	?	+	-
Martin et al., 2004	-	+	+	?	+	-
Masi et al., 2001	-	+	+	+	+	-
Masi et al., 2000	-	+	+	?	+	-
Zuddas et al., 2000	-	+	+	?	+	-
Nicolson, Awad and Sloman, 1997	-	+	+	?	+	-



Supplementary Fig. 1. Cochrane Risk of Bias Tool of study quality indicators in 41 included studies.



Supplementary Fig. 2. Summary of Cochrane Risk of Bias Tool assessment on risperidone studies.