



Universiteit
Leiden
The Netherlands

Aggressive behavior in early childhood : The role of prenatal risk and self-regulation

Suurland, J.

Citation

Suurland, J. (2017, July 4). *Aggressive behavior in early childhood : The role of prenatal risk and self-regulation*. Retrieved from <https://hdl.handle.net/1887/51343>

Version: Not Applicable (or Unknown)

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/51343>

Note: To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/51343> holds various files of this Leiden University dissertation

Author: Suurland, J.

Title: Aggressive behavior in early childhood : The role of prenatal risk and self-regulation

Issue Date: 2017-07-04



REFERENCES

A

- Abidin, R. R. (1990). *Parenting Stress Index (PSI)*. Charlottesville, VA: Pediatric Psychology Press.
- Achenbach, T. M., & Rescorla, L. A. (2000). *Manual for the ASEBA preschool forms and profiles*. Burlington: University of Vermont, Research Center for Children, Youth, and Families.
- Achenbach, T. M., & Ruffle, T. M. (2000). The Child Behavior Checklist and related forms for assessing behavioral/emotional problems and competencies. *Pediatrics in Review*, 21(8), 265-271.
- Aiken, L. S., & West, S. G. (1991). *Multiple regression: Testing and interpreting interactions*. Newbury Park, CA: Sage Publications, Ltd.
- Alink, L. R. A., Mesman, J., van Zeijl, J., Stolk, M. N., Juffer, F., Koot, H. M., . . . Van IJzendoorn, M. H. (2006). The early childhood aggression curve: Development of physical aggression in 10-to 50-month-old children. *Child Development*, 77, 954-966. doi: 10.1111/j.1467-8624.2006.00912.x
- Alkon, A., Boyce, W. T., Davis, N. V., & Eskenazi, B. (2011). Developmental changes in autonomic nervous system resting and reactivity measures in latino children from 6 to 60 months of age. *Journal of Developmental and Behavioral Pediatrics*, 32(9), 668-677. doi: 10.1097/DBP.0b013e3182331fa6
- Alkon, A., Boyce, W. T., Linh, T., Harley, K. G., Neuhaus, J., & Eskenazi, B. (2014). Prenatal adversities and Latino children's autonomic nervous system reactivity trajectories from 6 months to 5 years of age. *Plos One*, 9(1). doi: 10.1371/journal.pone.0086283
- Alkon, A., Goldstein, L. H., Smider, N., Essex, M. J., Kupfer, D. J., Boyce, W. T., & MacArthur Assessment Battery, W. (2003). Developmental and contextual influences on autonomic reactivity in young children. *Developmental Psychobiology*, 42(1), 64-78. doi: 10.1002/dev.10082
- Alkon, A., Lippert, S., Vujan, N., Rodriguez, M. E., Boyce, W. T., & Eskenazi, B. (2006). The ontogeny of autonomic measures in 6-and 12-month-old infants. *Developmental Psychobiology*, 48(3), 197-208. doi: 10.1002/dev.20129
- Appleyard, K., Egeland, B., van Dulmen, M. H. M., & Sroufe, L. A. (2005). When more is not better: the role of cumulative risk in child behavior outcomes. *Journal of Child Psychology and Psychiatry*, 46(3), 235-245. doi: 10.1111/j.1469-7610.2004.00351.x

- Arntz, A., Van den Hoorn, M., Cornelis, J., Verheul, R., Van den Bosch, W., & De Bie, A. (2003). Reliability and validity of the borderline personality disorder severity index. *Journal of Personality Disorders, 17*, 45-59. doi: 10.1521/pedi.17.1.45.24053
- Atance, C. M., Bélanger, M., & Meltzoff, A. N. (2010). Preschoolers' understanding of others' desires: Fulfilling mine enhances my understanding of yours. *Developmental Psychology, 46*(6), 1505-1514. doi: 10.1037/a0020374
- Avellar, S. A., & Supplee, L. H. (2013). Effectiveness of home visiting in improving child health and reducing child maltreatment. *Pediatrics, 132*(Supplement 2), S90-S99. doi: 10.1542/peds.2013-1021G

B

- Baker, E., Shelton, K. H., Baibazarova, E., Hay, D. F., & van Goozen, S. H. M. (2013). Low skin conductance activity in infancy predicts aggression in toddlers 2 years later. *Psychological Science, 24*(6), 1051-1056. doi: 10.1177/0956797612465198
- Bakker, M. J., Tijssen, M. A. J., van der Meer, J. N., Koelman, J. H. T. M., & Boer, F. (2009). Increased whole-body auditory startle reflex and autonomic reactivity in children with anxiety disorders. *Journal of psychiatry & neuroscience, 34*, 314-322.
- Barker, D. J. P. (1998). In utero programming of chronic disease. *Clinical Science, 95*(2), 115-128. doi: 10.1042/cs19980019
- Bates, J. E. (1990). Conceptual and empirical linkages between temperament and behavior problems: A commentary *Merrill-Palmer Quarterly-Journal of Developmental Psychology, 36*, 193-199.
- Bauer, A. M., Quas, J. A., & Boyce, W. T. (2002). Associations between physiological reactivity and children's behavior: Advantages of a multisystem approach. *Journal of Developmental and Behavioral Pediatrics, 23*(2), 102-113.
- Baumeister, R. F., & Vohs, K. D. (2004). *Handbook of self-regulation: Research, theory, and applications*. New York: Guilford.
- Bayley, N. (1993). *Bayley Scales of Infant Development-Second Edition*. San Antonio, TX: The Psychological Corporation.
- Bazhenova, O. V., Plonskaia, O., & Porges, S. W. (2001). Vagal reactivity and affective adjustment in infants during interaction challenges. *Child Development, 72*(5), 1314-1326. doi: 10.1111/1467-8624.00350

- Beck, A. T., Steer, R. A., & Brown, G. K. (1996). *Manual for the Beck depression inventory-II*. San Antonio, TX: Psychological Corporation.
- Beer, J. S., Heerey, E. A., Keltner, D., Scabini, D., & Knight, R. T. (2003). The regulatory function of self-conscious emotion: Insights from patients with orbitofrontal damage. *Journal of Personality and Social Psychology, 85*, 594-604. doi: 10.1037/0022-3514.85.4.594
- Beauchaine, T. P. (2001). Vagal tone, development, and Gray's motivational theory: Toward an integrated model of autonomic nervous system functioning in psychopathology. *Development and Psychopathology, 13*(2), 183-214. doi: 10.1017/s0954579401002012
- Beauchaine, T. P. (2009). Some difficulties in interpreting psychophysiological research with children *Monographs of the Society for Research in Child Development, 74*(1), 80-88. doi:10.1111/j.1540-5834.2009.00509.x
- Beauchaine, T. P., Gatzke-Kopp, L., & Mead, H. K. (2007). Polyvagal Theory and developmental psychopathology: Emotion dysregulation and conduct problems from preschool to adolescence. *Biological Psychology, 74*(2), 174-184. doi: 10.1016/j.biopsycho.2005.08.008
- Beauchaine, T. P., Neuhaus, E., Brenner, S. L., & Gatzke-Kopp, L. (2008). Ten good reasons to consider biological processes in prevention and intervention research. *Development and Psychopathology, 20*(3), 745-774. doi: 10.1017/s0954579408000369
- Beauregard, M., Lévesque, J., & Paquette, V. (2004). Neural basis of conscious and voluntary self-regulation of emotion. In M. Beauregard (Ed.), *Consciousness, emotional self-regulation and the brain* (pp. 163-194). Amsterdam: John Benjamins.
- Belsky, J., Friedman, S. L., & Hsieh, K. H. (2001). Testing a core emotion-regulation prediction: Does early attentional persistence moderate the effect of infant negative emotionality on later development? *Child Development, 72*(1), 123-133. doi: 10.1111/1467-8624.00269
- Belsky, J., & Pluess, M. (2009). Beyond Diathesis Stress: Differential Susceptibility to Environmental Influences. *Psychological Bulletin, 135*(6), 885-908. doi: 10.1037/a0017376
- Bernier, A., Carlson, S. M., & Whipple, N. (2010). From external regulation to self-regulation: Early parenting precursors of young children's executive functioning. *Child Development, 81*(1), 326-339. doi: 10.1111/j.1467-8624.2009.01397.x

- Berntson, G. G., Cacioppo, J. T., & Quigley, K. S. (1991). Autonomic determinism: The modes of autonomic control, the doctrine of autonomic space, and the laws of autonomic constraint. *Psychological Review*, *98*(4), 459-487. doi: 10.1037/0033-295x.98.4.459
- Bigelow, A. E., & Dugas, K. (2009). Relations among preschool children's understanding of visual perspective taking, false belief, and lying. *Journal of Cognition and Development*, *9*(4), 411-433. doi: 10.1080/15248370802678299
- Blair, C., Berry, D., Mills-Koonce, R., Granger, D., & Invest, F. L. P. (2013). Cumulative effects of early poverty on cortisol in young children: Moderation by autonomic nervous system activity. *Psychoneuroendocrinology*, *38*(11), 2666-2675. doi: 10.1016/j.psyneuen.2013.06.025
- Blair, C., & Diamond, A. (2008). Biological processes in prevention and intervention: The promotion of self-regulation as a means of preventing school failure. *Development and Psychopathology*, *20*, 899-911. doi: 10.1017/s0954579408000436
- Blair, C., & Peters, R. (2003). Physiological and neurocognitive correlates of adaptive behavior in preschool among children in head start. *Developmental Neuropsychology*, *24*, 479-497. doi: 10.1207/s15326942dn2401_04
- Boivin, M., Pérusse, D., Dionne, G., Sayset, V., Zoccolillo, M., Tarabulsy, G. M., . . . Tremblay, R. E. (2005). The genetic-environmental etiology of parents' perceptions and self-assessed behaviours toward their 5-month-old infants in a large twin and singleton sample. *Journal of Child Psychology and Psychiatry*, *46*(6), 612-630. doi: 10.1111/j.1469-7610.2004.00375.x
- Bosquet Enlow, M., King, L., Schreier, H. M. C., Howard, J. M., Rosenfield, D., Ritz, T., & Wright, R. J. (2014). Maternal sensitivity and infant autonomic and endocrine stress responses. *Early Human Development*, *90*, 377-385. doi: 10.1016/j.earlhumdev.2014.04.007
- Boyce, W. T. (2016). Differential susceptibility of the developing brain to contextual adversity and stress. *Neuropsychopharmacology*, *41*(1), 142-162. doi: 10.1038/npp.2015.294
- Boyce, W. T., & Ellis, B. J. (2005). Biological sensitivity to context: I. An evolutionary-developmental theory of the origins and functions of stress reactivity. *Development and Psychopathology*, *17*(2), 271-301. doi: 10.1017/s0954579405050145
- Boyce, W. T., Quas, J., Alkon, A., Smider, N. A., Essex, M. J., Kupfer, D. J., & Working, G. o. t. M. A. B. (2001). Autonomic reactivity and psychopathology in middle childhood. *British Journal of Psychiatry*, *179*, 144-150. doi: 10.1192/bjp.179.2.144

- Brocki, K. C., Nyberg, L., Thorell, L. B., & Bohlin, G. (2007). Early concurrent and longitudinal symptoms of ADHD and ODD: Relations to different types of inhibitory control and working memory. *Journal of Child Psychology and Psychiatry*, *48*, 1033-1041. doi: 10.1111/j.1469-7610.2007.01811.x
- Brugha, T. S., & Cragg, D. (1990). The List of Threatening Experiences: the reliability and validity of a brief life events questionnaire. *Acta Psychiatrica Scandinavica*, *82*(1), 77-81. doi: 10.1111/j.1600-0447.1990.tb01360.x
- Burt, S. A. (2012). How do we optimally conceptualize the heterogeneity within antisocial behavior? An argument for aggressive versus non-aggressive behavioral dimensions. *Clinical Psychology Review*, *32*(4), 263-279. doi: 10.1016/j.cpr.2012.02.006
- Buss, A. H., & Perry, M. (1992). The Aggression Questionnaire. *Journal of Personality and Social Psychology*, *63*(3), 452-459. doi: 10.1037/0022-3514.63.3.452

C

- Cabaj, J. L., McDonald, S. W., & Tough, S. C. (2014). Early childhood risk and resilience factors for behavioural and emotional problems in middle childhood. *BMC pediatrics*, *14*(1), 166-177. doi: 10.1186/1471-2431-14-166
- Cacioppo, J. T., Uchino, B. N., & Berntson, G. G. (1994). Individual differences in the autonomic origins of heart rate reactivity: The psychometrics of respiratory sinus arrhythmia and preejection period. *Psychophysiology*, *31*(4), 412-419. doi: 10.1111/j.1469-8986.1994.tb02449.x
- Calkins, S. D., Dedmon, S. E., Gill, K. L., Lomax, L. E., & Johnson, L. M. (2002). Frustration in infancy: Implications for emotion regulation, physiological processes, and temperament. *Infancy*, *3*, 175-197. doi: 10.1207/s15327078in0302_4
- Calkins, S. D., & Fox, N. A. (2002). Self-regulatory processes in early personality development: A multilevel approach to the study of childhood social withdrawal and aggression. *Development and Psychopathology*, *14*(3), 477-498. doi: 10.1017/s0954579402003057
- Calkins, S. D., & Keane, S. P. (2004). Cardiac vagal regulation across the preschool period: Stability, continuity, and implications for childhood adjustment. *Developmental Psychobiology*, *45*, 101-112. doi: 10.1002/dev.20020
- Calkins, S. D., & Keane, S. P. (2009). Developmental origins of early antisocial behavior. *Development and Psychopathology*, *21*(4), 1095-1109. doi: 10.1017/s095457940999006x

- Campbell, S. B., Shaw, D. S., & Gilliom, M. (2000). Early externalizing behavior problems: Toddlers and preschoolers at risk for later maladjustment. *Development and Psychopathology, 12*, 467-488. doi: 10.1017/s0954579400003114
- Campbell, S. B., Spieker, S., Burchinal, M., Poe, M. D., & The NICHD Early Child Care Research Network (2006). Trajectories of aggression from toddlerhood to age 9 predict academic and social functioning through age 12. *Journal of Child Psychology and Psychiatry, 47*(8), 791-800. doi: 10.1111/j.1469-7610.2006.01636.x
- Caplan, M., Vespo, J., Pedersen, J., & Hay, D. F. (1991). Conflict and its resolution in small groups of one- and two-year-olds. *Child Development, 62*(6), 1513-1524. doi: 10.1111/1467-8624.ep9202105177
- Carter, A. S., Garrity-Rokous, F. E., Chazan-Cohen, R., Little, C., & Briggs-Gowan, M. J. (2001). Maternal depression and comorbidity: Predicting early parenting, attachment security, and toddler social-emotional problems and competencies. *Journal of the American Academy of Child and Adolescent Psychiatry, 40*, 18-26. doi: 10.1097/00004583-200101000-00012
- Carlson, S. M., Mandell, D. J., & Williams, L. (2004). Executive function and theory of mind: Stability and prediction from ages 2 to 3. *Developmental Psychology, 40*(6), 1105-1122. doi: 10.1037/0012-1649.40.6.1105
- Carlson, S. M., & Moses, L. J. (2001). Individual differences in inhibitory control and children's theory of mind. *Child Development, 72*(4), 1032-1053. doi: 10.1111/1467-8624.00333
- Carlson, S. M., & Wang, T. S. (2007). Inhibitory control and emotion regulation in preschool children. *Cognitive Development, 22*, 489-510. doi: 10.1016/j.cogdev.2007.08.002
- Chambers, A. S., & Allen, J. J. B. (2007). Cardiac vagal control, emotion, psychopathology, and health. *Biological Psychology, 74*(2), 113-115. doi: 10.1016/j.biopsycho.2006.09.004
- Chen, F. R., Raine, A., Soyfer, L., & Granger, D. A. (2015). Interaction of adrenocortical activity and autonomic arousal on children's externalizing and internalizing behavior problems. *Journal of Abnormal Child Psychology, 43*(1), 189-202. doi: 10.1007/s10802-014-9900-y
- Cicchetti, D., & Rogosch, F. A. (1996). Equifinality and multifinality in developmental psychopathology. *Development and Psychopathology, 8*, 597-600.
- Condon, J. T. (1993). The assessment of antenatal emotional attachment: Development of a questionnaire instrument. *British Journal of Medical Psychology, 66*(2), 167-183. doi: 10.1111/j.2044-8341.1993.tb01739.x

- Conradt, E., & Ablow, J. (2010). Infant physiological response to the still-face paradigm: Contributions of maternal sensitivity and infants' early regulatory behavior. *Infant Behavior & Development, 33*, 251-265. doi: 10.1016/j.infbeh.2010.01.001
- Conradt, E., Beauchaine, T., Abar, B., Lagasse, L., Shankaran, S., Bada, H., . . . Lester, B. (2016). Early caregiving stress exposure moderates the relation between respiratory sinus arrhythmia reactivity at 1 month and biobehavioral outcomes at age 3. *Psychophysiology, 53*(1), 83-96. doi: 10.1111/psyp.12569
- Conradt, E., Measelle, J., & Ablow, J. C. (2013). Poverty, problem behavior, and promise: Differential susceptibility among infants reared in poverty. *Psychological Science, 24*(3), 235-242. doi: 10.1177/0956797612457381
- Côté, S., Vaillancourt, T., LeBlanc, J. C., Nagin, D. S., & Tremblay, R. E. (2006). The development of physical aggression from toddlerhood to pre-adolescence: A nation wide longitudinal study of Canadian children. *Journal of Abnormal Child Psychology, 34*(1), 68-82. doi: 10.1007/s10802-005-9001-z

D

- Dane, A. V., & Marini, Z. A. (2014). Overt and relational forms of reactive aggression in adolescents: Relations with temperamental reactivity and self-regulation. *Personality and Individual Differences, 60*, 60-66. doi: 10.1016/j.paid.2013.12.021
- Dawson, G., Ashman, S. B., & Carver, L. J. (2000). The role of early experience in shaping behavioral and brain development and its implications for social policy. *Development and Psychopathology, 12*(4), 695-712. doi: 10.1017/s0954579400004089
- De Brock, A. J. L. L., Vermulst, A. A., Gerris, J. R. M., & Abidin, R. R. (1992). *Nijmeegse Ouderlijke Stress Index (NOSI)-manual*. Lisse: Swets en Zeitlinger.
- Degangi, G. A., Dipietro, J. A., Greenspan, S. I., & Porges, S. W. (1991). Psychophysiological characteristics of the regulatory disordered infant. *Infant Behavior & Development, 14*, 37-50. doi: 10.1016/0163-6383(91)90053-u
- De Geus, E. J. C., Willemsen, G. H. M., Klaver, C. H. A. M., & Van Doornen, L. J. P. (1995). Ambulatory measurement of respiratory sinus arrhythmia and respiration rate *Biological Psychology, 41*(3), 205-227. doi: 10.1016/0301-0511(95)05137-6

- De Sonneville, L. M. J. (1999). The Amsterdam Neuropsychological Task: A computer aided assessment program. In B. P. L. M. Den Brinker, P. J. Beck, A. N. Brand, S. J. Maarsse, & L. J. M. Mulder (Eds.), *Computers in psychology: Vol. 6. Cognitive ergonomics, clinical assessment and computer assisted learning* (pp. 187–203). Lisse, The Netherlands: Zwets Zeitlinger.
- Diamond, A. (2002). Normal development of prefrontal cortex from birth to young adulthood: Cognitive functions, anatomy, and biochemistry. In D. Stuss & R. Knight (Eds.), *Principles of frontal lobe function* (pp. 466-503). New York: Oxford University Press.
- Diamond, A., Carlson, S. M., & Beck, D. M. (2005). Preschool children's performance in task switching on the dimensional change card sort task: Separating the dimensions aids the ability to switch. *Developmental Neuropsychology*, *28*, 689-729. doi: 10.1207/s15326942dn2802_7
- Diener, M. L., & Mangelsdorf, S. C. (1999). Behavioral strategies for emotion regulation in toddlers: Associations with maternal involvement and emotional expressions. *Infant Behavior & Development*, *22*, 569-583. doi: 10.1016/s0163-6383(00)00012-6
- Dunn, L. M., & Dunn, L. M. (1997). *PPVT-III: Peabody picture vocabulary test* (4 ed.). Circle Pines, MN: American Guidance Service.
- Durbin, C. E., Hayden, E. P., Klein, D. N., & Olino, T. M. (2007). Stability of laboratory-assessed temperamental emotionality traits from ages 3 to 7. *Emotion*, *7*, 388-399. doi: 10.1037/1528-3542.7.2.388

E

- Eisenberg, N., Cumberland, A., Spinrad, T. L., Fabes, R. A., Shepard, S. A., Reiser, M., . . . Guthrie, I. K. (2001). The relations of regulation and emotionality to children's externalizing and internalizing problem behavior. *Child Development*, *72*, 1112-1134. doi: 10.1111/1467-8624.00337
- Eisenberg, N., Spinrad, T. L., & Eggum, N. D. (2010). Emotion-related self-regulation and its relation to children's maladjustment. In S. NolenHoeksema, T. D. Cannon, & T. Widiger (Eds.), *Annual Review of Clinical Psychology, Vol 6* (Vol. 6, pp. 495-525).

- Eisenberg, N., Sulik, M. J., Spinrad, T. L., Edwards, A., Eggum, N. D., Liew, J., . . . Hart, D. (2012). Differential Susceptibility and the Early Development of Aggression: Interactive Effects of Respiratory Sinus Arrhythmia and Environmental Quality. *Developmental Psychology, 48*(3), 755-768. doi: 10.1037/a0026518
- Eisenberg, N., Valiente, C., Spinrad, T. L., Cumberland, A., Liew, J., Reiser, M., . . . Losoya, S. H. (2009). Longitudinal relations of children's effortful control, impulsivity, and negative emotionality to their externalizing, internalizing, and co-occurring behavior problems. *Developmental Psychology, 45*(4), 988-1008. doi: 10.1037/a0016213
- El-Sheikh, M. (2001). Parental drinking problems and children's adjustment: Vagal regulation and emotional reactivity as pathways and moderators of risk. *Journal of Abnormal Psychology, 110*(4), 499-515. doi: 10.1037//0021-843x.110.4.499
- El-Sheikh, M. (2005a). Does poor vagal tone exacerbate child maladjustment in the context of parental problem drinking? A longitudinal examination. *Journal of Abnormal Psychology, 114*(4), 735-741. doi: 10.1037/0021-843x.114.4.735
- El-Sheikh, M. (2005b). The role of emotional responses and physiological reactivity in the marital conflict-child functioning link. *Journal of Child Psychology and Psychiatry, 46*(11), 1191-1199. doi: 10.1111/j.1469-7610.2005.00418.x
- El-Sheikh, M., Arsiwalla, D. D., Hinnant, J. B., & Erath, S. A. (2011). Children's internalizing symptoms: The role of interactions between cortisol and respiratory sinus arrhythmia. *Physiology & Behavior, 103*, 225-232. doi: 10.1016/j.physbeh.2011.02.004
- El-Sheikh, M., & Erath, S. A. (2011). Family conflict, autonomic nervous system functioning, and child adaptation: State of the science and future directions. *Development and Psychopathology, 23*(2), 703-721. doi: 10.1017/s0954579411000034
- El-Sheikh, M., Erath, S. A., Buckhalt, J. A., Granger, D. A., & Mize, J. (2008). Cortisol and children's adjustment: The moderating role of sympathetic nervous system activity. *Journal of Abnormal Child Psychology, 36*, 601-611. doi: 10.1007/s10802-007-9204-6
- El-Sheikh, M., Harger, J., & Whitson, S. M. (2001). Exposure to interparental conflict and children's adjustment and physical health: The moderating role of vagal tone. *Child Development, 72*(6), 1617-1636. doi: 10.1111/1467-8624.00369

- El-Sheikh, M., Keller, P. S., & Erath, S. A. (2007). Marital conflict and risk for child maladjustment over time: Skin conductance level reactivity as a vulnerability factor. *Journal of Abnormal Child Psychology*, *35*(5), 715-727. doi: 10.1007/s10802-007-9127-2
- El-Sheikh, M., Kouros, C. D., Erath, S., Cummings, E. M., Keller, P., & Staton, L. (2009). Marital conflict and children's externalizing behavior: interactions between parasympathetic and sympathetic nervous system activity. *Monographs of the Society for Research in Child Development*, *74*(1), 1-79. doi: 10.1111/j.1540-5834.2009.00501.x

F

- Farrington, D. P. (1994). Childhood, adolescent, and adult features of violent males. In L. R. Huesmann (Ed.), *Aggressive behavior: Current perspectives* (pp. 215-240). New York, NY: Plenum Press.
- Fenson, L., Pethick, S., Renda, C., Cox, J. L., Dale, P. S., & Reznick, J. S. (2000). Short-form versions of the MacArthur communicative development inventories. *Applied Psycholinguistics*, *21*(1), 95-116.
- Fergusson, D. M., & Horwood, L. J. (1998). Early conduct problems and later life opportunities. *Journal of Child Psychology and Psychiatry*, *39*(8), 1097-1108. doi: 10.1111/1469-7610.00414
- Filene, J. H., Kaminski, J. W., Valle, L. A., & Cachat, P. (2013). Components associated with home visiting program outcomes: A meta-analysis. *Pediatrics*, *132*(Supplement 2), S100-S109. doi: 10.1542/peds.2013-1021H
- Fossum, S., Handegard, B. H., Martinussen, M., & Morch, W. T. (2008). Psychosocial interventions for disruptive and aggressive behaviour in children and adolescents A meta-analysis. *European Child & Adolescent Psychiatry*, *17*(7), 438-451. doi: 10.1007/s00787-008-0686-8
- Fox, N. A. (1998). Temperament and regulation of emotion in the first years of life. *Pediatrics*, *102*(5 Suppl E), 1230-1235.
- Fox, N. A., Schmidt, L. A., & Henderson, H. A. (2000). Developmental psychophysiology: Conceptual and methodological perspectives. In J. T. Cacioppo, L. G. Tassinary, & G. G. Berntson (Eds.), *Handbook of Psychophysiology* (pp. 665-686). New York, NY: Cambridge University Press.

- Friedman, N. P., Miyake, A., Robinson, J. L., & Hewitt, J. K. (2011). Developmental trajectories in toddlers' self-restraint predict individual differences in executive functions 14 years later: A behavioral genetic analysis. *Developmental Psychology*, *47*(5), 1410-1430. doi: 10.1037/a0023750
- Frigerio, A., Ceppi, E., Rusconi, M., Giorda, R., Raggi, M. E., & Fearon, P. (2009). The role played by the interaction between genetic factors and attachment in the stress response in infancy. *Journal of Child Psychology and Psychiatry*, *50*, 1513-1522. doi: 10.1111/j.1469-7610.2009.02126.x

G

- Garon, N., Bryson, S. E., & Smith, I. M. (2008). Executive function in preschoolers: A review using an integrative framework. *Psychological Bulletin*, *134*, 31-60. doi: 10.1037/0033-2909.134.1.31
- Gartstein, M. A., Putnam, S. P., & Rothbart, M. K. (2012). Etiology of preschool behavior problems: Contributions of temperament attributes in early childhood. *Infant Mental Health Journal*, *33*(2), 197-211. doi: 10.1002/imhj.21312
- Gartstein, M. A., & Rothbart, M. K. (2003). Studying infant temperament via the Revised Infant Behavior Questionnaire. *Infant Behavior & Development*, *26*(1), 64-86. doi: 10.1016/s0163-6383(02)00169-8
- Geva, R., & Feldman, R. (2008). A neurobiological model for the effects of early brainstem functioning on the development of behavior and emotion regulation in infants: implications for prenatal and perinatal risk. *Journal of Child Psychology and Psychiatry*, *49*, 1031-1041. doi: 10.1111/j.1469-7610.2008.01918.x
- Giesen-Bloo, J. H., Arntz, A., & Schouten, E. (2005). *The borderline personality checklist: Psychometric evaluation and factorial structure in clinical and nonclinical samples*. Internal Document. Maastricht University.
- Gioia, G. A., Espy, K. A., & Isquith, P. K. (2005). *The Behavior Rating Inventory of Executive Function-Preschool version (BRIEF-P)*. Odessa, FL: Psychological Assessment Resources.
- Goldsmith, H. H., & Rothbart, M. K. (1999a). *The Laboratory Temperament Assessment Battery: Description of procedures (Prelocomotor Version 3.1)*. Madison, Wisconsin.
- Goldsmith, H. H., & Rothbart, M. K. (1999b). *The Laboratory Temperament Assessment Battery: Description of procedures (Locomotor Version 3.1)*. Madison: University of Wisconsin.

- Gordis, E. B., Feres, N., Olezeski, C. L., Rabkin, A. N., & Trickett, P. K. (2010). Skin conductance reactivity and respiratory sinus arrhythmia among maltreated and comparison youth: Relations with aggressive behavior. *Journal of Pediatric Psychology, 35*(5), 547-558. doi: 10.1093/jpepsy/jsp113
- Gower, A. L., & Crick, N. R. (2011). Baseline autonomic nervous system arousal and physical and relational aggression in preschool: The moderating role of effortful control. *International Journal of Psychophysiology, 81*, 142-151. doi: 10.1016/j.ijpsycho.2011.06.001
- Grant, K.-A., McMahon, C., Austin, M.-P., Reilly, N., Leader, L., & Ali, S. (2009). Maternal prenatal anxiety, postnatal caregiving and infants' cortisol responses to the Still-Face Procedure. *Developmental Psychobiology, 51*, 625-637. doi: 10.1002/dev.20397
- Gratz, K. L., & Roemer, L. (2004). Multidimensional assessment of emotion regulation and dysregulation: Development, factor structure, and initial validation of the difficulties in emotion regulation scale. *Journal of Psychopathology and Behavioral Assessment, 26*(1), 41-54. doi: 10.1023/b:joba.0000007455.08539.94
- Graziano, P., & Derefinko, K. (2013). Cardiac vagal control and children's adaptive functioning: A meta-analysis. *Biological Psychology, 94*, 22-37. doi: 10.1016/j.biopsycho.2013.04.011
- Grossman, P., Van Beek, J., & Wientjes, C. (1990). A comparison of 3 quantification methods for estimations of respiratory sinus arrhythmia. *Psychophysiology, 27*, 702-714. doi: 10.1111/j.1469-8986.1990.tb03198.x

H

- Haley, D. W., Handmaker, N. S., & Lowe, J. (2006). Infant stress reactivity and prenatal alcohol exposure. *Alcoholism-Clinical and Experimental Research, 30*, 2055-2064. doi: 10.1111/j.1530-0277.2006.00251.x
- Haley, D. W., & Stansbury, K. (2003). Infant stress and parent responsiveness: Regulation of physiology and behavior during still-face and reunion. *Child Development, 74*, 1534-1546. doi: 10.1111/1467-8624.00621
- Ham, J., & Tronick, E. (2006). Infant resilience to the stress of the Still-Face: Infant and maternal psychophysiology are related. *Annals of the New York Academy of Sciences, 1094*, 297-302. doi: 10.1196/annals.1376.038

- Ham, J., & Tronick, E. (2009). Relational psychophysiology: Lessons from mother-infant physiology research on dyadically expanded states of consciousness. *Psychotherapy Research, 19*, 619-632. doi: 10.1080/10503300802609672
- Hay, D. F. (2007). The gradual emergence of sex differences in aggression: alternative hypotheses. *Psychological Medicine, 37*, 1527-1537. doi: 10.1017/s0033291707000165
- Hay, D. F., Mundy, L., Roberts, S., Carta, R., Waters, C. S., Perra, O., . . . van Goozen, S. (2011). Known risk factors for violence predict 12-month-old infants' aggressiveness with peers. *Psychological Science, 22*(9), 1205-1211. doi: 10.1177/0956797611419303
- Hay, D. F., Nash, A., Caplan, M., Swartzentruber, J., Ishikawa, F., & Vespo, J. E. (2011). The emergence of gender differences in physical aggression in the context of conflict between young peers. *British Journal of Developmental Psychology, 29*(2), 158-175. doi: 10.1111/j.2044-835X.2011.02028.x
- Hay, D. F., Pawlby, S., Waters, C. S., Perra, O., & Sharp, D. (2010). Mothers' antenatal depression and their children's antisocial outcomes. *Child Development, 81*(1), 149-165. doi: 10.1111/j.1467-8624.2009.01386.x
- Hay, D. F., Perra, O., Hudson, K., Waters, C. S., Mundy, L., Phillips, R., . . . van Goozen, S. (2010). Identifying early signs of aggression: psychometric properties of the cardiff infant contentiousness scale. *Aggressive Behavior, 36*(6), 351-357. doi: 10.1002/ab.20363
- Hayes, A. F. (2009). Beyond Baron and Kenny: Statistical mediation analysis in the new millennium. *Communication Monographs, 76*, 408-420. doi: 10.1080/03637750903310360
- Hickey, J. E., Suess, P. E., Newlin, D. B., Spurgeon, L., & Porges, S. W. (1995). Vagal tone regulation during sustained attention in boys exposed to opiates in-utero. *Addictive Behaviors, 20*, 43-59. doi: 10.1016/0306-4603(94)00044-y
- Hill-Soderlund, A. L., Mills-Koonce, W. R., Propper, C., Calkins, S. D., Granger, D. A., Moore, G. A., . . . Cox, M. J. (2008). Parasympathetic and sympathetic responses to the strange situation in infants and mothers from avoidant and securely attached dyads. *Developmental Psychobiology, 50*(4), 361-376. doi: 10.1002/dev.20302
- Hinnant, J. B., Elmore-Staton, L., & El-Sheikh, M. (2011). Developmental Trajectories of Respiratory Sinus Arrhythmia and Preejection Period in Middle Childhood. *Developmental Psychobiology, 53*, 59-68. doi: 10.1002/dev.20487

- Hubbard, J. A., Smithmyer, C. M., Ramsden, S. R., Parker, E. H., Flanagan, K. D., Dearing, K. F., . . . Simons, R. F. (2002). Observational, physiological, and self-report measures of children's anger: Relations to reactive versus proactive aggression. *Child Development, 73*, 1101-1118. doi: 10.1111/1467-8624.00460
- Hughes, C., & Ensor, R. (2005). Executive function and theory of mind in 2 year olds: A family affair? *Developmental Neuropsychology, 28*(2), 645-668. doi: 10.1207/s15326942dn2802_5
- Huijbregts, S. C. J., Seguin, J. R., Zoccolillo, M., Boivin, M., & Tremblay, R. E. (2008). Maternal prenatal smoking, parental antisocial behavior, and early childhood physical aggression. *Development and Psychopathology, 20*(2), 437-453. doi: 10.1017/s0954579408000217

J

- Jacob, S., Byrne, M., & Keenan, K. (2009). Neonatal physiological regulation is associated with perinatal factors: A study of neonates born to healthy African American women living in poverty. *Infant Mental Health Journal, 30*, 82-94. doi: 10.1002/imhj.20204

K

- Kagan, J. (1994). *Galen's prophecy: Temperament in human nature*. New York: Basic Books.
- Katz, L. F. (2007). Domestic violence and vagal reactivity to peer provocation. *Biological Psychology, 74*(2), 154-164. doi: 10.1016/j.biopsycho.2005.10.010
- Katznelson, H. (2014). Reflective functioning: A review. *Clinical Psychology Review, 34*(2), 107-117. doi: 10.1016/j.cpr.2013.12.003
- Kiecolt-Glaser, J. K., & Glaser, R. (1995). Psychoneuroimmunology and health consequences: Data and shared mechanisms. *Psychosomatic Medicine, 57*, 269-274.
- Kochanska, G., Coy, K. C., & Murray, K. T. (2001). The development of self-regulation in the first four years of life. *Child Development, 72*(4), 1091-1111. doi: 10.1111/1467-8624.00336
- Kochanska, G., Gross, J. N., Lin, M.-H., & Nichols, K. E. (2002). Guilt in young children: Development, determinants, and relations with a broader system of standards. *Child Development, 73*(2), 461-482. doi: 10.1111/1467-8624.00418

- Kochanska, G., Murray, K. T., & Harlan, E. T. (2000). Effortful control in early childhood: Continuity and change, antecedents, and implications for social development. *Developmental Psychology, 36*(2), 220-232. doi: 10.1037//0012-1649.36.2.220
- Kochanska, G., Tjebkes, T. L., & Forman, D. R. (1998). Children's emerging regulation of conduct: Restraint, compliance, and internalization from infancy to the second year. *Child Development, 69*, 1378-1389. doi: 10.2307/1132272
- Kokko, K., & Pulkkinen, L. (2000). Aggression in childhood and long-term unemployment in adulthood: A cycle of maladaptation and some protective factors. *Developmental Psychology, 36*(4), 463-472. doi: 10.1037/0012-1649.36.4.463
- Koot, H. M., Van den Oord, E. J. C. G., Verhulst, F. C., & Boomsma, D. I. (1997). Behavioral and emotional problems in young preschoolers: Cross-cultural testing of the validity of the child behavior checklist/2-3. *Journal of Abnormal Child Psychology, 25*, 183-196. doi: 10.1023/a:1025791814893

L

- Laranjo, J., Bernier, A., Meins, E., & Carlson, S. M. (2010). Early manifestations of children's theory of mind: The roles of maternal mind-mindedness and infant security of attachment. *Infancy, 15*(3), 300-323. doi: 10.1111/j.1532-7078.2009.00014.x
- Laurent, H. K., Harold, G. T., Leve, L., Shelton, K. H., & Van Goozen, S. H. M. (2016). Understanding the unfolding of stress regulation in infants. *Development and Psychopathology*. doi: 10.1017/S0954579416000171
- Lawson, K. R., & Ruff, H. A. (2004). Early attention and negative emotionality predict later cognitive and behavioural function. *International Journal of Behavioral Development, 28*(2), 157-165. doi: 10.1080/01650250344000361
- Lemery, K. S., Essex, M. J., & Smider, N. A. (2002). Revealing the relation between temperament and behavior problem symptoms by eliminating measurement confounding: Expert ratings and factor analyses. *Child Development, 73*, 867-882. doi: 10.1111/1467-8624.00444
- Lesage, F. X., Berjot, S., & Deschamps, F. (2012). Clinical stress assessment using a visual analogue scale. *Occupational medicine, 62*(8), 600-605. doi: 10.1093/occmed/kqs140

- Lester, B. M., Tronick, E. Z., LaGasse, L., Seifer, R., Bauer, C. R., Shankaran, S., . . . Maza, P. L. (2002). The maternal lifestyle study: Effects of substance exposure during pregnancy on neurodevelopmental outcome in 1-month-old infants. *Pediatrics*, *110*(6), 1182-1192. doi: 10.1542/peds.110.6.1182
- Luyster, R., Gotham, K., Guthrie, W., Coffing, M., Petrak, R., Pierce, K., . . . Lord, C. (2009). The Autism Diagnostic Observation Schedule—toddler module: A new module of a standardized diagnostic measure for autism spectrum disorders. *Journal of Autism & Developmental Disorders*, *39*(9), 1305-1320. doi: 10.1007/s10803-009-0746-z

M

- Matthews, K. A., Salomon, K., Kenyon, K., & Allen, M. T. (2002). Stability of children's and adolescents' hemodynamic responses to psychological challenge: A three-year longitudinal study of a multiethnic cohort of boys and girls. *Psychophysiology*, *39*, 826-834. doi: 10.1017/s0048577202011162
- McEwen, B. S., & Gianaros, P. J. (2010). Central role of the brain in stress and adaptation: Links to socioeconomic status, health, and disease. In N. E. Adler & J. Stewart (Eds.), *Biology of Disadvantage: Socioeconomic Status and Health* (Vol. 1186, pp. 190-222).
- McLaughlin, K. A., Sheridan, M. A., Tiby, F., Fox, N. A., Zeanah, C. H., & Nelson, C. A. (2015). Causal effects of the early caregiving environment on development of the stress response systems in children. *Proceedings of the National Academy of Sciences of the United States of America*, *112*, 5637-5642. doi: 10.1073/pnas.1423363112
- McManis, M. H., Kagan, J., Snidman, N. C., & Woodward, S. A. (2002). EEG asymmetry, power, and temperament in children. *Developmental Psychobiology*, *41*, 169-177. doi: 10.1002/dev.10053
- Mejdoubi, J., van den Heijkant, S., Struijf, E., van Leerdam, F., HiraSing, R., & Crijnen, A. (2011). Addressing risk factors for child abuse among high risk pregnant women: design of a randomised controlled trial of the nurse family partnership in Dutch preventive health care. *Bmc Public Health*, *11*, 823-832. doi: 10.1186/1471-2458-11-823
- Mejdoubi, J., van den Heijkant, S. C. C. M., van Leerdam, F. J. M., Crone, M., Crijnen, A., & HiraSing, R. A. (2014). Effects of nurse home visitation on cigarette smoking, pregnancy outcomes and breastfeeding: A randomized controlled trial. *Midwifery*, *30*(6), 688-695. doi: 10.1016/j.midw.2013.08.006

- Mejdoubi, J., Van den Heijkant, S. C. C. M., Van Leerdam, F. J. M., Heymans, M. W., Crijnen, A., & Hirasings, R. A. (2015). The effect of VoorZorg, the Dutch Nurse-Family Partnership, on child maltreatment and development: A randomized controlled trial. *PLoS ONE*, *10*(4), 1-14. doi: 10.1371/journal.pone.0120182
- Mesman, J., Van IJzendoorn, M. H., & Bakermans-Kranenburg, M. J. (2009). The many faces of the Still-Face Paradigm: A review and meta-analysis. *Developmental Review*, *29*(2), 120-162. doi: 10.1016/j.dr.2009.02.001
- Miller, G. E., Chen, E., & Zhou, E. S. (2007). If it goes up, must it come down? Chronic stress and the hypothalamic-pituitary-adrenocortical axis in humans. *Psychological Bulletin*, *133*(1), 25-45. doi: 10.1037/0033-2909.133.1.25
- Miller, A. L., McDonough, S. C., Rosenblum, K. L., & Sameroff, A. J. (2002). Emotion regulation in context: Situational effects on infant and caregiver behavior. *Infancy*, *3*, 403-433. doi: 10.1207/s15327078in0304_01
- Montag, C., Fiebach, C. J., Kirsch, P., & Reuter, M. (2011). Interaction of 5-HTTLPR and a variation on the oxytocin receptor gene influences negative emotionality. *Biological Psychiatry*, *69*, 601-603. doi: 10.1016/j.biopsych.2010.10.026
- Moolenaar, D. E. G., Vlemmings, M., Van Tulder, F. P., & De Winter, J. (2016). Kosten van criminaliteit. In S. N. Kaldidien (Ed.), *Criminaliteit en rechtspraak 2015: Ontwikkelingen en samenhangen* (pp. 77-84): CBS, WODC, Raad voor de Rechtspraak.
- Moore, G. A. (2009). When negative is positive. *Monographs of the Society for Research in Child Development*, *74*(1), 89-97. doi: 10.1111/j.1540-5834.2009.00510.x
- Moore, G. A., & Calkins, S. D. (2004). Infants' vagal regulation in the still-face paradigm is related to dyadic coordination of mother-infant interaction. *Developmental Psychology*, *40*(6), 1068-1080. doi: 10.1037/0012-1649.40.6.1068
- Moore, G. A., Hill-Soderlund, A. L., Proper, C. B., Calkins, S. D., Mills-Koonce, W. R., & Cox, M. J. (2009). Mother-infant vagal regulation in the Face-to-Face Still-Face Paradigm is moderated by maternal sensitivity. *Child Development*, *80*, 209-223. doi: 10.1111/j.1467-8624.2008.01255.x
- Mundy, P., Delgado, C., Block, J., Venezia, M., Hogan, A., & Seibert, J. (2003). *A manual for the abridged Early social communication scales (ESCS)*. Manual. Coral Gables, FL.
- Muris, P., Meesters, C., & Blijlevens, P. (2007). Self-reported reactive and regulative temperament in early adolescence: Relations to internalizing and externalizing problem behavior and "Big Three" personality factors. *Journal of Adolescence*, *30*, 1035-1049. doi: 10.1016/j.adolescence.2007.03.003

- Muris, P., & Ollendick, T. H. (2005). The role of temperament in the etiology of child psychopathology. *Clinical Child and Family Psychology Review*, 8(4), 271-289. doi: 10.1007/s10567-005-8809-y
- Murphy, B. C., Eisenberg, N., Fabes, R. A., Shepard, S., & Guthrie, I. K. (1999). Consistency and change in children's emotionality and regulation: A longitudinal study. *Merrill-Palmer Quarterly-Journal of Developmental Psychology*, 45, 413-444.
- Murray-Close, D., & Ostrov, J. M. (2009). A Longitudinal Study of Forms and Functions of Aggressive Behavior in Early Childhood. *Child Development*, 80, 828-842. doi: 10.1111/j.1467-8624.2009.01300.x

N

- Nagin, D., & Tremblay, R. E. (1999). Trajectories of boys' physical aggression, opposition, and hyperactivity on the path to physically violent and nonviolent juvenile delinquency. *Child Development*, 70(5), 1181-1196. doi: 10.1111/1467-8624.00086
- Nederhof, E., Marceau, K., Shirtcliff, E. A., Hastings, P. D., & Oldehinkel, A. J. (2015). Autonomic and adrenocortical interactions predict mental health in late adolescence: The TRAILS study. *Journal of Abnormal Child Psychology*, 43(5), 847-861. doi: 10.1007/s10802-014-9958-6
- Nesse, R. M., & Young, E. A. (2000). Evolutionary origins and functions of the stress response. In G. Fink (Ed.), *Encyclopedia of stress* (Vol. 2, pp. 79-84). New York: Academic Press.
- NICHD Early Childhood Research Network (2004). Trajectories of physical aggression from toddlerhood to middle childhood: predictors, correlates, and outcomes. *Monographs of the Society for Research in Child Development*, 69, vii, 1-129. doi: 10.1111/j.0037-976X.2004.00312.x
- Nigg, J. T. (2006). Temperament and developmental psychopathology. *Journal of Child Psychology and Psychiatry*, 47, 395-422. doi: 10.1111/j.1469-7610.2006.01612.x
- Norbeck, J. S., Lindsey, A. M., & Carrieri, V. L. (1981). The development of an instrument to measure social support. *Nursing research*, 30(5), 264-269.
- Norbeck, J. S., Lindsey, A. M., & Carrieri, V. L. (1983). Further development of the Norbeck social support questionnaire: Normative data and validity testing. *Nursing research*, 32(1), 4-9.

O

- Obradovic, J., Bush, N. R., Stamperdahl, J., Adler, N. E., & Boyce, W. T. (2010). Biological Sensitivity to Context: The Interactive Effects of Stress Reactivity and Family Adversity on Socioemotional Behavior and School Readiness. *Child Development, 81*(1), 270-289. doi: 10.1111/j.1467-8624.2009.01394.x
- O'Connor, T. G., Heron, J., Golding, J., Beveridge, M., & Glover, V. (2002). Maternal antenatal anxiety and children's behavioural/emotional problems at 4 years - Report from the Avon Longitudinal Study of Parents and Children. *British Journal of Psychiatry, 180*, 502-508. doi: 10.1192/bjp.180.6.502
- Ochsner, K. N., & Gross, J. J. (2004). Thinking makes it so: A social cognitive neuroscience approach to emotion regulation. In R. F. Baumeister & K. D. Vohs (Eds.), *Handbook of self-regulation: Research, theory, and applications* (pp. 229-255). New York: Guilford.
- Oldehinkel, A. J., Hartman, C. A., De Winter, A. F., Veenstra, R., & Ormel, J. (2004). Temperament profiles associated with internalizing and externalizing problems in preadolescence. *Development and Psychopathology, 16*, 421-440. doi: 10.1017/s0954579404044591
- Olds, D. L., Henderson, C. R. J., Cole, R., Eckenrode, J., Kitzman, H., Luckey, D., . . . Powers, J. (1998). Long-term effects of nurse home visitation on behavior - 15-year follow-up of a randomized controlled trial. *JAMA, 280*. doi: 10.1001/jama.280.14.1238
- Olds, D. L., Sadler, L., & Kitzman, H. (2007). Programs for parents of infants and toddlers: recent evidence from randomized trials. *Journal of Child Psychology and Psychiatry, 48*(3-4), 355-391. doi: 10.1111/j.1469-7610.2006.01702.x
- Olson, S. L., Sameroff, A., Kerr, D. C. R., Lopez, N. L., & Wellman, H. M. (2005). Developmental foundations of externalizing problems in young children: The role of effortful control. *Development and Psychopathology, 17*(1), 25-45. doi: 10.1017/s0954579405050029
- Oosterman, M., de Schipper, J. C., Fisher, P., Dozier, M., & Schuengel, C. (2010). Autonomic reactivity in relation to attachment and early adversity among foster children. *Development and Psychopathology, 22*(1), 109-118. doi: 10.1017/s0954579409990290
- Ordway, M. R., Sadler, L. S., Dixon, J., Close, N., Mayes, L. C., & Slade, A. (2014). Lasting effects of an interdisciplinary home visiting program on child behavior: Preliminary follow-up results of a randomized trial. *Journal of Pediatric Nursing, 29*(1), 3-13. doi: 10.1016/j.pedn.2013.04.006

Ostrov, J. M., & Keating, C. F. (2004). Gender differences in preschool aggression during free play and structured interactions: An observational study. *Social Development, 13*, 255-277. doi: 10.1111/j.1467-9507.2004.000266.x

P

- Peacock, S., Konrad, S., Watson, E., Nickel, D., & Muhajarine, N. (2013). Effectiveness of home visiting programs on child outcomes: a systematic review. *BMC Public Health, 13*(1), 1-14. doi: 10.1186/1471-2458-13-17
- Pedersen, F. A., Bryan, Y. E., Huffman, L., & Del Carmen, R. (1989). *Construction of self and offspring in the pregnancy and early infancy periods*. Paper presented at the the Society for Research in Child Development, Kansas City, MO.
- Perlman, S. B., & Pelphrey, K. A. (2010). Regulatory brain development: Balancing emotion and cognition. *Social Neuroscience, 5*, 533-542. doi: 10.1080/17470911003683219
- Porges, S. W. (2003). The Polyvagal Theory: phylogenetic contributions to social behavior. *Physiology & Behavior, 79*, 503-513. doi: 10.1016/s0031-9384(03)00156-2
- Porges, S. W. (2007). A phylogenetic journey through the vague and ambiguous Xth cranial nerve: A commentary on contemporary heart rate variability research. *Biological Psychology, 74*(2), 301-307. doi: 10.1016/j.biopsycho.2006.08.007
- Porges, S. W., & Furman, S. A. (2011). The early development of the autonomic nervous system provides a neural platform for social behaviour: A polyvagal perspective. *Infant and Child Development, 20*(1), 106-118. doi: 10.1002/icd.688
- Posner, M. I., & Rothbart, M. K. (2000). Developing mechanisms of self-regulation. *Development and Psychopathology, 12*, 427-441. doi: 10.1017/s0954579400003096
- Posner, M. I., & Rothbart, M. K. (2007). Research on attention networks as a model for the integration of psychological science. *Annual Review of Psychology, 58*, 1-23. doi: 10.1146/annurev.psych.58.110405.085516
- Preacher, K. J., & Hayes, A. F. (2008). Asymptotic and resampling strategies for assessing and comparing indirect effects in multiple mediator models. *Behavior Research Methods, 40*, 879-91. doi: 10.3758/BRM.40.3.879
- Prior, M. (1992). Childhood temperament. *Journal of Child Psychology and Psychiatry and Allied Disciplines, 33*, 249-279. doi: 10.1111/j.1469-7610.1992.tb00863.x
- Propper, C. B., & Holochwost, S. J. (2013). The influence of proximal risk on the early development of the autonomic nervous system. *Developmental Review, 33*(3), 151-167. doi: 10.1016/j.dr.2013.05.001

- Propper, C., & Moore, G. A. (2006). The influence of parenting on infant emotionality: A multi-level psychobiological perspective. *Developmental Review, 26*, 427-460. doi: 10.1016/j.dr.2006.06.003
- Propper, C., Moore, G. A., Mills-Koonce, W. R., Halpern, C. T., Hill-Soderlund, A. L., Calkins, S. D., . . . Cox, M. (2008). Gene-environment contributions to the development of infant vagal reactivity: The interaction of dopamine and maternal sensitivity. *Child Development, 79*, 1377-1394. doi: 10.1111/j.1467-8624.2008.01194.x
- Putnam, S. P., Gartstein, M. A., & Rothbart, M. K. (2006). Measurement of fine-grained aspects of toddler temperament: The early childhood behavior questionnaire. *Infant Behavior & Development, 29*, 386-401. doi: 10.1016/j.infbeh.2006.01.004
- Putnam, S. P., & Rothbart, M. K. (2006). Development of short and very short forms of the Children's Behavior Questionnaire. *Journal of Personality Assessment, 87*, 102-112. doi: 10.1207/s15327752jpa8701_09

Q

- Quas, J. A., Yim, I. S., Oberlander, T. F., Nordstokke, D., Essex, M. J., Armstrong, J. M., . . . Boyce, W. T. (2014). The symphonic structure of childhood stress reactivity: Patterns of sympathetic, parasympathetic, and adrenocortical responses to psychological challenge. *Development and Psychopathology, 26*(4), 963-982. doi: 10.1017/s0954579414000480
- Quigley, K. S., & Stifter, C. A. (2006). A comparative validation of sympathetic reactivity in children and adults. *Psychophysiology, 43*(4), 357-365. doi: 10.1111/j.1469-8986.2006.00405.x

R

- Raaijmakers, M. A. J., Smidts, D. P., Sergeant, J. A., Maassen, G. H., Posthumus, J. A., van Engeland, H., & Matthys, W. (2008). Executive functions in preschool children with aggressive behavior: Impairments in inhibitory control. *Journal of Abnormal Child Psychology, 36*(7), 1097-1107. doi: 10.1007/s10802-008-9235-7
- Raine, A. (2002). Biosocial studies of antisocial and violent behavior in children and adults: A review. *Journal of Abnormal Child Psychology, 30*(4), 311-326. doi: 10.1023/a:1015754122318

- Raine, A., Venables, P. H., & Mednick, S. A. (1997). Low resting heart rate at age 3 years predisposes to aggression at age 11 years: Evidence from the Mauritius Child Health Project. *Journal of the American Academy of Child and Adolescent Psychiatry, 36*(10), 1457-1464. doi: 10.1097/00004583-199710000-00029
- Randall, W. C., Randall, D. C., & Ardell, J. L. (1991). Autonomic regulation of myocardial contractility In I. H. Zuckerman & J. P. Gilmore (Eds.), *Reflex control of circulation* (pp. 39-65). Boca Raton, FL: CRS Press.
- Reijman, S., Alink, L. R. A., Compier- de Bock, L. H. C. G., Werner, C. D., Maras, A., Rijnberk, C., Van IJzendoorn, M. H., & Bakermans- Kranenburg, M. J. (2014). Autonomic reactivity to infant crying in maltreating mothers. *Child Maltreatment, 19*, 101-112. doi: 10.1177/1077559514538115
- Repacholi, B. M., & Gopnik, A. (1997). Early reasoning about desires: Evidence from 14- and 18-month-olds. *Developmental Psychology, 33*(1), 12-21. doi: 10.1037/0012-1649.33.1.12
- Repetti, R. L., Taylor, S. E., & Seeman, T. E. (2002). Risky families: Family social environments and the mental and physical health of offspring. *Psychological Bulletin, 128*, 330-366. doi: 10.1037//0033-2909.128.2.330
- Reynell, J. K. (1985). *Reynell Developmental Language Scales* (2 ed.). Windsor: NFER Nelson.
- Riese, H., Groot, P. F. C., Van den Berg, M., Kupper, N. H. M., Magnee, E. H. B., Rohaan, E. J., . . . De Geus, E. J. C. (2003). Large-scale ensemble averaging of ambulatory impedance cardiograms. *Behavior Research Methods Instruments & Computers, 35*(3), 467-477. doi: 10.3758/bf03195525
- Robinson, J. L., & Acevedo, M. C. (2001). Infant reactivity and reliance on mother during emotion challenges: Prediction of cognition and language skills in a low-income sample. *Child Development, 72*, 402-415. doi: 10.1111/1467-8624.00286
- Robling, M., Bekkers, M.-J., Bell, K., Butler, C. C., Cannings-John, R., Channon, S., . . . Torgerson, D. (2016). Effectiveness of a nurse-led intensive home-visitation programme for first-time teenage mothers (Building Blocks): a pragmatic randomised controlled trial. *The Lancet, 387*(10014), 146-155. doi: [http://dx.doi.org/10.1016/S0140-6736\(15\)00392-X](http://dx.doi.org/10.1016/S0140-6736(15)00392-X)
- Roth, R. M., Isquith, P. K., & Gioia, G. A. (2005). *BRIEF-A. Behavior rating inventory of executive function-adult version professional manual*. Lutz: Psychological Assessment Resources.
- Rothbart, M. K. (1981). Measurement of temperament in infancy. *Child Development, 52*, 569-578.

- Rothbart, M. K., & Bates, J. E. (2006). Temperament. In W. Damon & N. Eisenberg (Eds.), *Developmental psychopathology: Vol. 3. Social, emotional, and personality development (6th ed.)* (pp. 105-176). New York: Wiley.
- Rothbart, M. K., Ellis, L. K., Rueda, M. R., & Posner, M. I. (2003). Developing mechanisms of temperamental effortful control. *Journal of Personality, 71*(6), 1113-1143. doi: 10.1111/1467-6494.7106009

S

- Sadler, L. S., Slade, A., Close, N., Webb, D. L., Simpson, T., Fennie, K., & Mayes, L. C. (2013). Minding the Baby: Enhancing reflectiveness to improve early health and relationship outcomes in an interdisciplinary home-visiting program. *Infant Mental Health Journal, 34*(5), 391-405. doi: 10.1002/imhj.21406
- Sanson, A., Prior, M., & Kyrios, M. (1990). Contamination of measures in temperament research *Merrill-Palmer Quarterly-Journal of Developmental Psychology, 36*, 179-192.
- Salomon, K., Matthews, K. A., & Allen, M. T. (2000). Patterns of sympathetic and parasympathetic reactivity in a sample of children and adolescents. *Psychophysiology, 37*(6), 842-849. doi: 10.1111/1469-8986.3760842
- Santucci, A. K., Silk, J. S., Shaw, D. S., Gentzler, A., Fox, N. A., & Kovacs, M. (2008). Vagal tone and temperament as predictors of emotion regulation strategies in young children. *Developmental Psychobiology, 50*(3), 205-216. doi: 10.1002/dev.20283
- Schlichting, J. E. P. T., Van Eldik, M. C. M., Lutje Spelberg, H. C., Van der Meulen, S., & Van der Meulen, B. F. (1995). *Schlichting Test voor Taalproductie*. Nijmegen: Berkhout Nijmegen BV.
- Schuetze, P., Eiden, R. D., Colder, C. R., Gray, T. R., & Huestis, M. A. (2013). Physiological regulation at 9 months of age infants prenatally exposed to cigarettes. *Infancy, 18*, 233-255. Doi: 10.1111/j.1532-7078.2012.00118.x
- Serbin, L. A., Cooperman, J. M., Peters, P. L., Lehoux, P. M., Stack, D. M., & Schwartzman, A. E. (1998). Intergenerational transfer of psychosocial risk in women with childhood histories of aggression, withdrawal, or aggression and withdrawal. *Developmental Psychology, 34*(6), 1246-1262. doi: 10.1037/0012-1649.34.6.1246

- Sheehan, D. V., Lecrubier, Y., Harnett Sheehan, K., Janavs, J., Weiller, E., Keskiner, A., . . . Dunbar, G. C. (1997). The validity of the Mini International Neuropsychiatric Interview (MINI) according to the SCID-P and its reliability. *European Psychiatry, 12*(5), 232-241. doi: [http://dx.doi.org/10.1016/S0924-9338\(97\)83297-X](http://dx.doi.org/10.1016/S0924-9338(97)83297-X)
- Sherman, E. M. S., & Brooks, B. L. (2010). Behavior Rating Inventory of Executive Function - Preschool Version (BRIEF-P): Test review and clinical guidelines for use. *Child Neuropsychology, 16*, 503-519. doi: 10.1080/09297041003679344
- Sijtsema, J. J., Van Roon, A. M., Groot, P. F. C., & Riese, H. (2015). Early life adversities and adolescent antisocial behavior: The role of cardiac autonomic nervous system reactivity in the TRAILS study. *Biological Psychology, 110*, 24-33. doi: 10.1016/j.biopsycho.2015.06.012
- Slaats-Willemse, D., Swaab-Barneveld, H., de Sonnevile, L., van der Meulen, E., & Buitelaar, J. (2003). Deficient response inhibition as a cognitive endophenotype of ADHD. *Journal of the American Academy of Child and Adolescent Psychiatry, 42*, 1242-1248. doi: 10.1097/01.chi.0000081825.25107.f2
- Slade, A. (2002). Keeping the baby mind: A critical factor in perinatal mental health. *Zero to three, 22*(6), 10-16.
- Slade, A., Aber, J. L., Berger, B., Bresgi, I., & Kaplan, M. (2003). *The parent development interview - revised*. City University of New York. New York.
- Slade, A., Bernbach, E., Grienenger, J., Levy, D., & Locker, A. (2005). *Manual for scoring reflective functioning on the Parent Development Interview*. New York: The City University of New York.
- Slade, A., Patterson, M., & Miller, M. R. (2007). *Addendum to reflective functioning scoring manual for use with the pregnancy interview, version 2.0*.
- Slade, A., Sadler, L., De Dios-kenn, C., Webb, D., Currier-Ezepchick, J., & Mayes, L. C. (2005). Minding the baby: A reflective parenting program. *The Psychoanalytic Study of the Child, 60*, 74-100.
- Slade, A., Sadler, L. S., Close, N., Webb, D., de Dios-Kenn, C., Ezepchick, J., & al., e. (2010). *Minding the baby treatment manual*. New Haven, CT: Yale University.
- Slade, A., Sadler, L. S., & Mayes, L. C. (2005). Minding the Baby: Enhancing parental reflective functioning in a nursing/mental health home visiting program. In L. J. Berlin, Y. Ziv, L. Amaya-Jackson, & M. T. Greenberg (Eds.), *Enhancing early attachments: Theory, research, intervention, and policy* (pp. 152-177). New York: Guilford Press.

- Slaughter, V., & McConnell, D. (2003). Emergence of Joint Attention: Relationships Between Gaze Following, Social Referencing, Imitation, and Naming in Infancy. *Journal of Genetic Psychology, 164*(1), 54. doi: 10.1080/00221320309597503
- Smaling, H. J. A., Huijbregts, S. C. J., Suurland, J., Van der Heijden, K. B., Van Goozen, S. H. M., & Swaab, H. (2015). Prenatal reflective functioning in primiparous women with a high-risk profile *Infant Mental Health Journal, 36*(3), 251-261. doi: 10.1002/imhj.21506
- Smeets, K. C., Leeijen, A. A. M., van der Molen, M. J., Scheepers, F. E., Buitelaar, J. K., & Rommelse, N. N. J. (2015). Treatment moderators of cognitive behavior therapy to reduce aggressive behavior: a meta-analysis. *European Child & Adolescent Psychiatry, 24*(3), 255-264. doi: 10.1007/s00787-014-0592-1
- Spielberger, C. D. (2010). State-Trait Anxiety Inventory *The Corsini Encyclopedia of Psychology*: John Wiley & Sons, Inc.
- Spielberger, C. D., Gorsuch, R. L., & Lushene, R. E. (1970). *The state-trait anxiety inventory*. Palo Alto, Calif: Consulting Psychologists Press Inc.
- Spinrad, T. L., Eisenberg, N., Gaertner, B., Popp, T., Smith, C. L., Kupfer, A., . . . Hofer, C. (2007). Relations of maternal socialization and toddlers' effortful control to children's adjustment and social competence. *Developmental Psychology, 43*(5), 1170-1186. doi: 10.1037/0012-1649.43.5.1170
- Stattin, H., & Magnusson, D. (1989). The role of early aggressive-behavior in the frequency, seriousness, and types of later crime. *Journal of Consulting and Clinical Psychology, 57*(6), 710-718. doi: 10.1037//0022-006x.57.6.710
- Sterzer, P., & Stadler, C. (2009). Neuroimaging of aggressive and violent behaviour in children and adolescents. *Frontiers in Behavioral Neuroscience, 3*. doi: 10.3389/neuro.08.035.2009
- Stifter, C. A., Dollar, J. M., & Cipriano, E. A. (2011). Temperament and emotion regulation: the role of autonomic nervous system reactivity. *Developmental Psychobiology, 53*(3), 266-279. doi: 10.1002/dev.20519
- Stifter, C. A., & Spinrad, T. L. (2002). The effect of excessive crying on the development of emotion regulation. *Infancy, 3*, 133-152. doi: 10.1207/s15327078in0302_2
- Suchman, N. E., DeCoste, C., Castiglioni, N., McMahon, T. J., Rounsaville, B., & Mayes, L. C. (2010). The Mothers and Toddlers Program, an attachment-based parenting intervention for substance using women: Post-treatment results from a randomized clinical pilot. *Attachment & Human Development, 12*(5), 483-504. doi: 10.1080/14616734.2010.501983

- Suurland, J., Van der Heijden, K. B., Smaling, H. J. A., Huijbregts, S. C. J., Van Goozen, S. H. M., & Swaab, H. (2016). Infant autonomic nervous system response and recovery: Associations with maternal risk status and infant emotion regulation. *Development and Psychopathology*, *Jun 17*, 1-15 [Epub ahead of print]. doi: 10.1017/S0954579416000456
- Sweet, M. A., & Appelbaum, M. I. (2004). Is home visiting an effective strategy? A meta-analytic review of home visiting programs for families with young children. *Child Development*, *75*(5), 1435-1456. doi: 10.1111/j.1467-8624.2004.00750.x

T

- Tremblay, R. E. (2000). The development of aggressive behaviour during childhood: What have we learned in the past century? *International Journal of Behavioral Development*, *24*(2), 129-141.
- Tremblay, R. E., Japel, C., Perusse, D., McDuff, P., Boivin, M., Zoccolillo, M., & Montplaisir, J. (1999). The search for the age of ‘onset’ of physical aggression: Rousseau and Bandura revisited. *Criminal Behaviour and Mental Health*, *9*, 8-23. doi: 10.1002/cbm.288
- Tremblay, R. E., Masse, B., Perron, D., Leblanc, M., Schwartzman, A. E., & Ledingham, J. E. (1992). Early disruptive behavior, poor school achievement, delinquent behavior, and delinquent personality: Longitudinal analyses. *Journal of Consulting and Clinical Psychology*, *60*, 64-72. doi: 10.1037//0022-006x.60.1.64
- Tremblay, R. E., Nagin, D. S., Seguin, J. R., Zoccolillo, M., Zelazo, P. D., Boivin, M., . . . Japel, C. (2004). Physical aggression during early childhood: Trajectories and predictors. *Pediatrics*, *114*(1), E43-E50. doi: 10.1542/peds.114.1.e43
- Tronick, E., Als, H., Adamson, L., Wise, S., & Brazelton, T. B. (1978). Infants response to entrapment between contradictory messages in face-to-face interaction. *Journal of the American Academy of Child and Adolescent Psychiatry*, *17*(1), 1-13. doi: 10.1016/s0002-7138(09)62273-1

U

- Utendale, W. T., & Hastings, P. D. (2011). Developmental changes in the relations between inhibitory control and externalizing problems during early childhood. *Infant and Child Development*, *20*, 181-193. doi: 10.1002/icd.691

V

- Valiente, C., Eisenberg, N., Smith, C. L., Reiser, M., Fabes, R. A., Losoya, S., . . . Murphy, B. C. (2003). The relations of effortful control and reactive control to children's externalizing problems: A longitudinal assessment. *Journal of Personality, 71*, 1171-1196. doi: 10.1111/1467-6494.7106011
- Van Bussel, J. C. H., Spitz, B., & Demyttenaere, K. (2010). Reliability and validity of the Dutch version of the maternal antenatal attachment scale. *Archives of Women's Mental Health, 13*(3), 267-277. doi: 10.1007/s00737-009-0127-9
- Van der Heijden, K. B., Suurland, J., De Sonnevile, L. M. J., & Swaab, H. (2013). *BRIEF-P Vragenlijst Executieve Functies bij peuters*. Amsterdam: Hogrefe.
- Van Dijk, A. E., Van Eijsden, M., Stronks, K., Gemke, R. J. B. J., & Vrijkotte, T. G. M. (2012). Prenatal Stress and Balance of the Child's Cardiac Autonomic Nervous System at Age 5-6 Years. *Plos One, 7*. doi: 10.1371/journal.pone.0030413
- Van Goozen, S. H. M., Fairchild, G., & Harold, G. T. (2008). The role of neurobiological deficits in childhood antisocial behavior. *Current Directions in Psychological Science, 17*(3), 224-228. doi: 10.1111/j.1467-8721.2008.00579.x
- Van Goozen, S. H. M., Fairchild, G., Snoek, H., & Harold, G. T. (2007). The evidence for a neurobiological model of childhood antisocial behavior. *Psychological Bulletin, 133*(1), 149-182. doi: 10.1037/0033-2909.133.1.149
- Van Vliet, I. M., & De Beurs, E. (2007). The MINI-International Neuropsychiatric Interview. A brief structured diagnostic psychiatric interview for DSM-IV and ICD-10 psychiatric disorders. *Tijdschr Psychiatr, 49*(6), 393-397.
- Van Vliet, I. M., Leroy, H., & Van Megen, H. J. G. M. (2000). MINI plus. International neuropsychological interview. Nederlandse Versie 5.0. 0.[Dutch Version 5.0. 0].

W

- Waters, S. F., Boyce, W. T., Eskenazi, B., & Alkon, A. (2016). The impact of maternal depression and overcrowded housing on associations between autonomic nervous system reactivity and externalizing behavior problems in vulnerable Latino children. *Psychophysiology, 53*(1), 97-104. doi: 10.1111/psyp.12539
- Wechsler, D. (2005). *WAIS-III NL. Wechsler Adult Intelligence Scale WAIS-III. Dutch version. Manual* (3rd ed.). Amsterdam: Harcourt Test Publishers.

- Weinberg, M. K., & Tronick, E. Z. (1996). Infant affective reactions to the resumption of maternal interaction after the still-face. *Child Development, 67*, 905-914. doi: 10.1111/j.1467-8624.1996.tb01772.x
- Weinberg, M. K., Tronick, E. Z., & Cohn, J. F. (1999). Gender differences in emotional expressivity and self-regulation during early infancy. *Developmental Psychology, 35*, 175-188. doi: 10.1037/0012-1649.35.1.175
- Willemsen, G. H. M., De Geus, E. J. C., Klaver, C. H. A. M., Van Doornen, L. J. P., & Carroll, D. (1996). Ambulatory monitoring of the impedance cardiogram. *Psychophysiology, 33*, 184-193. doi: 10.1111/j.1469-8986.1996.tb02122.x
- World Health Organization. (2005). Child abuse and neglect. 2014, from http://who.int/violence_injury_prevention/violence/neglect/en/print.html
- WorldHealthOrganization. (2016). Adolescent pregnancy. Retrieved May 4, 2016

Y

- Young, S. K., Fox, N. A., & Zahn-Waxler, C. (1999). The relations between temperament and empathy in 2-year-olds. *Developmental Psychology, 35*(5), 1189-1197. doi: 10.1037/0012-1649.35.5.1189

Z

- Zahn-Waxler, C., Robinson, J. L., & Emde, R. N. (1992). The development of empathy in twins. *Developmental Psychology, 28*(6), 1038-1047. doi: 10.1037//0012-1649.28.6.1038
- Zelazo, P. D. (2006). The Dimensional Change Card Sort (DCCS): a method of assessing executive function in children. *Nat. Protocols, 1*(1), 297-301. doi: 10.1038/nprot.2006.46
- Zhou, Q., Chen, S. H., & Main, A. (2012). Commonalities and differences in the research on children's effortful control and executive function: A call for an integrated model of self-regulation. *Child Development Perspectives, 6*, 112-121. doi: 10.1111/j.1750-8606.2011.00176.x
- Zimet, G. D., Dahlem, N. W., Zimet, S. G., & Farley, G. K. (1988). The Multidimensional Scale of Perceived Social Support. *Journal of Personality Assessment, 52*(1), 30.

