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Syndromes versus symptoms : towards validation of a dimensional approach of depression and anxiety

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References

A

- Abbott, A. (2008). Psychiatric genetics: The brains of the family. *Nature* 2008; 454: 154-157.
- Abelson, JL, Khan, S, Liberzon, I, Young, EA. HPA axis activity in patients with panic disorder: review and synthesis of four studies. *Depress. Anxiety* 2007; 24: 66-76.
- Ajilore, O, Haroon, E, Kumaran, S, Darwin, C, Binesh, N, Mintz, et al. Measurement of brain metabolites in patients with type 2 diabetes and major depression using proton magnetic resonance spectroscopy. *Neuropsychopharmacology* 2007; 32:1224–31.
- Akiskal, HS., Judd, LL, Gillin, JC & Lemmi, H. Subthreshold depressions: clinical and polysomnographic validation of dysthymic, residual and masked forms. *J. Affect. Disord.* 1997; 45:53-63.
- Alexopoulos, GS, Meyers, BS, Young, RC, Campbell, S, Silbersweig, D, Charlson, M. 'Vascular depression' hypothesis. *Arch. Gen. Psychiatry* 1997; 54:915–22.
- Almeida, OP, Calver, J, Jamrozik, K, Hankey, GJ, Flicker, L. Obesity and metabolic syndrome increase the risk of incident depression in older men: the health in men study. *Am. J. Geriatr. Psychiatry* 2009; 17:889–98.
- Alonso, J, Angermeyer, MC, Bernert, S, Bruffaerts, R, Brugha, TS, Bryson et al. Disability and quality of life impact of mental disorders in Europe: results from the European Study of the Epidemiology of Mental Disorders (ESEMeD) project. *Acta Psychiatr. Scand. Suppl* 2004; 38-46.
- Altman, D. G. & Royston, P. (2006). The cost of dichotomising continuous variables. *BMJ* 2006; 332: 1080.
- American Psychiatric Association (2000). Diagnostic and statistical manual of mental disorders (4th edition, text revision). In (Anonymous), APA: Washington, DC.
- Andrews, G, Brugha, T, Thase, ME, Firoozmand Duffy, F, Rucci, P, Slade, T. Dimensionality and the category of major depressive episode. *Int. J. Meth. Psych. Res.* 2007; 16 (S1): S41-S51.

B

- Bagby, RM, Ryder, AG, Schuller, DR, Marshall, MB. The Hamilton Depression Rating Scale: has the gold standard become a lead weight? *Am. J. Psychiatry* 2004; 161:2163-2177.
- Barbui, C, Cipriani, A, Patel, V, Ayuso-Mateos, JL & van Ommeren, M. Efficacy of antidepressants and benzodiazepines in minor depression: systematic review and meta-analysis. *Br. J Psychiatry* 2011; 198: 11-16.
- Barefoot, JC, Schroll, M. Symptoms of depression, acute myocardial infarction, and total mortality in a community sample. *Circulation* 1996; 93: 1976–80.

- Barth, J, Schumacher, M, Herrmann-Lingen, C. Depression as a risk factor for mortality in patients with coronary heart disease: a meta-analysis. *Psychosom Med* 2004; 66:802–13.
- Bays, HE, Dujovne, CA, McGovern, ME, White, TE, Kashyap, ML, Hutcheson AG, et al. Comparison of once-daily, niacin extended-release/lovastatin with standard doses of atorvastatin and simvastatin (the ADVICOR Versus Other Cholesterol-Modulating Agents Trial Evaluation [ADVOCATE]). *Am J Cardiol* 2003; 91:667–72.
- Beautrais, AL, Joyce, PR, Mulder, RT, Fergusson, DM, Deavoll, BJ, Nightingale, SK. Prevalence and comorbidity of mental disorders in persons making serious suicide attempts: a case-control study. *Am. J. Psychiatry* 1996; 153: 1009-1014.
- Bech, P, Allerup, P, Gram, LF, Reisby, N, Rosenberg, R, Jacobsen, O, et al. The Hamilton depression scale. Evaluation of objectivity using logistic models. *Acta Psychiatr.Scand* 1981; 63: 290-299.
- Bech, P, Wilson, P, Wessel, T, Lunde, M, Fava, M. A validation analysis of two self-reported HAM-D6 versions. *Acta Psychiatr.Scand* 2009; 119: 298-303.
- Beck, AT, Steer, RA. (1987) Manual for the revised beck depression inventory, Psychological Corporation, San Antonio.
- Beck, AT, Epstein, N, Brown, G, Steers, RA. An inventory for measuring clinical anxiety: psychometric properties. *J. Consult. Clin. Psychol.* 1988; 56:893–7.
- Beck, AT, Steer, RA, Garbin, MG. Psychometric Properties of the Beck Depression Inventory - 25 Years of Evaluation. *Clin.Psychol.Rev.* 1988; 8:77-100.
- Beck, AT, Steer, RA, Brown, GK, van der Does, AJW. 2002. BDI-II-NL Handleiding (BDI-II-Dutch Manual). Lisse, The Netherlands: Psychological Corporation.
- Bedford, A. On Clark-Watson's tripartite model of anxiety and depression. *Psychol. Rep.* 1997; 80: 125-126.
- Belanoff, JK, Flores, BH, Kalezhan, M, Sund, B, Schatzberg, AF. Rapid reversal of psychotic depression using mifepristone. *J.Clin.Psychopharmacol.* 2001; 21:516-521.
- Benitez, CI, Shea, MT, Raffa, S, et al. Anxiety sensitivity as a predictor of the clinical course of panic disorder: a 1-year follow-up study. *Depress Anxiety* 2009;26: 335-342
- Bentler, PM. 2006. EQS 6 Structural Equations Program Manual. Multivariate Software Inc, Encino, CA.
- Bernstein, IH, Rush, AJ, Thomas, CJ, Woo, A, Trivedi, MH. Item Response Analysis of the Inventory of Depressive Symptomatology. *Neuropsychiatr.Dis.Treat.* 2006; 2: 557-564.
- Bhagwagar Z, Hafizi S, Cowen PJ. Increased salivary cortisol after waking in depression. *Psychopharmacology* 2005; 182: 54-57.
- Bijl, RV, Ravelli, A, van Zessen, G. Prevalence of psychiatric disorder in the general population: results of The Netherlands Mental Health Survey and Incidence Study (NEMESIS). *Soc. Psychiatry Psychiatr. Epidemiol.* 1998; 33: 587-595.
- Billings, AG, Moos, RH. The role of coping responses and social resources in attenuating the stress of life events. *J. Behav. Med.* 1981; 4:139-157.

- Bjorntorp, P. Do stress reactions cause abdominal obesity and comorbidities? *Obes Rev* 2001;2:73– 86.
- Blazer, D, Hughes, D, George, LK. Stressful life events and the onset of a generalized anxiety syndrome. *Am. J. Psychiatry* 1987; 144:1178-1183.
- Boomsma, D. I., Willemsen, G., Sullivan, P. F., Heutink, P., Meijer, P., Sondervan, D. et al. Genome-wide association of major depression: description of samples for the GAIN Major Depressive Disorder Study: NTR and NESDA biobank projects. *Eur. J. Hum. Genet.* 16, 335-342.
- Booth, M. Assessment of physical activity: an international perspective. *Res. Q. Exerc. Sport.* 2000; 71:S114 –20.
- Bosch, NM, Riese, H, Dietrich, A, Ormel, J, Verhulst, FC, Oldehinkel, AJ. Preadolescents' somatic and cognitive-affective depressive symptoms are differentially related to cardiac autonomic function and cortisol: the TRAILS study. *Psychosom. Med.* 2009;71:944 –50.
- Boschen, MJ, Oei, TP. Factor structure of the Mood and Anxiety Symptom Questionnaire does not generalize to an anxious/depressed sample. *Austr NZ J Psychiatry* 2006; 40: 1016-1024.
- Boschen, MJ, Oei, TP. Discriminant validity of the MASQ in a clinical sample. *Psychiatry Res.* 2007; 150: 163-171.
- Bosker, F J. Poor replication of candidate genes for major depressive disorder using genome-wide association data. *Mol.Psychiatry* 2011; 16: 516.
- Bouman, TK, Kok, AR. Homogeneity of Beck's Depression Inventory (BDI): applying Rasch analysis in conceptual exploration. *Acta Psychiatr.Scand.* 1987; 76: 568-573.
- Brauner, N, Shacham, M. Identifying and removing sources of imprecision in polynomial regression. *Mathematics and Computers in Simulation* 1998; 48:75-91.
- Breen, G, Lewis, CM, Vassos, E, Pergadia, ML, Blackwood, DH, Boomsma, DI et al. Replication of association of 3p21.1 with susceptibility to bipolar disorder but not major depression. *Nat. Genet.* 2011; 43: 3-5.
- Bremmer, MA, Beekman, AT, Deeg, DJ, Penninx, BW, Dik, MG, Hack, CE, et al. Inflammatory markers in late-life depression: results from a population-based study. *J. Affect. Disord.* 2008;106:249 –55.
- Bremmer, MA, Deeg, DJ, Beekman, AT, Penninx, BW, Lips, P, Hoogendijk, WJ. Major depression in late life is associated with both hypo- and hypercortisolemia. *Biol. Psychiatry* 2007: 62: 479-486.
- Brilman, EI, Ormel, J. Life events, difficulties and onset of depressive episodes in later life. *Psychol. Med.* 2001; 31:859-869.
- Brown, C, Schulberg, HC, Madonia, MJ, Shear, MK, Houck, PR. Treatment outcomes for primary care patients with major depression and lifetime anxiety disorders. *Am. J. Psychiatry* 1996; 153:1293-1300.
- Brown, ES, Varghese, FP, McEwen BS. Association of depression with medical illness: does cortisol play a role? *Biol Psychiatry* 2004; 55:1–9.
- Brown, GW, Harris, TO, Hepworth, C. Loss, humiliation and entrapment among women developing depression: a patient and non-patient comparison. *Psychol. Med.* 1995; 25; 7-21.

- Brown, TA, Chorpita, BF, Barlow, DH. Structural relationships among dimensions of the DSM-IV anxiety and mood disorders and dimensions of negative affect, positive affect, and autonomic arousal. *J Abnorm. Psychol.* 1998; 107: 179-192.
- Brown, TA, Campbell, LA, Lehman, CL, Grisham, JR, Mancill, RB. Current and lifetime comorbidity of the DSM-IV anxiety and mood disorders in a large clinical sample. *J Abnorm Psychol* 2001;110:585–99.
- Brown, TA. 2006. *Confirmatory Factor Analysis for Applied Research*. The Guilford Press, New York, NY.
- Brown, WA. Treatment response in melancholia. *Acta Psychiatr. Scand.* 2007; Suppl : 125-129.
- Brugha, T, Bebbington, P, Tennant, C, Hurry, J. The list of threatening experiences: a subset of 12 life event categories with considerable long-term contextual threat. *Psychol Med* 1985 15: 189–94.
- Brugha, TS, Cragg, D. The List of Threatening Experiences: the reliability and validity of a brief life events questionnaire. *Acta Psychiatr. Scand* 1990; 82:77-81.
- Buchanan, TW, al'Absi, M, Lovallo, WR. Cortisol fluctuates with increases and decreases in negative affect. *Psychoneuroendocrinology* 1999; 24:227-241.
- Buckby, JA, Cotton, SM, Cosgrave, EM, Killackey, EJ, Yung, AR. A factor analytic investigation of the Tripartite model of affect in a clinical sample of young Australians. *BMC. Psychiatry* 2008; 8: 79.
- Burns, DD, Eidelson, RJ. Why are depression and anxiety correlated? A test of the tripartite model. *J. Consult. Clin. Psychol.* 1998; 66: 461-473.
- Byrne, BA. 2006. *Structural Equation Modeling with EQS: Basic Concepts, Applications and Programming*, Lawrence Erlbaum Associates, New Jersey.

C

- Carragher, N, Adamson, G, Bunting, B, McCann, S. Subtypes of depression in a nationally representative sample. *J Affect. Disord.* 2009; 113: 88-99.
- Carroll, D, Phillips, AC, Thomas, GN, Gale, CR, Deary, I, Batty, GD. Generalized anxiety disorder is associated with metabolic syndrome in the Vietnam experience study. *Biol Psychiatry* 2009;66:91–3.
- Casillas, A, Clark, LA. The Mini Mood and Anxiety Symptom Questionnaire (Mini-MASQ). Poster presented at the 72nd Annual Meeting of the Midwestern Psychological Association 2000, Chicago, IL.
- Caspi, A, Moffitt, TE. Gene-environment interactions in psychiatry: joining forces with neuroscience. *Nat Rev Neurosci* 2006; 7: 583-590.
- Caspi, A, Sugden, K, Moffitt, T E, Taylor, A, Craig, IW, Harrington, H. et al. Influence of Life Stress on Depression: Moderation by a Polymorphism in the 5-HTT Gene. *Science* 2003: 301: 386-389.

- Chambers, JA, Power, KG, Durham, RC. The relationship between trait vulnerability and anxiety and depressive diagnoses at long-term follow-up of Generalized Anxiety Disorder. *J. Anx. Disord* 2004; 18: 587-607.
- Charney, DS. Life stress, genes, and depression: multiple pathways lead to increased risk and new opportunities for intervention. *Science's signal transduction knowledge environment* 2004, 225.
- Chorpita, BF, Daleiden, EL. Tripartite dimensions of emotion in a child clinical sample: measurement strategies and implications for clinical utility. *J. Consult. Clin. Psychol.* 2002;70:1150–60.
- Chorpita, BF. The tripartite model and dimensions of anxiety and depression: an examination of structure in a large school sample. *J. Abnorm. Child Psychol.* 2002; 30: 177-190.
- Chrousos, GP. The role of stress and the hypothalamic-pituitary-adrenal axis in the pathogenesis of the metabolic syndrome: neuro-endocrine and target tissue-related causes. *Int. J. Obes. Relat. Metab. Disord.* 2000; 24 Suppl2:S50 –5.
- Clark, LA, Watson, D. Tripartite model of anxiety and depression: psychometric evidence and taxonomic implications. *J. Abnorm. Psychol.* 1991; 100:316 –336.
- Clark, LA, Watson, D, Reynolds, S. Diagnosis and Classification of Psychopathology - Challenges to the Current System and Future-Directions. *Annu. Rev. Psychol.* 1995; 46: 121-153.
- Clark, LA, Vittengl, J, Kraft, D, Jarrett, RB. Separate personality traits from states to predict depression. *J. Pers. Disord.* 2003; 17: 152-172.
- Clark, LA, Watson, D, Mineka, S. Temperament, personality, and the mood and anxiety disorders. *J. Abnorm. Psychol.* 1994; 103: 103-116.
- Clarke, GN, Hawkins, W, Murphy, M, Sheeber, LB, Lewinsohn, PM, Seeley, J R. Targeted prevention of unipolar depressive disorder in an at-risk sample of high school adolescents: a randomized trial of a group cognitive intervention. *J. Am. Acad. Child. Adolesc. Psychiatry.* 1995; 34: 312-321.
- Clarke, GN, Hornbrook, M, Lynch, F, Polen, M, Gale, J, Beardslee, W. et al. A randomized trial of a group cognitive intervention for preventing depression in adolescent offspring of depressed parents. *Arch. Gen. Psych.* 2001; 58: 1127-1134.
- Cohen, S, Wills, TA. Stress, social support, and the buffering hypothesis. *Psychol. Bull.* 1985; 98: 310-357.
- Cole, JC, Rabin, AS, Smith, TL, Kaufman, AS. Development and validation of a Rasch-derived CES-D short form. *Psychol. Assess.* 2004; 16: 360-372.
- Conradi, HJ, de Jonge, P, Ormel, J. Prediction of the three-year course of recurrent depression in primary care patients: different risk factors for different outcomes. *J. Affect. Disord.* 2008; 105: 267-271
- Cook, JM, Orvaschel, H, Simco, E, Hersen, M, Joiner, T. A test of the tripartite model of depression and anxiety in older adult psychiatric outpatients. *Psychol. Aging* 2004; 19:444-451.
- Corruble, E, Legrand, JM, Duret, C, Charles, G, Guelfi, JD. IDS-C and IDS-SR: Psychometric properties in depressed in-patients. *J. Affect. Disord.* 1999; 56: 95-101.

Cox, BJ, Enns, MW, Larsen, DK . The continuity of depression symptoms: Use of cluster analysis for profile identification in patient and student samples. *J. Aff. Disord.* 2001; 65: 67-73.

Coyne, JC. Social factors and psychopathology: Stress, social support, and coping processes. *Annu. Rev. Psychol.* 1991; 42: 401.

Craig, CL, Marshall, AL, Sjoström, MI, Bauman, AE, Booth, ML, Ainsworth, BE, et al. International Physical Activity Questionnaire: 12-Country Reliability and Validity. *Medicine & Science in Sports & Exercise* 2003; 35:1381-1395.

Cuijpers, P, de Graaf, R, van Dorsselaer, S. Minor depression: risk profiles, functional disability, health care use and risk of developing major depression. *J Affect. Disord.* 2004; 79: 71-79.

Cutrona, CE, Russell, DW, Hessling, RM, Brown, PA. Direct and moderating effects of community context on the psychological wellbeing of African American Women. *J. Pers. Soc. Psychol.* 2000; 79: 1088-1101.

D

De Beurs, E, Comijs, H, Twisk, JW, Sonnenberg, C, Beekman, AT, Deeg, D. Stability and change of emotional functioning, in late life: modelling of vulnerability profiles. *J. Aff. Disord.* 2005; 84: 53-62.

De Beurs E, Hollander-Gijsman ME, Helmich S, Zitman F. The tripartite model for assessing symptoms of anxiety and depression: psychometrics of the Dutch version of the mood and anxiety symptoms questionnaire. *Behav. Res. Ther.* 2007; 45:1609 –17.

De Beurs, E, Zitman, FG. The Brief Symptom Inventory (BSI): The reliability and validity of a brief alternative of the SCL-90. *Maandblad Geestelijke Volksgezondheid* 2006; 61: 120-141.

De Beurs, E, Zitman, FG, 2007. Routine Outcome Monitoring. Measuring therapy effects in clinical practice with Webbased Software. *Maandblad Geestelijke Volksgezondheid* 2007; 62: 13-28.

De Jonge, P, Ormel, J, van den Brink, RH, van Melle, JP, Spijkerman, TA, Kuijper A, et al. Symptom dimensions of depression following myocardial infarction and their relationship with somatic health status and cardiovascular prognosis. *Am. J. Psychiatry.* 2006;163:138–44.

de Kloet, ER, Joels, M, Holsboer, F. Stress and the brain: from adaptation to disease. *Nat. Rev. Neurosci.* 2005; 6: 463-475.

den Hollander-Gijsman, ME, de Beurs, E, van der Wee, NJ, van Rood, YR, Zitman, FG. Distinguishing between depression and anxiety: a proposal for an extension of the tripartite model. *Eur. Psychiatry* 2010; 25: 197-205.

den Hollander-Gijsman, ME, Wardenaar, K J, de Beurs, E, van der Wee, NJ, Mooijaart, A, Zitman, FG. Distinguishing symptom dimensions of depression and anxiety: An integrative approach. *J. Affect. Disord.* 2011; 136: 693-701.

Derogatis, LR. 1975. *The Brief Symptom Inventory*, Clinical Psychometric Research, Baltimore.

Dillman, DA, Sinclair, MD, Clark, JR. Effects of questionnaire length, respondent-friendly design and a difficult question on response rates for occupant-addressed census mail surveys. *Pub. Opin. Quarterly* 1993; 57: 289-304.

Drevets, WC. Brain structural and functional abnormalities in mood disorders: implications for neurocircuitry models of depression. *Brain struct. Funct.* 2008; 213: 93.

Duman, RS, Monteggia, LM. A neurotrophic model for stress-related mood disorders. *Biol. Psychiatry* 2006; 59: 1116-1127.

E

Edwards, S, Clow, A, Evans, P, Hucklebridge, F. Exploration of the awakening cortisol response in relation to diurnal cortisol secretory activity. *Life Sci.* 2001; 68: 2093-2103.

Erhardt, A, Ising, M, Unschuld, PG, Kern, N, Lucae, S, Putz, B et al. Regulation of the hypothalamic-pituitary-adrenocortical system in patients with panic disorder. *Neuropsychopharmacology* 2006; 31:2515-2522.

Endler, NS, Rutherford, A, Denisoff, E. Beck depression inventory: exploring its dimensionality in a nonclinical population. *J. Clin. Psychol* 1999; 55: 1307-1312.

Engel, GL. The need for a new medical model: a challenge for biomedicine. *Science* 1977; 196: 129-136.

F

Fabrigar, LR, Wegener, DT, MacCallum, RC, Strahan, EJ. Evaluating the use of exploratory factor analysis in psychological research. *Psychol. Methods* 1999; 4:272-299.

Fava, GA, Kellner, R. Staging: a neglected dimension in psychiatric classification. *Acta Psychiatr. Scand.* 1993; 87: 225-230.

Fichter, MM, Quadflieg, N, Fischer, UC, Kohlboeck, G. Twenty-five-year course and outcome in anxiety and depression in the Upper Bavarian Longitudinal Community Study. *Acta Psychiatr. Scand.* 2010; 122:75-85.

First, MB. Clinical utility: a prerequisite for the adoption of a dimensional approach in DSM. *J. Abnorm. Psychol.* 2005; 114: 560-564.

Flett, GL. The continuity of depression in clinical and nonclinical samples. *Psychol. Bull.* 1997; 121: 395.

Frances, A. Whither DSM-V? *Br. J. Psychiatry* 2009; 195: 391-392.

Franko, DL, Striegel-Moore, RH, Thompson, D, Schreiber, GB, Daniels, SR. Does adolescent depression predict obesity in black and white young adult women? *Psychol. Med.* 2005;35:1505–13.

Frasure-Smith, N, Lesperance, F. Reflections on depression as a cardiac risk factor. *Psychosom. Med.* 2005; 67 Suppl 1:S19 –S25.

Friis, RH, Wittchen, HU, Pfister, H, Lieb, R. Life events and changes in the course of depression in young adults. *Eur. Psychiatry* 2002; 17: 241-253.

G

Gable, SL, Reis, HT, Elliot, AJ. Behavioral activation and inhibition in everyday life. *J. Pers. Soc. Psychol.* 2000; 78: 1135-1149.

Geerts, E, Bouhuys, N. Multi-level prediction of short-term outcome of depression, non-verbal interpersonal processes, cognitions and personality traits. *Psychiatry Res.* 1998; 79: 59-72.

Geisser, ME, Cano, A, Foran, H. Psychometric properties of the mood and anxiety symptom questionnaire in patients with chronic pain. *Clin. J. Pain* 2006; 22: 1-9.

Geschwind, N, Nicolson, NA, Peeters, F, van Os, J, Barge-Schaapveld, D, Wichers, M. Early improvement in positive rather than negative emotion predicts remission from depression after pharmacotherapy. *Eur. Neuropsychopharmacol.* 2011; 21: 241-247.

Gibbons, RD, Clark, DC, VonAmmon, CS, Davis, JM. Application of modern psychometric theory in psychiatric research. *J. Psychiatr. Res.* 1985; 19: 43-55.

Gibbons, RD, Clark, DC, Kupfer, DJ. Exactly what does the Hamilton depression rating scale measure? *J. Psychiatr. Res.* 1993; 27: 259-273.

Goekoop, JG, Knoppert-Van der Klein, EA, Hoeksema, T, Klinkhamer, RA, Van Gaalen, HA, Van der Velde, EA. The interrater reliability of a Dutch version of the Comprehensive Psychopathological Rating Scale. *Acta Psychiatr. Scand.* 1991; 83: 202-205.

Goekoop, JG, de Beurs, E, Zitman, FG. Four-dimensional structure underlying scales for depression anxiety and retardation: emergence of trapped anger and scale improvements. *Compr. Psychiatry* 2007; 48: 192-198.

Goldbacher, EM, Bromberger, J, Matthews, KA. Lifetime history of major depression predicts the development of the metabolic syndrome in middle- aged women. *Psychosom. Med.* 2009;71:266-72.

Goldberg, D. A dimensional model for common mental disorders. *Br. J. Psychiatry* 1996;Suppl:44-9.

Goldberg, D. Plato versus Aristotle: Categorical and dimensional models for common mental disorders. *Compr. Psychiatry* 2000; 41: 8-13.

Goldberg, D. The heterogeneity of "major depression". *World Psychiatry* 2011; 10: 226-228.

Goodyer, I, Kolvin, I, Gatzanis. Recent undesirable life events and psychiatric disorder in childhood and adolescence. *Br. J. Psychiatry* 1985; 147:517-523.

Greaves-Lord, K, Ferdinand, RF, Sondeijker, FE, Dietrich, A, Oldehinkel, AJ, Rosmalen, JG et al. Testing the tripartite model in young adolescents: Is hyperarousal specific for anxiety and not depression? *J. Aff. Disord.* 2007; 102: 55-63.

Grundy, SM, Cleeman, JI, Daniels, SR, Donato, KA, Eckel, RH, Franklin, BA, et al. Diagnosis and management of the metabolic syndrome: an American Heart Association/National Heart, Lung, and Blood Institute Scientific Statement. *Circulation* 2005; 112:2735-52.

Grundy, SM, Vega, GL, Yuan, Z, Battisti, WP, Brady, WE, Palmisano, J. Effectiveness and tolerability of simvastatin plus fenofibrate for combined hyperlipidemia (the SAFARI trial). *Am. J. Cardiol.* 2005; 95:462- 8.

H

Hamilton, SP. Linkage and association studies of anxiety disorders. *Depression and Anxiety* 2009; 26: 976.

Hasin, DS, Goodwin, RD, Stinson, FS, Grant, BF. Epidemiology of major depressive disorder: results from the National Epidemiologic Survey on Alcoholism and Related Conditions. *Arch. Gen. Psychiatry* 2005; 62:1097-1106.

Heim, C, Nemeroff, CB. The role of childhood trauma in the neurobiology of mood and anxiety disorders: preclinical and clinical studies. *Biol. Psychiatry* 2001; 49: 1023-1039.

Heim, C, Ehler, U, Hellhammer, DH. The potential role of hypocortisolism in the pathophysiology of stress-related bodily disorders. *PNEC* 2000; 25: 1-35.

Heiskanen, TH, Niskanen, LK, Hintikka, JJ, Koivumaa-Honkanen, HT, Honkalampi, KM, Haatainen, KM, Viinamaki, HT. Metabolic syndrome and depression: a cross-sectional analysis. *J. Clin. Psychiatry*. 2006; 67: 1422–7.

Helzer, JE, Kraemer, HC, Krueger, RF, Wittchen, HU, Sirovatka, PJ, Regier, DA (2008). Dimensional approaches in diagnostic classification: Refining the research agenda for DSMV. In (Anonymous), American Psychiatric Association: Arlington, VA.

Heninger, GR, Delgado, PL, Charney, DS. The Revised Monoamine Theory of Depression: A Modulatory Role for Monoamines, Based on New Findings From Monoamine Depletion Experiments in Humans. *Pharmacopsychiatry* 1996; 29: 2-11.

Holsboer, F, Gerken, A, Stalla, GK, Muller, OA. ACTH, cortisol, and corticosterone output after ovine corticotropin-releasing factor challenge during depression and after recovery. *Biol Psychiatry* 1985; 20: 276-286.

Holsboer, F, Barden, N. Antidepressants and hypothalamic-pituitary-adrenocortical regulation. *Endocr. Rev.* 1996; 17: 187-205.

Holsboer, F. The corticosteroid receptor hypothesis of depression. *Neuropsychopharmacology* 2000; 23: 477-501.

Holsboer, F, Ising, M. Stress hormone regulation: biological role and translation into therapy. *Annu. Rev. Psychol.* 2010; 61: 81-11.

Hovens, JG, Wiersma, JE, Giltay, EJ, Van Oppen, P, Spinhoven, P, Penninx, BW, et al. Childhood life events and childhood trauma in adult patients with depressive, anxiety and comorbid disorders vs. controls. *Acta Psychiatr. Scand.* 2010; 122: 66-74.

Howren, MB, Lamkin, DM, Suls, J. Associations of depression with C-reactive protein, IL-1, and IL-6: a meta-analysis. *Psychosom. Med.* 2009;71:171– 86.

Hu, FB, Willett, WC. Optimal diets for prevention of coronary heart disease. *JAMA* 2002; 288:2569–78.

Hu, L, Bentler, PM. Cutoff criteria for fit indexes in covariance structure analysis: Conventional criteria versus new alternatives. *Structural Equation Modeling* 1999; 6: 1-55.

Huber, JD. Diabetes, cognitive function, and the blood-brain barrier. *Curr. Pharm. Des.* 2008;14:1594–600.

Huber, TJ, Issa, K, Schik, G, Wolf, OT. The cortisol awakening response is blunted in psychotherapy inpatients suffering from depression. *Psychoneuroendocrinology* 2006; 31: 900-904.

Hybels, CF., Blazer, DG, Pieper, CF. Toward a threshold for subthreshold depression: an analysis of correlates of depression by severity of symptoms using data from an elderly community sample. *Gerontologist* 2001; 41: 357-365.

I

IDS/QIDS. Inventory of depressive symptomatology (IDS) & Quick Inventory of Depressive Symptomatology (QIDS). Available at <http://www.ids-qids.org/index2.html#table3>. Accessed January 5, 2011.

Ierodiakonou, CS, Iacovides, A. Somatic manifestations of depressive patients in different psychiatric settings. *Psychopathology* 1987; 20: 136-43.

Ingram, DG. Is the metabolic syndrome a discrete diagnostic category or the end of a continuum? Taxometric evidence for dimensionality in the National Health and Nutrition Examination Survey 1999-2004. *Ann. Epidemiol.* 2009; 19:143-7.

J

Jacques, HA, Mash, EJ. A test of the tripartite model of anxiety and depression in elementary and high school boys and girls. *J. Abnorm. Child Psychol.* 2004; 32 : 13-25.

Jacobs, N, Myin-Germeys, I, Derom, C, Delespaul, P, van Os, J, Nicolson, NA (2007): A momentary assessment study of the relationship between affective and adrenocortical stress responses in daily life. *Biol. Psychology* 74: 60-66

Jaffee, SR, Price, TS. Gene-environment correlations: a review of the evidence and implications for prevention of mental illness. *Mol. Psychiatry* 2007; 12, 432-442.

Joiner, TE, Catanzaro, S J, Laurent, J. Tripartite structure of positive and negative affect, depression, and anxiety in child and adolescent psychiatric inpatients. *J. Abnorm. Psychol.* 1996; 105: 401-409.

Joiner, TE, Steer, RA, Beck, AT, Schmidt, NB, Rudd, MD, Catanzaro, SJ. Physiological hyperarousal: Construct validity of a central aspect of the tripartite model of depression and anxiety. *J. Abnorm. Psychol.* 1999; 108:, 290-298.

Joiner, TE, Lonigan, CJ. Tripartite model of depression and anxiety in youth psychiatric inpatients: relations with diagnostic status and future symptoms. *J. Clin. Child Psychol.* 2000; 29: 372-382.

Judd, LL, Akiskal, HS, Maser, JD, Zeller, PJ, Endicott, J, Coryell, W et al. A Prospective 12-Year Study of Subsyndromal and Syndromal Depressive Symptoms in Unipolar Major Depressive Disorders. *Arch. Gen. Psychiatry* 1998; 55: 694-700.

K

- Kahn, R, Buse, J, Ferrannini, E, Stern, M. The metabolic syndrome: time for a critical appraisal: joint statement from the American Diabetes Association and the European Association for the Study of Diabetes. *Diabetes Care* 2005;28: 2289–304.
- Karlsson, L, Kiviruusu, O, Miettunen, J, Heila, H, Holi, M, Ruuttu, T, Tuisku, V, Pelkonen, M, Marttunen, M. One-year course and predictors of outcome of adolescent depression, a case-control study in Finland. *J. Clin. Psychiatry* 2008; 69: 844-853.
- Katon, W, Roy-Byrne, PP. Mixed anxiety and depression. *J. Abnorm. Psychol.* 1999; 100: 337-345.
- Kaufman, J. Comorbidity of mood and anxiety disorders. *Depress. Anxiety* 2000; 12: 69.
- Keller, MB, Baker LA. The clinical course of panic disorder and depression. *J. Clin. Psychiatry* 1992; 53 Suppl: 5-8.
- Keller, MB, Hanks DL. Course and outcome in panic disorder. *Prog. Neuropsychopharmacol. Biol. Psychiatry* 1993; 17: 551-570
- Keller, MB. Social anxiety disorder clinical course and outcome: review of Harvard/Brown Anxiety Research Project (HARP) findings. *J. Clin. Psychiatry* 2006; 67 Suppl 12: 14-19.
- Keller, MC, Nesse, RM. Is low mood an adaptation? Evidence for subtypes with symptoms that match precipitants. *J Affect. Disord.* 2005; 86: 27-35.
- Keller, MC, Nesse, RM. The evolutionary significance of depressive symptoms: different adverse situations lead to different depressive symptom patterns. *J Pers. Soc. Psychol.* 2006; 91: 316-330.
- Keller, MC, Neale, MC, Kendler, KS. Association of different adverse life events with distinct patterns of depressive symptoms. *Am. J. Psychiatry* 2007; 164: 1521-1529.
- Kemp, AH, Quintana, DS, Gray, MA, Felmingham, KL, Brown, K, Gatt, JM. Impact of depression and antidepressant treatment on heart rate variability: a review and meta-analysis. *Biol. Psychiatry* 2010; 67: 1067-1074.
- Kendell, RE. Clinical validity. *Psychol. Medicine* 1989; 19: 45.
- Kendell, RE, Jablensky, A. Distinguishing Between the Validity and Utility of Psychiatric Diagnoses. *Am. J. Psychiatry* 2003; 160: 4-12.
- Kendler, KS, Heath, AC, Martin, NG, Eaves, L.J. Symptoms of Anxiety and Symptoms of Depression: Same Genes, Different Environments? *Arch. Gen. Psychiatry* 1987; 44: 451-457.
- Kendler, KS, Neale, MC, Kessler, RC, Heath, AC, Eaves, L J (1992). Major Depression and Generalized Anxiety Disorder: Same Genes, (Partly) Different Environments? *Arch. Gen. Psychiatry* 1992; 49: 716-722.
- Kendler, KS, Kessler, RC, Walters, EE, MacLean, C, Neale, MC, Heath, AC, Eaves, LJ. Stressful life events, genetic liability, and onset of an episode of major depression in women. *Am. J. Psychiatry* 1995; 152: 833-842.
- Kendler, KS. Major depression and generalized anxiety disorder: Same genes,(Partly) different environments-revisited. *Br. J. Psychiatry* 1996; 168: 68.

- Kendler, KS, Karkowski, LM, Prescott, CA. Stressful life events and major depression: risk period, long-term contextual threat, and diagnostic specificity. *J. Nerv. Ment. Dis.* 1998; 186: 661-669.
- Kendler, KS, Gardner, C.O., Prescott, CA. Clinical Characteristics of Major Depression That Predict Risk of Depression in Relatives. *Arch. Gen. Psychiatry* 1999; 56: 322-327.
- Kendler, KS, Thornton, LM, Gardner, CO. Stressful life events and previous episodes in the etiology of major depression in women: an evaluation of the "kindling" hypothesis. *Am. J. Psychiatry* 2000; 157: 1243-1251.
- Kendler, KS. Toward a Philosophical Structure for Psychiatry. *Am. J. Psychiatry* 2005; 162: 433-440.
- Keogh, E, Reidy, J. Exploring the factor structure of the mood and anxiety symptom questionnaire (MASQ). *J. Pers. Assess.* 2000; 74: 106-125.
- Kessler, RC. The effects of stressful life events on depression. *Annu. Rev Psychol.* 1997; 48: 191-214.
- Kessler, RC, Stang, P, Wittchen, HU, Stein, M, Walters, EE. Lifetime co-morbidities between social phobia and mood disorders in the US National Comorbidity Survey. *Psychol. Med.* 1999; 29: 555-567.
- Kessler, RC, Chiu, WT, Demler, O, Merikangas, KR, Walters, EE. Prevalence, severity, and comorbidity of 12-month DSM-IV disorders in the National Comorbidity Survey Replication. *Arch. Gen. Psychiatry* 2005; 62:617–27.
- Kinder, LS, Carnethon, MR, Palaniappan, LP, King, AC, Fortmann, SP. Depression and the metabolic syndrome in young adults: findings from the Third National Health and Nutrition Examination Survey. *Psychosom. Med.* 2004; 66:316 –22.
- Kirsch, I, Deacon, BJ, Huedo-Medina, TB, Scoboria, A, Moore, TJ, Johnson, BT. Initial severity and antidepressant benefits: a meta-analysis of data submitted to the Food and Drug Administration. *PLoS. Med.* 2008; 5: e45.
- Klauke, B, Deckert, J, Reif, A, Pauli, P, Domschke, K. Life events in panic disorder-an update on "candidate stressors". *Depress. Anxiety.* 2010; 27: 716-730.
- Knight, JM, Avery, EF, Janssen, I, Powell, LH. Cortisol and depressive symptoms in a population-based cohort of midlife women. *Psychosom. Med.* 2010; 72: 855-861.
- Koponen, H, Jokelainen, J, Keinanen-Kiukaanniemi, S, Vanhala, M. Depressive symptoms and 10-year risk for cardiovascular morbidity and mortality. *World J. Biol. Psychiatry* 2010; 11:834 –9.
- Kornstein, SG, Schneider, RK. Clinical features of treatment-resistant depression. *J. Clin. Psychiatry* 2001; 62 Suppl 16: 18-25.
- Kotov, R, Ruggero, C.J, Krueger, RF, Watson, D, Yuan, Q, Zimmerman, M. New dimensions in the quantitative classification of mental illness. *Arch. Gen. Psychiatry* 2011; 68: 1003-1011.
- Kraaij, V, Garnefski, N, de Wilde, EJ, Dijkstra, A, Gebhardt, W, Maes, S, et al. Negative Life Events and Depressive Symptoms in Late Adolescence: Bonding and Cognitive Coping as Vulnerability Factors? *J. Youth Adolesc.* 2003; 32: 185-193.
- Krueger, RF. The structure of common mental disorders. *Arch. Gen. Psychiatry* 1999; 56: 921-926.

- Krueger, RF, Finger, MS. Using item response theory to understand comorbidity among anxiety and unipolar mood disorders. *Psychol. Assess.* 2001; 13: 140-151.
- Krueger, RF, Chentsova-Dutton, YE, Markon, KE, Goldberg, D, Ormel, J. A cross-cultural study of the structure of comorbidity among common psychopathological syndromes in the general health care setting. *J Abnorm. Psychol.* 2003; 112: 437-447.
- Kupfer, D, First, M, Regier, D. (2002). Research Agenda for DSM-V . In (Anonymous), American Psychiatric Publishing, inc: Washington, DC.
- L**
- Lai, JC, Evans, PD, Ng, SH, Chong, AM, Siu, OT, Chan CL et al. Optimism, positive affectivity, and salivary cortisol. *Br. J. Health Psychol.* 2005; 10:467-484.
- Lambert, E, Dawood, T, Straznicky, N, Sari, C, Schlaich, M, Esler, M, et al. Association between the sympathetic firing pattern and anxiety level in patients with the metabolic syndrome and elevated blood pressure. *J Hypertens* 2010; 28:543–50.
- Lambert, EA, Lambert, GW. Stress and its role in sympathetic nervous system activation in hypertension and the metabolic syndrome. *Curr. Hypertens. Rep.* 2011; 13: 244-248.
- Lambert, SF, McCreary, BT, Joiner, TE, Schmidt, NB, Ialongo, NS. Structure of anxiety and depression in urban youth: an examination of the tripartite model. *J. Consult Clin. Psychol.* 2004; 72: 904-908.
- Lamers, F, Hoogendoorn, A, Smit, J, van Dyck, R, Zitman, FG, Nolen, WA, et al. Sociodemographic and psychiatric determinants of attrition in the Netherlands Study of Depression and Anxiety (NESDA). *Compr. Psychiatry* 2012; 53:63-70.
- LaMonte, MJ, Barlow, CE, Jurca, R, Kampert, JB, Church, TS, Blair, SN. Cardiorespiratory fitness is inversely associated with the incidence of metabolic syndrome: a prospective study of men and women. *Circulation* 2005; 112:505–12.
- Leue, A. The PANAS structure revisited: On the validity of a bifactor model in community and forensic samples. *Psychol. Assess.* 2011; 23: 215.
- Levinson, DF. The genetics of depression: a review. *Biol. Psychiatry* 2006; 60: 84.
- Lewinsohn, PM, Solomon, A, Seeley, JR, Zeiss, A. Clinical implications of "subthreshold" depressive symptoms. *J Abnorm. Psychol.* 2000; 109, 345-351.
- Lewis, CM, Ng, MY, Butler, AW, Cohen-Woods, S, Uher, R, Pirlo, K et al. Genome-Wide Association Study of Major Recurrent Depression in the U.K. Population. *Am. J. Psychiatry* 2010; 167: 949-957.
- Licht, CM, Vreeburg, SA, Reedt Dortland, AK, Giltay, EJ, Hoogendijk, WJ, de Rijk et al. Increased sympathetic and decreased parasympathetic activity rather than changes in hypothalamic-pituitary-adrenal axis activity is associated with metabolic abnormalities. *J. Clin. Endocrinol. Metab.* 2010; 95:2458–66.
- Licht, CM, de Geus, E J, Zitman, FG, Hoogendijk, WJ, van Dyck, R, Penninx, BW. Association between major depressive disorder and heart rate variability in the Netherlands Study of Depression and Anxiety (NESDA). *Arch. Gen. Psychiatry* 2008; 65: 1358-1367.

- Liebowitz, MR, Quitkin, FM, Stewart, JW, McGrath, PJ, Harrison, WM, Markowitz, JS et al. Antidepressant specificity in atypical depression. *Arch. Gen. Psychiatry* 1988; 45: 129-137.
- Liu, Y, Blackwood, DH, Caesar, S, de Geus, EJC, Farmer, A, Ferreira, MA et al. Meta-analysis of genome-wide association data of bipolar disorder and major depressive disorder. *Mol. Psychiatry* 2011; 16: 2-4.
- Lonigan, CJ, Phillips, BM, Hooe, ES. Relations of positive and negative affectivity to anxiety and depression in children, evidence from a latent variable longitudinal study. *J. Consult. Clin. Psychol.* 2003; 71, 465-481.
- Lteif, GN, Mavissakalian, MR. Life events and panic disorder/ agoraphobia. *Compr. Psychiatry* 2003; 36: 118-122.
- Luppino, FS, van Reedt Dortland, AK, Wardenaar, KJ, Bouvy, PF, Giltay, EJ, Zitman, FG, et al. Symptom dimensions of depression and anxiety and the metabolic syndrome. *Psychosom. Med.* 2011; 73: 257-264.
- Lux, V, Kendler, KS. Deconstructing major depression: a validation study of the DSM-IV diagnostic criteria. *Psychol. Med.* 2010; 40:1679–1690.
- Lyketsos, CG, Nestadt, G, Cwi, J, et al. The Life Chart Interview - A Standardized Method to Describe the Course of Psychopathology. *Int. J. Methods Psychiatr. Res.* 1994; 4: 143-155
- Lyness, JM, Kim, J, Tang, W, Tu, X, Conwell, Y, King, DA et al. The clinical significance of subsyndromal depression in older primary care patients. *Am. J. Geriatr. Psychiatry* 2007; 15: 214-223.

M

- MacCallum, RC, Zhang, S, Preacher, KJ, Rucker, DD. On the practice of dichotomization of quantitative variables. *Psychol. Methods* 2002; 7: 19–40.
- Maes, M, Calabrese, J, Meltzer, HY. The relevance of the in- versus outpatient status for studies on HPA-axis in depression: spontaneous hypercortisolism is a feature of major depressed inpatients and not of major depression per se. *Prog. Neuropsychopharmacol. Biol. Psychiatry* 1994; 18: 503-517.
- Marshall, GN, Sherbourne, CD, Meredith, LS, Camp, P, Hays, RD. The tripartite model of anxiety and depression: symptom structure in depressive and hypertensive patient groups. *J. Pers. Assess.* 2003; 80: 139-153.
- Martin, JK, Blum, TC, Beach, SR, Roman, PM. Subclinical depression and performance at work. *Soc. Psychiatry Psychiatr. Epidemiol.* 1996; 31: 3-9.
- Mast, BT, Miles, T, Penninx, BW, Yaffe, K, Rosano, C, Satterfield, S, Ayonayon, HN, Harris, T, Simonsick, EM. Vascular disease and future risk of depressive symptomatology in older adults: findings from the health, aging, and body composition study. *Biol Psychiatry* 2008;64:320–6.
- McGorry, PD. Issues for DSM-V: Clinical Staging: A Heuristic Pathway to Valid Nosology and Safer, More Effective Treatment in Psychiatry. *Am. J. Psychiatry* 2007; 164: 859-860.

McGorry, PD, Hickie, IB, Yung, AR, Pantelis, C, Jackson, HJ. Clinical staging of psychiatric disorders: a heuristic framework for choosing earlier, safer and more effective interventions. *Aust. N. Z. J Psychiatry* 2006; 40: 616-622.

Meinlschmidt, G, Heim, C. Decreased cortisol awakening response after early loss experience. *PNEC*, 2005; 30: 568-576.

Merikangas, KR, Zhang, H, Avenevoli, S, et al. Longitudinal trajectories of depression and anxiety in a prospective community study: the Zurich Cohort Study. *Arch Gen Psychiatry* 2003; 60: 993-1000

Mineka, S, Watson, D, Clark, LA. Comorbidity of anxiety and unipolar mood disorders. *Annu. Rev. Psychol.* 1998; 49, 377-412.

Muglia, P, Tozzi, F, Galwey, NW, Francks, C, Upmanyu, R, Kong, XQ et al. Genome-wide association study of recurrent major depressive disorder in two European case-control cohorts. *Mol. Psychiatry* 2010; 15: 589-601.

Mundt, C, Reck, C, Backenstrass, M, Kronmüller, K, Fiedler, P. Reconfirming the role of life events for the timing of depressive episodes: A two-year prospective follow-up study. *J. Aff. Disord.* 2000; 59: 23-30.

Murphy, FC. Functional neuroanatomy of emotions: a meta-analysis. *Cogn. Affect. Beh. neuroscience* 2003; 3: 207.

Murray, CJ (1996). The global burden of disease: a comprehensive assessment of mortality and disability from diseases, injuries and risk factors in 1990 and projected to 2020. In (Anonymous), Harvard School of Public Health on behalf of the World Health Organization and the World Bank: Cambridge, MA.

Musselman, DL. The relationship of depression to cardiovascular disease: epidemiology, biology, and treatment. *Arch. Gen. Psychiatry* 1998; 55: 580.

N

Nolen, WN, Dingemans, PM. Instruments for measuring mood disorders. *Tijdschrift voor Psychiatrie* 2004; 46: 681-686.

Nunnally, JC, Bernstein I (1994). *Psychometric Theory*, McGraw Hill, New York.

Nutt, D, Demyttenaere, K, Janka, Z, Aarre, T, Bourin, M, Canonico, PL, Carrasco, JL et al. The other face of depression, reduced positive affect: the role of catecholamines in causation and cure. *J. Psychopharmacol.* 2007; 21: 461-471.

O

Oldehinkel, AJ, van den Berg, MD, Flentge, F, Bouhuys, AL, ter Horst, GJ, Ormel, J. Urinary free cortisol excretion in elderly persons with minor and major depression. *Psychiatry Res.* 2001; 104: 39-47.

Ormel, J, Oldehinkel, T, Brilman, E, et al. Outcome of Depression and Anxiety in Primary-Care - A 3-Wave 3 1/2-Year Study of Psychopathology and Disability. *Arch. Gen. Psychiatry* 1993;50: 759-766.

Ormel, J, Petukhova, M, Chatterji, S, Aguilar-Gaxiola, S, Alonso, J, Angermeyer, MC et al. Disability and treatment of specific mental and physical disorders across the world. *Br. J. Psychiatry* 2008; 192: 368-375.

Ormel, J, de Jonge P. Unipolar depression and the progression of coronary artery disease: toward an integrative model. *Psychother. Psychosom.* 2011; 80: 264-274.

P

Parker, G, Roy, K, Mitchell, P, Wilhelm, K, Malhi, G, Hadzi-Pavlovic, D. Atypical Depression: A Reappraisal. *Am. J. Psychiatry* 2002; 159: 1470-1479.

Patten, SB, Wang, JL, Williams, JV, Lavorato, DH, Khaled, SM, Bulloch, AG. Predictors of the longitudinal course of major depression in a Canadian population sample. *Can. J. Psychiatry* 2010; 55: 669-676.

Patton, GC, Coffey, C, Posterino, M, Carlin, JB, Bowes, G. Life events and early onset depression: cause or consequence? *Psychol. Med.* 2003; 33: 1203-1210.

Paykel, ES. Life events, social support and depression. *Acta Psychiatr. Scand.* 1994; 89: 50.

Peeters, F, Nicolson, NA, Berkhof, J, Delespaul, P, deVries, M. Effects of daily events on mood states in major depressive disorder. *J. Abnorm. Psychol.* 2003; 112: 203-211.

Penninx, BW, Beekman, AT, Honig, A, Deeg, DJ, Schoevers, RA, van Eijk, JT, et al. Depression and cardiac mortality: results from a community-based longitudinal study. *Arch. Gen. Psychiatry* 2001;58: 221-7.

Penninx, BW, Beekman, AT, Bandinelli, S, Corsi, AM, Bremmer, M, Hoogendijk, WJ, et al. Late-life depressive symptoms are associated with both hyperactivity and hypoactivity of the hypothalamo-pituitary-adrenal axis. *Am. J. Geriatr. Psychiatry* 2007; 15: 522-529.

Penninx, BW, Beekman, AT, Smit, JH, Zitman, FG, Nolen, WA, Spinhoven, P, et al. The Netherlands Study of Depression and Anxiety (NESDA): rationale, objectives and methods. *Int. J. Methods Psychiatr. Res.* 2008; 17: 121-40.

Penninx, BW, Nolen, WA, Lamers, F, Zitman, FG, Smit, JH, Spinhoven, P, et al. Two-year course of depressive and anxiety disorders, Results from the Netherlands Study of Depression and Anxiety (NESDA). *J. Affect. Disord.* 2011; 133: 76-85.

Piccinelli, M, Wilkinson, G. Outcome of depression in psychiatric settings. *Br. J. Psychiatry* 1994; 164: 297-304.

Pollack, MH, Otto, MW. Long-term course and outcome of panic disorder. *J. Clin. Psychiatry* 1997; 58 Suppl 2: 57-60.

Polk, DE, Cohen, S, Doyle, WJ, Skoner, DP, Kirschbaum, C. State and trait affect as predictors of salivary cortisol in healthy adults. *Psychoneuroendocrinology* 2005; 30: 261-272.

- Posener, JA, DeBattista, C, Williams, GH, Schatzberg, AF. Cortisol Feedback During the HPA Quiescent Period in Patients With Major Depression. *Am. J. Psychiatry* 2001; 158: 2083-2085.
- Pruessner M, Hellhammer DH, Pruessner JC, Lupien SJ. Self-reported depressive symptoms and stress levels in healthy young men: associations with the cortisol response to awakening. *Psychosom. Med.* 2003; 65: 92-99.
- Pruessner, JC, Kirschbaum, C, Meinlschmid, G, Hellhammer, DH. Two formulas for computation of the area under the curve represent measures of total hormone concentration versus time-dependent change. *Psychoneuroendocrinology* 2003; 28: 916-931.

Q-R

- Rao, UM, Hammen, CO, Daley, SE. Continuity of Depression During the Transition to Adulthood: A 5-Year Longitudinal Study of Young Women. *J. Am. Acad. Child Adol. Psychiatry* 1999; 38: 908-915.
- Reaven GM. The metabolic syndrome: requiescat in pace. *Clin. Chem.* 2005; 51:931-938.
- Reedt Dortland AK, Giltay EJ, van Veen T, Zitman FG, Penninx BW. Metabolic syndrome abnormalities are associated with severity of anxiety and depression and with tricyclic antidepressant use. *Acta Psychiatr. Scand.* 2010; 122:30-39.
- Reich, JW, Zautra, A. Life events and personal causation: Some relationships with satisfaction and distress. *J. Pers. Soc. Psychol.* 1981; 41: 1002-1012.
- Reidy, J, Keogh, E. Testing the discriminant and convergent validity of the mood and anxiety symptoms questionnaire using a British sample. *Pers. Ind. Diff.* 1997; 23: 337-344.
- Risch, N, Herrell, R, Lehner, T, Liang, KY, Eaves, L, Hoh, J et al. Interaction Between the Serotonin Transporter Gene (5-HTTLPR), Stressful Life Events, and Risk of Depression. *JAMA* 2009; 301: 2462-2471.
- Roy-Byrne, PP, Geraci, M, Uhde, TW. Life events and the onset of panic disorder. *Am. J. Psychiatry* 1986; 143: 1424-1427.
- Roy-Byrne, PP, Stang, P, Wittchen, HU, Ustun, B, Walters, E, Kessler, RC. Lifetime panic-depression comorbidity in the National Comorbidity Survey: Association with symptoms, impairment, course and help-seeking. *Br. J. Psychiatry* 2000; 176: 229-235.
- Royston, P. Dichotomizing continuous predictors in multiple regression: a bad idea. *Statistics in medicine* 2005; 25: 127-141.
- Ruscio, J. Informing the continuity controversy: A taxometric analysis of depression. *J. Abnorm. Psychol.* 2000; 109: 473.
- Rush, AJ, Giles, DE, Schlessner, MA, Fulton, CL, Weissenburger, J, Burns, C. The Inventory for Depressive Symptomatology (IDS): preliminary findings. *Psychiatry Res.* 1986; 18: 65-87.
- Rush AJ, Gullion CM, Basco MR, et al. The Inventory of Depressive Symptomatology (IDS): psychometric properties. *Psychol. Med.* 1996; 26: 477-486.
- Rush, AJ, Trivedi, MH, Ibrahim, HM, Carmody, TJ, Arnow, B, Klein, DN et al. The 16-Item Quick Inventory of Depressive Symptomatology (QIDS), clinician rating (QIDS-C), and self-report (QIDS-

SR): a psychometric evaluation in patients with chronic major depression. *Biol. Psychiatry* 2003; 54: 573-583.

S

Santor, DA, Debrota, D, Engelhardt, N, Gelwicks, S. Optimizing the ability of the Hamilton Depression Rating Scale to discriminate across levels of severity and between antidepressants and placebos. *Depress. Anxiety* 2008; 25: 774-786.

Satorra, A, Bentler, PM (1988). Scaling Corrections for Chi-square Statistics in Covariance Structure Analysis. *Proceedings of the Business and Economic Statistics Section. American Statistical Association, Alexandria, VA.*

Saunders, JB, Aasland, OG, Babor, TF, De La Fuente, JR, Grant, M. Development of the Alcohol Use Disorders Identification Test (AUDIT): WHO Collaborative Project on Early Detection of Persons with Harmful Alcohol Consumption--II. *Addiction* 1993; 88:791-804.

Savin, NE, White, KJ. Durbin-Watson Test for Serial-Correlation with Extreme Sample Sizes Or Many Regressors. *Econometrica* 1977; 45:1989-1996.

Schreiber, W, Lauer, CJ, Krumrey, K, Holsboer, F, Krieg, JC. Dysregulation of the hypothalamic-pituitary-adrenocortical system in panic disorder. *Neuropsychopharmacology* 1996; 15: 7-15.

Shafer, AB. Meta-analysis of the factor structures of four depression questionnaires: Beck, CES-D, Hamilton, and Zung. *J. Clin. Psychol.* 2006; 62: 123-146.

Shankman SA, Klein DN. The impact of comorbid anxiety disorders on the course of dysthymic disorder: a 5-year prospective longitudinal study. *J. Affect. Disord.* 2002; 70: 211-217.

Shankman SA, Klein DN. The relation between depression and anxiety: an evaluation of the tripartite, approach-withdrawal and valence-arousal models. *Clin. Psychol. Rev.* 2003; 23: 605-637.

Sheehan, DV, Lecrubier, Y, Sheehan, KH, Amorim, P, Janavs, J, Weiller, E, et al. The Mini-International Neuropsychiatric Interview (M.I.N.I.): the development and validation of a structured diagnostic psychiatric interview for DSM-IV and ICD-10. *J. Clin. Psychiatry* 1998; 59 (Supplement 20): 22-33.

SHEP Cooperative Research Group. Prevention of stroke by antihypertensive drug treatment in older persons with isolated systolic hypertension. Final results of the Systolic Hypertension in the Elderly Program (SHEP). SHEP Cooperative Research Group. *JAMA* 1991; 265:3255-3264.

Shibao C, Gamboa A, Diedrich A, Ertl AC, Chen KY, Byrne DW et al. Autonomic contribution to blood pressure and metabolism in obesity. *Hypertension* 2007; 49:27-33.

Shorter, E, Tyrer, P. Separation of anxiety and depressive disorders: blind alley in psychopharmacology and classification of disease. *BMJ* 2003; 327, 158-160.

Simms, LJ, Gros, DF, Watson, D, O'Hara, MW. Parsing the general and specific components of depression and anxiety with bifactor modeling. *Depress. Anxiety.* 2008; 25: E34-E46.

Simms, LJ, Prisciandaro, JJ, Krueger, RF, Goldberg, DP. The structure of depression, anxiety and somatic symptoms in primary care. *Psychol. Med.* 2012; 42: 15-28.

- Skilton MR, Moulin P, Terra JL, Bonnet F. Associations between anxiety, depression, and the metabolic syndrome. *Biol. Psychiatry* 2007; 62: 1251–7.
- Smith, E (2004). *Introduction to Rasch Measurement: Theory, Models and Applications*. JAM press, Maple Grove, MN.
- Smith, GT, McCarthy, DM, Anderson, KG. On the sins of short-form development. *Psychol. Assess.* 2000; 12: 102-111.
- Smyth J, Ockenfels MC, Porter L, Kirschbaum C, Hellhammer DH, Stone AA (1998): stressors and mood measured on a momentary basis are associated with salivary cortisol secretion. *Psychoneuroendocrinology* 23: 353-370.
- Sobocki, P, Jonsson, B, Angst, J, Rehnberg, C. Cost of depression in Europe. *J Ment. Health Policy Econ.* 2006; 9: 87-98.
- Sotsky, SM, Glass, DR, Shea, MT, Pilkonis, PA, Collins, JF, Elkin, I, et al. Patient predictors of response to psychotherapy and pharmacotherapy, findings in the NIMH Treatment of Depression Collaborative Research Program. *Am. J. Psychiatry* 1991; 148: 997-1008.
- Spijker, J, De Graaf, R, Bijl, RV, Beekman, AT, Ormel, J, Nolen, WA. Duration of major depressive episodes in the general population: results from The Netherlands Mental Health Survey and Incidence Study (NEMESIS). *Br. J. Psychiatry* 2002; 181, 208-213.
- Spinhoven, P, Elzinga, BM, Hovens, JG, Roelofs, K, Zitman, FG, Van Oppen, P et al. The specificity of childhood adversities and negative life events across the life span to anxiety and depressive disorders. *J. Affect. Disord.* 2010; 126: 103-112.
- Stansbury, JP, Ried, LD, Velozo, CA. Unidimensionality and bandwidth in the Center for Epidemiologic Studies Depression (CES-D) Scale. *J. Pers. Assess.* 2006; 86: 10-22.
- Steffens DC, Krishnan KR, Crump C, Burke GL. Cerebrovascular disease and evolution of depressive symptoms in the cardiovascular health study. *Stroke* 2002; 33:1636–44.
- Stephoe, A, O'Donnell, K, Badrick, E, Kumari, M, Marmot, M. Neuroendocrine and Inflammatory Factors Associated with Positive Affect in Healthy Men and Women: The Whitehall II Study. *Am. J. Epidemiol.* 2008; 167:96-102.
- Stetler, C, Miller, GE. Blunted cortisol response to awakening in mild to moderate depression: regulatory influences of sleep patterns and social contacts. *J. Abnorm. Psychol.* 2005; 114: 697-705.
- Stewart, JW, McGrath, PJ, Quitkin, FM, Klein, DF. Atypical depression: current status and relevance to melancholia. *Acta Psychiatr. Scand.* 2007; Suppl: 58-71.
- Strickland, PL, Deakin, JF, Percival, C, Dixon, J, Gater, RA, Goldberg, DP. Bio-social origins of depression in the community. Interactions between social adversity, cortisol and serotonin neurotransmission. *Br. J. Psychiatry* 2002; 180: 168-173.
- Suh, E, Diener, E, Fujita, F. Events and subjective well-being: Only recent events matter. *J. Pers. Soc. Psychol.* 1996; 70(5): 1091-1102
- Sullivan, PF, de Geus, EJ, Willemsen, G, James, MR, Smit, JH, Zandbelt, T. et al. Genome-wide association for major depressive disorder: a possible role for the presynaptic protein piccolo. *Mol. Psychiatry* 2008; 14: 359-375.

Suls, J. (1998). Emotional reactivity to everyday problems, affective inertia, and neuroticism. *Pers. & soc. Psychol. Bull.* 1998; 24: 127.

T

Tannen RL, Weiner MG, Marcus SM. Simulation of the Syst-Eur randomized control trial using a primary care electronic medical record was feasible. *J Clin Epidemiol* 2006;59:254–64.

Tellegen, A, Watson, D, Clark, LA. On the dimensional and hierarchical structure of affect. *Psychol. Science* 1999; 10, 297-303.

Terluin, B, van Marwijk, HW, Ader, HJ, de Vet, HC, Penninx, BW, Hermens, ML et al. The Four-Dimensional Symptom Questionnaire (4DSQ): a validation study of a multidimensional self-report questionnaire to assess distress, depression, anxiety and somatization. *BMC Psychiatry* 2006; 6, 34.

Tiemens, BG, Ormel, J, Simon, GE. Occurrence, recognition, and outcome of psychological disorders in primary care. *Am. J. Psychiatry* 1996; 153: 636-644.

Tiet, QQ, Bird, HR, Hoven, CW, Moore, R, Wu, P, Wicks, J, et al. Relationship between specific adverse life events and psychiatric disorders. *J. Abnorm. Child Psychol.* 2001; 29: 153-164.

Toker, S, Shirom, A, Melamed, S. Depression and the metabolic syndrome: gender-dependent associations. *Depress Anxiety* 2008; 25:661–9.

Trivedi, MH, Rush, AJ, Ibrahim, HM, Carmody, TJ, Biggs, MM, Suppes, T, et al. The Inventory of Depressive Symptomatology, Clinician Rating (IDS-C) and Self-Report (IDS-SR), and the Quick Inventory of Depressive Symptomatology, Clinician Rating (QIDS-C) and Self-Report (QIDS-SR) in public sector patients with mood disorders: a psychometric evaluation. *Psychol. Med.* 2004; 34: 73-82.

U-V

van Aken, MO, Romijn, JA, Miltenburg, JA, Lentjes, EG. Automated measurement of salivary cortisol. *Clin. Chem.* 2003; 49:1408-1409.

Van Ameringen, M, Mancini, C, Styan, G, Donison, D. Relationship of social phobia with other psychiatric illness. *J. Affect. Disord* 1991; 21: 93-99.

Van Beljouw, IM, Verhaak, PF, Cuijpers, P., van Marwijk, HW, Penninx, BW. The course of untreated anxiety and depression, and determinants of poor one-year outcome, a one-year cohort study. *BMC Psychiatry* 2010; 10: 86.

van Eck M, Berkhof H, Nicolson N, Sulon J (1996): The effects of perceived stress, traits, mood states, and stressful daily events on salivary cortisol. *Psychosom. Med.* 58: 447-458.

van Eck, M. Effects of stressful daily events on mood states: Relationship to global perceived stress. *J. Pers. Soc. Psychol.* 1998; 75: 1572.

van Os, J. Strauss (1969) revisited: a psychosis continuum in the general population? *Schizophrenia Res.* 2000; 45: 11.

van Reedt Dortland, AK, Giltay, EJ, van Veen, T, van Pelt, J, Zitman, FG, Penninx, BW. Associations between serum lipids and major depressive disorder: results from the Netherlands Study of Depression and Anxiety (NESDA). *J. Clin. Psychiatry* 2010; 71: 729-736.

van Reedt Dortland, AK, Giltay, EJ, van Veen, T, Zitman, FG, Penninx, BW. Metabolic syndrome abnormalities are associated with severity of anxiety and depression and with tricyclic antidepressant use. *Acta Psychiatr. Scand.* 2010; 122: 30-39.

Van Vliet, IM, de Beurs, E. Het Mini Internationaal Neuropsychiatrisch Interview (MINI) Een kort gestructureerd diagnostisch psychiatrisch interview voor DSM-IV- en ICD-10-stoornissen (The MINI-International Neuropsychiatric Interview. A brief structured diagnostic psychiatric interview for DSM-IV en ICD-10 psychiatric disorders) *Tijdschrift voor Psychiatrie* 2007; 49: 393-397.

Veen G, van Vliet IM, Derijk RH, Giltay EJ, van Pelt J, Zitman FG. Basal cortisol levels in relation to dimensions and DSM-IV categories of depression and anxiety. *Psychiatry Res.* 2011; 185:121– 8.

Vickers, A. How many repeated measures in repeated measures designs? Statistical issues for comparative trials. *BMC Med. Res. Methodol.* 2003; 3: 22.

Vogelzangs N, Suthers K, Ferrucci L, Simonsick EM, Ble A, Schragger M, et al. Hypercortisolemic depression is associated with the metabolic syndrome in late-life. *PNEC* 2007; 32:151–9.

Vogelzangs N, Beekman AT, Dik MG, Bremmer MA, ComijsHC, Hoogendijk WJ et al. Late-life depression, cortisol, and the metabolic syndrome. *Am. J. Geriatr. Psychiatry* 2009; 17:716 –21.

Vogelzangs, N, Seldenrijk, A, Beekman, AT, van Hout, HP, de Jonge, P, Penninx, BW. Cardiovascular disease in persons with depressive and anxiety disorders. *J Affect. Disord.* 2010; 125:241-248.

Vogelzangs, N, Beekman, AT, Boelhouwer, IG, Bandinelli, S, Milaneschi, Y, Ferrucci, L, et al. Metabolic depression: a chronic depressive subtype? Findings from the InCHIANTI study of older persons. *J. Clin. Psychiatry* 2011; 72:598-604.

Vreeburg SA, Hoogendijk WJ, van Pelt J, de Rijk RH, Verhagen JC, van Dyck R, Smit JH, Zitman FG, Penninx BW. Major depressive disorder and hypothalamic-pituitary-adrenal axis activity: results from a large cohort study. *Arch Gen Psychiatry* 2009a; 66:617–26.

Vreeburg SA, Kruijtzter BP, van Pelt J, Van Dyck R, Derijk RH, Hoogendijk WJ et al. Associations between sociodemographic, sampling and health factors and various salivary cortisol indicators in a large sample without psychopathology. *Psychoneuroendocrinology* 2009b; 34: 1109-1120.

Vreeburg SA, Zitman FG, van Pelt J, Derijk RH, Verhagen JC, Van Dyck R et al (2010): Salivary Cortisol Levels in Persons With and Without Different Anxiety Disorders. *Psychosom Med*: 72: 340-347.

W

Wardenaar KJ, van Veen T, Giltay EJ, Hollander-Gijsman M, Penninx BW, Zitman FG. The structure and dimensionality of the Inventory of Depressive Symptomatology Self Report (IDS-SR) in patients with depressive disorders and healthy controls. *J. Affect. Disord.* 2010; 125:146–54.

- Wardenaar, KJ, van Veen, T, Giltay, EJ, de Beurs, E, Penninx, BW, Zitman, FG. Development and validation of a 30-item short adaptation of the Mood and Anxiety Symptoms Questionnaire (MASQ). *Psychiatry Res.* 2010; 179:101-106.
- Wardenaar, KJ, Vreeburg, SA, van Veen, T, Giltay, EJ, Veen, G, Penninx, BW, Zitman, FG. Dimensions of depression and anxiety and the hypothalamo-pituitary-adrenal axis. *Biol. Psychiatry* 2011; 69:366-373.
- Wardenaar, KJ, Giltay, EJ, van Veen, T, Zitman, FG, Penninx, BW. Symptom dimensions as predictors of the two-year course of depressive and anxiety disorders. *J. Affect. Disord.* 2011; 136: 1198-1203
- Watson, D. Negative affectivity: The disposition to experience aversive emotional states. *Psychol. Bull.* 1984; 96:465.
- Watson, D. Positive and negative affectivity and their relation to anxiety and depressive disorders. *J. Abnorm. Psychol.* 1988; 97:346.
- Watson, D, Weber, K, Assenheimer, JS, Clark, LA, Strauss, ME, McCormick, RA. Testing a tripartite model: I. Evaluating the convergent and discriminant validity of anxiety and depression symptom scales. *J. Abnorm. Psychol.* 1995a; 104: 3-14.
- Watson D, Clark LA, Weber K, Assenheimer JS, Strauss ME, McCormick RA. Testing a tripartite model: II. Exploring the symptom structure of anxiety and depression in student, adult, and patient samples. *J. Abnorm. Psychol.* 1995b; 104:15–25.
- Watson D. Rethinking the mood and anxiety disorders: a quantitative hierarchical model for DSM-V. *J Abnorm Psychol* 2005; 114: 522-536
- Watson, D, Gamez, W, Simms, L. Basic dimensions of temperament and their relation to anxiety and depression: A symptom-based perspective. *J. Res. Pers.* 2005; 39: 46-66.
- Watson, D, O'Hara, MW, Chmielewski, M, McDade-Montez, EA, Koffel, E, Naragon, K. et al. (2008). Further validation of the IDAS: evidence of convergent, discriminant, criterion, and incremental validity. *Psychol. Assess.* 2008; 20:248-259.
- Wells, K, Sherbourne, C, Duan, N, Unutzer, J, Miranda, J, Schoenbaum, M et al. Quality improvement for depression in primary care: do patients with subthreshold depression benefit in the long run? *Am. J. Psychiatry* 2005; 162:1149-1157.
- WHO Collaborating Centre for Drug Statistics Methodology. Anatomical Therapeutic Chemical (ATC) classification. WHO 2009.
- Wichers, M, Myin-Germeys, I, Jacobs, N, Peeters, F., Kenis, G., Derom, C, et al. Genetic risk of depression and stress-induced negative affect in daily life. *Br. J Psychiatry* 2007; 191:218-223.
- Wichers, MC, Barge-Schaapveld, DQ, Nicolson, NA, Peeters, et al. Reduced stress-sensitivity or increased reward experience: the psychological mechanism of response to antidepressant medication. *Neuropsychopharmacology* 2009; 34:923-931.
- Wichers, M, Geschwind, N, Jacobs, N, Kenis, G, Peeters, F, Derom, C et al. Transition from stress sensitivity to a depressive state: longitudinal twin study. *Br. J. Psychiatry* 2009; 195:498-503.
- Wichers, M, Peeters, F, Geschwind, N, Jacobs, N, Simons, C J, Derom, C. et al. Unveiling patterns of affective responses in daily life may improve outcome prediction in depression: A momentary assessment study. *J. Aff. Disord.* 2010; 124:191-195.

- Widiger, TA, Clark, LA. Toward DSM-V and the classification of psychopathology. *Psychol. Bull.* 2000; 126: 946-963.
- Widiger, TA, Samuel, DB. Diagnostic categories or dimensions? A question for the Diagnostic And Statistical Manual Of Mental Disorders--fifth edition. *J. Abnorm. Psychol.* 2005; 114: 494-504.
- Wiersma, JE, Hovens, JG, Van Oppen, P, Giltay, EJ, Van Schaik, DJ, Beekman, AT et al. The importance of childhood trauma and childhood life events for chronicity of depression in adults. *J Clin. Psychiatry* 2009; 70:983-989.
- Willemse, GR, Smit, F, Cuijpers, P, Tiemens, BG. Minimal-contact psychotherapy for sub-threshold depression in primary care. Randomised trial. *Br. J Psychiatry* 2004; 185: 416-421.
- Wing, L. (2011). The autistic continuum. In L. Wing (Ed.), *Aspects of autism: Biological research*. In (Anonymous), Gaskell/Royal College of Psychiatrists: London.
- World Health Organization (2004). The global burden of disease. 2004 update. In (Anonymous), WHO: Geneva, Switzerland.
- Wray, NR, Pergadia, ML, Blackwood, DH, Penninx, BW, Gordon, SD, Nyholt, DR et al. Genome-wide association study of major depressive disorder: new results, meta-analysis, and lessons learned. *Mol Psychiatry* 2010; 1:1-13.
- Wright, BD, Stone, MH (1979). *Best Test Design: Rasch Measurement*. MESA press, Chicago, IL.
- Wright, BD, Masters, GN (1982). *Rating Scale Analysis. Rasch Measurement*. In (Anonymous), META press: Chicago, IL.

X-Y-Z

- Zautra, AJ, Reich, JW. Life events and perceptions of life quality: Developments in a two-factor approach. *J. Community Psychol.* 1983; 11:121-132.
- Zinbarg, RE, Barlow, DH. Structure of anxiety and the anxiety disorders: a hierarchical model. *J Abnorm. Psychol.* 1996; 105:181-193.
- Zinbarg, RE, Barlow, DH, Liebowitz, M, Street, L, Broadhead, E, Katon, W et al. The DSM-IV field trial for mixed anxiety-depression. *Am. J. Psychiatry* 1994; 151: 1153-1162.

