

Appendix A. Search strategy

1	exp child development disorders, pervasive/	31618
2	Developmental Disabilities/	18993
3	pervasive development\$ disorder\$.tw.	1965
4	(pervasive adj3 child\$).tw.	457
5	(PDD or PDDs or ASD or ASDs).tw.	23718
6	autis\$.tw.	42462
7	asperger\$.tw.	1999
8	kanner\$.tw.	208
9	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8	72990
10	exp Schizophrenia/	100958
11	exp Paranoid Disorders/	4029
12	schizophrenic.mp.	49893
13	10 or 11 or 12	112467
14	9 and 13	1809

Appendix B. Quality assessment of observational included studies through Newcastle - Ottawa Quality Assessment Scale

Cross-sectional studies ¹							
	Selection			Comparability	Outcome		
Study	Representativeness of the sample	Sample size	Non-respondents	Ascertainment of the exposure (risk factor) (maximum 2 stars)	Comparability of outcome groups (maximum 2 stars)	Assessment of the outcome (maximum 2 stars)	Statistical test
<i>Bakken et al., 2010</i>	*	*	-	**	-	*	-
<i>Hofvander et al., 2009</i>	-	-	-	**	*	*	*
<i>Lugnegard et al., 2011</i>	*	-	-	**	-	*	-
<i>Stahlberg et al., 2004</i>	*	*	-	**	*	*	-
Case-control studies / Case series studies							
	Selection			Comparability	Exposure		
Study	Case definition	Representativeness of the cases	Selection of controls	Definition of controls	Comparability of cases and controls (maximum 2 stars)	Ascertainment of exposure (maximum 2 stars)	Non-response rate
<i>Abdallah et al., 2011</i>	*	*	*	*	*	**	*
<i>Guinchat et al., 2015 ²</i>	*	-	-	-	-	*	-
<i>Joshi et al., 2010</i>	*	*	*	*	*	**	-
<i>Mouridsen et al., 2007a</i>	*	*	*	*	**	**	*
<i>Mouridsen et al., 2007b</i>	*	*	*	*	**	**	*
<i>Raja et al., 2010 ²</i>	*	-	-	*	-	*	-
<i>Volkmar et al., 1991 ²</i>	*	*	-	-	-	*	-
Cohort studies							
	Selection			Comparability	Outcome		
Study	Representativeness of the exposed	Selection of the non-exposed	Ascertainment of exposure	Demonstration that outcome of interest	Comparability of cohorts (maximum	Assessment of outcome	Adequacy of follow up

	cohort	cohort		was not present at start of study	2 stars)		(maximum 2 stars)
<i>Billstedt et al., 2005</i>	-	*	*	-	-	-	**
<i>Eaves et al., 2008</i>	*	-	*	-	-	-	*
<i>Hutton et al., 2008</i>	*	-	*	-	-	*	**

¹ Quality assessment of cross-sectional included studies performed through Newcastle - Ottawa Quality Assessment Scale adapted for cross sectional studies (Modesti 2016)

Legend: NA: Not applicable for evaluating the quality in relation to the outcomes of our study

² Guinchat et al. (2015) and Volkmar et al. (1991) are case-series studies, without control groups; Raja et al. 2010 is a case-series study, with a control non-selected group.

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Appendix C. References for included and excluded studies.

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REFERENCES FOR EXCLUDED STUDIES

Full-text articles excluded because there was no outcome of interest

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Full-text articles excluded because the study population did not meet our inclusion criteria

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