**Supplemental table 1: Characteristics of included pooled-trials publications.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Pooled–trials publication (author, year)** | **Unpublished trials included** | **Research question** | **Abstract judgement** |
|  |
| **Bupropion** |
| (1) Settle, 1999 | 205, 212 | Safety | Positive |
|  |
| **Citalopram** |
| (2) Pedersen, 2006 | 89306 | Safety | Positive |
|  |
| **Desvenlafaxine** |
| (3) Bech, 2010 | 223 | Other efficacy | Neutral |
| (4) Clayton, 2009 | 223, 309, 317 | Safety | Positive |
| (5) Kornstein, 2010 | 223, 309, 317 | Predictors of efficacy | Positive |
| (6) Kornstein, 2009 | 223, 309, 317 | Secondary efficacy | Positive |
| (7) ***Lieberman, 2008*** | ***309, 317*** | ***Primary efficacy*** | ***Positive*** |
| (8) Montgomery, 2009 | 223, 309, 317 | Safety | Negative |
| (9) Soares, 2009 | 223, 309, 317 | Secondary efficacy | Positive |
| (10) Thase, 2009 | 223, 309, 317 | Primary efficacy | Positive |
| (11) Thase, 2015 | 223 | Safety | Negative |
| (12) Tourian, 2010a  | 223, 309, 317 | Secondary efficacy | Positive |
| (13) Tourian, 2010b  | 223, 309, 317 | Safety | Positive |
| (14) Tourian, 2010c  | 223, 309, 317 | Safety | Positive |
|  |
| **Duloxetine** |
| (15) Bailey, 2006 | HMAT-A, HMAQ-B | Predictors of efficacy | Positive |
| (16) Ball, 2011 | HMAT-A | Secondary efficacy | Positive |
| (17) Barros, 2014 | HMAT-A | Predictors of efficacy | Positive |
| (18) Bech, 2006 | HMAT-A | Other efficacy | Positive |
| (19) Brecht, 2008 | HMAT-A, HMAQ-B | Secondary efficacy  | Positive |
| (20) Brunton, 2010 | HMAT-A, HMAQ-B | Safety | Negative |
| (21) Cookson, 2006 | HMAT-A, HMAQ-B | Secondary efficacy  | Positive |
| (22) Delgado, 2005 | HMAT-A | Safety | Positive |
| (23) Dodd, 2014 | HMAT-A, HMAQ-B | Predictors of efficacy | Neutral  |
| (24) Dodd, 2015 | HMAT-A, HMAQ-B | Safety | Neutral |
| (25) Dunner, 2003 | HMAT-A, HMAQ-B | Secondary efficacy  | Positive |
| (26) Dunner, 2005 | HMAT-A, HMAQ-B | Safety | Positive |
| (27) Fishbain, 2008 | HMAT-A | Other efficacy | Positive |
| (28) Greist, 2004 | HMAT-A, HMAQ-B | Safety | Positive |
| (29) Gueorguieva, 2011 | HMAT-A, HMAQ-B | Primary efficacy | Positive |
| (30) Harada, 2015a | HMAT-A | Primary efficacy | Positive |
| (31) Harada, 2015b | HMAT-A, HMAQ-B | Secondary efficacy | Positive |
| (32) Harada, 2016 | HMAT-A, HMAQ-B | Safety | Neutral |
| (33) Hudson, 2005 | HMAT-A, HMAQ-B | Safety | Positive |
| (34) Kornstein, 2006 | HMAT-A, HMAQ-B | Predictors of efficacy | Positive |
| (35) Lewis-Fernandez, 2006 | HMAT-A, HMAQ-B | Predictors of efficacy | Positive |
| (36) Lobo, 2009 | HMAQ-B | Other efficacy | Neutral |
| (37) Mallinckrodt, 2003 | HMAT-A, HMAQ-B | Secondary efficacy | Positive |
| (38) Mallinckrodt, 2004 | HMAT-A, HMAQ-B | Other efficacy | Neutral |
| (39) Mallinckrodt, 2005 | HMAT-A, HMAQ-B | Predictors of efficacy | Positive |
| (40) ***Mallinckrodt, 2006*** | ***HMAT-A*** | ***Primary efficacy*** | ***Positive*** |
| (41) Mallinckrodt, 2008 | HMAT-A, HMAQ-B | Secondary efficacy | Positive |
| (42) Nelson, 2005 | HMAT-A, HMAQ-B | Predictors of efficacy | Positive |
| (43) Nelson, 2006 | HMAT-A | Safety | Positive |
| (44) Nelson, 2010 | HMAT-A, HMAQ-B | Predictors of efficacy | Positive |
| (45) Nelson, 2011 | HMAT-A, HMAQ-B | Predictors of efficacy | Neutral |
| (46) Nelson, 2013 | HMAT-A, HMAQ-B | Predictors of efficacy | Positive |
| (47) ***Nemeroff, 2002*** | ***HMAT-A, HMAQ-B*** | ***Primary efficacy*** | ***Positive*** |
| (48) Perahia, 2005 | HMAT-A, HMAQ-B | Safety | Positive |
| (49) Perahia, 2006 | HMAT-A, HMAQ-B | Predictors of efficacy | Positive |
| (50) Pritchett, 2007 | HMAT-A | Other efficacy | Positive |
| (51) Schacht, 2014 | HMAT-A, HMAQ-B | Predictors of efficacy | Neutral |
| (52) Shelton, 2007 | HMAT-A, HMAQ-B | Predictors of efficacy | Positive |
| (53) Stewart, 2006 | HMAT-A, HMAQ-B | Safety | Positive |
| (54) Thase, 2005 | HMAT-A, HMAQ-B | Safety | Positive |
| (55) Thase, 2007 | HMAT-A, HMAQ-B | Secondary efficacy | Positive |
| (56) Tokuoka, 2016 | HMAT-A, HMAQ-B | Predictors of efficacy | Neutral |
| (57) Viktrup, 2004 | HMAT-A, HMAQ-B | Safety | Positive |
| (58) Wernicke, 2007 | HMAT-A, HMAQ-B | Safety | Positive |
| (59) Wise, 2006 | HMAT-A, HMAQ-B | Safety | Positive |
|  |
| **Escitalopram** |
| (60) Baldwin, 2007 | SCT-MD-02 | Safety | Positive |
| (61) Baldwin, 2009 | SCT-MD-02 | Other efficacy | Neutral |
| (62) Bandelow, 2007 | SCT-MD-02 | Secondary efficacy | Positive |
| (63) Demyttenaere, 2008 | SCT-MD-02 | Secondary efficacy | Positive |
| (64) Demyttenaere, 2011 | SCT-MD-02 | Other efficacy | Neutral |
| (65) Gorman, 2002 | SCT-MD-02 | Secondary efficacy | Positive |
| (66) Kennedy, 2009 | SCT-MD-02 | Secondary efficacy | Positive |
| (67) Kilts, 2009 | SCT-MD-02 | Predictors of efficacy | Positive |
| (68) Lader, 2005 | SCT-MD-02 | Secondary efficacy | Positive |
| (69) Lam, 2006 | SCT-MD-02 | Predictors of efficacy | Positive |
| (70) Llorca, 2005 | SCT-MD-02 | Other efficacy | Positive |
| (71) Papakostas, 2011 | SCT-MD-02 | Predictors of efficacy | Positive |
| (72) Pedersen, 2005 | SCT-MD-02 | Safety | Positive |
| (73) Stein, 2006 | SCT-MD-02 | Other efficacy | Neutral |
| (74) Stein, 2011 | SCT-MD-02 | Secondary efficacy | Positive |
| (75) Wade, 2006 | SCT-MD-02 | Predictors of efficacy | Neutral |
|  |
| **Mirtazapine** |
| (76) Bech, 2001 | 003-020, 003-021 | Secondary efficacy | Positive |
| (77) Fawcett, 1998 | 003-003, 003-008, 003-020, 003-021 | Secondary efficacy | Positive |
| (78) Leucht, 2017 | 003-003, 003-008, 003-020, 003-021 | Other efficacy | Neutral |
| (79) Stahl, 1997 | 003-020, 003-021 | Secondary efficacy | Positive |
|  |
| **Paroxetine IR and CR** |
| (80) Carpenter, 2011 | 448, 449, UK-12, 01, 09 | Safety | Negative |
| (81) Dunbar, 1991 | 03-003 | Primary efficacy | Positive |
| (82) Feighner, 1992 | 03-003 | Primary efficacy | Positive |
| (83) Feighner, 1993 | 03-003 | Primary efficacy | Positive |
| (84) Kraus, 2010 | 448, 449, UK-12, 01, 09 | Safety | Negative |
| (85) Montgomery, 1992 | 03-003 | Other efficacy | Positive |
| (86) Dunner, 2005 | 448, 449 | Predictors of efficacy | Positive |
| (87) Golden, 2002 | 448, 449 | Primary efficacy | Positive |
|  |
| **Sertraline** |
| (88) Berti, 1995 | 315 | Predictors of efficacy | Positive |
| (89) Fisch, 1992 | 101 | Safety | Positive |
|  |
| **Venlafaxine IR and XR** |
| (90) Danjou, 1995 | 303 | Safety | Positive |
| (91) Entsuah, 1995a | 303 | Predictors of efficacy | Positive |
| (92) Entsuah, 1995b | 303 | Predictors of efficacy  | Positive |
| (93) Entsuah, 2001 | 367 | Predictors of efficacy | Positive |
| (94) Entsuah, 2002 | 367 | Other efficacy | Positive |
| (95) Gibbons, 2012a | 303, 367 | Primary efficacy | Positive |
| (96) Gibbons, 2012b | 303, 367 | Safety | Positive |
| (97) Mallick, 2003 | 367 | Secondary efficacy | Positive |
| (98) ***Mendlewicz, 1995*** | ***303*** | ***Primary efficacy*** | ***Positive*** |
| (99) Nemeroff, 2008 | 367 | Secondary efficacy | Positive |
| (100) Rudolph, 1998 | 303 | Secondary efficacy | Positive |
| (101) Shelton, 2005 | 367 | Secondary efficacy | Positive |
| (102) Silverstone, 2002 | 367 | Predictors of efficacy | Positive |
| (103) Stahl, 2002 | 367 | Secondary efficacy | Positive |
| (104) Thase, 2001 | 367 | Secondary efficacy | Positive |
| (105) Thase, 2005 | 367 | Predictors of efficacy | Positive |
| (106) Thase, 2017 | 367 | Primary efficacy | Positive |
| (107) Trivedi, 2004 | 367 | Secondary efficacy | Positive |

Table notes: Studies that are in bold and italics include individual trial results.

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