

References

- Achenbach, T. M., & Edelbrock, C. (1981). Child behavior checklist. *Burlington, VT*.
- Allen, C. W., Silove, N., Williams, K., & Hutchins, P. (2007). Validity of the Social Communication Questionnaire in Assessing Risk of Autism in Preschool Children with Developmental Problems. *Journal of Autism and Developmental Disorders, 37*(7), 1272–1278.
<http://doi.org/10.1007/s10803-006-0279-7>
- Atladóttir, H. Ó., Thorsen, P., Østergaard, L., Schendel, D. E., Lemcke, S., Abdallah, M., & Parner, E. T. (2010). Maternal Infection Requiring Hospitalization During Pregnancy and Autism Spectrum Disorders. *Journal of Autism and Developmental Disorders, 40*(12), 1423–1430.
<http://doi.org/10.1007/s10803-010-1006-y>
- Autism and Developmental Disabilities Monitoring Network Surveillance Year 2010 Principal Investigators. (2014). Prevalence of autism spectrum disorder among children aged 8 years—autism and developmental disabilities monitoring network, 11 sites, United States, 2010. *MMWR Surveillance Summaries, 63*(2).
- Bailey, A., Le Couteur, A., Gottesman, I., Bolton, P., Simonoff, E., Yuzda, E., & Rutter, M. (1995). Autism as a strongly genetic disorder: evidence from a British twin study. *Psychological Medicine, 25*(01), 63–77.
- Bailey, A., Palferman, S., Heavey, L., & Le Couteur, A. (1998). Autism: The phenotype in relatives. *Journal of Autism and Developmental Disorders, 28*(5), 369–392.
- Baird, G., Simonoff, E., Pickles, A., Chandler, S., Loucas, T., Meldrum, D., & Charman, T. (2006). Prevalence of disorders of the autism spectrum in a population cohort of children in South Thames: the Special Needs and Autism Project (SNAP). *The Lancet, 368*(9531), 210–215.
- Barton, M., & Volkmar, F. (1998). How commonly are known medical conditions associated with autism? *Journal of Autism and Developmental Disorders, 28*(4), 273–278.

Bhasin, T. K., & Schendel, D. (2007). Sociodemographic Risk Factors for Autism in a US Metropolitan Area. *Journal of Autism and Developmental Disorders*, 37(4), 667–677.

<http://doi.org/10.1007/s10803-006-0194-y>

Buie, T., Fuchs, G. J., Furuta, G. T., Kooros, K., Levy, J., Lewis, J. D., ... Winter, H. (2010). Recommendations for Evaluation and Treatment of Common Gastrointestinal Problems in Children With ASDs. *PEDIATRICS*, 125(Supplement), S19–S29.

<http://doi.org/10.1542/peds.2009-1878D>

Chaidez, V., Hansen, R. L., & Hertz-Picciotto, I. (2014). Gastrointestinal Problems in Children with Autism, Developmental Delays or Typical Development. *Journal of Autism and Developmental Disorders*, 44(5), 1117–1127. <http://doi.org/10.1007/s10803-013-1973-x>

Chess, S. (1971). Autism in children with congenital rubella. *Journal of Autism and Childhood Schizophrenia*, 1(1), 33–47.

Close, H. A., Lee, L.-C., Kaufmann, C. N., & Zimmerman, A. W. (2012). Co-occurring Conditions and Change in Diagnosis in Autism Spectrum Disorders. *PEDIATRICS*, 129(2), e305–e316.

<http://doi.org/10.1542/peds.2011-1717>

Comi, A. M., Zimmerman, A. W., Frye, V. H., Law, P. A., & Peeden, J. N. (1999). Familial clustering of autoimmune disorders and evaluation of medical risk factors in autism. *Journal of Child Neurology*, 14(6), 388–394.

Constantino, J. N., & Gruber, C. P. (2002a). The social responsiveness scale. *Los Angeles: Western Psychological Services*.

Constantino, J. N., & Gruber, C. P. (2002b). The social responsiveness scale. *Los Angeles: Western Psychological Services*.

Constantino, J. N., & Todd, R. D. (2014). Genetic structure of reciprocal social behavior. *American Journal of Psychiatry*. Retrieved from

<http://ajp.psychiatryonline.org/doi/10.1176/appi.ajp.157.12.2043>

Cook, E. H. (1990). Autism: review of neurochemical investigation. *Synapse*, 6(3), 292–308.

Corsello, C., Cook, E., & Leventhal, B. (2003). A screening instrument for autistic spectrum disorders.

In Biennial Meeting of the Society for Research in Child Development, Miami, FL.

Couteur, A., Bailey, A., Goode, S., Pickles, A., Gottesman, I., Robertson, S., & Rutter, M. (1996). A broader phenotype of autism: the clinical spectrum in twins. *Journal of Child Psychology and Psychiatry*, 37(7), 785–801.

Croen, L. A., Grether, J. K., & Selvin, S. (2002). Descriptive epidemiology of autism in a California population: who is at risk? *Journal of Autism and Developmental Disorders*, 32(3), 217–224.

Daniels, W., Warren, R., Odell, J., Maciulis, A., Burger, R., Warren, W., & Torres, A. (1995). Increased Frequency of the Extended or Ancestral Haplotype B44-SC3O-DR4 in Autism.

Neuropsychobiology, 32(3), 120–123.

Deykin, E. Y., & MacMahon, B. (1979). The incidence of seizures among children with autistic symptoms. *The American Journal of Psychiatry*.

Durkin, M. S., Maenner, M. J., Meaney, F. J., Levy, S. E., DiGuseppi, C., Nicholas, J. S., ... Schieve, L. A. (2010). Socioeconomic inequality in the prevalence of autism spectrum disorder: evidence from a U.S. cross-sectional study. *PLoS One*, 5(7), e11551.

<http://doi.org/10.1371/journal.pone.0011551>

Eaton, W. W., Mortensen, P. B., Thomsen, P. H., & Frydenberg, M. (2001). Obstetric complications and risk for severe psychopathology in childhood. *Journal of Autism and Developmental Disorders*, 31(3), 279–285.

Eaves, L. C. (2006). Screening for autism: Agreement with diagnosis. *Autism*, 10(3), 229–242.

<http://doi.org/10.1177/1362361306063288>

Eaves, L. C., Wingert, H. D., Ho, H. H., & MICKELSON, E. C. (2006). Screening for autism spectrum

disorders with the social communication questionnaire. *Journal of Developmental & Behavioral Pediatrics*, 27(2), S95–S103.

Efficient_Use_of_Biological_Banks_for_Biochemical.9.pdf. (n.d.).

Eufemia, P. d', Celli, M., Finocchiaro, R., Pacifico, L., Viozzi, L., Zaccagnini, M., ... Giardini, O. (1996). Abnormal intestinal permeability in children with autism. *Acta Paediatrica*, 85(9), 1076–1079.

Funderburk, S. J., Carter, J., Tanguay, P., Freeman, B. J., & Westlake, J. R. (1983). Parental reproductive problems and gestational hormonal exposure in autistic and schizophrenic children. *Journal of Autism and Developmental Disorders*, 13(3), 325–332.

Ganea, D., & Delgado, M. (2002). Vasoactive intestinal peptide (VIP) and pituitary adenylate cyclase-activating polypeptide (PACAP) as modulators of both innate and adaptive immunity. *Critical Reviews in Oral Biology & Medicine*, 13(3), 229–237.

García-Closas, M., Egan, K. M., Abruzzo, J., Newcomb, P. A., Titus-Ernstoff, L., Franklin, T., ... others. (2001). Collection of genomic DNA from adults in epidemiological studies by buccal cytobrush and mouthwash. *Cancer Epidemiology Biomarkers & Prevention*, 10(6), 687–696.

Georgiades, S., Szatmari, P., Boyle, M., Hanna, S., Duku, E., Zwaigenbaum, L., ... Pathways in ASD Study Team. (2013). Investigating phenotypic heterogeneity in children with autism spectrum disorder: a factor mixture modeling approach: ASD factor mixture model. *Journal of Child Psychology and Psychiatry*, 54(2), 206–215. <http://doi.org/10.1111/j.1469-7610.2012.02588.x>

Geschwind, D. H. (2011). Genetics of autism spectrum disorders. *Trends in Cognitive Sciences*, 15(9), 409–416. <http://doi.org/10.1016/j.tics.2011.07.003>

Geschwind, N., & Behan, P. O. (1984). Laterality, hormones, and immunity. *Cerebral Dominance: The Biological Foundations*, 211–224.

Gotham, K., Risi, S., Pickles, A., & Lord, C. (2007). The Autism Diagnostic Observation Schedule:

- Revised Algorithms for Improved Diagnostic Validity. *Journal of Autism and Developmental Disorders*, 37(4), 613–627. <http://doi.org/10.1007/s10803-006-0280-1>
- Gupta, S., Aggarwal, S., Rathanravan, B., & Lee, T. (1998). Th1-and Th2-like cytokines in CD4+ and CD8+ T cells in autism. *Journal of Neuroimmunology*, 85(1), 106–109.
- Hallmayer, J. (2011). Genetic Heritability and Shared Environmental Factors Among Twin Pairs With Autism. *Archives of General Psychiatry*, 68(11), 1095.
<http://doi.org/10.1001/archgenpsychiatry.2011.76>
- Hanson, E., Sullivan, N., Ware, J., Lord, C., & Thum, A. (2002). Social communication questionnaire (SCQ). In *International Meeting for Autism Research*.
- Höglund Carlsson, L., Norrelgen, F., Kjellmer, L., Westerlund, J., Gillberg, C., & Fernell, E. (2013). Coexisting Disorders and Problems in Preschool Children with Autism Spectrum Disorders. *The Scientific World Journal*, 2013, 1–6. <http://doi.org/10.1155/2013/213979>
- Hönekopp, J. (2012). Digit Ratio 2D:4D in Relation to Autism Spectrum Disorders, Empathizing, and Systemizing: A Quantitative Review: Digit ratio 2D:4D and autism. *Autism Research*, 5(4), 221–230. <http://doi.org/10.1002/aur.1230>
- Horvath, K., Papadimitriou, J. C., Rabsztyan, A., Drachenberg, C., & Tildon, J. T. (1999). Gastrointestinal abnormalities in children with autistic disorder. *The Journal of Pediatrics*, 135(5), 559–563.
- Insel, T. R., O'Brien, D. J., & Leckman, J. F. (1999). Oxytocin, vasopressin, and autism: is there a connection? *Biological Psychiatry*, 45(2), 145–157.
- Ivarsson, S., Bjerre, I., Vegfors, P., & Ahlfors, K. (1990). Autism as one of several disabilities in two children with congenital cytomegalovirus infection. *Neuropediatrics*, 21(2), 102–103.
- Johnson, W. G., Buyske, S., Mars, A. E., Sreenath, M., Stenroos, E. S., Williams, T. A., ... Lambert, G. H. (2009). HLA-DR4 as a risk allele for autism acting in mothers of probands possibly during

pregnancy. *Archives of Pediatrics & Adolescent Medicine*, 163(6), 542–546.

Jyonouchi, H., Sun, S., & Le, H. (2001). Proinflammatory and regulatory cytokine production associated with innate and adaptive immune responses in children with autism spectrum disorders and developmental regression. *Journal of Neuroimmunology*, 120(1), 170–179.

Kanner, L. (1943). Autistic disturbances of affective contact. *Nervous Child*.

Korvatska, E., Van de Water, J., Anders, T. F., & Gershwin, M. E. (2002). Genetic and Immunologic Considerations in Autism. *Neurobiology of Disease*, 9(2), 107–125.

<http://doi.org/10.1006/nbdi.2002.0479>

Krause, I., He, X.-S., Gershwin, M. E., & Shoenfeld, Y. (2002). Brief report: immune factors in autism: a critical review. *Journal of Autism and Developmental Disorders*, 32(4), 337–345.

Le Couteur, A., Lord, C., & Rutter, M. (2003). The autism diagnostic interview-revised (ADI-R). *Los Angeles, CA: Western Psychological Services*.

Lee, L.-C., David, A. B., Rusyniak, J., Landa, R., & Newschaffer, C. J. (2007). Performance of the Social Communication Questionnaire in children receiving preschool special education services. *Research in Autism Spectrum Disorders*, 1(2), 126–138.

<http://doi.org/10.1016/j.rasd.2006.08.004>

Lee, L.-C., Zachary, A. A., Leffell, M. S., Newschaffer, C. J., Matteson, K. J., Tyler, J. D., & Zimmerman, A. W. (2006). HLA-DR4 in Families With Autism. *Pediatric Neurology*, 35(5), 303–307. <http://doi.org/10.1016/j.pediatrneurol.2006.06.006>

Levy, S. E., Giarelli, E., Lee, L.-C., Schieve, L. A., Kirby, R. S., Cunniff, C., ... Rice, C. E. (2010). Autism Spectrum Disorder and Co-occurring Developmental, Psychiatric, and Medical Conditions Among Children in Multiple Populations of the United States: *Journal of Developmental & Behavioral Pediatrics*, 31(4), 267–275.

<http://doi.org/10.1097/DBP.0b013e3181d5d03b>

- Lord, C., Rutter, M., DiLavore, P., & Risi, S. (2002). *Autism diagnostic observation schedule: ADOS*. Western Psychological Services Los Angeles, CA.
- Lord, C., Rutter, M., DiLavore, P., Risi, S., Gotham, K., & Bishop, S. (2012). *Autism Diagnostic Observation Schedule—2nd edition (ADOS-2)*. Los Angeles, CA: Western Psychological Corporation.
- Lord, C., Rutter, M., & Le Couteur, A. (1994). Autism Diagnostic Interview-Revised: a revised version of a diagnostic interview for caregivers of individuals with possible pervasive developmental disorders. *Journal of Autism and Developmental Disorders*, 24(5), 659–685.
- Lotter, V. (1967). Epidemiology of autistic conditions in young children. *Social Psychiatry*, 1(4), 163–173.
- Manning, J., & Bundred, P. (2000). The ratio of 2nd to 4th digit length: a new predictor of disease predisposition? *Medical Hypotheses*, 54(5), 855–857.
- Manning, J. T. (2002). *Digit ratio: A pointer to fertility, behavior, and health*. Rutgers University Press.
- Mazzocchi, G., Malendowicz, L. K., Rebuffat, P., Gottardo, L., & Nussdorfer, G. G. (2002). Expression and function of vasoactive intestinal peptide, pituitary adenylate cyclase-activating polypeptide, and their receptors in the human adrenal gland. *The Journal of Clinical Endocrinology & Metabolism*, 87(6), 2575–2580.
- Miles, J. H. (2011). Autism spectrum disorders—A genetics review. *Genetics in Medicine*, 13(4), 278–294. <http://doi.org/10.1097/GIM.0b013e3181ff67ba>
- Minderaa, R. B., Anderson, G. M., Volkmar, F. R., Akkerhuis, G. W., & Cohen, D. J. (1987). Urinary 5-hydroxyindoleacetic acid and whole blood serotonin and tryptophan in autistic and normal subjects. *Biological Psychiatry*, 22(8), 933–940.
- Modahl, C., Green, L. A., Fein, D., Morris, M., Waterhouse, L., Feinstein, C., & Levin, H. (1998). Plasma oxytocin levels in autistic children. *Biological Psychiatry*, 43(4), 270–277.

- Mullen, E. M., & others. (1995). *Mullen scales of early learning*. AGS Circle Pines, MN.
- Nelson, K. B., Grether, J. K., Croen, L. A., Dambrosia, J. M., Dickens, B. F., Jelliffe, L. L., ... Phillips, T. M. (2001). Neuropeptides and neurotrophins in neonatal blood of children with autism or mental retardation. *Annals of Neurology*, 49(5), 597–606.
- Newschaffer, C. J., Croen, L. A., Daniels, J., Giarelli, E., Grether, J. K., Levy, S. E., ... Windham, G. C. (2007). The Epidemiology of Autism Spectrum Disorders *. *Annual Review of Public Health*, 28(1), 235–258. <http://doi.org/10.1146/annurev.publhealth.28.021406.144007>
- Piven, J., Palmer, P., Jacobi, D., Childress, D., & Arndt, S. (1997). Broader autism phenotype: evidence from a family history study of multiple-incidence autism families. *American Journal of Psychiatry*, 154(2), 185–190.
- Piven, J., Simon, J., Chase, G. A., Wzorek, M., Landa, R., Gayle, J., & Folstein, S. (1993). The etiology of autism: pre-, peri-and neonatal factors. *Journal of the American Academy of Child & Adolescent Psychiatry*, 32(6), 1256–1263.
- Ronalds, G., Phillips, D. I. W., Godfrey, K. M., & Manning, J. T. (2002). The ratio of second to fourth digit lengths: a marker of impaired fetal growth? *Early Human Development*, 68(1), 21–26.
- Rutter, M., & Lockyer, L. (1967). A five to fifteen year follow-up study of infantile psychosis I. Description of sample. *The British Journal of Psychiatry*, 113(504), 1169–1182.
- Sasson, N. J., Lam, K. S., Parlier, M., Daniels, J. L., & Piven, J. (2013). Autism and the broad autism phenotype: familial patterns and intergenerational transmission. *J Neurodev Disord*, 5(1), 11.
- Schopler, E., Andrews, C. E., & Strupp, K. (1979). Do autistic children come from upper-middle-class parents? *Journal of Autism and Developmental Disorders*, 9(2), 139–152.
- Singh, V. K., Warren, R. P., Odell, J. D., Warren, W. L., & Cole, P. (1993). Antibodies to myelin basic protein in children with autistic behavior. *Brain, Behavior, and Immunity*, 7(1), 97–103.
- Sparrow, S. S., Balla, D. A., Cicchetti, D. V., Harrison, P. L., & Doll, E. A. (1984). Vineland adaptive

behavior scales.

- Tordjman, S., McBride, P. A., Hertzog, M. E., Snow, M. E., Anderson, G. M., Hall, L. M., ... Cohen, D. J. (1997). Plasma β -endorphin, adrenocorticotropin hormone, and cortisol in autism. *Journal of Child Psychology and Psychiatry*, 38(6), 705–715.
- Treffert, D. A. (1970). Epidemiology of infantile autism. *Archives of General Psychiatry*, 22(5), 431–438.
- Tsai, L., Stewart, M. A., Faust, M., & Shook, S. (1982). Social class distribution of fathers of children enrolled in the Iowa Autism Program. *Journal of Autism and Developmental Disorders*, 12(3), 211–221.
- Warren, R. P., Singh, V. K., Cole, P., Odell, J. D., Pingree, C. B., Warren, W. L., & White, E. (1991). Increased frequency of the null allele at the complement C4b locus in autism. *Clinical & Experimental Immunology*, 83(3), 438–440.
- Wiggins, L. D., Bakeman, R., Adamson, L. B., & Robins, D. L. (2007). The utility of the Social Communication Questionnaire in screening for autism in children referred for early intervention. *Focus on Autism and Other Developmental Disabilities*, 22(1), 33–38.
- Wiggins, L. D., Levy, S. E., Daniels, J., Schieve, L., Croen, L. A., DiGuseppi, C. Schendel, D. (2015). Autism Spectrum Disorder Symptoms Among Children Enrolled in the Study to Explore Early Development (SEED). *Journal of Autism and Developmental Disorders*.
<http://doi.org/10.1007/s10803-015-2476-8>
- Wiggins, L. D., Reynolds, A., Rice, C. E., Moody, E. J., Bernal, P., Blaskey, L., ... Levy, S. E. (2015). Using Standardized Diagnostic Instruments to Classify Children with Autism in the Study to Explore Early Development. *Journal of Autism and Developmental Disorders*, 45(5), 1271–1280. <http://doi.org/10.1007/s10803-014-2287-3>
- Wing, L. (1980). Childhood autism and social class: a question of selection? *The British Jo*