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Mood and the pill

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Citation

Hamstra, D. A. (2021, September 30). *Mood and the pill*. Retrieved from <https://hdl.handle.net/1887/3214259>

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Chapter 9

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References

A

- Aalto, A. M., Elovainio, M., Kivimäki, M., Uutela, A., & Pirkola, S. (2012). The Beck Depression Inventory and General Health Questionnaire as measures of depression in the general population: a validation study using the Composite International Diagnostic Interview as the gold standard. *Psychiatry research*, 197(1-2), 163-171.
- Aas, M., Pedersen, G., Henry, C., Bjella, T., Bellivier, F., Leboyer, M., ... & Lagerberg, T. V. (2015). Psychometric properties of the Affective Lability Scale (54 and 18-item version) in patients with bipolar disorder, first-degree relatives, and healthy controls. *Journal of affective disorders*, 172, 375-380.
- Adair, J. G. (1984). The Hawthorne effect: a reconsideration of the methodological artifact. *Journal of applied psychology*, 69(2), 334.
- Adams, T., Pounder, Z., Preston, S., Hanson, A., Gallagher, P., Harmer, C. J., & McAllister-Williams, R. H. (2016). Test-retest reliability and task order effects of emotional cognitive tests in healthy subjects. *Cognition and emotion*, 30(7), 1247-1259.
- Aiken, L & West, S. (1991). *Multiple regression: testing and interpreting interactions*. Sage Publications.
- Akyürek, E. G., Eshuis, S. A., Nieuwenstein, M. R., Saija, J. D., Başkent, D., & Hommel, B. (2012). Temporal target integration underlies performance at lag 1 in the attentional blink. *Journal of Experimental psychology: human perception and performance*, 38(6), 1448.
- Albert, K., Pruessner, J., & Newhouse, P. (2015). Estradiol levels modulate brain activity and negative responses to psychosocial stress across the menstrual cycle. *Psychoneuroendocrinology*, 59, 14-24.
- Aleknavičiute, J., Tulen, J. H., De Rijke, Y. B., Bouwkamp, C. G., Van der Kroeg, M., Timmermans, M., ... & van Rossum, E. F. (2017). The levonorgestrel-releasing intrauterine device potentiates stress reactivity. *Psychoneuroendocrinology*, 80, 39-45.
- Alexander, G. M., Sherwin, B. B., Bancroft, J., & Davidson, D. W. (1990). Testosterone and sexual behavior in oral contraceptive users and nonusers: A prospective study. *Hormones and behavior*, 24(3), 388-402.
- American Psychiatric Association, & Nederlandse Vereniging voor Psychiatrie. (2014). Hengeveld, M.W. (ed.). *Handboek voor de classificatie van psychische stoornissen: DSM-5™*. Vijfde oplage. Amsterdam: Uitgeverij Boom.
- Anderson, N. H. (1968). Likableness ratings of 555 personality-trait words. *Journal of personality and social psychology*, 9(3), 272.
- Angelidis, A., Hagens, M., van Son, D., van der Does, W., & Putman, P. (2018). Do not look away! Spontaneous frontal EEG theta/beta ratio as a marker for cognitive control over attention to mild and high threat. *Biological psychology*, 135, 8-17.
- Angelidis, A., van der Does, W., Schakel, L., & Putman, P. (2016). Frontal EEG theta/beta ratio as an electrophysiological marker for attentional control and its test-retest reliability. *Biological psychology*, 121, 49-52.
- Antypa, N. (2011). *Cognitive vulnerability to depression: genetic and environmental influences*. (Doctoral dissertation, Faculty of Social and Behavioural Sciences, Leiden University, The Netherlands).
- Arnsten, A. F., & Rubia, K. (2012). Neurobiological circuits regulating attention, cognitive control, motivation, and emotion: disruptions in neurodevelopmental psychiatric disorders. *Journal of the American Academy of Child & Adolescent Psychiatry*, 51(4), 356-367.

- Arp, J. M., ter Horst, J. P., Kanatsou, S., Fernández, G., Joëls, M., Krugers, H. J., & Oitzl, M. S. (2014). Mineralocorticoid receptors guide spatial and stimulus-response learning in mice. *PLoS one*, 9(1), e86236.
- Aubuchon, P. G., & Calhoun, K. S. (1985). Menstrual cycle symptomatology: the role of social expectancy and experimental demand characteristics. *Psychosomatic medicine*, 47, 35-46.
- B**
- Bancroft, J., & Rennie, D. (1993). The impact of oral contraceptives on the experience of peri-menstrual mood, clumsiness, food craving and other symptoms. *Journal of psychosomatic research*, 37(2), 195-202.
- Barrett Mueller, K., Lu, Q., Mohammad, N. N., Luu, V., McCurley, A., Williams, G. H., ... & Jaffe, I. Z. (2014). Estrogen receptor inhibits mineralocorticoid receptor transcriptional regulatory function. *Endocrinology*, 155(11), 4461-4472.
- Bayer, J., Bandurski, P., & Sommer, T. (2013). Differential modulation of activity related to the anticipation of monetary gains and losses across the menstrual cycle. *European journal of neuroscience*, 38(10), 3519-3526.
- Bayer, J., Schultz, H., Gamer, M., & Sommer, T. (2014). Menstrual-cycle dependent fluctuations in ovarian hormones affect emotional memory. *Neurobiology of learning and memory*, 110, 55-63.
- Beaton, D. (2017). *Implementing appropriate multivariate methods for higher quality results from genetic association studies in substance abuse populations*. Doctoral dissertation. University of Texas at Dallas.
- Beck, A. T. (1963). Thinking and depression: I. Idiosyncratic content and cognitive distortions. *Archives of general psychiatry*, 9(4), 324-333.
- Beck, A. T. (2002). Cognitive models of depression. *Clinical advances in cognitive psychotherapy: Theory and application*, 14(1), 29-61.
- Beck, A. T., & Clark, D. A. (1997). An information processing model of anxiety: Automatic and strategic processes. *Behaviour research and therapy*, 35(1), 49-58.
- Becker, D., Creutzfeldt, O. D., Schwibbe, M., & Wuttke, W. (1982). Changes in physiological, EEG and psychological parameters in women during the spontaneous menstrual cycle and following oral contraceptives. *Psychoneuroendocrinology*, 7(1), 75-90.
- Binder, E.B., Salyakina, D., Lichtner, P., Wochnik, G. M., Ising, M., Pütz, B. & Muller-Myhsok, B. (2004). Polymorphisms in FKBP5 are associated with increased recurrence of depressive episodes and rapid response to antidepressant treatment. *Nature genetics*, 36(12), 1319-1325.
- Bitran, D., Shiekh, M., & McLeod, M. (1995). Anxiolytic effect of progesterone is mediated by the neurosteroid allopregnanolone at brain GABAA receptors. *Journal of neuroendocrinology*, 7(3), 171-177.
- Bobst, C., Sauter, S., Foppa, A., & Lobmaier, J. S. (2014). Early follicular testosterone level predicts preference for masculinity in male faces—but not for women taking hormonal contraception. *Psychoneuroendocrinology*, 41, 142-150.
- Bogdan, R., Perlis, R. H., Fagerness, J., & Pizzagalli, D. A. (2010). The impact of mineralocorticoid receptor ISO/VAL genotype (rs5522) and stress on reward learning. *Genes, brain and behavior*, 9(6), 658-667.
- Bogdan, R., Perlis, R.H., Fagerness, J. & Pizzagalli, D.A (2010). The impact of mineralocorticoid receptor ISO/VAL genotype (rs5522) and stress on reward learning. *Genes brain behavior*, 9, 658-667.
- Bogdan, R., Williamson, D. E., & Hariri, A. R. (2012). Mineralocorticoid receptor Iso/Val (rs5522) genotype moderates the association between previous childhood emotional neglect and amygdala reactivity. *American journal of psychiatry*, 169(5), 515-522.

- Bone, J. K., Lewis, G., Button, K. S., Duffy, L., Harmer, C. J., Munafò, M. R., ... & Lewis, G. (2019). Variation in recognition of happy and sad facial expressions and self-reported depressive symptom severity: A prospective cohort study. *Journal of affective disorders*, 257, 461-469.
- Boron, E.L., Boulpaep, W.F. (Eds.) (2012). *Medical physiology*, Second Ed., Saunders Ed, Philadelphia, USA.
- Bosman, R. C., Jung, S. E., Miloserdov, K., Schoevers, R. A., & aan het Rot, M. (2016). Daily symptom ratings for studying premenstrual dysphoric disorder: A review. *Journal of affective disorders*, 189, 43-53.
- Bouma, E., Riese, M., Nolte, C., Oosterom, H., Verhulst, I., Ormel, E., & Oldehinkel, F. (2011). No associations between single nucleotide polymorphisms in corticoid receptor genes and heart rate and cortisol responses to a standardized social stress test in adolescents: the TRAILS study. *Behavior genetics*, 41(2), 253-261.
- Boyce, P. & Parker, G. (1989). Development of a scale to measure interpersonal sensitivity. *Australian new zealand journal of psychiatry* 23, 341-51.
- Boyce, P., Parker, G., Barnett, B., Cooney, M., & Smith, F. (1991). Personality as a vulnerability factor to depression. *The british journal of psychiatry*, 159(1), 106-114.
- Brinks, V., Berger, S., Gass, P., De Kloet, E. R., & Oitzl, M. S. (2009). Mineralocorticoid receptors in control of emotional arousal and fear memory. *Hormones and behavior*, 56(2), 232-238.
- Brody, L.R., Hall, J. & Stokes, L.R. (2016). Gender and emotion: Theory, findings and context, in: Feldman Barrett, L., Lewis, M., Haviland-Jones, J.M. (Eds.), *Handbook of emotions*. The Guilford Press, New York, pp. 369-392.
- Broome, M. R., He, Z., Iftikhar, M., Eyden, J., & Marwaha, S. (2015). Neurobiological and behavioural studies of affective instability in clinical populations: a systematic review. *Neuroscience & biobehavioral reviews*, 51, 243-254.
- Brosschot, J. F., Geurts, S. A. E., Kruizinga, I., Radstaak, M., Verkuil, B., Quirin, M., & Kompier, M. A. J. (2014). Does unconscious stress play a role in prolonged cardiovascular stress recovery? *Stress and health*, 30(3), 179-187.

C

- Carey, M. P., Deterd, C. H., De Koning, J., Helmerhorst, F., & De Kloet, E. R. (1995). The influence of ovarian steroids on hypothalamic-pituitary-adrenal regulation in the female rat. *Journal of endocrinology*, 144(2), 311-321.
- Carr, B.R., Parker, C.R., Madden, J.D., MacDonald, P.C. & Porter JC (1979). Plasma levels of adrenocorticotropin and cortisol in women receiving oral contraceptive steroid treatment. *The journal of clinical endocrinology and metabolism*, 49, 346-349.
- Carver, C.S. & Scheier, M.S. (2014). Dispositional optimism. *Trends in cognitive sciences*, 6, 293-299.
- Cavallari, L. H., Groo, V. L., Viana, M. A., Dai, Y., Patel, S. R., & Stamos, T. D. (2010). Association of aldosterone concentration and mineralocorticoid receptor genotype with potassium response to spironolactone in patients with heart failure. *Pharmacotherapy: the journal of human pharmacology and drug therapy*, 30(1), 1-9.
- Cavanagh, J. F., & Shackman, A. J. (2015). Frontal midline theta reflects anxiety and cognitive control: meta-analytic evidence. *Journal of physiology-Paris*, 109(1-3), 3-15.
- Champagne, D. L., Bagot, R. C., van Hasselt, F., Ramakers, G., Meaney, M. J., De Kloet, E. R., ... & Krugers, H. (2008). Maternal care and hippocampal plasticity: evidence for experience-dependent structural plasticity, altered synaptic functioning, and differential responsiveness to glucocorticoids and stress. *Journal of neuroscience*, 28(23), 6037-6045.

- Chapman, K., Holmes, M., & Seckl, J. (2013). 11 β -hydroxysteroid dehydrogenases: intracellular gatekeepers of tissue glucocorticoid action. *Physiological reviews*, 93(3), 1139-1206.
- Charney, D. S., & Manji, H. K. (2004). Life stress, genes, and depression: multiple pathways lead to increased risk and new opportunities for intervention. *Science's STKE*, 2004 (225), re5-re5.
- Cheslack-Postava, K., Keyes, K. M., Lowe, S. R., & Koenen, K. C. (2015). Oral contraceptive use and psychiatric disorders in a nationally representative sample of women. *Archives of women's mental health*, 18, 103-111.
- Clance, P., Imes, S., & Kovacs, Arthur L. (1978). The imposter phenomenon in high achieving women: Dynamics and therapeutic intervention. *Psychotherapy: theory, research & practice*, 15(3), 241-247.
- Clark, L. A., Watson, D., & Mineka, S. (1994). Temperament, personality, and the mood and anxiety disorders. *Journal of abnormal psychology*, 103(1), 103.
- Cobey, K., Buunk, A. (2012). Conducting high-quality research on the psychological impact of oral contraceptive use. *Contraception*, 86, 330-331.
- Cobey, K. D., Buunk, A. P., Roberts, S. C., Klipping, C., Appels, N., Zimmerman, Y., et al. (2012). Reported jealousy differs as a function of menstrual cycle stage and contraceptive pill use: A within-subjects investigation. *Evolution and human Behavior*, 33, 395-401.
- Cokley, K., Awad, G., Smith, L., Jackson, S., Awosogba, O., Hurst, A., ... & Roberts, D. (2015). The roles of gender stigma consciousness, impostor phenomenon and academic self-concept in the academic outcomes of women and men. *Sex roles*, 73(9), 414-426.
- Colzato, L. S., & Hommel, B. (2014). Effects of estrogen on higher-order cognitive functions in unstressed human females may depend on individual variation in dopamine baseline levels. *Frontiers in neuroscience*, 8, 65.
- Cools, R. (2006). Dopaminergic modulation of cognitive function-implications for L-DOPA treatment in Parkinson's disease. *Neuroscience & biobehavioral reviews*, 30(1), 1-23.
- Cooper, S. E., Goings, S. P., Kim, J. Y., & Wood, R. I. (2014). Testosterone enhances risk tolerance without altering motor impulsivity in male rats. *Psychoneuroendocrinology*, 40, 201-212.
- Cornelisse, S., Joëls, M. & Smeets T (2011). A randomized trial on mineralocorticoid receptor blockade in men: effects on stress responses, selective attention, and memory. *Neuropsychopharmacology*, 36, 2720-2728.
- Creutzfeldt, O. D., Arnold, P. M., Becker, D., Langenstein, S., Tirsch, W., Wilhelm, H., & Wuttke, W. (1976). EEG changes during spontaneous and controlled menstrual cycles and their correlation with psychological performance. *Electroencephalography and clinical neurophysiology*, 40(2), 113-131.
- Cullberg, J. (1972). Mood changes and menstrual symptoms with different gestagen/estrogen combinations. A double-blind comparison with a placebo. *Acta psychiatrica Scandinavica. Supplementum*, 236, 1.

D

- De Bondt, T., Jacquemyn, Y., Van Hecke, W., Sijbers, J., Sunaert, S., & Parizel, P. M. (2013). Regional gray matter volume differences and sex-hormone correlations as a function of menstrual cycle phase and hormonal contraceptives use. *Brain research*, 1530, 22-31.
- De Kloet, E. R. (2016). Corticosteroid receptor balance hypothesis: implications for stress-adaptation. In *Stress: concepts, cognition, emotion, and behavior* (pp. 21-31). Academic Press.
- De Kloet, E. R., DeRijk, R. H., & Meijer, O. C. (2007). Therapy Insight: is there an imbalanced response of mineralocorticoid and glucocorticoid receptors in depression? *Nature clinical practice endocrinology & metabolism*, 3, 168-179.

- De Kloet, E. R., Joëls, M., & Holsboer, F. (2005). Stress and the brain: from adaptation to disease. *Nature reviews neuroscience*, 6(6), 463-475.
- De Kloet, E. R., Meijer, O. C., de Nicola, A. F., de Rijk, R. H., & Joels, M. (2018). Importance of the brain corticosteroid receptor balance in metaplasticity, cognitive performance and neuro-inflammation. *Frontiers in neuroendocrinology*, 49, 124-145.
- De Kloet, E. R., Otte, C., Kumsta, R., Kok, L., Hillegers, M. H. J., Hasselmann, H., ... & Joels, M. (2016). Stress and depression: a crucial role of the mineralocorticoid receptor. *Journal of neuroendocrinology*, 28(8).
- De Kloet, E. R., Vreugdenhil, E., Oitzl, M. S., & Joëls, M. (1998). Brain corticosteroid receptor balance in health and disease. *Endocrine reviews*, 19(3), 269-301.
- De Kloet, E., Otte, C., Kumsta, R., Kok, L., Hillegers, M., Hasselmann, H., Kliegel, D., Joëls, M. (2016). Stress and Depression: A crucial role of the mineralocorticoid receptor. *Journal of neuroendocrinology*, 28(8).
- De Kloet, E., Vreugdenhil, E., Oitzl, M., & Joëls, M. (1998). Brain corticosteroid receptor balance in health and disease. *Endocrine reviews*, 19(3), 269-301.
- De Kloet, E.R., Joëls, M. & Holsboer, F. (2005). Stress and the brain: from adaptation to disease. *Nature reviews neuroscience*, 6: 463-475.
- De Kloet, E.R., Otte, C., Kumsta, R., Kok, L., Hillegers, M.H., Hasselmann, H., Kliegel, D. & Joëls, M. (2016). Stress and depression: a crucial role of the mineralocorticoid receptor. *Journal of neuroendocrinology*, 28(8).
- DeBondt, T. Jacquemyn, Y., VanHecke, W., Sijbers, J., Sunaert, S., Parizel, P. (2013). Regional gray matter volume differences and sex-hormone correlations as a function of menstrual cycle phase and hormonal contraceptives use. *Brain research*, 1530, 22-31.
- Deecher, D., Andree, T. H., Sloan, D., & Schechter, L. E. (2008). From menarche to menopause: exploring the underlying biology of depression in women experiencing hormonal changes. *Psychoneuroendocrinology*, 33(1), 3-17.
- Deijen, J. B., Duyn, K. J., Jansen, W. A., & Klitsie, J. W. (1992). Use of a monophasic, low-dose oral contraceptive in relation to mental functioning. *Contraception*, 46(4), 359-367.
- DeRijk, R. H. (2009). Single nucleotide polymorphisms related to HPA axis reactivity. *Neuroimmunomodulation*, 16(5), 340-352.
- DeRijk, R. H., & de Kloet, E. R. (2008). Corticosteroid receptor polymorphisms: determinants of vulnerability and resilience. *European journal of pharmacology*, 583(2-3), 303-311.
- DeRijk, R. H., van Leeuwen, N., Klok, M. D., & Zitman, F. G. (2008). Corticosteroid receptor-gene variants: modulators of the stress-response and implications for mental health. *European journal of pharmacology*, 585(2-3), 492-501.
- DeRijk, R. H., Wüst, S., Meijer, O. C., Zennaro, M.C., Federenko, I. S., Hellhammer, D. H., Giacchetti, G., Vreugdenhil, E., Zitman, F.G., & de Kloet, E. R. (2006). A common polymorphism in the mineralocorticoid receptor modulates stress responsiveness. *Journal of clinical endocrinology and metabolism*, 91(12), 5083-5089.
- Derntl, B., Kryspin-Exner, I., Fernbach, E., Moser, E., & Habel, U. (2008). Emotion recognition accuracy in healthy young females is associated with cycle phase. *Hormones and Behavior*, 53(1), 90-95.
- DeSoto, M. C., Geary, D. C., Hoard, M. K., Sheldon, M. S., & Cooper, L. (2003). Estrogen fluctuations, oral contraceptives and borderline personality. *Psychoneuroendocrinology*, 28(6), 751-766.

- Deuter, C. E., Wingefeld, K., Schultebrucks, K., Hellmann-Regen, J., Piber, D., & Otte, C. (2017). Effects of mineralocorticoid-receptor stimulation on risk taking behavior in young healthy men and women. *Psychoneuroendocrinology*, 75, 132-140.
- Dougherty, D.M., Bjork, J.M., Huang, D. & Moeller, F.G. (1997). The relationship between self-reported menstrual symptomatology and aggression measured in the laboratory, *Personal and individual differences*, 3, 381-391.
- Dreher, J. C., Schmidt, P. J., Kohn, P., Furman, D., Rubinow, D., & Berman, K. F. (2007). Menstrual cycle phase modulates reward-related neural function in women. *Proceedings of the national academy of sciences*, 104(7), 2465-2470.
- Durand, G. (2018a). Influence of allelic variations in relation to norepinephrine and mineralocorticoid receptors on psychopathic traits: A pilot study. *PeerJ*, 6(3), E4528.
- Durand, G. (2018b). Demystification of the Relationship Between Psychopathy and Happiness. *Journal of happiness Studies*, 19(2), 381-395.
- Dykman, B., Abramson, L., Alloy, L., Hartlage, S., & Sarason, Irwin G. (1989). Processing of ambiguous and unambiguous feedback by depressed and non-depressed college students: schematic biases and their Implications for depressive realism. *Journal of personality and social psychology*, 56(3), 431-445.
- E**
- Edwards, C. R. W., Burt, D., McIntyre, M. A., De Kloet, E. R., Stewart, P. M., Brett, L., ... & Monder, C. (1988). Localisation of 11 -hydroxysteroid dehydrogenase-tissue specific protector of the mineralocorticoid receptor. *The lancet*, 332(8618), 986-989.
- Ehlers, A. (1993). Interoception and panic disorder. *Advances in behaviour research and therapy*, 15(1), 3-21.
- Eig, J. (2014). *The birth of the pill: How four crusaders reinvented sex and launched a revolution*. New York: W.W. Norton & Company.
- Ekman, P., & Friesen, W. V. (1976). Measuring facial movement. *Environmental psychology and nonverbal behavior*, 1(1), 56-75.
- Ellis, A. J., Wells, T. T., Vanderlind, W. M., & Beevers, C. G. (2014). The role of controlled attention on recall in major depression. *Cognition & emotion*, 28(3), 520-529.
- Endedijk, H., Nelemans, S., Schür, R., Boks, M., Lier, P., Meeus, W., ... & Vinkers, C. (2020). The role of stress and mineralocorticoid receptor haplotypes in the development of symptoms of depression and anxiety during adolescence. *Frontiers in psychiatry*, 11, 367.
- Endedijk, H., Nelemans, Schür, R., Boks, M., Meeus, W., Vinkers, C... & Branje. (2019). The role of stressful parenting and mineralocorticoid receptor haplotypes on social development during adolescence and young adulthood. *Journal of youth and adolescence*, 1-18.
- Engman, J., Linnman, C., Van Dijk, K. R., & Milad, M. R. (2016). Amygdala subnuclei resting-state functional connectivity sex and estrogen differences. *Psychoneuroendocrinology*, 63, 34-42.
- Engman, J., Poromaa, I. S., Moby, L., Wikström, J., Fredrikson, M., & Gingnell, M. (2018). Hormonal cycle and contraceptive effects on amygdala and salience resting-state networks in women with previous affective side effects on the pill. *Neuropsychopharmacology*, 43(3), 555-563.
- Eysenck, M. (1992). Anxiety: The cognitive perspective. *Essays in cognitive psychology*, 47332328). Hove [etc.]: Lawrence Erlbaum Associates.

F

- Fauser, B.C., Lagro-Janssen, A.L., Bos, A.M. (2013). *Handboek vrouwenspecifieke geneeskunde*. Houten: Prelum Uitgevers.
- Fava, M., Hwang, I., Rush, A. J., Sampson, N., Walters, E. E., & Kessler, R. C. (2010). The importance of irritability as a symptom of major depressive disorder: results from the National Comorbidity Survey Replication. *Molecular psychiatry*, 15(8), 856-867.
- Felitti, V. J., Anda, R. F., Nordenberg, D., Williamson, D. F., Spitz, A. M., Edwards, V., . . . Marks, J. S. (1998). Relationship of childhood abuse and household dysfunction to many of the leading causes of death in adults: The Adverse Childhood Experiences (ACE) Study. *American journal of preventive medicine*, 14, 245-258.
- Felten, D. L., O'Banion, M. K., & Maida, M. E. (2015). *Netter's atlas of neuroscience*. Elsevier Health Sciences.
- Figueroa, C. A., Ruhé, H. G., Koeter, M. W., Spinhoven, P., Van der Does, W., Bockting, C. L., & Schene, A. H. (2015). Cognitive reactivity versus dysfunctional cognitions and the prediction of relapse in recurrent major depressive disorder. *The Journal of clinical Psychiatry*, 10E1306.
- Fink, G. (Ed.) (2016). *Stress: concepts, cognition, emotion, and behavior: Handbook of stress series (Vol.1)*. Academic Press.
- Fleischman, D. S., Navarrete, C. D., & Fessler, D. M. (2010). Oral contraceptives suppress ovarian hormone production. *Psychological science*, 21(5), 750-752.
- Franke, L.K. (2017). *Mineralocorticoid receptor genotype influences resting state EEG theta/beta ratio in women*. (Research master thesis, Leiden University, The Netherlands).
- Fries, E., Dettenborn, L., Kirschbaum, C. (2009). The cortisol awakening response (CAR): facts and future directions. *International journal of psychophysiology*, 72, 67-73.
- Fritzsche, A., Dahme, B., Gotlib, I. H., Joormann, J., Magnussen, H., Watz, H., ... & von Leupoldt, A. (2010). Specificity of cognitive biases in patients with current depression and remitted depression and in patients with asthma. *Psychological medicine*, 40(5), 815.
- Frokjaer, V.G., Pinborg, A., Holst, K.K., Overgaard, A., Henningsson, S., Heede, M., Larsen, E.C., ... & Knudsen, G.M. (2015). Role of serotonin transporter changes in depressive responses to sex-steroid hormone manipulation: a positron emission tomography study. *Biological psychiatry*, 78, 534-543.
- FSRH *Clinical Guidance: Combined Hormonal Contraception – March 2021*. Retrieved on the Internet on <https://www.fsrh.org/standards-and-guidance/documents/combined-hormonal-contraception/>.
- Funder, J. W., Pearce, P. T., Smith, R., & Smith, A. I. (1988). Mineralocorticoid action: target tissue specificity is enzyme, not receptor, mediated. *Science*, 242(4878), 583-585.

G

- Gasbarri, A., Pompili, A., d'Onofrio, A., Cifariello, A., Tavares, M., Tomaz, C. (2008). Working memory for emotional facial expressions: role of the estrogen in young women. *Psychoneuroendocrinology*, 33, 964-972.
- Geerling, J. C., & Loewy, A. D. (2009). Aldosterone in the brain. *American journal of physiology-renal physiology*, 297(3), F559-F576.
- Gerritsen, L., Milaneschi, Y., Vinkers, C. H., Van Hemert, A.M., Van Velzen, L., Schmaal, L., & Penninx, B. W. (2017). HPA axis genes, and their interaction with childhood maltreatment, are related to cortisol levels and stress-related phenotypes. *Neuropsychopharmacology*, 42(12), 2446.

- Gillies, G. E., Virdee, K., McArthur, S., & Dalley, J. W. (2014). Sex-dependent diversity in ventral tegmental dopaminergic neurons and developmental programming: a molecular, cellular and behavioral analysis. *Neuroscience*, 282, 69-85.
- Gingnell, M., Engman, J., Frick, A., Moby, L., Wikström, J., Fredrikson, M., & Sundström-Poromaa, I. (2013). Oral contraceptive use changes brain activity and mood in women with previous negative affect on the pill—a double-blinded, placebo-controlled randomized trial of a levonorgestrel-containing combined oral contraceptive. *Psychoneuroendocrinology*, 38(7), 1133-1144.
- Gogos, A. (2013). Natural and synthetic sex hormones: Effects on higher-order cognitive function and prepulse inhibition. *Biological psychology*, 93(1), 17-23.
- Gogos, A., Wu, Y. C., Williams, A. S., & Byrne, L. K. (2014). The effects of ethinylestradiol and progestins (“the pill”) on cognitive function in pre-menopausal women. *Neurochemical research*, 39(12), 2288-2300.
- Goldberg, D. P., Gater, R., Sartorius, N., Ustun, T. B., Piccinelli, M., Gureje, O., & Rutter, C. (1997). The validity of two versions of the GHQ in the WHO study of mental illness in general health care. *Psychological medicine*, 27(1), 191-197.
- Gonda, X., Telek, T., Juhasz, G., Lazary, J., Vargha, A., & Bagdy, G. (2008). Patterns of mood changes throughout the reproductive cycle in healthy women without premenstrual dysphoric disorders. *Progress in neuro-psychopharmacology and biological psychiatry*, 32(8), 1782-1788.
- Goodstein, D. (2010). *On fact and fraud: Cautionary tales from the front lines of science*. Princeton University Press.
- Gratton, G., Coles, M. G., & Donchin, E. (1983). A new method for off-line removal of ocular artifact. *Electroencephalography and clinical neurophysiology*, 55(4), 468-484.
- Groeneweg, F. L., Karst, H., de Kloet, E. R., & Joëls, M. (2012). Mineralocorticoid and glucocorticoid receptors at the neuronal membrane, regulators of nongenomic corticosteroid signalling. *Molecular and cellular endocrinology*, 350(2), 299-309.
- Guapo, V. G., Graeff, F. G., Zani, A. C. T., Labate, C. M., dos Reis, R. M., & Del-Ben, C. M. (2009). Effects of sex hormonal levels and phases of the menstrual cycle in the processing of emotional faces. *Psychoneuroendocrinology*, 34(7), 1087-1094.

H

- Haaga, D., Dyck, M., Ernst, D., & Steinberg, Robert J. (1991). Empirical Status of Cognitive Theory of Depression. *Psychological bulletin*, 110(2), 215-236.
- Haig, M. (2015). *Reasons to stay alive*. Edinburgh: Canongate Books.
- Hall, J. R., & Benning, S. D. (2006). The “successful” psychopath. *Handbook of psychopathy*, 459-478.
- Haller, J., Mikics, É., & Makara, G. B. (2008). The effects of non-genomic glucocorticoid mechanisms on bodily functions and the central neural system. A critical evaluation of findings. *Frontiers in neuroendocrinology*, 29(2), 273-291.
- Hampson, E., van Anders, S. M., & Mullin, L. I. (2006). A female advantage in the recognition of emotional facial expressions: Test of an evolutionary hypothesis. *Evolution and human behavior*, 27(6), 401-416.
- Hamstra, D. (2013). *The effect of a single dose fludrocortisone, a MR-agonist, on emotional information processing in healthy female volunteers*. (Research master thesis, Leiden University, The Netherlands).
- Hamstra, D. A., de Kloet, E. R., de Rover, M., & Van der Does, W. (2017b). Oral contraceptives positively affect mood in healthy PMS-free women: A longitudinal study. *Journal of Psychosomatic Research*, 103, 119-126.

- Hamstra, D. A., De Kloet, E. R., Van Hemert, A. M., De Rijk, R. H., & Van der Does, A. J. W. (2015). Mineralocorticoid receptor haplotype, oral contraceptives and emotional information processing. *Neuroscience*, 286, 412-422.
- Hamstra, D. A., De Rover, M., De Rijk, R. H., & Van der Does, W. (2014). Oral contraceptives may alter the detection of emotions in facial expressions. *European neuropsychopharmacology*, 24(11), 1855-1859.
- Hamstra, D.A., De Kloet, E., Tollenaar, M., Verkuil, B., Manai, M., Putman, P. & Van der Does, W. (2016). Mineralocorticoid receptor haplotype moderates the effects of oral contraceptives and menstrual cycle on emotional information processing. *Journal of psychopharmacology*, 10, 1054-1061.
- Hamstra, D.A., de Kloet, E.R., Quataert, I., Jansen, M. & Van der Does, W. (2017). Mineralocorticoid receptor haplotype, estradiol, progesterone and emotional information processing. *Psychoneuroendocrinology*, 76, 162-173.
- Handa, R. J., & Weiser, M. J. (2014). Gonadal steroid hormones and the hypothalamo–pituitary–adrenal axis. *Frontiers in neuroendocrinology*, 35(2), 197-220.
- Handa, Robert J., Burgess, Loyd H., Kerr, J.E., & Keefe, J. A. (1994). Gonadal steroid hormone receptors and sex differences in the hypothalamo-pituitary-adrenal axis. *Hormones and behavior*, 28(4), 464-476.
- Harald, B., & Gordon, P. (2012). Meta-review of depressive subtyping models. *Journal of affective disorders*, 139(2), 126–140.
- Harkness, K., Sabbagh, M., Jacobson, J., Chowdrey, N., & Chen, T. (2005). Enhanced accuracy of mental state decoding in dysphoric college students. *Cognition & emotion*, 19(7), 999-1025.
- Harmer, C. J., Bhagwagar, Z., Perrett, D. I., Völlm, B. A., Cowen, P. J., & Goodwin, G. M. (2003). Acute SSRI administration affects the processing of social cues in healthy volunteers. *Neuropsychopharmacology*, 28(1), 148-152.
- Harmer, C. J., Goodwin, G. M., & Cowen, P. J. (2009). Why do antidepressants take so long to work? A cognitive neuropsychological model of antidepressant drug action. *The british journal of psychiatry*, 195(2), 102-108.
- Harmer, C. J., Hill, S. A., Taylor, M. J., Cowen, P. J., & Goodwin, G. M. (2003). Toward a neuropsychological theory of antidepressant drug action: increase in positive emotional bias after potentiation of norepinephrine activity. *American journal of psychiatry*, 160(5), 990-992.
- Harmer, C. J., Shelley, N. C., Cowen, P. J., & Goodwin, G. M. (2004). Increased positive versus negative affective perception and memory in healthy volunteers following selective serotonin and norepinephrine reuptake inhibition. *American journal of psychiatry*, 161(7), 1256-1263.
- Harmer, C., Cowen, P., Goodwin, G. (2011). Efficacy markers in depression. *Journal of psychopharmacology*, 25, 1148.
- Harmer, C., Goodwin, G. & Cowen, P. (2009). Why do antidepressants take so long to work? A cognitive neuropsychological model of antidepressant action. *British journal of psychiatry*, 195, 102-108.
- Harris, R. (2017). *Rigor Mortis: How sloppy science creates worthless cures, crushes hope, and wastes billions*. Hachette Book Group, New York.
- Harvey, A. (2004). *Cognitive behavioral processes across psychological disorders: A transdiagnostic approach to research and treatment*. Chapter 2 and 3. Oxford [etc.]: Oxford University Press.
- Hather, R., Trussel, J., Cates, W., Stewart, F., Kowal, D. (2007). *Contraceptive technology*. 19th revised ed. New York: Ardent Media.
- Heck, A. L., & Handa, R. J. (2019). Sex differences in the hypothalamic–pituitary–adrenal axis' response to stress: an important role for gonadal hormones. *Neuropsychopharmacology*, 44(1), 45-58.

- Henckens, M. J., van Wingen, G. A., Joëls, M., & Fernández, G. (2012). Time-dependent effects of cortisol on selective attention and emotional interference: a functional MRI study. *Frontiers in integrative neuroscience*, 6, 66.
- Hermans, E. J., Henckens, M. J., Joëls, M., & Fernández, G. (2014). Dynamic adaptation of large-scale brain networks in response to acute stressors. *Trends in neurosciences*, 37(6), 304-314.
- Herzberg, B. N., Johnson, A. L., & Brown, S. (1970). Depressive symptoms and oral contraceptives. *British medical journal*, 4(5728), 142-145.
- Hjelmervik, H., Hausmann, M., Osnes, B., Westerhausen, R., & Specht, K. (2014). Resting states are resting traits—an fMRI study of sex differences and menstrual cycle effects in resting state cognitive control networks. *PLoS one*, 9(7), e103492.
- Hoekstra, H.A., Ormel, J. & de Fruyt, F. (1996). *Handleiding NEO persoonlijkheids-vragenlijsten NEO-PI-R en NEO-FFI*. Swets Test Services, Lisse.
- Hofman, D., Terburg, D., van Wielink, L., & Schutter, D. J. (2013). Coalescence of dominance motivation and responses to facial anger in resting-state and event-related electrophysiology. *NeuroImage*, 79, 138-144.
- Holländer, A., Hausmann, M., Hamm, J.P., Corballis, M.C. (2005). Sex hormonal modulation of hemispheric asymmetries in the attentional blink. *Journal of the international neuropsychological society*, 11, 263-272
- Holsboer, F. (1999). The rationale for corticotropin-releasing hormone receptor (CRH-R) antagonists to treat depression and anxiety. *Journal of psychiatric research*, 33(3), 181-214.
- Holsboer, F. (2000). The corticosteroid receptor hypothesis of depression. *Neuropsychopharmacology*, 23(5), 477-501.
- Homberg, J. (2012). Genetic sensitivity to the environment, across lifetime. *Behavioral and brain sciences*, 35(5), 368.
- Homberg, J. R., & Lesch, K. P. (2011). Looking on the bright side of variation. *Biological psychiatry*, 69(6), 513-519.
- Hoogendijk, W. & de Rek, W. (2017). *Van big bang tot burnout*. First ed. Amsterdam: Balans.

I

- Ingram, R. (1986). *Information processing approaches to clinical psychology* (Personality, psychopathology and psychotherapy. 041574028). Orlando [etc.]: Academic Press.
- Ingram, R. (1990). Self-focused attention in clinical disorders: Review and a conceptual model. *Psychological bulletin*, 107(Mar 90), 156-176.
- Ioannidis, J.P.A. (2005). Why most published research findings are false'. *PLoS Medicine*, 2.8, e124.

J

- Jack, D. (2019). *Silencing the self: Women and depression*. Cambridge, Mass. [etc.]: Harvard University Press.
- Jaisser, F., & Farman, N. (2016). Emerging roles of the mineralocorticoid receptor in pathology: toward new paradigms in clinical pharmacology. *Pharmacological reviews*, 68(1), 49-75.
- James, S. L., Abate, D., Abate, K. H., Abay, S. M., Abbafati, C., Abbasi, N., ... & Abdollahpour, I. (2018). Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *The lancet*, 392(10159), 1789-1858.

- Jarva, J. A., & Oinonen, K. A. (2007). Do oral contraceptives act as mood stabilizers? Evidence of positive affect stabilization. *Archives of women's mental health*, 10(5), 225-234.
- Joëls, M., Karst, H., DeRijk, R., & de Kloet, E. R. (2008). The coming out of the brain mineralocorticoid receptor. *Trends in neurosciences*, 31(1), 1-7.
- Joëls, M., Sarabdjitsingh, R. A., & Karst, H. (2012). Unraveling the time domains of corticosteroid hormone influences on brain activity: rapid, slow, and chronic modes. *Pharmacological reviews*, 64(4), 901-938.
- Jones E, Boron E, Walter F, Boulpaep (Eds.), *Medical Physiology*, Second Ed., Saunders Ed, Phil, USA; 2012: 1150-1160.
- Joormann J, Talbot L, Gotlib I (2007). Biased processing of emotional information in girls at risk for depression. *Journal of abnormal psychology*, 116(1) 135-143.
- Joormann, & Stanton. (2016). Examining emotion regulation in depression: A review and future directions. *Behaviour research and therapy*, 86, 35-49.
- Joormann, J., & Gotlib, I. H. (2007). Selective attention to emotional faces following recovery from depression. *Journal of abnormal psychology*, 116(1), 80.
- Joormann, J., & Stanton, C. H. (2016). Examining emotion regulation in depression: A review and future directions. *Behaviour research and therapy*, 86, 35-49.
- Joormann, J., Gotlib, I., & Watson, David. (2006). Is this happiness I see? Biases in the identification of emotional facial expressions in depression and social phobia. *Journal of abnormal psychology*, 115(4), 705-714.
- Junod, S., & Marks, L. (2002). Women's trials: The approval of the first oral contraceptive pill in the United States and Great Britain. *Journal of the history of medicine and allied sciences*, 57(2), 117-160.

K

- Kahneman, D. (2011). *Thinking, fast and slow* (1st ed.). Chapter 38. New York: Farrar, Straus and Giroux.
- Kamboj, S. K., Krol, K. M., & Curran, H. V. (2015). A specific association between facial disgust recognition and estradiol levels in naturally cycling women. *PLoS One*, 10(4), e0122311.
- Karst, H., Berger, S., Erdmann, G., Schütz, G., & Joëls, M. (2010). Metaplasticity of amygdalar responses to the stress hormone corticosterone. *Proceedings of the national academy of sciences*, 107(32), 14449-14454.
- Karst, H., Berger, S., Turiault, M., Tronche, F., Schütz, G., & Joëls, M. (2005). Mineralocorticoid receptors are indispensable for nongenomic modulation of hippocampal glutamate transmission by corticosterone. *Proceedings of the national academy of sciences*, 102(52), 19204-19207.
- Kay, C. R. (1984). The royal college of general practitioners' oral contraception study: some recent observations. *Clinics in obstetrics and gynaecology*, 11(3), 759-786.
- Keller, J., Gomez, R., Williams, G., Lembke, A., Lazzaroni, L., Murphy, G., & Schatzberg, A. (2016). HPA Axis in Major Depression: Cortisol, Clinical Symptomatology, and Genetic Variation Predict Cognition. *Molecular psychiatry*, 22(4), 527-536.
- Kendler, K.S., Gatz, M., Gardner, C.O. et al. (2006). A Swedish national twin study of lifetime major depression. *American journal of psychiatry*, 163(1); 109-114.
- Kennis, M., Gerritsen, L., van Dalen, M., Williams, A., Cuijpers, P., & Bockting, C. (2019). Prospective biomarkers of major depressive disorder: a systematic review and meta-analysis. *Molecular psychiatry*, 1-18.

- Keyes, K. M., Cheslack-Postava, K., Westhoff, C., Heim, C. M., Haloossim, M., Walsh, K., & Koenen, K. (2013). Keyes et al. Respond to “hormonal contraception and mood”. *American journal of epidemiology*, 178(9), 1392-1393.
- Kirmayer, L. J. (2001). Cultural variations in the clinical presentation of depression and anxiety: implications for diagnosis and treatment. *Journal of clinical psychiatry*, 62, 22-3.
- Kirschbaum, C., Kudielka, B. M., Gaab, J., Schommer, N. C., & Hellhammer, D. H. (1999). Impact of gender, menstrual cycle phase, and oral contraceptives on the activity of the hypothalamus-pituitary-adrenal axis. *Psychosomatic medicine*, 61(2), 154-162.
- Kirschbaum, C., Pirke, K.M., & Hellhammer, D.H. (1993). The ‘Trier Social Stress Test’– a tool for investigating psychobiological stress responses in a laboratory setting. *Neuropsychobiology*, 28, 76-81.
- Klok, M. D. (2011). *Mineralocorticoid receptor in human brain: a key player in resilience*. Doctoral thesis. Division of Medical Pharmacology, Leiden/Amsterdam Center for Drug Research, Faculty of Science, Leiden University.
- Klok, M. D., Alt, S. R., Lafitte, A. J. I., Turner, J. D., Lakke, E. A., Huitinga, I., ... & DeRijk, R. H. (2011). Decreased expression of mineralocorticoid receptor mRNA and its splice variants in postmortem brain regions of patients with major depressive disorder. *Journal of psychiatric research*, 45(7), 871-878.
- Klok, M. D., Giltay, E. J., van der Does, A. J. W., Geleijnse, J. M., Antypa, N., Penninx, B. W. J. H., de Geus, E.J., Willemsen, G., Boomsma, D.I., van Leeuwen, N., Zitman, F.G., de Kloet, E.R., & DeRijk, R. H. (2011b). A common and functional mineralocorticoid receptor haplotype enhances optimism and protects against depression in females. *Translational psychiatry*, 1, e62.
- Klok, M. D., Vreeburg, S. A., Penninx, B. W. J. H., Zitman, F. G., de Kloet, E. R., & DeRijk, R. H. (2011c). Common functional mineralocorticoid receptor polymorphisms modulate the cortisol awakening response: Interaction with SSRIs. *Psychoneuroendocrinology*, 36(4), 484-494.
- Klok, M., Giltay, E., van der Does, A., Geleijnse, J., Antypa, N., Penninx, B., de Geus, E., Willemsen, G., Boomsma, D., van Leeuwen, N., Zitman, F., de Kloet, R., DeRijk, R. (2011a). A common and functional mineralocorticoid receptor haplotype enhances optimism and protects against depression in females. *Translational psychiatry*, 1, 1-8.
- Klok, M.D., Alt, S.R., Irurzun Lafitte, A.J., Turner, J.D., Lakke, E.A., Huitinga, I., Muller, C.P., Zitman, F.G., de Kloet, E.R. & Derijk, R.H. (2011a). Decreased expression of mineralocorticoid receptor mRNA and its splice variants in postmortem brain regions of patients with major depressive disorder. *Journal of psychiatric research*, 45, 871-878.
- Knyazev, G. G. (2007). Motivation, emotion, and their inhibitory control mirrored in brain oscillations. *Neuroscience & biobehavioral reviews*, 31(3), 377-395.
- Knyazev, G. G., & Slobodskaya, H. R. (2003). Personality trait of behavioral inhibition is associated with oscillatory systems reciprocal relationships. *International journal of psychophysiology*, 48(3), 247-261.
- Kornstein, S.G. & Clayton, A.H. (eds) (2002). *Women's health*. First Ed. Guilford Press, New York, USA.
- Korte, S. M., De Boer, S. F., De Kloet, E. R., & Bohus, B. (1995). Anxiolytic-like effects of selective mineralocorticoid and glucocorticoid antagonists on fear-enhanced behavior in the elevated plus-maze. *Psychoneuroendocrinology*, 20(4), 385-39
- Krattenmacher, R. (2000). Drospirenone: pharmacology and pharmacokinetics of a unique progestogen. *Contraception*, 62(1), 29-38.
- Krause-Utz, A., Oei, N. Y., Niedtfeld, I., Bohus, M., Spinhoven, P., Schmahl, C., & Elzinga, B. M. (2012). Influence of emotional distraction on working memory performance in borderline personality disorder. *Psychological medicine*, 42(10), 2181.

- Kruijt, A. W., Antypa, N., Booij, L., de Jong, P. J., Glashouwer, K., Penninx, B. W., & Van der Does, W. (2013). Cognitive reactivity, implicit associations, and the incidence of depression: a two-year prospective study. *Plos one*, 8(7), e70245.
- Kruk, M. R., Haller, J., Meelis, W., & de Kloet, E. R. (2013). Mineralocorticoid receptor blockade during a rat's first violent encounter inhibits its subsequent propensity for violence. *Behavioral neuroscience*, 127(4), 505.
- Kudielka, B.M. & Kirschbaum, C. (2005). Sex differences in HPA axis responses to stress: a review. *Biological psychology*, 69, 113-132.
- Kuehner, C., & Weber, I. (1999). Responses to depression in unipolar depressed patients: An investigation of Nolen-Hoeksema's response styles theory. *Psychological medicine*, 29(6), 1323-1333.
- Kulkarni, J. (2007). Depression as a side effect of the contraceptive pill. *Expert opinion on drug safety*, 6(4), 371-374.
- Kumsta, R., Kliegel, D., Linden, M., DeRijk, R., & de Kloet, E. R. (2019). Genetic variation of the mineralocorticoid receptor gene (MR, NR3C2) is associated with a conceptual endophenotype of "CRF-hypoactivity". *Psychoneuroendocrinology*, 105, 79-85.
- Kuningas, M., De Rijk, R. H., Westendorp, R. G., Jolles, J., Slagboom, P. E., & Van Heemst, D. (2007). Mental performance in old age dependent on cortisol and genetic variance in the mineralocorticoid and glucocorticoid receptors. *Neuropsychopharmacology*, 32(6), 1295-1301.
- Kurver, M., Van Der Wijden, C., & Burgers, J. (2012). Summary of the Dutch College of General Practitioners' practice guideline 'Contraception'. *Nederlands tijdschrift voor geneeskunde*, 156(41), A5083.
- Kutner, S. & Brown, W. (1972). Types of oral contraceptives, depression and premenstrual symptoms. *Journal of nervous and mental disease*, 155, 153-162.

L

- Lang, P.J., Bradley, M.M. & Cuthbert, B.N. (2005). International Affective Picture System (IPS): digitized photographs, instruction manual and affective ratings. *Technical report A-6*, Gainesville: University of Florida.
- Lawrie, T., Helmerhorst, F., Maitra, N., Kulier, R., Bloemenkamp, K., & Glmezoglu, A. (2004). Types of progestogens in combined oral contraception: Effectiveness and side-effects. *Cochrane fertility regulation group*, (3), CD004861.
- Lebron-Milad, K., & Milad, M. R. (2012). Sex differences, gonadal hormones and the fear extinction network: implications for anxiety disorders. *Biology of mood & anxiety disorders*, 2(1), 3.
- Lethaby, A., Hogervorst, E., Richards, M., Yesufu, A., & Yaffe, K. (2008). Hormone replacement therapy for cognitive function in postmenopausal women. *Cochrane database of systematic reviews*, (1).
- Liao, P. V., & Dollin, J. (2012). Half a century of the oral contraceptive pill: historical review and view to the future. *Canadian family physician*, 58(12), e757-e760.
- Lisofsky, N., Riediger, M., Gallinat, J., Lindenberger, U. & Kuhn, S., (2016). Hormonal contraceptive use is associated with neural and affective changes in healthy young women. *Neuroimage*, 134, 597-606.
- Little, A. C., Burriss, R. P., Petrie, M., Jones, B. C., & Roberts, S. C. (2013). Oral contraceptive use in women changes preferences for male facial masculinity and is associated with partner facial masculinity. *Psychoneuroendocrinology*, 38(9), 1777-1785.
- Lösel, R. M., & Wehling, M. (2008). Classic versus non-classic receptors for nongenomic mineralocorticoid responses: emerging evidence. *Frontiers in neuroendocrinology*, 29(2), 258-267.

- Lu, N. Z., Wardell, S. E., Burnstein, K. L., Defranco, D., Fuller, P. J., Giguere, V., ... & Wilson, E. M. (2006). International Union of Pharmacology. LXV. The pharmacology and classification of the nuclear receptor superfamily: glucocorticoid, mineralocorticoid, progesterone, and androgen receptors. *Pharmacological reviews*, 58(4), 782-797.
- Lupien, S. J., McEwen, B. S., Gunnar, M. R., & Heim, C. (2009). Effects of stress throughout the lifespan on the brain, behaviour and cognition. *Nature reviews neuroscience*, 10(6), 434-445.
- ## M
- Macoveanu, J., Henningsson, S., Pinborg, A., Jensen, P., Knudsen, G., Frokjaer, V., & Siebner, H. (2016). Sex-steroid hormone manipulation reduces brain response to reward. *Neuropsychopharmacology*, 41(4), 1057-1065.
- Mallareddy, M., Hanes, V., & White, W. B. (2007). Drospirenone, a new progestogen, for postmenopausal women with hypertension. *Drugs & aging*, 24(6), 453-466.
- Maner, J. K., & Miller, S. L. (2014). Hormones and social monitoring: Menstrual cycle shifts in progesterone underlie women's sensitivity to social information. *Evolution and human behavior*, 35(1), 9-16.
- Maner, J. K., Miller, S. L., Schmidt, N. B., & Eckel, L. A. (2010). The endocrinology of exclusion: Rejection elicits motivationally tuned changes in progesterone. *Psychological science*, 21(4), 581-588.
- Marcus, S.M., Kerber, K.B., Rush, A.J., ... Trivedi (2008). Sex differences in depression symptoms in treatment-seeking adults: confirmatory analyses from the sequenced treatment alternatives to relieve depression study. *Comprehensive psychiatry*, 49(3), 238-246.
- Marjoribanks, J., Brown, J., O'Brien, P., & Wyatt, K. (2013). Selective serotonin reuptake inhibitors for premenstrual syndrome. *Cochrane database of systematic reviews*, 2013(6), CD001396.
- Massar, S. A., Kenemans, J. L., & Schutter, D. J. (2014). Resting-state EEG theta activity and risk learning: sensitivity to reward or punishment? *International journal of psychophysiology*, 91(3), 172-177.
- Matthews, G. (2016). Distress. In *Stress: Concepts, cognition, emotion, and behavior* (pp. 219-226). Academic Press.
- Matthews, G., Deary, I. J., & Whiteman, M. C. (2003). *Personality traits*. Cambridge University Press.
- McCambridge, J., Witton, J., & Elbourne, D. R. (2014). Systematic review of the Hawthorne effect: new concepts are needed to study research participation effects. *Journal of clinical epidemiology*, 67(3), 267-277.
- McCarney, R., Warner, J., Iliffe, S., Van Haselen, R., Griffin, M., & Fisher, P. (2007). The Hawthorne Effect: a randomised, controlled trial. *BMC medical research methodology*, 7(1), 30.
- Mccarthy, G., Puce, A., Gore, J., Truett, T. (1997). Face-specific processing in the human fusiform gyrus. *Journal of cognitive neuroscience*, 9(5), 605-610.
- McCrae, R. R., & Costa, P. T. (1987). Validation of the five-factor model of personality across instruments and observers. *Journal of personality and social psychology*, 52(1), 81.
- McEwen, B. (2002). Estrogen actions throughout the brain. *Recent progress in hormone research*, 57, 357-384.
- McEwen, B. S. (2014). Sex, stress and the brain: interactive actions of hormones on the developing and adult brain. *Climacteric*, 17(sup2), 18-25.
- McEwen, B. S. (2016). Central role of the brain in stress and adaptation: Allostasis, biological embedding, and cumulative change. In *Stress: concepts, cognition, emotion, and behavior* (pp. 39-55). Academic Press.

- McEwen, B. S., & Alves, S. E. (1999). Estrogen actions in the central nervous system. *Endocrine reviews*, 20(3), 279-307.
- McEwen, B. S., Akama, K. T., Spencer-Segal, J. L., Milner, T. A., & Waters, E. M. (2012). Estrogen effects on the brain: actions beyond the hypothalamus via novel mechanisms. *Behavioral neuroscience*, 126(1), 4.
- McEwen, B., Gray, J., & Nasca, C. (2015). 60 Years of neuroendocrinology: Redefining neuroendocrinology: stress, sex and cognitive and emotional regulation. *Journal of endocrinology*, 226(2), T67-T83.
- McVay, M. A., Copeland, A. L., & Geiselman, P. J. (2011). Eating disorder pathology and menstrual cycle fluctuations in eating variables in oral contraceptive users and non-users. *Eating behaviors*, 12(1), 49-55.
- Medina, A., Seasholtz, A. F., Sharma, V., Burke, S., Bunney, W., Myers, R.M ... Watson, S. J. (2012). Glucocorticoid and mineralocorticoid receptor expression in the human hippocampus in major depressive disorder. *Journal of psychiatric research*, 47(3), 307-314.
- Mehta, D., Newport, D.J., Frishman, G., Kraus, L., Rex- Haffner, M., Ritchie, J.C., Lori, A., Knight, B.T., Stagnaro, E., Ruepp, A., Stowe, Z.N. & Binder, E.B. (2014). Early predictive biomarkers for postpartum depression point to a role for estrogen receptor signaling. *Psychological medicine*, 44, 2309-2322.
- Mehta, D., Rex-Haffner, M., Søndergaard, H. B., Pinborg, A., Binder, E., & Frokjaer, V. G. (2019). Biological changes in a pharmacologically-induced depression model confirm the role of estrogen sensitivity in perinatal depression. *European neuropsychopharmacology*, 29, S45-S46.
- Milad, M., Zeidan, M., Contero, A., Pitman, R., Klibanski, A., Rauch, S., Goldstein, J. (2010). The influence of gonadal hormones on conditioned fear extinction in healthy humans. *Neuroscience*, 168, 652- 658.
- Milak, M. S., Parsey, R. V., Keilp, J., Oquendo, M. A., Malone, K. M., & Mann, J. J. (2005). Neuroanatomic correlates of psychopathologic components of major depressive disorder. *Archives of general psychiatry*, 62(4), 397-408.
- Milders, M., Bell, S., Platt, J., Serrano, R., & Runcie, O. (2010). Stable expression recognition abnormalities in unipolar depression. *Psychiatry research*, 179(1), 38-42.
- Miller, E. K. (2000). The prefrontal cortex and cognitive control. *Nature reviews neuroscience*, 1(1), 59.
- Mitchell, V. E., & Welling, L. L. (2020). Not all progestins are created equally: considering unique progestins individually in psychobehavioral research. *Adaptive human behavior and physiology*, 6(1), 1-32.
- Mogg, K. & Bradley, B.P. (2016). Anxiety and attention to threat: Cognitive mechanisms and treatment with attention bias modification. *Behaviour research and therapy*, 87, 76-108.
- Montoya, E. R., & Bos, P. A. (2017). How oral contraceptives impact social-emotional behavior and brain function. *Trends in cognitive sciences*, 21(2), 125-136.
- Moos, R. H. (1968). The development of a menstrual distress questionnaire. *Psychosomatic medicine*, 30(6), 853-867.
- Mordecai, Rubin, & Maki. (2008). Effects of menstrual cycle phase and oral contraceptive use on verbal memory. *Hormones and behavior*, 54(2), 286-293.
- Morrison, A. S., Brozovich, F. A., Lakhan-Pal, S., Jazaieri, H., Goldin, P. R., Heimberg, R. G., & Gross, J. J. (2016). Attentional blink impairment in social anxiety disorder: Depression comorbidity matters. *Journal of behavior therapy and experimental psychiatry*, 50, 209-214.
- Mukherjee, S. (2016). *The gene, an intimate history*. Scribner, New York.

Murphy, F. C., Rubinsztein, J. S., Michael, A., Rogers, R. D., Robbins, T. W., Paykel, E. S., & Sahakian, B. J. (2001). Decision-making cognition in mania and depression. *Psychological medicine*, 31(4), 679.

N

Nielsen, S. E., Segal, S. K., Worden, I. V., Yim, I. S., & Cahill, L. (2013). Hormonal contraception use alters stress responses and emotional memory. *Biological psychology*, 92(2), 257-266.

Nolen-Hoeksema S. (1995). Epidemiology and theories of gender differences in unipolar depression. In: Seeman, M.V., ed. *Gender and psychopathology*. Washington: American Psychiatric Press.

Nolen-Hoeksema, S. (1991). Responses to depression and their effects on the duration of depressive episodes. *Journal of abnormal psychology*, 100(4), 569.

Nolen-Hoeksema, S. (2012). Emotion regulation and psychopathology: The role of gender. *Annual review of clinical psychology*, 8, 161-187.

O

Ochsner, K. N. & Gross, J. J. (2014). Chapter 2: The neural bases of emotion and emotion regulation: a valuation perspective. In: *Handbook of emotion regulation*. Second edition. Guilford publications, New York.

Ochsner, K. N., & Gross, J. J. (2005). The cognitive control of emotion. *Trends in cognitive sciences*, 9(5), 242-249.

Ochsner, K. N., Silvers, J. A., & Buhle, J. T. (2012). Functional imaging studies of emotion regulation: a synthetic review and evolving model of the cognitive control of emotion. *Annals of the new york academy of sciences*, 1251, E1.

Oelkers, W. (2002). Antimineralocorticoid activity of a novel oral contraceptive containing drospirenone, a unique progestogen resembling natural progesterone. *The european journal of contraception & reproductive health care*, 7, 19-26.

Oinonen, K. & Mazmanian, D. (2002) To what extent do oral contraceptives influence mood and affect? *Journal of affective disorders*, 70, 229-240.

Oitzl, M. S., & De Kloet, E. R. (1992). Selective corticosteroid antagonists modulate specific aspects of spatial orientation learning. *Behavioral neuroscience*, 106(1), 62.

Oliver, M. N., & Simons, J. S. (2004). The affective lability scales: Development of a short-form measure. *Personality and individual differences*, 37(6), 1279-1288.

Opmeer, E. M. (2013). *Linking depression: longitudinal and neuroimaging genetic studies in major depressive disorder*. (Doctoral dissertation, Groningen University, The Netherlands).

Osório, F.L., de Paula Cassis, J.M., Machado de Sousa, J.P., Poli-Neto, O. & Martín-Santos, R. (2018) Sex hormones and processing of facial expressions of emotion: a systematic literature review. *Frontiers in psychology*, (9)529, 1-14.

Ossewaarde, L., Hermans, E. J., van Wingen, G. A., Kooijman, S. C., Johansson, I. M., Bäckström, T., & Fernández, G. (2010). Neural mechanisms underlying changes in stress-sensitivity across the menstrual cycle. *Psychoneuroendocrinology*, 35(1), 47-55.

Ossewaarde, L., Van Wingen, G. A., Kooijman, S. C., Bäckström, T., Fernández, G., & Hermans, E. J. (2011). Changes in functioning of mesolimbic incentive processing circuits during the premenstrual phase. *Social cognitive and affective neuroscience*, 6(5), 612-620.

Ott, M. A., Shew, M. L., Ofner, S., Tu, W., & Fortenberry, J. D. (2008). The influence of hormonal contraception on mood and sexual interest among adolescents. *Archives of sexual behavior*, 37, 605-613.

- Ottaviani, C., Shahabi, L., Tarvainen, M., Cook, I., Abrams, M., & Shapiro, D. (2015). Cognitive, behavioral, and autonomic correlates of mind wandering and perseverative cognition in major depression. *Frontiers in neuroscience*, 8, 433.
- Otte, C., Hinkelmann, K., Moritz, S., Yassouridis, A., Jahn, H., Wiedemann, K., & Kellner, M. (2010). Modulation of the mineralocorticoid receptor as add-on treatment in depression: a randomized, double-blind, placebo-controlled proof-of-concept study. *Journal of psychiatric research*, 44(6), 339-346.
- Otte, C., Moritz, S., Yassouridis, A., Koop, M., Madrischewski, A. M., Wiedemann, K., & Kellner, M. (2007). Blockade of the mineralocorticoid receptor in healthy men: effects on experimentally induced panic symptoms, stress hormones, and cognition. *Neuropsychopharmacology*, 32(1), 232-238.
- Otte, C., Wingenfeld, K., Kuehl, L. K., Kaczmarczyk, M., Richter, S., Quante, A., ... & Hinkelmann, K. (2015). Mineralocorticoid receptor stimulation improves cognitive function and decreases cortisol secretion in depressed patients and healthy individuals. *Neuropsychopharmacology*, 40(2), 386-393.
- Ottowitz, W. E., Derro, D., Dougherty, D. D., Lindquist, M. A., Fischman, A. J., & Hall, J. E. (2008). Analysis of amygdalar-cortical network covariance during pre-versus post-menopausal estrogen levels: potential relevance to resting state networks, mood, and cognition. *Neuro endocrinology letters*, 29(4), 467.

P

- Pahnke, R., Mau-Moeller, A., Junge, M., Wendt, J., Weymar, M., Hamm, A. & Lischke, A. (2019) Oral contraceptives impair complex emotion recognition in healthy women. *Frontiers in neuroscience*, 12, 1041.
- Patchev, V.K., Shoaib, M., Holsboer, F., Almeida, O. (1994). The neurosteroid tetra-hydroprogesterone counteracts corticotropin-releasing hormone-induced anxiety and alters the release and gene expression of corticotropin-releasing hormone in the rat hypothalamus. *Neuroscience*, 62, 265 -271.
- Payne, J. L., Palmer, J. T. & Joffe, H. (2009). A reproductive subtype of depression: conceptualizing models and moving toward etiology. *Harvard review of psychiatry*, 17(2), 72-86.
- Pearlstein, T., Yonkers, K.A., Fayyad, R., & Gillespie, J.A. (2005). Pretreatment pattern of symptom expression in premenstrual dysphoric disorder. *Journal of affective disorders*, 3, 272-282.
- Pearson, R. M., Lightman, S. L., & Evans, J. (2009). Emotional sensitivity for motherhood: late pregnancy is associated with enhanced accuracy to encode emotional faces. *Hormones and behavior*, 56(5), 557-563.
- Peper, J. S., van den Heuvel, M. P., Mandl, R. C., Pol, H. E. H., & van Honk, J. (2011). Sex steroids and connectivity in the human brain: a review of neuroimaging studies. *Psychoneuroendocrinology*, 36(8), 1101-1113.
- Petersen, N., Kilpatrick, L. A., Goharзад, A., & Cahill, L. (2014). Oral contraceptive pill use and menstrual cycle phase are associated with altered resting state functional connectivity. *Neuroimage*, 90, 24-32.
- Plath, S. (1972). *The bell jar* (1963). London: Faber & Faber.
- Pletzer, B. A., & Kerschbaum, H. H. (2014). 50 years of hormonal contraception – time to find out, what it does to our brain. *Frontiers in neuroscience*, 8, 256.
- Pletzer, B., Kronbichler, M., & Kerschbaum, H. (2015). Differential effects of androgenic and anti-androgenic progestins on fusiform and frontal gray matter volume and face recognition performance. *Brain research*, 1596, 108-115.
- Pletzer, B., Kronbichler, M., Aichhorn, M., Bergmann, J., Ladurner, G., Kerschbaum, H. (2010). Menstrual cycle and hormonal contraceptive use modulate human brain structure. *Brain research*, 1348, 55-62.

- Pletzer, B., Kronbichler, M., Nuerk, H. C., & Kerschbaum, H. (2014). Hormonal contraceptives masculinize brain activation patterns in the absence of behavioral changes in two numerical tasks. *Brain research*, 1543, 128-142.
- Plotsky, P. M., Owens, M. J., & Nemeroff, C. B. (1998). Psychoneuroendocrinology of depression: hypothalamic-pituitary-adrenal axis. *Psychiatric clinics of north america*, 21, 293-307.
- Poromaa, I. S., & Segebladh, B. (2012). Adverse mood symptoms with oral contraceptives. *Acta obstetrica et gynecologica scandinavica*, 91(4), 420-427.
- Putman, P., van Peer, J., Maimari, I. & van der Werff, S. (2010). EEG theta/beta ratio in relation to fear-modulated response-inhibition, attentional control, and affective traits. *Biological Psychology*, 83, 73-78.
- Putman, P., Verkuil, B., Arias-García, E., Pantazi, I., & van Schie, C. (2014). EEG theta/beta ratio as a potential biomarker for attentional control and resilience against deleterious effects of stress on attention. *Cognitive, affective, & behavioral neuroscience*, 14(2), 782-791.
- Putnam, K. T., Harris, W. W., & Putnam, F. W. (2013). Synergistic childhood adversities and complex adult psychopathology. *Journal of traumatic stress*, 26(4), 435-442.

Q

- Quinkler, M., & Diederich, S. (2002). Difference of in vivo and in vitro antiminerlocorticoid potency of progesterone. *Endocrine research*, 28(4), 465-470.
- Quinkler, M., Meyer, B., Bumke-Vogt, C., Grossmann, C., Gruber, U., Oelkers, W., & Bähr, V. (2002). Agonistic and antagonistic properties of progesterone metabolites at the human mineralocorticoid receptor. *European journal of endocrinology*, 146(6), 789-800.
- Quinkler, M., Meyer, B., Bumke-Vogt, C., Grossmann, C., Gruber, U., Oelkers, W., ... & Bahr, V. (2002). Agonistic and antagonistic properties of progesterone metabolites at the human mineralocorticoid receptor. *European journal of endocrinology*, 146(6), 789-799.
- Quirin, M., Kazén, M., & Kuhl, J. (2009). When nonsense sounds happy or helpless: the implicit positive and negative affect test (IPANAT). *Journal of personality and social psychology*, 97(3), 500.

R

- Raadsheer, F. C., Hoogendijk, W. J., Stam, F. C., Tilders, F. J., & Swaab, D. F. (1994). Increased numbers of corticotropin-releasing hormone expressing neurons in the hypothalamic paraventricular nucleus of depressed patients. *Neuroendocrinology*, 60(4), 436-444.
- Raap, D., DonCarlos, L., Garcia, F., Muma, N., Wolf, W., ... & Battaglia, G. (2000). Estrogen desensitizes 5-HT(1A) receptors and reduces levels of G(z), G(i1) and G(i3) proteins in the hypothalamus. *Neuropharmacology*, 39, 1823-1832.
- Rachman, S. (2004). *Anxiety* (2nd ed., Clinical Psychology. 175563357). Hove [etc.]: Psychology Press.
- Radke, & Derntl. (2016). Affective responsiveness is influenced by intake of oral contraceptives. *European neuropsychopharmacology*, 26(6), 1014-1019.
- Raymer, K. A., Waters, R. F., & Price, C. R. (2005). Proposed multigenic composite inheritance in major depression. *Medical hypotheses*, 65(1), 158-172.
- Reul, J. M & De Kloet, E.R. (1985). Two receptor systems for corticosterone in rat brain: microdistribution and differential occupation. *Endocrinology*, 117(6), 2505-2511.
- Ritter, D. (2003). Effects of menstrual cycle phase on reporting levels of aggression using the Buss and Perry Aggression Questionnaire. *Aggression and behavior*, 29, 531-538.

- Rivera, R., Yacobson, I., & Grimes, D. (1999). The mechanism of action of hormonal contraceptives and intrauterine contraceptive devices. *American journal of obstetrics and gynecology*, 181(5), 1263-1269.
- Robakis, T. K., Holtzman, J., Stemmler, P. G., Reynolds-May, M. F., Kenna, H. A., & Rasgon, N. L. (2015). Lamotrigine and GABAA receptor modulators interact with menstrual cycle phase and oral contraceptives to regulate mood in women with bipolar disorder. *Journal of affective disorders*, 175, 108-115.
- Rogers, R. D., Tunbridge, E. M., Bhagwagar, Z., Drevets, W. C., Sahakian, B. J., & Carter, C. S. (2003). Tryptophan depletion alters the decision-making of healthy volunteers through altered processing of reward cues. *Neuropsychopharmacology*, 28(1), 153-162.
- Rohleder N, Schommer NC, Hellhammer DH, Engel R, & Kirschbaum C. (2001). Sex differences in glucocorticoid sensitivity of proinflammatory cytokine production after psychosocial stress. *Psychosomatic medicine*, 63, 966-972.
- Roos, A., Lochner, C., Kidd, M., van Honk, J., Vythilingum, B., & Stein, D. J. (2012). Selective attention to fearful faces during pregnancy. *Progress in neuro-psychopharmacology and biological psychiatry*, 37(1), 76-80.
- Rovaris, D. L., Mota, N. R., Bertuzzi, G. P., Aroche, A. P., Callegari-Jacques, S. M., Guimarães, L. S., ... & Grassi-Oliveira, R. (2015). Corticosteroid receptor genes and childhood neglect influence susceptibility to crack/cocaine addiction and response to detoxification treatment. *Journal of psychiatric research*, 68, 83-90.
- Rozeboom, A. M., Akil, H., & Seasholtz, A. F. (2007). Mineralocorticoid receptor overexpression in forebrain decreases anxiety-like behavior and alters the stress response in mice. *Proceedings of the national academy of sciences*, 104(11), 4688-4693.
- Rudolph, K.D., Hammen, C., Burge, D. (1994). Interpersonal functioning and depressive symptoms in childhood: addressing the issues of specificity and comorbidity. *Journal of abnormal child psychology*, 22, 355-371.

S

- Sacher, J., Okon-Singer, H., & Villringer, A. (2013). Evidence from neuroimaging for the role of the menstrual cycle in the interplay of emotion and cognition. *Frontiers in human neuroscience*, 7, 374.
- Sapolsky, R. M. (2004). *Why zebras don't get ulcers: The acclaimed guide to stress, stress-related diseases, and coping-now revised and updated*. Holt paperbacks.
- Sarubin, N., Hilbert, S., Naumann, F., Zill, P., Wimmer, A., Nothdurfter, C. & Schüle, M. (2017). The sex-dependent role of the glucocorticoid receptor in depression: Variations in the NR3C1 gene are associated with major depressive disorder in women but not in men. *European archives of psychiatry and clinical neuroscience*, 267(2), 123-133.
- Schaffir, J., Worly, B. L., & Gur, T. L. (2016). Combined hormonal contraception and its effects on mood: a critical review. *The european journal of contraception & reproductive health care*, 21(5), 347-355.
- Schmidt, P., Nieman, L., Danaceau, M., Adams, L., & Rubinow, D. (1998). Differential behavioral effects of gonadal steroids in women with and in those without premenstrual syndrome. *The new England journal of medicine*, 338(4), 209-216.
- Schultheiss, O. C., Dargel, A., & Rohde, W. (2003). Implicit motives and gonadal steroid hormones: Effects of menstrual cycle phase, oral contraceptive use, and relationship status. *Hormones and behavior*, 43(2), 293-301.
- Schutter, D. J., & Van Honk, J. (2005). Electrophysiological ratio markers for the balance between reward and punishment. *Cognitive brain research*, 24(3), 685-690.

- Schwabe, L., Schächinger, H., de Kloet, E. R., & Oitzl, M. S. (2010). Corticosteroids operate as a switch between memory systems. *Journal of cognitive neuroscience*, 22(7), 1362-1372.
- Schwabe, L., Tegenthoff, M., Höffken, O., & Wolf, O. T. (2013). Mineralocorticoid receptor blockade prevents stress-induced modulation of multiple memory systems in the human brain. *Biological psychiatry*, 74(11), 801-808.
- Segerstrom, S. C. (2001). Optimism and attentional bias for negative and positive stimuli. *Personality and social psychology bulletin*, 27(10), 1334-1343.
- Sheehan, D., Lecrubier, Y., Sheehan, K., Amarim, P., Janavs, J., Weiller, E., Hergueta, T., Baker, R., Dunbar, G. (1998). 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. *Journal of clinical psychiatry*, 59, Suppl 20, 22-33.
- Shiffman, S., Stone, A. A. & Hufford, M. R. (2008). Ecological momentary assessment. *Annual Reviews on Clinical Psychology*, 4, 1-32.
- Shirazi, T. N., Rosenfield, K. A., Cárdenas, R. A., Breedlove, S. M., & Puts, D. A. (2020). No evidence that hormonal contraceptive use or circulating sex steroids predict complex emotion recognition. *Hormones and behavior*, 119, 104647.
- Shull, A., Mayer, S. E., McGinnis, E., Geiss, E., Vargas, I., & Lopez-Duran, N. L. (2016). Trait and state rumination interact to prolong cortisol activation to psychosocial stress in females. *Psychoneuroendocrinology*, 74, 324-332.
- Siegel A, Sapru H. (2011). *Essential Neuroscience*, Second Edition, Lippincott Williams & Wilkins, Baltimore: USA.
- Singer, W. (1993). Synchronization of cortical activity and its putative role in information processing and learning. *Annual review of physiology*, 55(1), 349-374.
- Sitruk-Ware, R. (2005). New progestagens for contraceptive use. *Human reproduction update*, 12(2), 169-178.
- Sitruk-Ware, R. (2005). Pharmacology of different progestogens: the special case of drospirenone. *Climacteric*, 8(sup3), 4-12.
- Skovlund, C. W., Mørch, L. S., Kessing, L. V., & Lidegaard, Ø. (2016). Association of hormonal contraception with depression. *JAMA psychiatry*, 73(11), 1154-1162.
- Slagter, H.A., Tomer, R., Christian, B.T., Fox, A.S., Colzato, L.S., King, C.R., ... & Davidson, R.J. (2012). PET evidence for a role for striatal dopamine in the attentional blink: Functional implications. *Journal of cognitive neuroscience*, 24(9), 1932-1940.
- Smith, R., & Lane, R. D. (2016). Unconscious emotion: A cognitive neuroscientific perspective. *Neuroscience & biobehavioral reviews*, 69, 216-238.
- Soares, C. N., & Zitek, B. (2008). Reproductive hormone sensitivity and risk for depression across the female life cycle: a continuum of vulnerability? *Journal of psychiatry & neuroscience*, 4, 331-343.
- Solberg Nes, L. S. (2016). Optimism, pessimism, and stress. In *Stress: concepts, cognition, emotion, and behavior* (pp. 405-411). Academic Press.
- Solis, E, Antypa, N., Conijn, J., Kelderman H., Van der Does, W. (2017). Psychometric properties of the Leiden Index of Depression Sensitivity (LEIDS). *Psychological Assessment*, 29(2), 158.
- Solis-Ortiz, S., Ramos, J., Arce, C., Guevara, M. A., & Corsi-Cabrera, M. (1994). EEG oscillations during menstrual cycle. *International journal of neuroscience*, 76(3-4), 279-292.
- Solis, E., Antypa, N., Conijn, J. M., Kelderman, H., & Van Der Does, W. (2016). Psychometric properties of the Leiden index of depression. *Psychological assessment. Advance online publication*.

- Solomon, A. (2001). *The Noonday Demon*. An atlas of depression. Scribner, New York, NY.
- Sommer, T., Richter, K., Singer, F., Derntl, B., Rune, G., Diekhof, E., & Bayer, J. (2018). Effects of the experimental administration of oral estrogen on prefrontal functions in healthy young women. *Psychopharmacology*, 235(12), 3465-3477.
- Stahl, M. (2013). Antidepressants. In *Stahl's essential psychopharmacology*. Neuroscientific basis and practical application. Cambridge University Press. New York.
- Stanczyk, F. Z. (2003). All progestins are not created equal. *Steroids*, 68(10-13), 879-890.
- Stanczyk, F. Z., Hapgood, J. P., Winer, S., & Mishell Jr, D. R. (2013). Progestogens used in postmenopausal hormone therapy: differences in their pharmacological properties, intracellular actions, and clinical effects. *Endocrine reviews*, 34(2), 171-208.
- Stanton, S. J., Liening, S. H., & Schultheiss, O. C. (2011). Testosterone is positively associated with risk taking in the Iowa Gambling Task. *Hormones and behavior*, 59(2), 252-256.
- Sundström Poromaa, I., & Gingnell, M. (2014). Menstrual cycle influence on cognitive function and emotion processing—from a reproductive perspective. *Frontiers in neuroscience*, 8, 380, 1-16.
- Sundström-Poromaa, I & Segebladh, B. (2012). Adverse mood effects with oral contraceptives. *Acta obstetricia et gynecologica Scandinavica*, 91, 420-427.
- Sundström-Poromaa, I. (2018). The menstrual cycle influences emotion but has limited effect on cognitive function. *Vitamins and hormones*, 107, 349-376.
- Suslow, T., Ihme, K., Quirin, M., Lichev, V., Rosenberg, N., Bauer, J., ... & Lobsien, D. (2015). Implicit affectivity and rapid processing of affective body language: an fMRI study. *Scandinavian journal of psychology*, 56(5), 545-552.
- Svendal, G., Berk, M., Pasco, J. A., Jacka, F. N., Lund, A., Williams, L. J. (2012). The use of hormonal contraceptive agents and mood disorders in women. *Journal of affective disorders*, 140(1), 92-96.

T

- Tabachnick, B. G., Fidell, L. S., & Ullman, J. B. (2007). *Using multivariate statistics*. Boston, MA: Pearson.
- Teasdale, J. D. (1997). The relationship between cognition and emotion: The mind-in-place in mood disorders. In D. M. Clark & C. G. Fairburn (Eds.), *Science and practice of cognitive behaviour therapy* (p. 67-93). Oxford University Press.
- Teatero, M. L., Mazmanian, D., & Sharma, V. (2014). Effects of the menstrual cycle on bipolar disorder. *Bipolar disorders*, 16(1), 22-36.
- Ter Heegde, F., De Rijk, R. H., & Vinkers, C. H. (2015). The brain mineralocorticoid receptor and stress resilience. *Psychoneuroendocrinology*, 52, 92-110.
- Ter Horst, J. P., Carobrez, A. P., Van Der Mark, M. H., De Kloet, E. R., & Oitzl, M. S. (2012). Sex differences in fear memory and extinction of mice with forebrain-specific disruption of the mineralocorticoid receptor. *European journal of neuroscience*, 36(8), 3096-3102.
- Ter Horst, J. P., Kentrop, J., Arp, M., Hubens, C. J., de Kloet, E. R., & Oitzl, M. S. (2013). Spatial learning of female mice: a role of the mineralocorticoid receptor during stress and the estrous cycle. *Frontiers in behavioral neuroscience*, 7, 56.
- Terburg, D., Aarts, H., & van Honk, J. (2012). Testosterone affects gaze aversion from angry faces outside of conscious awareness. *Psychological science*, 23(5), 459-463.
- Thayer, R. E., Newman, J. R., & McClain, T. M. (1994). Self-regulation of mood: Strategies for changing a bad mood, raising energy, and reducing tension. *Journal of personality and social psychology*, 67(5), 910.

- Thomas, J. M., Higgs, S., & Dourish, C. T. (2016). Test–retest reliability and effects of repeated testing and satiety on performance of an Emotional Test Battery. *Journal of clinical and experimental neuropsychology*, 38(4), 416-433.
- Thomas, L. A., De Bellis, M. D., Graham, R., & LaBar, K. S. (2007). Development of emotional facial recognition in late childhood and adolescence. *Developmental science*, 10(5), 547-558.
- Toffol, E., Heikinheimo, O., Koponen, P., Luoto, R., & Partonen, T. (2012). Further evidence for lack of negative associations between hormonal contraception and mental health. *Contraception*, 86(5), 470-480.
- Tops, M. & Wijers, A.A. (2011). Letter to the editor Re: “The effect of cortisol on emotional responses depends on order of cortisol and placebo administration in a within-subject design” by Wirth et al. *Psychoneuroendocrinology*, 36, 1097-1099.
- Tops, M., Huffmeijer, R., Linting, M., Grewen, K.M., Light, K.C., Koole, S.L., Bakermans-Kranenburg, M.J. & van IJzendoorn, M.H. (2013). The role of oxytocin in familiarization-habituation responses to social novelty. *Frontiers in Psychology*, 4, 761.
- Tortella-Feliu, M., Morillas-Romero, A., Balle, M., Llabrés, J., Bornas, X., & Putman, P. (2014). Spontaneous EEG activity and spontaneous emotion regulation. *International journal of psychophysiology*, 94(3), 365-372.
- Trussell, J., & Kost, K. (1987). Contraceptive failure in the United States: a critical review of the literature. *Studies in family planning*, 18(5), 237-283.
- U**
- Upton, D. J., Bishara, A. J., Ahn, W. Y., & Stout, J. C. (2011). Propensity for risk taking and trait impulsivity in the Iowa Gambling Task. *Personality and individual differences*, 50(4), 492-495.
- V**
- Van de Kar, L. & Blair M. (1999). Forebrain pathways mediating stress-induced hormone secretion. *Frontiers in neuroendocrinology*, 20, 1-48.
- Van den Broeck (2014). *De echte vader van de pil. Het verhaal van de man die de vrouw bevrijdde*. De Bezige Bij, Antwerpen.
- Van der Does, W. (2002). Cognitive reactivity to sad mood: structure and validity of a new measure. *Behaviour research and therapy*, 40(1), 105-119.
- Van der Kolk, B. A. (2015). *The body keeps the score: Brain, mind, and body in the healing of trauma*. Penguin Books, USA.
- Van Dijk, E. H., Schellevis, R. L., van Bergen, M. G., Breukink, M. B., Altay, L., Scholz, P., ... & Boon, C. J. (2017). Association of a haplotype in the NR3C2 gene, encoding the mineralocorticoid receptor, with chronic central serous chorioretinopathy. *JAMA ophthalmology*, 135(5), 446-451
- Van Heusden, A. M., & Fauser, B. C. J. M. (1999). Activity of the pituitary-ovarian axis in the pill-free interval during use of low-dose combined oral contraceptives. *Contraception*, 59(4), 237-243.
- Van Heusden, A. M., & Fauser, B. C. J. M. (2002). Residual ovarian activity during oral steroid contraception. *Human reproduction update*, 8(4), 345-358.
- Van Leeuwen, N. (2010c). *Mineralocorticoid receptor variants. Implications for stress, blood pressure and personality*. Doctoral thesis. Division of Medical Pharmacology, Leiden/Amsterdam Center for Drug Research, Faculty of Science, Leiden University.

- Van Leeuwen, N., Bellingrath, S., de Kloet, E. R., Zitman, F. G., DeRijk, R. H., Kudielka, B. M. & Wüst, S. (2011). Human mineralocorticoid receptor (MR) gene haplotypes modulate MR expression and transactivation: implication for the stress response. *Psychoneuroendocrinology*, 36(5), 699-709.
- Van Leeuwen, N., Caprio, M., Blaya, C., Fumeron, F., Sartorato, P., Ronconi, V., G., ... & Zennaro, M. (2010a). The functional c.-2G > G variant of the mineralocorticoid receptor modulates blood pressure, renin, and aldosterone levels. *Hypertension*, 56(5), 995-1002.
- Van Leeuwen, N., Kumsta, R., Entringer, S., de Kloet, E. R., Zitman, F. G., DeRijk, R. H., & Wust, S. (2010b). Functional mineralocorticoid receptor (MR) gene variation influences the cortisol awakening response after dexamethasone. *Psychoneuroendocrinology*, 35(3), 339-349.
- Van Praag, H. M. (1996). Serotonin-related, anxiety/aggression-driven, stressor-precipitated depression. A psycho-biological hypothesis. *European psychiatry*, 11(2), 57-67.
- Van Son, D. (2019). *EEG theta/beta ratio: a marker of executive control and its relation with anxiety-linked attentional bias for threat*. (Doctoral dissertation, Faculty of Social and Behavioural Sciences, Leiden University).
- Van Son, D., Angelidis, A., Hagensnaars, M. A., van der Does, W., & Putman, P. (2018). Early and late dot-probe attentional bias to mild and high threat pictures: Relations with EEG theta/beta ratio, self-reported trait attentional control, and trait anxiety. *Psychophysiology*, 55(12), e13274.
- Van Son, D., De Blasio, F. M., Fogarty, J. S., Angelidis, A., Barry, R. J., & Putman, P. (2019). Frontal EEG theta/beta ratio during mind wandering episodes. *Biological Psychology*, 140, 19-27.
- Van Son, D., Schallbroeck, R., Angelidis, A., van der Wee, N. J., van der Does, W., & Putman, P. (2018). Acute effects of caffeine on threat-selective attention: moderation by anxiety and EEG theta/beta ratio. *Biological psychology*, 136, 100-110.
- Van Vliet, I. M., & De Beurs, E. (2007). The MINI-International Neuropsychiatric Interview. A brief structured diagnostic psychiatric interview for DSM-IV en ICD-10 psychiatric disorders. *Tijdschrift voor psychiatrie*, 49(6), 393-397.
- Van Wingen, G. A., Ossewaarde, L., Bäckström, T., Hermans, E. J., & Fernández, G. (2011). Gonadal hormone regulation of the emotion circuitry in humans. *Neuroscience*, 191, 38-45.
- Van Wingen, G. A., Van Broekhoven, F., Verkes, R. J., Petersson, K. M., Bäckström, T., Buitelaar, J., & Fernandez, G. (2008). Progesterone selectively increases amygdala reactivity in women. *Molecular psychiatry*, 13(3), 325-333.
- Verhoeven, F. E. (2014). *Rain with chances of a thunderstorm: on the role of anger in depression* (Doctoral dissertation, Faculty of Social and Behavioural Sciences, Leiden University).
- Vessey, M. P., McPherson, K., Lawless, M., & Yeates, D. (1985). Oral contraception and serious psychiatric illness: absence of an association. *The British journal of psychiatry*, 146(1), 45-49.
- Viau, V., & Meaney, M.J. (1991). Variations in the hypothalamic-pituitary-adrenal response to stress during the estrous cycle in the rat. *Endocrinology*, 129, 2503-2511.
- Vinkers, C. H., Joëls, M., Milaneschi, Y., Gerritsen, L., Kahn, R. S., Penninx, B. W., & Boks, M. P. (2015). Mineralocorticoid receptor haplotypes sex-dependently moderate depression susceptibility following childhood maltreatment. *Psychoneuroendocrinology*, 54, 90-102.
- Vogel, S., Fernández, G., Joëls, M., & Schwabe, L. (2016). Cognitive adaptation under stress: a case for the mineralocorticoid receptor. *Trends in cognitive sciences*, 20(3), 192-203.
- Vogel, S., Gerritsen, L., van Oostrom, I., Arias-Vásquez, A., Rijpkema, M., Joëls, M., ... & Fernández, G. (2014). Linking genetic variants of the mineralocorticoid receptor and negative memory bias: interaction with prior life adversity. *Psychoneuroendocrinology*, 40, 181-190.

- Vogel, S., Klumpers, F., Krugers, H. J., Fang, Z., Oplaat, K. T., Oitzl, M. S., ... & Fernández, G. (2015). Blocking the mineralocorticoid receptor in humans prevents the stress-induced enhancement of centromedial amygdala connectivity with the dorsal striatum. *Neuropsychopharmacology*, 40(4), 947-956.
- W**
- Wambach, G., & Higgins, J. R. (1978). Antimineralocorticoid action of progesterone in the rat: correlation of the effect on electrolyte excretion and interaction with renal mineralocorticoid receptors. *Endocrinology*, 102(6), 1686-1693.
- Warren, A. M., Gurvich, C., Worsley, R., & Kulkarni, J. (2014). A systematic review of the impact of oral contraceptives on cognition. *Contraception*, 90(2), 111-116.
- Warren, M. B., Cowen, P. J., & Harmer, C. J. (2019). Subchronic treatment with St John's wort produces a positive shift in emotional processing in healthy volunteers. *Journal of psychopharmacology*, 33(2), 194-201.
- Watson, D., Clark, L. A., & Tellegen, A. (1988). Development and validation of brief measures of positive and negative affect: the PANAS scales. *Journal of personality and social psychology*, 54(6), 1063.
- Wax, R. (2013). *Sane new world: taming the mind*. London: Hodder & Stoughton.
- Webster, M.J., Knable, M.B., O'Grady, J., Orthmann, J. & Weickert, C.S. (2002). Regional specificity of brain glucocorticoid receptor mRNA alterations in subjects with schizophrenia and mood disorders. *Molecular psychiatry*, 7(9), 985-994.
- Weissman, M. M.; Klerman, G.L. (1977). Sex differences and the epidemiology of depression. *Archives of general psychiatry*, 34, 98-111.
- Welling, L. L. M. (2013). Psychobehavioral effects of hormonal contraceptive use. *Evolutionary psychology*, 11(3), 718-742.
- Whitton, S. W., Weitbrecht, E. M., Kuryluk, A. D., & Bruner, M. R. (2013). Committed dating relationships and mental health among college students. *Journal of american college health*, 61(3), 176-183.
- WHO. (n.d.). *Depression*. Fact sheet. Updated February 2017. Retrieved March 2021, from <http://www.who.int/mediacentre/factsheets/fs369/en/>
- Wickstrom, G. & Bendix, T. (2000): The "Hawthorne effect": what did the original Hawthorne studies actually show? *Scandinavian journal of work, environment & health*, 26, 363-367.
- Wiebe, E. R. (2013). Invited commentary: how can we reconcile the findings of Keyes et al.'s study with the experience of our patients in clinical practice? *American journal of epidemiology*, 178(9), 1389-1391.
- Wilhelm, K., Boyce, P., & Brownhill, S. (2004). The relationship between interpersonal sensitivity, anxiety disorders and major depression. *Journal of affective disorders*, 79(1-3), 33-41.
- Wilhelm, O., Hildebrandt, A., Manske, K., Schacht, A., & Sommer, W. (2014). Test battery for measuring the perception and recognition of facial expressions of emotion. *Frontiers in psychology*, 5, 404.
- Wingenfeld, K., & Otte, C. (2019). Mineralocorticoid receptor function and cognition in health and disease. *Psychoneuroendocrinology*, 105, 25-35.
- Wirth, M. (2011). Beyond the HPA axis: Progesterone-derived neuroactive steroids in human stress and emotion. *Frontiers in endocrinology*, 2, 19.
- Wirth, M. M., & Schultheiss, O. C. (2006). Effects of affiliation arousal (hope of closeness) and affiliation stress (fear of rejection) on progesterone and cortisol. *Hormones and behavior*, 50(5), 786-795.

- Wirth, M. M., & Schultheiss, O. C. (2007). Basal testosterone moderates responses to anger faces in humans. *Physiology & behavior*, 90(2-3), 496-505.
- Wirz, L., Reuter, M., Wacker, J., Felten, A., & Schwabe, L. (2017). A haplotype associated with enhanced mineralocorticoid receptor expression facilitates the stress-induced shift from “cognitive” to “habit” learning. *eNeuro*, 4(6).
- Wood, R. I., Armstrong, A., Fridkin, V., Shah, V., Najafi, A., & Jakowec, M. (2013). ‘Roid rage in rats? Testosterone effects on aggressive motivation, impulsivity and tyrosine hydroxylase. *Physiology & behavior*, 110, 6-12.
- Wray, N. R., Ripke, S., Mattheisen, M., Trzaskowski, M., Byrne, E. M., Abdellaoui, A., ... & Bacanu, S. A. (2018). Genome-wide association analyses identify 44 risk variants and refine the genetic architecture of major depression. *Nature genetics*, 50(5), 668.
- Wu, T., Chen, S., Brinton, R. (2011). Membrane estrogen receptors mediate calcium signaling and MAP kinase activation in individual hippocampal neurons. *Brain research*, 1379, 34-43.

Y

- Yonkers, K. A., Cameron, B., Gueorguieva, R., Altemus, M., & Kornstein, S. G. (2017). The influence of cyclic hormonal contraception on expression of premenstrual syndrome. *Journal of women's health*, 26(4), 321-328.
- Young, A. W., Rowland, D., Calder, A. J., Etcoff, N. L., Seth, A., & Perrett, D. I. (1997). Facial expression megamix: Tests of dimensional and category accounts of emotion recognition. *Cognition*, 63(3), 271-313.
- Young, E. A., Kornstein, S. G., Harvey, A. T., Wisniewski, S. R., Barkin, J., Fava, M., ... & Rush, A. J. (2007). Influences of hormone-based contraception on depressive symptoms in premenopausal women with major depression. *Psychoneuroendocrinology*, 32, 843-853.

Z

- Zeidan, M., Igoe, S., Linnman, C., Vitalo, A., Levine, J., Klibanski, A., Goldstein, J., Milad, M. (2011). Estradiol modulates medial prefrontal cortex and amygdala activity during fear extinction in women and female rats. *Biological psychiatry*, 70, 920-927.
- Zethraeus, N., Dreber, A., Ranehill, E., Blomberg, L., Labrie, F., von Schoultz, B., ... & Hirschberg, A. L. (2017). A first-choice combined oral contraceptive influences general well-being in healthy women: a double-blind, randomized, placebo-controlled trial. *Fertility and sterility*, 107(5), 1238-1245.
- Zhou, M., Bakker, E. H., Velzing, E. H., Berger, S., Oitzl, M., Joëls, M., & Krugers, H. J. (2010). Both mineralocorticoid and glucocorticoid receptors regulate emotional memory in mice. *Neurobiology of learning and memory*, 94(4), 530-537.
- Zimmerman, Y., Eijkemans, M., Coelingh Bennink, H., Blankenstein, M., & Fauser, B. (2014). The effect of combined oral contraception on testosterone levels in healthy women: a systematic review and meta-analysis. *Human reproduction update*, 20(1), 76-105.
- Zoccola, P. M., Quas, J. A., & Yim, I. (2010). Salivary cortisol responses to a psychosocial laboratory stressor and later verbal recall of the stressor: The role of trait and state rumination. *Stress*, 13(5), 435-443.