

References

American Psychiatric Association (2000): *Diagnostic and Statistical Manual of Mental Disorders: DSM-IV-TR*. Washington, DC: American Psychiatric Association.

Ames SL, Wong SW, Bechara A, Cappelli C, Dust M, Grenard JL, Stacy AW (2014): Neural correlates of a Go/NoGo task with alcohol stimuli in light and heavy young drinkers. *Behavior Brain Res* 274:382–389.

Bari A, Robbins TW (2013): Inhibition and impulsivity: Behavioral and neural basis of response control. *Prog Neurobiol* 108: 44–79.

Beier KM, Ahlers CJ, Goecker D, Neutze J, Mundt IA, Hupp E, Schaefer GA (2009): Can pedophiles be reached for primary prevention of child sexual abuse? First results of the Berlin Prevention Project Dunkelfeld (PPD). *J Foren Psychi Psych* 20: 851–867.

Beier KM, Grundmann D, Kuhle LF, Scherner G, Konrad A, Amelung T (2015): The German Dunkelfeld project: A pilot study to prevent child sexual abuse and the use of child abusive images. *J Sex Med* 12:529–542.

Blasi G, Goldberg TE, Weickert T, Das S, Kohn P, Zolnick B, Bertolino A, Callicott JH, Weinberger DR, Mattay VS (2006): Brain regions underlying response inhibition and interference monitoring and suppression. *Eur J Neurosci* 23:1658–1664.

Buckner RL, Andrews-Hanna JR, Schacter DL (2008): The brain's default network: Anatomy, function, and relevance to disease. *Ann N Y Acad Sci* 1124:1–38.

Calhoun VD, Stevens MC, Pearlson GD, Kiehl KA (2004): fMRI analysis with the general linear model: Removal of latency induced amplitude bias by incorporation of hemodynamic derivative terms. *NeuroImage* 22:252–257.

Cantor JM, Kabani N, Christensen BK, Zipursky RB, Barbaree HE, Dickey R, Klassen PE, Mikulis DJ, Kuban ME, Blak T, Richards BA, Hanratty MK, Blanchard R (2008): Cerebral white matter deficiencies in pedophilic men. *J Psychiatr Res* 42:167–183.

Cantor, J.M., Lafaille, S., Soh, D.W., Moayedi, M., Mikulis, D.J., Girard, T.A. (2015) Diffusion Tensor Imaging of pedophilia. *Arch Sex Behav* 44:2161.

- Chikazoe J** (2010): Localizing performance of go/no-go tasks to prefrontal cortical subregions. *Curr Opin Psychiatry* 23: 267–272.
- Cohen LJ**, Galynker I (2012): Identifying psychological traits potentially subserving aberrant motivation or inhibitory failure in pedophilic behavior. *Isr J Psychiatry Relat Sci* 49:280–290.
- Cubillo A**, Halari R, Ecker C, Giampietro V, Taylor E, Rubia K (2010): Reduced activation and inter-regional functional connectivity of fronto-striatal networks in adults with childhood Attention-Deficit Hyperactivity Disorder (ADHD) and persisting symptoms during tasks of motor inhibition and cognitive switching. *J Psychiatr Res* 44:629–639.
- du Boisgueheneuc F**, Levy R, Volle E, Seassau M, Duffau H, Kinkingnehun S, Samson Y, Zhang S, Dubois B (2006): Functions of the left superior frontal gyrus in humans: A lesion study. *Brain* 129:3315–3328.
- Eastvold A**, Suchy Y, Strassberg D (2011): Executive function profiles of pedophilic and nonpedophilic child molesters. *JINS* 17: 295–307.
- Gerwinn H**, Pohl A, Granert O, van Eimeren T, Wolff S, Jansen O, Deuschl G, Huchzermeyer C, Stirn A, Siebner HR, Ponseti J (2015a): The (in)consistency of changes in brain macrostructure in male paedophiles: A combined T1-weighted and diffusion tensor imaging study. *J Psychiatr Res* 68:246–253.
- Gerwinn, H.**, Weiß, S., Tenbergen, G., Amelung, T., Foedisch, C., Pohl, A., Massau, C., Mohnke, S., K€argel, C., Wittfoth, M., Jung, S., Drumkova, K., Walter, M., Beier, K.M., Walter, H., Ponseti, J., Schiffer, B., Kruger, T.H.C. (2015b) Paedophilia and child sexual offending: Clinical characteristics and offence associated factors in the NeMUP-study. Submitted manuscript.
- Gusnard DA**, Raichle ME, Raichle ME (2001): Searching for a baseline: Functional imaging and the resting human brain. *Nat Rev Neurosci* 2:685–694.
- Habermeyer B**, Esposito F, Handel N, Lemoine P, Klarhofer M, Mager R, Dittmann V, Seifritz E, Graf M (2013a): Immediate processing of erotic stimuli in paedophilia and controls: A case control study. *BMC Psychiatry* 13:88.
- Habermeyer B**, Esposito F, H€andel N, Lemoine P, Kuhl HC, Klarh€ofer M, Mager R, Mokros A, Dittmann V, Seifritz E, Graf M (2013b): Response inhibition in pedophilia: An fMRI pilot study. *Neuropsychobiology* 68:228–237.

Hanson RK, Morton-Bourgon KE (2005): The characteristics of persistent sexual offenders: A meta-analysis of recidivism studies. *J Consult Clin Psychol* 73:1154–1163.

Hellerbach A, Schuster V, Jansen A, Sommer J (2013): MRI phantoms - are there alternatives to agar?. *PLoS One* 8:e70343.

Joyal CC, Beaulieu-Plante J, de Chant_eric A (2014): The neuropsychology of sex offenders: A meta-analysis. *Sex Abuse* 26: 149–177.

Kärgel C, Massau C, Weiss S, Walter M, Kruger TH, Schiffer B (2015): Diminished functional connectivity on the road to child sexual abuse in pedophilia. *J Sex Med* 12:783–795.

Kelly AM, Uddin LQ, Biswal BB, Castellanos FX, Milham MP (2008): Competition between functional brain networks mediates behavioral variability. *Neuroimage* 39:527–537.

Kirk KM, Bailey JM, Dunne MP, Martin NG (2000): Measurement models for sexual orientation in a community twin sample. *Behav Genet* 30:345–356.

Kruger TH, Schiffer B (2011): Neurocognitive and personality factors in homo- and heterosexual pedophiles and controls. *J Sex Med* 8:1650–1659.

Lapornik R, Lehofer M, Moser M, Pump G, Egner S, Posch C, Hildebrandt G, Zapotoczky HG (1996): Long-term imprisonment leads to cognitive impairment. *Forensic Sci Int* 82: 121–127.

Leech R, Sharp DJ (2014): The role of the posterior cingulate cortex in cognition and disease. *Brain* 137:12–32.

Mann RE, Hanson RK, Thornton D (2010): Assessing risk for sexual recidivism: Some proposals on the nature of psychologically meaningful risk factors. *Sex Abuse* 22:191–217.

Mendez M, Shapira JS (2011): Pedophilic behavior from brain disease. *J Sex Med* 8:1092–1100.

Mobbs D, Eckert MA, Mills D, Korenberg J, Bellugi U, Galaburda AM, Reiss AL (2007): Frontostriatal dysfunction during response inhibition in Williams syndrome. *Biol Psychiatry* 62: 256–261.

Mohnke S, Müller S, Amelung T, Krüger TH, Ponseti J, Schiffer B, Walter M, Beier KM, Walter H (2014): Brain alterations in paedophilia: A critical review. *Prog Neurobiol* 122:1–23.

Niendam TA, Laird AR, Ray KL, Dean YM, Glahn DC, Carter CS (2012): Meta-analytic evidence for a superordinate cognitive control network subserving diverse executive functions. *Cogn Affect Behav Neurosci* 12:241–268.

Poepl TB, Eickhoff SB, Fox PT, Laird AR, Rupperecht R, Langguth B, Bzdok D (2015): Connectivity and functional profiling of abnormal brain structures in pedophilia. *Hum Brain Mapp* 36:2374–2386.

Poepl TB, Langguth B, Laird AR, Eickhoff SB (2014): The functional neuroanatomy of male psychosexual and physiosexual arousal: A quantitative meta-analysis. *Hum Brain Mapp* 35: 1404–1421.

Poepl TB, Nitschke J, Dombert B, Santtila P, Greenlee MW, Osterheider M, Mokros A (2011): Functional cortical and subcortical abnormalities in pedophilia: A combined study using a choice reaction time task and fMRI. *J Sex Med* 8:1660–1674.

Poepl TB, Nitschke J, Santtila P, Schecklmann M, Langguth B, Greenlee MW, Osterheider M, Mokros A (2013): Association between brain structure and phenotypic characteristics in pedophilia. *J Psychiatr Res* 47:678–685.

Raichle ME, MacLeod AM, Snyder AZ, Powers WJ, Gusnard DA, Shulman GL (2001): A default mode of brain function. *Proc Natl Acad Sci U S A* 98:676–682.

Rowe JB, Toni I, Josephs O, Frackowiak RS, Passingham RE (2000): The prefrontal cortex: Response selection or maintenance within working memory? *Science* 288:1656–1660.

Rubia K, Smith AB, Brammer MJ, Toone B, Taylor E (2005): Abnormal brain activation during inhibition and error detection in medication-naïve adolescents with ADHD. *Am J Psychiatry* 162:1067–1075.

Schiffer B, Krueger T, Paul T, de Greiff A, Forsting M, Leygraf N, Schedlowski M, Gizewski E (2008a): Brain response to visual sexual stimuli in homosexual pedophiles. *J Psychiatry Neurosci* 33:23–33.

Schiffer B, Paul T, Gizewski E, Forsting M, Leygraf N, Schedlowski M, Krüger TH (2008b): Functional brain correlates of heterosexual paedophilia. *Neuroimage* 41:80–91.

Schiffer B, Peschel T, Paul T, Gizewski E, Forsting M, Leygraf N, Schedlowski M, Krueger TH (2007): Structural brain abnormalities in the frontostriatal system and cerebellum in pedophilia. *J Psychiatr Res* 41:753–762.

Schiffer B, Vonlaufen C (2011): Executive dysfunctions in pedophilic and nonpedophilic child molesters. *J Sex Med* 8: 1975–1984.

Schiltz K, Witzel J, Northoff G, Zierhut K, Gubka U, Fellmann H, Kaufmann J, Tempelmann C, Wiebking C, Bogerts B (2007): Brain pathology in pedophilic offenders: evidence of volume reduction in the right amygdala and related diencephalic structures. *Arch Gen Psychiatry* 64:737–746.

Sebastian A, Jung P, Krause-Utz A, Lieb K, Schmahl C, Tuscher O (2014): Frontal dysfunctions of impulse control - a systematic review in borderline personality disorder and attention-deficit/hyperactivity disorder. *Front Hum Neurosci* 8:698.

Seto, M.C. (2008) *Pedophilia and Sexual Offending Against Children: Theory, Assessment, and intervention*. Washington, DC. American Psychological Association.

Seto MC, Cantor JM, Blanchard R (2006): Child pornography offenses are a valid diagnostic indicator of pedophilia. *J Abnorm Psychol* 115:610–615.

Simmonds DJ, Pekar JJ, Mostofsky SH (2008): Meta-analysis of Go/No-go tasks demonstrating that fMRI activation associated with response inhibition is task-dependent. *Neuropsychologia* 46:224–232.

Steele VR, Claus ED, Aharoni E, Harenski C, Calhoun VD, Pearlson G, Kiehl KA (2014): A large scale (N5102) functional neuroimaging study of error processing in a Go/NoGo task. *Behav Brain Res* 268:127–138.

Stoléru S, Fontelle V, Cornélis C, Joyal C, Moulier V (2012): Functional neuroimaging studies of sexual arousal and orgasm in healthy men and women: A review and meta-analysis. *Neurosci Biobehav Rev* 36:1481–1509.

Suchy Y, Eastvold AD, Strassberg DS, Franchow EI (2014): Understanding processing speed weaknesses among pedophilic child molesters: Response style vs. neuropathology. *J Abnorm Psychol* 123:273–285.

Suchy Y, Whittaker JW, Strassberg DS, Eastvold A (2009): Neurocognitive differences between pedophilic and nonpedophilic child molesters. *J Int Neuropsychol Soc* 15:248–257.

Tenbergen G, Wittfoth M, Frieling H, Ponseti J, Walter M, Walter H, Beier KM, Schiffer B, Kruger TH (2015): The neurobiology and psychology of pedophilia: Recent advances and challenges. *Front Hum Neurosci* 9:344.

- < <https://www.ipce.info/library/journal-article/neurobiology-and-psychology-pedophil> >

van Zutphen L, Siep N, Jacob GA, Goebel R, Arntz A (2015): Emotional sensitivity, emotion regulation and impulsivity in borderline personality disorder: A critical review of fMRI studies. *Neurosci Biobehav Rev* 51:64–76.

Völlm B, Richardson P, Stirling J, Elliott R, Dolan M, Chaudhry I, Del Ben C, McKie S, Anderson I, Deakin B (2004): Neurobiological substrates of antisocial and borderline personality disorder: Preliminary results of a functional fMRI study. *Crim Behav Ment Health* 14:39–54.

Von Aster, M., Neubauer, A., Horn, R. (2006) Wechsler Intelligenztest für Erwachsene (WIE). Deutschsprachige Bearbeitung und Adaptation des WAIS-III von David Wechsler. Frankfurt. Harcourt Test Services.

Ward T, Hudson SM, Keenan T (1998): A self-regulation model of the sexual offense process. *Sexual Abuse* 10:141–157.

Wittchen, H.U., Zaudig, M., Fydrich, T. (1997) SKID Strukturiertes Klinisches Interview für DSM-IV. Achse I und II. Göttingen. Hogrefe.

World Health Organization. (1992) The ICD-10 Classification of Mental and Behavioural Disorders: Clinical Descriptions and Diagnostic Guidelines. Geneva.