

Quellen- und Literaturverzeichnis zum Beitrag

Die Spuren des Traumas: Die Neurophysiologie des Missbrauchs

- 1 Maercker, A., Forstmeier, S., Wagner, B., Glaesmer, H. & Brähler, E., Posttraumatische Belastungsstörungen in Deutschland, *Der Nervenarzt* 79, 577–586 (2008).
- 2 Green, J.G., McLaughlin, K.A., Berglund, P.A., Gruber, M.J., Sampson, N.A., Zaslavsky, A.M. & Kessler, R.C. (2010). Childhood adversities and adult psychiatric disorders in the National Comorbidity Survey Replication 1: Associations with first onset of DSM-IV disorders. *Archives of General Psychiatry*, 67(2), 113–123. doi: 10.1001/archgenpsychiatry.2009.186.
- 3 Norman, R.E., Byambaa, M., De, R., Butchart, A., Scott, J., Vos, T. The long-term health consequences of child physical abuse, emotional abuse, and neglect: A systematic review and meta-analysis. *PLoS Med.* 2012; 9(11): e1001349. doi: 10.1371/journal.pmed.1001349.
- 4 Danese, A., Lewis, S.J. Psychoneuroimmunology of Early-Life Stress: The Hidden Wounds of Childhood Trauma? *Neuropsychopharmacology*. 2017 Jan; 42(1): 99–114. doi: 10.1038/npp.2016.198.
- 5 Chen, MA., LeRoy, AS., Majd, M., Chen, JY., Brown, RL., Christian, LM., Fagundes, CP. Immune and Epigenetic Pathways Linking Childhood Adversity and Health Across the Lifespan. *Front. Psychol.*, 2021, Volume 12.
- 6 Poletti, S., Paolini, M., Ernst, J., Bollettini, I., Melloni, E., Vai, B., Harrington, Y., Bravi, B., Calesella, F., Lorenzi, C., Zanardi, R., Benedetti, F. Long-term effect of childhood trauma: Role of inflammation and white matter in mood disorders. *Brain, Behavior, & Immunity – Health*, 2022, Volume 26.
- 7 Teicher, MH., Samson, JA., Anderson, CM., Ohashi, K. The effects of childhood maltreatment on brain structure, function and connectivity. *Nature Reviews Neuroscience*. 2016;17(10): 652–666. doi: 10.1038/nrn.2016.111.
- 8 Dunn, EC., Nishimi, K., Powers, A., Bradley, B. Is developmental timing of trauma exposure associated with depressive and post-traumatic stress disorder symptoms in adulthood? *Journal of Psychiatric Research*. 2017;84: 119–127. doi: 10.1016/j.jpsychires.2016.09.004.
- 9 Cerqueira, JJ., Mailliet, F., Almeida, OF., Jay, TM., Sousa, N. The prefrontal cortex as a key target of the maladaptive response to stress. *The Journal of Neuroscience*. 2007;27(11): 2781–2787. doi: 10.1523/JNEUROSCI.4372-06.2007.
- 10 Tomoda, A, Suzuki, H., Rabi, K., Sheu, YS., Polcari, A., Teicher, MH. Reduced prefrontal cortical gray matter volume in young adults exposed to harsh corporal punishment. *Neuroimage*. 2009;47: T66–T71. doi: 10.1016/j.neuroimage.2009.03.005.
- 11 van Harmelen, AL., van Tol, MJ., Dalgleish, T., van der Wee, NJ., Veltman, DJ., Aleman, A., Elzinga, BM. Hypoactive medial prefrontal cortex functioning in adults reporting childhood emotional maltreatment. *Social Cognitive and Affective Neuroscience*. 2014;9(12): 2026–2033. doi: 10.1093/scan/nsu008.
- 12 Andersen, SL., Tomada, A., Vincow, ES., Valente, E., Polcari, A., Teicher, MH. Preliminary Evidence for Sensitive Periods in the Effect of Childhood Sexual Abuse on Regional Brain Development. *The Journal of Neuropsychiatry and Clinical Neurosciences* 2008, 20,(3): 292–301. doi: 10.1176/jnp.2008.20.3.292
- 13 Cross, D., Fani, N., Powers, A., Bradley, B., Neurobiological Development in the Context of Childhood Trauma. *Clin Psychol (New York)*. 2017 Jun; 24(2): 111–124. doi: 10.1111/cpsp.12198.
- 14 Ranganath, C. A. Unified framework for the functional organization of the medial temporal lobes and the phenomenology of episodic memory. *Hippocampus*. 2010;20(11): 1263–1290. doi: 10.1002/hipo.20852.
- 15 Kajiwara, R., Takashima, I., Mimura, Y., Witter, MP., Iijima, T. Amygdala input promotes spread of excitatory neural activity from perirhinal cortex to the entorhinal-hippocampal circuit. *Journal of Neurophysiology*. 2003;89(4): 2176–2184. doi: 10.1152/jn.01033.2002.
- 16 Acheson, DT., Gresack, JE., Risbrough, VB. Hippocampal dysfunction effects on context memory: Possible etiology for posttraumatic stress disorder. *Neuropharmacology*. 2012;62(2): 674–685. doi: 10.1016/j.neuropharm.2011.04.029.

- 17 Stevens, JS., Jovanovic, T., Fani, N., Ely, TD., Glover, EM., Bradley, B., Ressler, KJ. Disrupted amygdala-prefrontal functional connectivity in civilian women with posttraumatic stress disorder. *Journal of Psychiatric Research*. 2013;47(10): 1469–1478. doi: 10.1016/j.jpsychires.2013.05.031.
- 18 Dias, BG., Maddox, SA., Klengel, T., Ressler, KJ. Epigenetic mechanisms underlying learning and the inheritance of learned behaviors. *Trends in Neurosciences*. 2015;38(2): 96–107. doi: 10.1016/j.tins.2014.12.003.
- 19 Cerqueira, JJ., Mailliet, F., Almeida, OF., Jay, TM., Sousa, N. The prefrontal cortex as a key target of the maladaptive response to stress. *The Journal of Neuroscience*. 2007;27(11): 2781–2787. doi: 10.1523/JNEUROSCI.4372-06.2007.
- 20 Daskalakis, NP., De Kloet, ER., Yehuda, R., Malaspina, D., Kranz, TM. Early life stress effects on glucocorticoid – BDNF interplay in the hippocampus. *Frontiers in Molecular Neuroscience*. 2015;8. doi: 10.3389/fnmol.2015.00068.
- 21 Heim, C., Binder, EB. Current research trends in early life stress and depression: Review of human studies on sensitive periods, gene-environment interactions and epigenetics. *Experimental Neurology*. 2012;233(1): 102–111. doi: 10.1016/j.expneurol.2011.10.032.
- 22 Knudsen, EI. Sensitive periods in the development of the brain and behavior. *Journal of Cognitive Neuroscience*. 2004;16(8): 1412–1425. doi: 10.1162/0898929042304796.
- 23 Cowell, RA., Cicchetti, D., Rogosch, FA., Toth, SL. Childhood maltreatment and its effect on neurocognitive functioning: Timing and chronicity matter. *Development and Psychopathology*. 2015;27(02): 521–533. doi: 10.1017/S0954579415000139.
- 24 Enlow, MB., Egeland, B., Blood, EA., Wright, RO., Wright, RJ. Interpersonal trauma exposure and cognitive development in children to age 8 years: A longitudinal study. *Journal of Epidemiology and Community Health*. 2012: 1005–1010. doi: 10.1136/jech-2011-200727
- 25 Pechtel, P., Lyons-Ruth, K., Anderson, CM., Teicher, MH. Sensitive periods of amygdala development: The role of maltreatment in preadolescence. *Neuroimage*. 2014;97: 236–244. doi: 10.1016/j.neuroimage.2014.04.025.
- 26 Andersen, SL., Teicher, MH. Stress, sensitive periods and maturational events in adolescent depression. *Trends in Neurosciences*. 2008;31(4): 183–191. doi: 10.1016/j.tins.2008.01.004.
- 27 Rao, H., Betancourt, L., Giannetta, JM., Brodsky, NL., Korzykowski, M., Avants, BB., Farah, MJ. Early parental care is important for hippocampal maturation: Evidence from brain morphology in humans. *Neuroimage*. 2010;49(1): 1144–1150. doi: 10.1016/j.neuroimage.2009.07.003.
- 28 Tottenham, N., Sheridan, MA. A review of adversity, the amygdala and the hippocampus: A consideration of developmental timing. *Frontiers in Human Neuroscience*. 2010;3: 1–18. doi: 10.3389/neuro.09.068.2009.
- 29 Deighton, S., Neville, A., Pusch, D., Dobson, K. Biomarkers of adverse childhood experiences: A scoping review. *Psychiatry Res*. 2018 Nov;269: 719–732. doi: 10.1016/j.psychres.2018.08.097.
- 30 www.gesundheitsforschung-bmbf.de/de/biostress-biomarker-fur-traumatischen-stress-und-traumafolgeerkrankungen-11440.php
- 31 www.msmanuals.com/de-de/heim/psychische-gesundheitsst%C3%B6rungen/dissoziative-st%C3%B6rungen/dissoziative-identit%C3%A4tsst%C3%B6rung
- 32 Gast, U., Rodewald, F., Hofmann, A., Mattheß, H., Nijenhuis, E., Reddemann, L., Emrich, HM. Die dissoziative Identitätsstörung – häufig fehldiagnostiziert. *Deutsches Ärzteblatt* 2006; 103(47): A-3193 / B-2781 / C-2664
- 33 www.leading-medicine-guide.com/de/erkrankungen/psyche/dissoziative-identitaetsstoerung#:~:text=Sch%C3%A4tzungen%20zufolge%20sind%201%2D3,Identit%C3%A4tsst%C3%B6rung%20ist%20also%20keineswegs%20selten.
- 34 Putnam, FW. *Diagnostik und Behandlung der Dissoziativen Identitätsstörung*. Paderborn: Junfermann 2003. Original: Putnam, FW. *Diagnosis and treatment of multiple personality disorder*. New York: Guilford Press 1989.
- 35 Steinberg, M.: *The interviewer's guide to the Structured Clinical Interview for DSM-IV-Dissociative Disorders – Revised*. Washington, DC.: American Psychiatric Press 1994.

- 36 Reinders, AATS., Veltman, DJ. Dissociative identity disorder: out of the shadows at last? *Br J Psychiatry*. 2021 Aug;219(2): 413–414. doi: 10.1192/bjp.2020.168.
- 37 Boysen, GA., VanBergen, A. Simulation of multiple personalities: a review of research comparing diagnosed and simulated dissociative identity disorder. *Clinical Psychology Review*. 2014 (34): 14–28, doi:10.1016/j.cpr.2013.10.008
- 38 Brand, BL, Şar, V., Stavropoulos, P., Krüger, C., Korzekwa, M. Separating Fact from Fiction: An Empirical Examination of Six Myths About Dissociative Identity Disorder. *Harvard Review of Psychiatry*. Juli 2016 (24): 257–270, doi:10.1097/HRP.000000000000100
- 39 Reinders, AATS., Willemsen, ATM., Vos, HPJ., den Boer, JA., Nijenhuis, ERS. Fact or Factitious? A Psychobiological Study of Authentic and Simulated Dissociative Identity States. *PLoS ONE*. 2012 (7): e39279, doi:10.1371/journal.pone.0039279
- 40 Schlumpf, YR., Reinders, AATS., Nijenhuis, ERS., Luechinger, R., van Osch, MJP., Jäncke, L. Dissociative Part-Dependent Resting-State Activity in Dissociative Identity Disorder: A Controlled fMRI Perfusion Study. *PLoS ONE*. Juni 2014 (9): e98795, doi:10.1371/journal.pone.0098795
- 41 Reinders, AATS., Willemsen, ATM., Vissia, EM., Vos, HPJ., den Boer, JA. The Psychobiology of Authentic and Simulated Dissociative Personality States: The Full Monty. *The Journal of Nervous and Mental Disease*. Juni 2016 (204): 445–457, doi:10.1097/NMD.0000000000000522.
- 42 Reinders, AATS., Nijenhuis, ERS., Paans, AMJ., Korf, J., Willemsen, ATM. One brain, two selves. *NeuroImage*. 2003 (20): 2119–2125, doi:10.1016/j.neuroimage.2003.08.021
- 43 Reinders, AATS., Nijenhuis, ERS., Quak, J., Korf, J., Haaksma, J. Psychobiological characteristics of dissociative identity disorder: a symptom provocation study. *Biological Psychiatry*. 2006 (60) 730–740, doi:10.1016/j.biopsych.2005.12.019.
- 44 Reinders, AATS., Willemsen, ATM., den Boer JA., Vos, HPJ., Veltman, DJ. Opposite brain emotion-regulation patterns in identity states of dissociative identity disorder: a PET study and neurobiological model. *Psychiatry Research*. 2014 (223): 236–243, doi:10.1016/j.psychres.2014.05.005.
- 45 Reinders, AATS., Marquand, AF., Schlumpf, YR., Chalavi, S., Vissia, EM., Nijenhuis, ERS., Dazzan, P., Jäncke, L., Veltman, DJ. Aiding the diagnosis of dissociative identity disorder: pattern recognition study of brain biomarkers. *Br J Psychiatry*. 2019;215(3): 536–544. doi: 10.1192/bjp.2018.255
- 46 Dimitrova, LI., Dean, SL., Schlumpf, YR., Vissia, EM., Nijenhuis, ERS., Chatzi, V., Jäncke, L., Veltman, DJ., Chalavi, S., Reinders, AATS. A neurostructural biomarker of dissociative amnesia: a hippocampal study in dissociative identity disorder. *Psychol Med*. 2021 24;53(3): 1–9. doi: 10.1017/S0033291721002154.
- 47 Blihar, D., Delgado, E., Buryak, M., Gonzalez, M., Waechter, R. A systematic review of the neuroanatomy of dissociative identity disorder. *European Journal of Trauma & Dissociation*. 2020, 4(3). doi: 10.1016/j.ejtd.2020.100148.
- 48 Loewenstein, R. J. & Putnam, F. W. (2004). The dissociative disorders. In B. J. Kaplan & V. A. Sadock (Eds.), *Kaplan and Sadock's Comprehensive textbook of psychiatry* (8th Ed., pp. 1844–1901). Philadelphia: Lippincott Williams & Wilkins.
- 49 www.msmanuals.com/de-de/heim/psychische-gesundheitsst%C3%B6rungen/dissoziative-st%C3%B6rungen/dissoziative-identit%C3%A4tsst%C3%B6rung
- 50 www.aerzteblatt.de/nachrichten/105888/Labortest-erkennt-posttraumatische-Belastungsstörung
- 51 López-Villatoro, JM., Díaz-Marsá, M., De la Torre-Luque, A., MacDowell, KS., Prittwitz, C, J., Leza, C., Carrasco, JL. Inflammatory and oxidative endophenotypes in borderline personality disorder: A biomarker cluster analysis. *The World Journal of Biological Psychiatry*. 2023 doi: 10.1080/15622975.2023.2183254
- 52 Valencia, M., Cuartas Arias, JM. Potential Biomarkers in personality disorders: current state and future research. *International Journal of Psychological Research*. 2016; 9 (1): 98–112.
- 53 www.aufarbeitungskommission.de/mediathek/bilanzbericht-2019-band-1/

- 54 <https://beauftragte-missbrauch.de/themen/definition/organisierte-sexualisierte-und-rituelle-gewalt#:~:text=Was%20ist%20unter%20organisierter%20sexualisierter,und%20Foder%20T%C3%A4terinnen%20oder%20T%C3%A4ternetzwerke.>
- 55 Nick, S., Schröder, J., Briken, P., Richter-Appelt, H. Organisierte und rituelle Gewalt in Deutschland. Kontexte der Gewalterfahrungen, psychische Folgen und Versorgungssituation. *Trauma & Gewalt*. 2018 12 (03), 244–261. doi: 10.21706/TG-12-3-244.
- 56 Behrendt, P., Nick, S., Briken, P., Schröder, J. Was ist sexualisierte Gewalt in organisierten und rituellen Strukturen? Eine qualitative Inhaltsanalyse der Erfahrungsberichte von Betroffenen und ZeitzeugInnen. *Zeitschrift für Sexualforschung*. 2022, 33: 76–87, doi:10.1055/a-1160-3976.
- 57 Nick, S., Grundmann-Tuac, J., Schäfer, I., Gysi, J. Organisierte sexualisierte Gewalt – Herausforderungen und Chancen in der Diagnostik und Psychotherapie für Betroffene. *Verhaltenstherapie* 2022;32: 93–103. doi:10.1159/000525793.
- 58 www.fmsfonline.org/index.php
- 59 www.ezw-berlin.de/publikationen/lexikon/rituelle-gewalt-aus-psychologischer-sicht/
- 60 Scott, CL., Salem, AM., Tindell, WW., Neely, HK., Blum, AW. The forensic assessment of dissociation: Distinguishing real from the unreal. *Behavioral sciences & the law*, 2023. doi: 10.1002/bsl.2622.
- 61 Pietkiewicz, IJ., Bańbura-Nowak, A., Tomalski, R., Boon, S. Revisiting false-positive and imitated dissociative identity disorder. *Frontiers in Psychology*. 2021, 12. doi: 10.3389/fpsyg.2021.637929.
- 62 Kabene, SM., Neftci, NB., Papatzikis, E. Dissociative Identity Disorder and the Law: Guilty or Not Guilty? *Frontiers in Psychology*, (2022), 13. doi:10.3389/fpsyg.2022.891941.

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