**Appendix B. Study characteristics and risk of bias**

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| **Study** | **Clinical sample for analysis** | **Control sample for analysis** | **Design** | **Diagnostic tool** | **Metacognitions measure** | **Risk of bias** |
| Andor, Gerlach & Rist (2008) | GAD (N=33) | N=34 | Experiment | DSM-IVInterview | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Austin et al. (2014) | SCZ (N=367) | N=496 | Case-control | ICD-10SAPS | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | ?FairFairGood |
| Bagcioglu, Altunoluk, Bez, Soylemez, Asik & Emul (2012) | Premature ejaculation (N=40)Erectile dysfunction (N=40) | N=40 | Case-control | DSM-IV-TRInterview | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | Fair?GoodGood |
| Baker & Morrison (1998) | SCZ with current hallucinations (N=15)SCZ without hallucinations (N=15) | N=15 | Case-control | DSM-IVKGV-R | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | FairGoodGoodGood |
| Barahmand (2009) | MDD (N=60)GAD (N=60)OCD (N=60) | N=60 | Case-control | DSM-IV SCID-I/P | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Batmaz, Kaymak, Kocbiyik & Turcapar (2014) | Unipolar depressive disorder (N=166)Bipolar (type 1) depressive disorder (N=140) | N=151 | Case-control | DSM-IV-TRMINI | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | Good?GoodGood |
| Bouman & Meijer (1999) | Hypochondriasis (N=14) | N=25 | Case-control | DSM-IV | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | ??GoodGood |
| Brett, Johns, Peters & McGuire (2009) | Psychotic disorder (N=27) | N=32 | Case-control | NI | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Cartwright-Hatton & Wells (1997) | GAD (N=32)OCD (N=17) | N=32 | Case-control | DSM-III-R | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | ?GoodGoodGood |
| Chik, Calamari, Rector & Riemann (2010) | OCD (N=82) | N=41 | Case-control | DSM-IVADISDSM-IV-TRSCID | MCQ-30 CSC-E | Selection bias:Attrition bias:Detection bias:Reporting bias: | Good?GoodGood |
| Cooper, Grocutt, Deepak & Bailey (2007) | Anorexia nervosa (N=16) | N=17 | Case-control | DSM-IV | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Cucchi et al. (2012) | OCD (N=114)Panic disorder (N=119) | N=101 | Case-control | DSM-IVSCID-I, SCID-II | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Davenport, Rushford, Soon & McDermott (2015) | Typical anorexia nervosa (BMI<18.5, N=75)Atypical anorexia (BMI≥18.5, N=44) | N=100 | Case-control | DSM-VInterview | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Diefenbach, Gilliam & David (2012) | Older adults (Aged ≥65) with GAD (N=10) | Older adults (Aged ≥65) without anxiety or depressive disorders (N=43) | Case-control | DSM-IVADIS-IV | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | FairGoodGoodGood |
| Exner, Kohl, Zaudig, Langs, Lincoln & Rief (2009) | OCD (N=23) | N=22 | Case-control | DSM-IVMini-DIPS | CSC-E | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Fraser, Morrison & Wells (2006) | SCZ with persecutory delusions (N=15)Panic disorder (N=15) | N=15 | Case-control | DSM-IVInterview and case-notes | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | FairGoodGoodGood |
| García-Montes, Pérez-Álvarez, Balbuena, Garcelán & Cangas (2006) | SCZ with current hallucinations (N=21)SCZ never-hallucinated (N=22)SCZ recovered from hallucinations (N=16)OCD (N=23) | N=20 | Case-control | DSM-IV-TRSymptoms measured by using PANSS | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Goldston, Farhall, Thomas & Ong (2013) | Psychotic disorder (N=100) | N=133 | Case-control | No formal diagnostic assessment | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | FairGoodGoodGood |
| Halvorsen et al. (2014) | MDD (N=37) | N=50 | Case-control | DSM-IV-TRSCID-I | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | Good?GoodGood |
| Hansmeier, Glombiewski, Rief & Exner (2015) | OCD (N=26) | N=37 | Case-control | DSM-IVSCID | MCQ-65 CC, CSC subscales | Selection bias:Attrition bias:Detection bias:Reporting bias: | Fair?GoodGood |
| Hermans, Engelen, Grouwels, Joos, Lemmens & Pieters (2008) | OCD (N=16) | N=16 | Case-control | DSM-IVSCID | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | ?GoodGoodGood |
| Hermans, Martens, De Cort, Pieters & Eelen (2003) | OCD (N=17) | N=17 | Case-control | DSM-IV | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Janeck, Calamari, Riemann & Heffelfinger (2003) | OCD (N=30) | N=25 | Case-control | DSM-IVADIS-IV | CSC-E | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Jelineck, Wittekind, Kellner, Moritz & Muhtz (2013) | PTSD (N=20) | N=11 | Case-control | DSM-IVSCID | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Khawaja & Yu (2010) | GAD (N=50) | N=56 | Case-control | DSM-IV-TRMINIADIS | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | ?GoodGoodGood |
| Kikul, Van Allen & Exner (2012) | OCD (N=36)MDD (N=36) | N=36 | Experiment | DSM-IVSCID | CSC-E | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Lobban, Haddock, Kinderman & Wells (2002) | SCZ with current hallucinations (N=32)SCZ never hallucinated (N=23) | N=28 | Case-control | DSM-IVKGV-R | MCQ-SAM | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Marker, Calamari, Woodard & Riemann (2006) | OCD (N=43) | N=41 | Case-control | ADIS  | CSC-E | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Martin et al. (2014) | ED (N=178) | N=169 | Case-control | DSM-IV | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | ?GoodGoodGood |
| McDermott & Rushford (2011) | Anorexia nervosa (N=74) | N=93  | Case-control | DSM-IV-TR | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Moritz, Peters, Laroi & Lincoln (2010)  | OCD (N=55)SCZ (N=39) | N=49 | Case-control | Self-reportSymptoms measured by using Y-BOCS | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | FairGoodGoodGood |
| Morrison & Wells, 2003 | Panic disorder (N=35) | N=50 | Case-control | DSM-IV | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | ?GoodGoodGood |
| Morrison, French & Wells (2007) | SCZ (N=73) | N=188 | Case-control | DSM-IVInterview and case-notes | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | ?GoodGoodGood |
| Olstad, Solem, Hjemdal & Hagen (2015) | Anorexia nervosa (N=17)Bulimia Nervosa (N=14)Eating Disorder Not Otherwise Specified (N=22) | N=66 | Case-control | DSM-VSelf-report | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | FairGoodGoodGood |
| Önen, Uğurlu & Çayköylü (2013) | OCD (N=100) | N=50 | Case-control | DSM-IVSCID | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | ??GoodGood |
| Ostefjells et al. (2015) | Psychotic spectrum disorder (N=92)[Early psychosisnarrow schizophrenia spectrum disorders(N=66) broad schizophrenia spectrum disorders (N=26)] | N=97 | Case-control | DSM-IVSCID | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Papageorgiou & Wells (2003) | MDD (N=200) | N=200 | Case-control | DSM-IVSymptoms measured by using IDD | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Pazvantoglu et al. (2013) | OCD (N=52) | N=65 | Case-control | DSM-IVInterview | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | Good?GoodGood |
| Perona-Garcelan et al. (2012) | SCZ with hallucinations and delusions (N=27)SCZ with delusions but not hallucinations (N=20)SCZ remitted from positive symptoms (N=28) | N=27 | Case-control | DSM-IV-TRInverview and case-notesSymptoms measured by using PANSS | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Ruggiero et al. (2012) | GAD (N=119) | N=54 | Case-control | DSM-IVFor Italian sample: SCID-IFor Australian sample:ADIS-IV | MCQ-30 U/D subscale | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Ruscio & Borkovec (2004) | GAD (N=30) | N=306 | Case-control | DSM-IVGAD-Q-IV | MCQ-65 | Selection bias:Attrition bias:Detection bias:Reporting bias: | ?GoodGoodGood |
| Sarisoy et al. (2014) | Unipolar depressive disorder (N=51)Bipolar disorder (N=45) | N=60 | Case-control | DSM-IV | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | ??GoodGood |
| Sassaroli et al. (2015) | OCD (N=36) | N=31 | Case-control | DSM-IVSCID-I | MCQ-30 SPR subscale | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Stapinski, Abbott & Rapee (2010) | GAD (N=123) | N=76 | Case-control | DSM-IVADIS-IV | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Valiente, Prados, Go´mez1 & Fuentenebro (2012) | SCZ with persecutory delusions (N=55) | N=44  | Case-control | DSM-IVMINIPLUS | MCQ-30 | Selection bias:Attrition bias:Detection bias:Reporting bias: | Fair?GoodGood |
| Weber et al. (2014) | OCD (N=36)MMD (N=36) | N=36 | Experiment | DSM-IVSCID | MCQ-30 CSC subscale | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |
| Wells & Carter (2002) | GAD (N=24)Panic disorder (N=24)Social phobia (N=24)MDD (N=24) | N=24 | Case-control | DSM-III-RSCID | MCQ-65 PB, U/D, SPR subscales | Selection bias:Attrition bias:Detection bias:Reporting bias: | GoodGoodGoodGood |

*Note:* GAD=Generalized Anxiety Disorder, SCZ=Schizophrenia Spectrum And Other Psychotic Disorders, MDD=Major Depressive Disorder, OCD=Obsessive-Compulsive Disorder, PTSD=Posttraumatic Stress Disorder, ED=Eating Disorder, DSM=The Diagnostic And Statistical Manual Of Mental Disorders, ICD=International Classification Of Diseases, SAPS=Scale For Assessment Of Positive Symptoms, KGV-R=Structured Clinical Interview Of Affect, Positive And Negative Psychotic Symptoms, SCID=Structured Clinical Interview For DSM, MINI=Mini International Neuropsychiatric Interview, ADIS=Anxiety Disorders Interview Schedule, Mini-DIPS=The Diagnostic Interview For Mental Disorders, PANSS=The Positive And Negative Syndrome Scale (PANSS), Y-BOCS=Yale-Brown Obsessive-Compulsive Scale, IDD=The Inventory To Diagnose Depression, GAD-Q-IV=The Generalized Anxiety Disorder Questionnaire, MINIPLUS=MINI International Neuropsychiatric Interview, MCQ=Meta-Cognitions Questionnaire, CSC-E=Cognitive Self-Consciousness-Expanded, MCQ-SAM=Meta-Cognitions Questionnaire-Short And Modified.