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Literaturverzeichnis

BIOIDENTE HORMONTHERAPIE

AGGRESSIVES VERHALTEN

Junge Männer mit aggressivem Verhalten weisen niedrigere Werte an Cortisol und höhere Werte an Testosteron auf.

J Am Acad Child Adolesc Psychiatry. 2003 Sep;42(9):1101-7. Salivary cortisol, personality, and aggressive behavior in adolescent boys: a 5-year longitudinal study. Shoal GD, Shoal GD, Giancola PR, Kirillova GP.

Biomed Environ Sci. 2009 Feb;22(1):44-9. Relationship between levels of testosterone and cortisol in saliva and aggressive behaviors of adolescents. Yu YZ.

Gefangene wegen gewalttätiger Verbrechen hatten höhere Testosteron- und niedrigere Cortisol-Spiegel.

Psychosom Med. 1987 Mar-Apr;49(2):174-82. Saliva testosterone and criminal violence in young adult prison inmates. Dabbs JM.

Biol Psychiatry. 2004 Jan 1;55(1):21-31. Physical and sexual abuse, salivary cortisol, and neurologic correlates of violent criminal behavior in female prison inmates. Brewer-Smyth K.



ALZHEIMER

Verschiedene Hormone bewirken eine verbesserte Hirnleistung und reduzieren das Risiko für Alzheimer.

Brain Res Mol Brain Res. 1992 Apr;13(3):239-50. Reduction of vitamin D hormone receptor mRNA levels in Alzheimer as compared to Huntington hippocampus: correlation with calbindin-28k mRNA levels. Sutherland MK.

Proc Natl Acad Sci U S A. 2000 Feb 1; 97(3): 1202-5. Testosterone reduces neuronal secretion of Alzheimer's beta-amyloid peptides. Gouras GK.

The Journal of Neuroscience. March 2001; 21(6): 1902-10. Insulin-like-growth-factor-I protects cells from apoptosis by Alzheimer's V642I mutant amyloid precursor protein through IGF-I receptor in an IGF-binding protein sensitive manner. Takako Niikura.

Aging Male. 2003 Mar; 6(1): 13-7. A pilot study on the effects of testosterone in hypogonadal aging male patients with Alzheimer's disease. Tan RS.

Proc Natl Acad Sci U S A. 2010 Apr 6; 107(14): 6498-503. Allopregnanolone reverses neurogenic and cognitive deficits in mouse model of Alzheimer's disease. Wang JM.



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PLoS One. 2011; 6(8): e24293. Allopregnanolone promotes regeneration and reduces β-amyloid burden in a preclinical model of Alzheimer's disease. Chen S.

Neurobiol Aging. 2012 Aug; 33(8): 1493-506. Allopregnanolone restores hippocampal-dependent learning and memory and neural progenitor survival in aging 3xTgAD and nonTg mice. Singh C.

Oxid Med Cell Longev. 2012; 8:43. Accumulation of exogenous amyloid-beta peptide in hippocampal mitochondria causes their dysfunction: a protective role for melatonin. Reiter R.

Neural Regen Res. 2013 Oct 25; 8(30): 2800-10. Metabolic alteration of neuroactive steroids and protective effect of progesterone in Alzheimer's disease-like rats. Liu S.

Synapse. Apr 2013. Melatonin protects against amyloid-beta-induced impairments of hippocampal LTP and spatial learning in rats. Liu XJ.

J Neurochem. 2015 Dec; 135(6):1257-71. Reduction in Aβ-induced cell death in the hippocampus of 17β-estradiol-treated female rats is associated with an increase in IGF-I signaling and somatostatinergic tone. Perianes-Cachero A.

J Alzheimers Dis. 2016 May 7; 53(2): 547-56. Early Postmenopausal Transdermal 17β-Estradiol Therapy and Amyloid-β Deposition. Kantarci K.

Exp Ther Med. 2017 Jul; 14(1):581-586. Effect of vitamin D on the learning and memory ability of FGR rat and NMDA receptor expression in hippocampus. Zong L.

Int J Toxicol. 2018 Jan 1:1091581818761653. Age-Related Memory Impairment Associated With Decreased Endogenous Estradiol in the Hippocampus of Female Rats. Chamniasawat S.



ANTIBABYPILLE

Ein Zusammenhang zwischen Einnahme der Antibabypille und Depression wurde bewiesen.

Coll Antropol. 2002 Dec; 26(2):467-75. Use of the oral contraceptive pill by Austrian adolescents with emphasis on the age of onset, side effects, compliance and lifestyle. Brunnhuber S.

JAMA Psychiatry. 2016 Nov 1; 73(11):1154-1162. Association of Hormonal Contraception With Depression. Skovlund CW.

Die Einnahme der Antibabypille reduziert die Produktion des Wachstumshormon.

Gynecol Obstet Invest. 1990;30(4):234-8. Altered growth hormone secretion during oral contraception. Karlsson R.

Durch die Einnahme der Antibabypille wird das Knochenwachstum blockiert.

Bone. 1993;14(1):41-5. Oral contraceptive pill use and fractures in women: a prospective study. Copper C.



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Contraception. 1995 Apr;51(4):221-4. Bone mass and long-term monophasic oral contraceptive treatment in young women. Polatti F.

Osteoporos Int. 1997;7(4):348-53. Oral contraceptive treatment inhibits the normal acquisition of bone mineral in skeletally immature young adult female monkeys. Register TC.

CMAJ October 16, 2001 165 (8) 1023-1029. Oral contraceptive use and bone mineral density in premenopausal women: cross-sectional, population-based data from the Canadian Multicentre Osteoporosis Study. Jerilynn C. Prior.

Die Einnahme der Antibabypille erhöht das Selbstmordrisiko.

Am J Psychiatry. 2018 Apr 1;175(4):336-342. Association of Hormonal Contraception With Suicide Attempts and Suicides. Skovlund CW.



BRUSTKREBS NACH HORMONTHERAPIE

Frauen, die vor der Diagnose Brustkrebs eine Hormontherapie machten, haben weniger aggressive Tumore und ein niedrigeres Risiko an Metastasen-Entwicklung.

Am J Obstet Gynecol. 2007 Apr;196(4):342.e1-9. Reduced incidence of distant metastases and lower mortality in 1072 patients with breast cancer with a history of hormone replacement therapy. Schütz F.

Geburtshilfe Frauenheilkd. 2015 Jun; 75(6): 588-596. Hormone Therapy and its Effect on the Prognosis in Breast Cancer Patients. Rauh C.



BRUSTKREBSRISIKO

Estradiol-Gel und Progesteron-Kapseln stimulieren nicht das Brustzellwachstum, sondern reduzieren den programmierteren-Zelltod im Körper. Künstliche Estrogene und Gestagene stimulieren das Brustzellwachstum und erhöhen die Brustdichte in der Mammographie (Risikofaktor für Brustkrebs).

Breast Cancer Res Treat. 2007 Jan;101(2):125-34. Effects of estradiol with micronized progesterone or medroxyprogesterone acetate on risk markers for breast cancer in postmenopausal monkeys. Wood CE.

Gynecol Endocrinol. 2012 Oct;28 Suppl 2:12-5. Percutaneous estradiol/oral micronized progesterone has less-adverse effects and different gene regulations than oral conjugated equine estrogens/medroxyprogesterone acetate in the breasts of healthy women in vivo. Murkes D.



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HANDYSTRÄHLUNG

Handy-Benutzer wiesen erhöhte TSH-, niedrigere T4- und T3- Werte auf.

Oman Med J. 2009 Oct;24(4):274-8. Alterations in TSH and Thyroid Hormones following Mobile Phone Use. Mortavazi S.

Indian J Endocrinol Metab. 2017 Nov-Dec;21(6):797-802. The Effect of Electromagnetic Radiation due to Mobile Phone Use on Thyroid Function in Medical Students Studying in a Medical College in South India. Baby NM.

Handy-Benutzer wiesen niedrigere Werte an Cortisol, Testosteron, Prolaktin, ACTH und Schilddrüsenhormone auf.

Clin Biochem. 2012 Jan;45(1-2):157-61. How does long term exposure to base stations and mobile phones affect human hormone profiles? Eskander EF.

Handy-Benutzer wiesen niedrigere Werte an Estradiol, Progesteron, LH, FSH auf.

Reprod Toxicol. 2017 Oct;73:41-60. Mobile phone (1800MHz) radiation impairs female reproduction in mice, Mus musculus, through stress induced inhibition of ovarian and uterine activity. Shahin S.

Männer, die ihr Handy auf Flugmodus in der eigenen Hosentasche oder am Gurt tragen, reduzieren die eigene Spermienzahl um bis zu 30%.

G. M. Centola et al., Decline in Sperm Count and Motility in Young Adult Men from 2003 to 2013: Observations from a U.S. Sperm Bank, Andrology 4: 270-276 (2016).

Frauen, die ihre Handys im BH trugen, entwickelten Brustkrebs direkt unterhalb der Stelle, wo das Handy lag.

J. G. West et al., Multifocal Breast Cancer in Young Women with Prolonged Contact between Their Breasts and Their Cellular Phones, Case Reports in Medicine, article ID 354682 (2013).



HORMONTHERAPIE TRANSDERMAL

Die Hormontherapie wirkt, wenn sie auf die Haut appliziert wird.

Metabolism. 2009 Jan;58(1):1-7. Influence of modified transdermal hormone replacement therapy on the concentrations of hormones, growth factors, and bone mineral density in women with osteopenia. Stanosz S.



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- Int J Gen Med. 2011 Feb 28;4:159-63. Efficacy of biorhythmic transdermal combined hormone treatment in relieving climacteric symptoms: a pilot study. Formby B.
- Ginekol Pol. 2016;87(11):739-744. New aspects of postmenopausal osteoporosis treatment with micronized estradiol and progesterone. Von Mach-Szczyplinski J.



IUGR

Kinder mit Wachstumsretardierung wiesen niedrigere Werte der Schilddrüsenhormone und des IGF-1 auf.

J Clin Endocrinol Metab. 1998 Aug;83(8):2964-71. Circulating thyroid hormone concentrations and placental thyroid hormone receptor expression in normal human pregnancy and pregnancy complicated by intrauterine growth restriction (IUGR). Kilby MD.

J Obstet Gynaecol. 1997 Jun;17(4):340-3. Serum concentrations of iodine, thyroxine (T4), triiodothyronine (T3), thyrotropin (TSH) and insulin-like growth factor 1 (IGF-1) during the last trimester of pregnancy, during labour, and in early puerperium of women with normal pregnancy or with intrauterine growth retardation (IUGR). Peiker G.



SCHWERMETALLE

Metalle können die Hormonproduktion in der Pubertät und die Samenqualität reduzieren.

Environ Health Perspect. 2010 Dec; 118(12): A542. Do Metals Meddle with Puberty in Girls? Lead, Cadmium, and Altered Hormone Levels. Kellyn S.

J Hazard Mater. 2015 Dec 30;300:815-22. Biomonitoring of blood heavy metals and reproductive hormone level related to low semen quality. Li CJ.



SPEICHELTESTS

Speicheltests sind eine exzellente Methode, um Hormone zu messen.

Ann N Y Acad Sci. 1993 Sep 20;694:143-5. Steroid hormone analysis in human saliva. Quissel DO.

J Med Assoc Thai. 1994 Apr;77(4):176-86. Non-invasive hormonal analysis for ovulation detection. Chearskul S.

Acta Odontol Scand. 2000 Dec;58(6):299-303. Growth hormone and cortisol in serum and saliva. Rantonen PJ.

J Nutr. 2001 May;131(5):1621S-5S. Human saliva as a diagnostic specimen. Hofman LF.



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Cancer Epidemiol Biomarkers Prev. 2001 Jan;10(1):59-64. Saliva as a medium for investigating intra- and interindividual differences in sex hormone levels in premenopausal women. Gann PH.

Clin Chem. 2008 Nov;54(11):1759-69. Current status of salivary hormone analysis. Gröschl M.

Int J Pharm Compd. 2009 Sep-Oct;13(5):392-9. Saliva tests, part 2: salivary hormones, hormone replacement pharmacokinetics, and the importance of timely testing. Kells J.

Wiad Lek. 2011;64(2):113-7. Saliva as an alternative diagnostic material in determination of hormone--advantages and limitations. Bartoszewicz ZP.



STILLZEIT UND HORMONELLE KONTRAZEPTION

Hormonpräparate kommen in die Muttermilch und erreichen somit das Kind.

Hum Reprod. 2007 Jun;22(6):1578-84. Levonorgestrel pharmacokinetics in plasma and milk of lactating women who take 1.5 mg for emergency contraception. Gainer E.

Eur J Contracept Reprod Health Care. 2001 Sep;6(3):167-71. Transfer of drospirenone to breast milk after a single oral administration of 3 mg drospirenone + 30 microg ethinylestradiol to healthy lactating women. Blode H.

Contraception. 1982 Jan;25(1):41-9. Levonorgestrel in milk and plasma of breast-feeding women with a levonorgestrel-releasing IUD. Heikkilä M.



TESTOSTERON

Männer mit niedrigem Testosteron, die eine Therapie erhielten, wiesen ein Sterblichkeitsrisiko von 10%, gegenüber von 21% in der Gruppe der Männer, die keine Therapie erhielten.

J Clin Endocrinol Metab. 2012 Jun;97(6):2050-8. Testosterone treatment and mortality in men with low testosterone levels. Shores MM.



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