

ESTUDIOS EN MEDICINA ANTROPOSOFICA

La Sección Médica de la Universidad Libre del Goetheanum, en Dornach (Suiza), es el organismo que regula la formación y la investigación internacional en Medicina Antroposófica.

En su página web: <https://www.medsektion-goetheanum.org/en/research> se puede consultar toda la información sobre la situación actual de la Medicina Antroposófica a nivel internacional, así como los estudios existentes y los estudios en curso.

Adjuntamos una recopilación de estudios publicados en diferentes especialidades, a fin de facilitar su consulta.

- Werthmann PG, Saltzwedel G, Kienle GS. Minor regression and long-time survival (56 months) in a patient with malignant pleural mesothelioma under *Viscum album* and *Helleborus niger* extracts—a case report. *J Thorac Dis* 2017. DOI 10.21037/jtd.2017.11.56
- Hamre HJ, Glockmann A, Heckenbach K, Matthes H. Use and safety of anthroposophic medicinal products, An analysis of 44,662 patients from the EvaMed Pharmacovigilance Network. *Drugs - Real World Outcomes* 2017; 4(4):199-213. DOI 10.1007/s40801-017-0118-5
- Werthmann, Paul G.; Hintze, Alexander; Kienle, Gunver S.: Complete remission and long-term survival of a patient with melanoma metastases treated with high-dose fever-inducing *Viscum album* extract: A case report. *Medicine*: Nov 2017 - Vol.96(46): p e8731
- Axtner et al. Health services research of integrative oncology in palliative care of patients with advanced pancreatic cancer. *BMC Cancer* (2016) 16:579
- Von Schoen-Angerer T, Wilkens J, Kienle GS, Kiene H, Vagedes J. High-dose *Viscum album* extract treatment in the prevention of recurrent bladder cancer: A retrospective case series. *Perm J* 2015;19(4):76-83
- Von Schoen-Angerer T, Goyert A, Vagedes J, Kiene H, Merckens H, Kienle GS. Disappearance of an advanced adenomatous colon polyp after intratumoural injection with *Viscum album* (European mistletoe) extract: a case report. *J Gastrointestin Liver Dis* 2014;2(4):449-52
- Werthmann P, Helling D, Heusser P, Kienle G. Tumour response following high-dose intratumoural application of *Viscum album* on a patient with adenoid cystic carcinoma. *BMJ Case Reports* 2014. DOI 10.1136/bcr-2013-203180

- Von Schoen-Angerer T, Madeleyn R, Kienle G, Kiene H, Vagedes J. Viscum album in the treatment of a girl with refractory childhood absence epilepsy. *J Child Neurol*, published online 17 July 2014. DOI 0.1177/0883073814541473
- Hamre HJ, Kiene H, Glockmann A, Ziegler R, Kienle GS. Long-term outcomes of anthroposophic treatment for chronic disease: a four-year follow-up analysis of 1510 patients from a prospective observational study in routine outpatient settings. *BMC Res Notes* 2013;6(269). DOI 10.1186/1756-0500-6-269
- Kienle GS, Meusers M, Quecke B, Hilgard D. Patient-centered diabetes care in children: an integrated, individualized, systems-oriented, and multidisciplinary approach. *Global Adv Health Med* 2013;2:12-9

ESTUDIOS SOBRE METODOLOGIA

- Hamre HJ, Glockmann A, Kienle GS, Kiene H. Combined bias suppression in single-arm therapy studies. *J Eval Clin Pract*. 2008;14(5):923-929. .- [..http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2753.2007.00903.x/epdf](http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2753.2007.00903.x/epdf)
- Hamre HJ, Glockmann A, Troger W, Kienle GS, Kiene H. Assessing the order of magnitude of outcomes in single-arm cohorts through systematic comparison with corresponding cohorts: an example from the AMOS study. *BMC Med Res Methodol*. 2008;8:11. --<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2323398/pdf/1471-2288-8-11.pdf>
- Kiene H. *Komplementäre Methodenlehre der klinischen Forschung. Cognition-based Medicine*. Berlin, Heidelberg, New York: Springer-Verlag; 2001. http://ifaemm.de/Abstract/PDFs/CBM_Buch.pdf
- Kienle GS. Why Medical Case Reports? *Glob Adv Health Med*. 2012;1(1):8-9. [..https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3833475/pdf/gahmj.2012.1.1.002.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3833475/pdf/gahmj.2012.1.1.002.pdf)
- Kienle GS, Kiene H. Clinical Judgement and the Medical Profession. *Journal of Evaluation in Clinical Practice*. 2011;17(4):621-627. .- [..http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2753.2010.01560.x/epdf](http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2753.2010.01560.x/epdf)
- Gagnier JJ, Riley D, Altman D, et al. The CARE Guidelines: Consensus-based Clinical Case Report Guideline Development. *Dtsch Arztebl*. 2013;110(37): 603-8 <https://www.aerzteblatt.de/int/archive/article/145667/The-CARE-Guidelines-Consensus-Based-Clinical-Case-Reporting-Guideline-Development>
- Kiene H, Hamre HJ, Kienle GS. In Support of Clinical Case Reports: A System of Causality Assessment. *Glob Adv Health Med*. 2013;2(2):28-39. <http://pubmedcentralcanada.ca/pmcc/articles/PMC3833527/pdf/gahmj.2012.061.pdf>

- Werthmann PG, Sträter G, Friesland H, Kienle GS. Durable Response of Cutaneous Squamous Cell Carcinoma Following High-dose Peri-lesional Injections of *Viscum album* Extracts - A Case Report. *Phytomedicine*. 2013;20:324-327.
<http://www.sciencedirect.com/science/article/pii/S094471131200400X>
- Orange M, Lace A, Fonseca M, von Laue HB, Geider S, Kienle GS. Durable Regression of Primary Cutaneous B-cell Lymphoma following Fever-inducing Mistletoe Treatment - Two Case Reports. *Glob Adv Health Med*. 2012;1(1):16-23.
..<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3833476/pdf/gahmj.2012.1.1.006.pdf>
- Von Schoen-Angerer T, Helmschmidt E, Madeleyn R, et al. A General Pediatrics and Integrative Medicine Approach to Pervasive Refusal Syndrome: A Case Report. *Perm J*. 2016;20(4):112-115.
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5101101/pdf/permj20_4p0112.pdf
- Kiene H. Was ist Cognition-based Medicine? *Zeitschrift für ärztliche Fortbildung und Qualitätssicherung im Gesundheitswesen*. 2005;99 301-306.
- Vandenbroucke JP. In defense of case reports and case series. *Annals of Internal Medicine*. 2001;134 330-334.
- Aronson JK. *Adverse drug reactions and the role of case reports. Presented at "Celebrating case reports and stories in health care" at the Royal College of Physicians, London, UK. 15-5-2009.* . 2009.
- Kienle GS, Kiene H. Clinical Judgement and the Medical Profession. *Journal of Evaluation in Clinical Practice*. 2011;17(4):621-627.
- Gagnier JJ, Kienle G, Altman DG, et al. The CARE guidelines: consensus-based clinical case report guideline development. *Journal of Clinical Epidemiology*. 2014;67(1):46-51.
- Abbing AC, Ponstein AS, Kienle GS, Gruber H, Baars E. The CARE-AAT Guideline: Development and Testing of a Consensus-based Guideline for Case Reports in Anthroposophic Art Therapy. *The International Journal of Art Therapy*. 2016.
- Kienle GS, Hamre HJ, Portalupi E, Kiene H. Improving the quality of therapeutic reports of single cases and case series in oncology - criteria and checklist. *Alternative Therapies in Health and Medicine*. 2004;10:68-72.
- Kienle GS, Kiene H. Kriterien für die Erstellung therapeutischer Einzelfallberichte in der Onkologie. *Der Merkurstab*. 2003;56(1):2-5.

- Kienle GS, Kiene H. Zur Qualitätssicherung von Einzelfallberichten und Fallserien in der Onkologie. *Dtsch Z Onkol.* 2006;38 (2):62-65.
- Kiene H, Hamre HJ, Kienle GS. In Support of Clinical Case Reports: A System of Causality Assessment. *Glob Adv Health Med.* 2013;2(2):28-39.
- Kiene H, Sch"n-Angerer T. Single-case causality assessment as a basis for clinical judgment. *Alternative Therapies in Health and Medicine.* 1998;4(1):41-47.
- Werthmann PG, Sträter G, Friesland H, Kienle GS. Durable Response of Cutaneous Squamous Cell Carcinoma Following High-dose Peri-lesional Injections of *Viscum album* Extracts - A Case Report. *Phytomedicine.* 2013;20:324-327.

HSR related publications generated by or in cooperation with anthroposophic institutions

- Hamre HJ, Becker-Witt C, Glockmann A, et al. Anthroposophic therapies in chronic disease: the Anthroposophic Medicine Outcomes Study (AMOS). *European journal of medical research.* Jul 30 2004;9(7):351-360.
- Hamre HJ, Witt CM, Glockmann A, et al. Use and Safety of Anthroposophic Medications in Chronic Disease. *Drug safety.* 2006;29(12):1173-1189.
- Hamre HJ, Witt CM, Glockmann A, et al. Health costs in anthroposophic therapy users: a two- year prospective cohort study. *BMC health services research.* 2006;6:65.
- Widmer M, Donges A, Wapf V, et al. The supply of complementary and alternative medicine in Swiss hospitals. *Forschende Komplementarmedizin.* Dec 2006;13(6):356-361.
- Hamre HJ, Witt CM, Glockmann A, et al. Rhythmical massage therapy in chronic disease: a 4- year prospective cohort study. *Journal of alternative and complementary medicine.* Jul-Aug 2007;13(6):635-642.
- Hamre HJ, Witt CM, Glockmann A, et al. Anthroposophic art therapy in chronic disease: a four-year prospective cohort study. *Explore.* Jul-Aug 2007;3(4):365-371.
- Hamre HJ, Witt CM, Glockmann A, et al. Eurythmy therapy in chronic disease: a four-year prospective cohort study. *BMC public health.* 2007;7:61.
- Hamre HJ, Witt CM, Glockmann A, et al. Anthroposophic medical therapy in chronic disease: a four-year prospective cohort study. *BMC complementary and alternative medicine.* 2007;7:10.

- Jeschke E, Lüke C, Ostermann T, et al. Verordnungsverhalten anthroposophisch orientierter Ärzte bei akuten Infektionen der oberen Atemwege. *Forschende Komplementärmedizin / Research in Complementary Medicine*. 2007;14(4):207-215.
- Esch BM, Marian F, Busato A, Heusser P. Patient satisfaction with primary care: an observational study comparing anthroposophic and conventional care. *Health and quality of life outcomes*. 2008;6:74.
- Laengler A, Spix C, Seifert G, et al. Complementary and alternative treatment methods in children with cancer: A population-based retrospective survey on the prevalence of use in Germany. *European journal of cancer*. Oct 2008;44(15):2233-2240.
- Deglon-Fischer A, Barth J, Ausfeld-Hafter B. [Complementary and alternative medicine in primary care in Switzerland]. *Forschende Komplementärmedizin*. Aug 2009;16(4):251-255.
- Hamre HJ, Witt CM, Kienle GS, et al. Long-term outcomes of anthroposophic therapy for chronic low back pain: A two-year follow-up analysis. *Journal of pain research*. 2009;2:75-85.
- Hamre HJ, Witt CM, Kienle GS, et al. Anthroposophic therapy for children with chronic disease: a two-year prospective cohort study in routine outpatient settings. *BMC pediatrics*. 2009;9:39.
- Hamre HJ, Witt CM, Kienle GS, et al. Anthroposophic therapy for asthma: A two-year prospective cohort study in routine outpatient settings. *Journal of asthma and allergy*. 2009;2:111-128.
- Jeschke E, Ostermann T, Tabali M, et al. Diagnostic profiles and prescribing patterns in everyday anthroposophic medical practice--a prospective multi-centre study. *Forschende Komplementärmedizin*. Oct 2009;16(5):325-333.
- Jeschke E, Ostermann T, Vollmar HC, et al. Evaluation of prescribing patterns in a German network of CAM physicians for the treatment of patients with hypertension: a prospective observational study. *BMC family practice*. 2009;10:78.
- Busato H-PSA. Ist ärztliche Komplementärmedizin wirtschaftlich? *Schweizerische Ärztezeitung | Bulletin des médecins suisses | Bollettino dei medici svizzeri* |2010;91: 18. 2010.
- Hamre H, Witt CM, Kienle GS, et al. Anthroposophic therapy for attention deficit hyperactivity: A two-year prospective study in outpatients. *International journal of general medicine*. 2010:239.

- Hamre HJ, Witt CM, Glockmann A, et al. Health costs in patients treated for depression, in patients with depressive symptoms treated for another chronic disorder, and in non- depressed patients: a two-year prospective cohort study in anthroposophic outpatient settings. *The European journal of health economics : HEPAC : health economics in prevention and care*. Feb 2010;11(1):77-94.
- Hamre HJ, Witt CM, Kienle GS, et al. Predictors of outcome after 6 and 12 months following anthroposophic therapy for adult outpatients with chronic disease: a secondary analysis from a prospective observational study. *BMC research notes*. 2010;3:218.
- Hamre HJ, Witt CM, Kienle GS, et al. Anthroposophic therapy for migraine: a two-year prospective cohort study in routine outpatient settings. *The open neurology journal*. 2010;4:100-110.
- Jeschke E, Ostermann T, Tabali M, et al. Anthroposophic medicine in pediatric primary care: a prospective, multicenter observational study on prescribing patterns. *Altern Ther Health Med*. Mar-Apr 2011;17(2):18-28.
- Jeschke E, Ostermann T, Vollmar HC, et al. Prescribing patterns in dementia: a multicentre observational study in a German network of CAM physicians. *BMC neurology*. 2011;11:99.
- Jeschke E, Ostermann T, Vollmar HC, et al. Depression, Comorbidities, and Prescriptions of Antidepressants in a German Network of GPs and Specialists with Subspecialisation in Anthroposophic Medicine: A Longitudinal Observational Study. *Evidence-based complementary and alternative medicine : eCAM*. 2012;2012:508623.
- Klein SD, Frei-Erb M, Wolf U. Usage of complementary medicine across Switzerland: results of the Swiss Health Survey 2007. *Swiss medical weekly*. 2012;142:w13666.
- Simões-Wüst AP, Jeschke E, Mennet M, et al. Prescribing pattern of Bryophyllum preparations among a network of anthroposophic physicians. *Forschende Komplementarmedizin*. 2012;19(6):293-301.
- Langler A, Zuzak TJ. Complementary and alternative medicine in paediatrics in daily practice-- a European perspective. *Complementary therapies in medicine*. Apr 2013;21 Suppl 1:S26-33.
- Schad F, Axtner J, Happe A, et al. Palliative care in patients with advanced lung cancer in a network of health service research in integrative oncology. *Journal of Clinical Oncology 31 (suppl.): e20710*. 2013.

- Schad F, Axtner J, Happe A, et al. Network Oncology (NO)--a clinical cancer register for health services research and the evaluation of integrative therapeutic interventions in anthroposophic medicine. *Forschende Komplementarmedizin*. 2013;20(5):353-360.
- Zuzak TJ, Bonkova J, Careddu D, et al. Use of complementary and alternative medicine by children in Europe: published data and expert perspectives. *Complementary therapies in medicine*. Apr 2013;21 Suppl 1:S34-47.
- Happe A, Kroz M, Matthes H, et al. Safety of Intravenous Application of Mistletoe (*Viscum album* L.) Preparations in Oncology: An Observational Study. *Evidence-based complementary and alternative medicine : eCAM*. 2014;2014:236310.
- Koster EB, Ong RR, Heybroek R, et al. The consumer quality index anthroposophic healthcare: a construction and validation study. *BMC health services research*. 2014;14:148.
- Ozturk C, Karatas H, Langler A, et al. Complementary and alternative medicine in pediatrics in Turkey. *World J Pediatr*. Nov 2014;10(4):299-305.
- Rosenzweig S, Heckenbach K, Ostermann T, et al. Medication and falls in elderly outpatients: an epidemiological study from a German Pharmacovigilance Network. *Evidence-based complementary and alternative medicine : eCAM*. 2014;3:483.
- Simões-Wüst AP, Rist L, Dettling M. Self-reported health characteristics and medication consumption by CAM users and nonusers: a Swiss cross-sectional survey. *Journal of alternative and complementary medicine*. Jan 2014;20(1):40-47.
- Sundberg T, Hök J, Finer D, et al. Evidence-informed integrative care systems—The way forward. *European Journal of Integrative Medicine*. 2014;6(1):12-20.
- Altin S, Passon A, Kautz-Freimuth S, et al. A qualitative study on barriers to evidence-based practice in patient counseling and advocacy in Germany. *BMC health services research*. Aug 11 2015;15:317.
- Brettschneider C, Luck T, Fleischer S, et al. Cost-utility analysis of a preventive home visit program for older adults in Germany. *BMC health services research*. 2015;15:141.
- Steele ML, Axtner J, Happe A, et al. Use and Safety of Intratumoral Application of European Mistletoe (*Viscum album* L) Preparations in Oncology. *Integrative cancer therapies*. Mar 2015;14(2):140-148.
- Sundberg T, Hussain-Alkhateeb L, Falkenberg T. Usage and cost of first-line drugs for patients referred to inpatient anthroposophic integrative care or inpatient conventional care for stress-related mental disorders--a register based study. *BMC complementary and alternative medicine*. Oct 14 2015;15:354.

- Zuzak TJ. Use of Complementary and Alternative Medicine by Children in Italy - A Status Quo. *Int J Complement Alt Med* 2016, 4(1): 00102. 2016.
- Simões-Wüst AP, Molto-Puigmarti C, Jansen EH, et al. Organic food consumption during pregnancy and its association with health-related characteristics: the KOALA Birth Cohort Study. *Public Health Nutr.* Jun 19 2017:1-12.
- Simões-Wüst AP, Molto-Puigmarti C, van Dongen MC, et al. Organic food consumption during pregnancy is associated with different consumer profiles, food patterns and intake: the KOALA Birth Cohort Study. *Public Health Nutr.* May 31 2017:1-11.

HSR related publication with information regarding anthroposophic life-style and/or anthroposophic medicine generated by institutions outside the anthroposophic community

- Busato A, Donges A, Herren S, et al. Health status and health care utilisation of patients in complementary and conventional primary care in Switzerland--an observational study. *Family practice.* Feb 2006;23(1):116-124.
- Widmer M, Donges A, Wapf V, et al. The supply of complementary and alternative medicine in Swiss hospitals. *Forschende Komplementarmedizin.* Dec 2006;13(6):356-361.
- Ben-Arye E, Ali-Shtayeh MS, Nejmi M, et al. Integrative oncology research in the Middle East: weaving traditional and complementary medicine in supportive care. *Support Care Cancer.* Mar 2012;20(3):557-564.
- Ben-Arye E, Steiner M, Karkabi K, et al. Barriers to integration of traditional and complementary medicine in supportive cancer care of arab patients in northern Israel. *Evidence-based complementary and alternative medicine : eCAM.* 2012;2012:401867.
- Ben-Arye E, Schiff E, Levy M, et al. Barriers and challenges in integration of anthroposophic medicine in supportive breast cancer care. *SpringerPlus.* 2013;2:364.
- Rossi E, Vita A, Baccetti S, et al. Complementary and alternative medicine for cancer patients: results of the EPAAC survey on integrative oncology centres in Europe. *Support Care Cancer.* Jun 2015;23(6):1795-1806.

References

1. Wölfle U, Elsholz FA, Kersten A, Haarhaus B, Müller WE, Schempp CM (2015) Expression and functional activity of the bitter taste receptors TAS2R1 and TAS2R38 in human keratinocytes. *Skin Pharmacol Physiol* 28:137–146
2. Wölfle U, Haarhaus B, Schempp CM (2015) Amarogentin displays immunomodulatory effects in human mast cells and keratinocytes. *Med Inflamm*
doi.org/10.1155/2015/630128
3. Hoffmann J, Wölfle U, Schempp CM, Casetti F (2016) *Potentilla officinalis* displays anti-inflammatory effects in the UV erythema test and on atopic skin. *J Dtsch Dermatol Ges* 14:917-922
4. Hoffmann J, Casetti F, Bullerkotte U, Haarhaus B, Schempp CM, Wölfle U (2016) Anti-inflammatory effects of agrimoniin-enriched *Potentilla erecta* fractions. *Molecules* 21, 792; doi:10.3390
5. Wölfle U, Hoffmann J, Haarhaus B, Mittapalli VR, Schempp CM (2017) Anti-inflammatory and vasoconstrictive properties of *Potentilla erecta* – a traditional medicinal plant from the northern hemisphere. *J Ethnopharmacol* 204: 86-94
6. Wölfle U, Laszczyk MN, Kraus M, Leuner K, Kersten A, Simon-Haarhaus B, Scheffler A, Martin SF, Müller WE, Nashan D, Schempp CM (2010) Triterpenes promote keratinocyte differentiation *in vitro*, *ex vivo* and *in vivo*. A role for the transient receptor potential canonical 6. *J Invest Dermatol* 130:113- 23
7. Ebeling S, Naumann K, Pollok S, Wardecki T, Vidal-Y-Sy S, Nascimento JM, Boerries M, Schmidt G, Brandner JM, Merfort I (2014) From a traditional medicinal plant to a rational drug: understanding the clinically proven wound healing efficacy of birch bark extract. *PLoS One*. 2014 Jan 22;9(1):e86147. doi: 10.1371/journal.pone.0086147. eCollection 2014.
8. Barret JP, Podmelle F, Lipový C, Rennekampff HO, Schumann H, Schwieger-Briel A, Zahn TR, Metelmann HR, on behalf of the BSH-12 and BSG-12 study groups (2017) Accelerated re-epithelialization of partial-thickness skin wounds by a topical betulin gel: Results of a randomized phase III clinical trials program. *BURNS*,
<http://dx.doi.org/10.1016/j.burns.2017.03.005>

ESTUDIOS SOBRE VISCUM ALBUM Y TRATAMIENTO DE CANCER

- Tröger W, Galun D, Reif M, Schumann A, Stankovic N, Milicevic M: **Quality of life of patients with advanced pancreatic cancer during treatment with mistletoe—a randomized controlled trial.** *Dtsch Arztebl Int* 2014, **111**:493-502
<http://www.aerzteblatt.de/pdf.asp?id=161151>
- Tröger W, Galun D, Reif M, Schumann A, Stankovic N, Milicevic M: **Viscum album [L.] extract therapy in patients with locally advanced or metastatic pancreatic cancer: a randomised clinical trial on overall survival.** *Eur J Cancer* 2013, **49**:3788-3797 -%%-<http://www.ejancer.com/article/S0959-8049%2813%2900550-9/pdf>
- Mansky PJ, Wallerstedt DB, Sannes TS, Stagl J, Johnson LL, Blackman MR, Grem JL, Swain SM, Monahan BP: **NCCAM/NCI Phase 1 Study of Mistletoe Extract and Gemcitabine in Patients with Advanced Solid Tumors.** *Evidence-Based Complementary and Alternative Medicine* 2013, **2013**: 964592
<http://www.hindawi.com/journals/ecam/2013/964592/>
- Mabed M, El-Helw L, Sharma S: **Phase II study of viscum fraxini-2 in patients with advanced hepatocellular carcinoma.** *Br J Cancer* 2004, **90**:65-69
[1http://www.nature.com/bjc/journal/v90/n1/full/6601463a.html](http://www.nature.com/bjc/journal/v90/n1/full/6601463a.html)
- Piao BK, Wang YX, Xie GR, Mansmann U, Matthes H, Beuth J, Lin HS: **Impact of complementary mistletoe extract treatment on quality of life in breast, ovarian and non-small cell lung cancer patients. A prospective randomized controlled clinical trial.** *Anticancer Res* 2004, **24**:303-309
[//http://ar.iijournals.org/content/24/1/303.full.pdf](http://ar.iijournals.org/content/24/1/303.full.pdf)
- Semiglasov VF, Stepula VV, Dudov A, Schnitker J, Mengs U: **Quality of life is improved in breast cancer patients by Standardised Mistletoe Extract PS76A2 during chemotherapy and follow-up: a randomised, placebo-controlled, double-blind, multicentre clinical trial.** *Anticancer Res* 2006, **26**:1519-1530
[/http://ar.iijournals.org/content/26/2B/1519.full.pdf](http://ar.iijournals.org/content/26/2B/1519.full.pdf)
- Kienle GS, Grugel R, Kiene H: **Safety of higher dosages of Viscum album L. in animals and humans - systematic review of immune changes and safety parameters.** *BMC Complement Altern Med* 2011, **11**:72
<http://www.biomedcentral.com/content/pdf/1472-6882-11-72.pdf>
- Kienle GS, Glockmann A, Schink M, Kiene H: **Viscum album L. extracts in breast and gynaecological cancers: a systematic review of clinical and preclinical research.** *Journal of Experimental & Clinical Cancer Research: CR* 2009, **28**:79 ---
<http://www.biomedcentral.com/content/pdf/1756-9966-28-79.pdf>

- Kienle GS, Kiene H: **Complementary cancer therapy: a systematic review of prospective clinical trials on anthroposophic mistletoe extracts.** *Eur J Med Res* 2007, **12**:103-119 - http://www.daig-net.de/site-content/die-daig/fachorgan/2007-1/ejomr-2007_3-pdfs/S.103_Kienle.pdf
- Kienle GS, Kiene H: **Influence of *Viscum Album L* (European Mistletoe) Extracts on Quality of Life in Cancer Patients: A Systematic Review of Controlled Clinical Studies.** *Integr Cancer Ther* 2010, **9**:142-157
<http://ict.sagepub.com/content/9/2/142.long>

REFERENCIAS

- Molassiotis A, Fernandez-Ortega P, Pud D, Ozden G, Scott JA, Panteli V, Margulies A, Browall M, Magri M, Selvekerova S: **Use of complementary and alternative medicine in cancer patients: a European survey.** *Ann Oncol* 2005, **16**(4):655.
- Weis J, Bartsch HH, Hennies F, Rietschel M, Heim M, Adam G, Görtner U, Ammon A: **Complementary medicine in cancer patients: demand, patients' attitudes and psychological beliefs.** *Onkologie* 1998, **21**:144-149.
- Petru E, Schmied P, Petru C: **Komplementäre Maßnahmen bei Patientinnen mit gynäkologischen Malignomen unter Chemo- und Hormontherapie - Bestandsaufnahme und kritische Überlegungen für die Praxis.** *Geburtshilfe Frauenheilkd* 2001, **61**:75-78.
- Längler A, Spix C, Seifert G, Gottschling S, Graf N, Kaatsch P: **Complementary and alternative treatment methods in children with cancer: A population-based retrospective survey on the prevalence of use in Germany.** *Eur J Cancer* 2008, **44**(15):2233-2240.
- Fasching PA, Thiel F, Nicolaisen-Murmann K, Rauh C, Engel J, Lux MP, Beckmann MW, Bani MR: **Association of complementary methods with quality of life and life satisfaction in patients with gynecologic and breast malignancies.** *Support Care Cancer* 2007, **55**(11):1277-1284.
- Kienle GS, Kiene H: **Die Mistel in der Onkologie - Fakten und konzeptionelle Grundlagen.** Stuttgart, New York: Schattauer Verlag; 2003.
- Büssing A: **Mistletoe. The Genus *Viscum*** Amsterdam: Hardwood Academic Publishers; 2000.
- Kienle GS, Kiene H, Albonico HU: **Anthroposophic Medicine: Effectiveness, Utility, Costs, Safety.** Stuttgart, New York: Schattauer Verlag; 2006.

- Franz H, Ziska P, Kindt A: **Isolation and properties of three lectins from mistletoe (*Viscum album* L.).** *Biochemical Journal* 1981, **195**:481-484.
- Winterfeld K, Bijnen AB: **Viscotoxin, ein neuer Inhaltsstoff der Mistel (*Viscum album* L.).** *Liebigs Ann Chem* 1948, **561**:107-115.
- Winterfeld K, Kronenthaler A: **Zur Chemie des blutdrucksenkenden Bestandteils der Mistel. (*Viscum album*).** *Arch Pharm* 1942, **280**:103-115.
- Mueller EA, Anderer FA: **A *Viscum album* oligosaccharide activating human natural cytotoxicity is an interferon gamma inducer.** *Cancer Immunol Immunother* 1990, **32**:221-227.
- Klett CY, Anderer FA: **Activation of natural killer cell cytotoxicity of human blood monocytes by a low molecular weight component from *Viscum album* extract.** *Arzneimittel-Forschung/Drug Research* 1989, **39 (II)**(12):1580-1585.
- Urech K, Scher JM, Hostanska K, Becker H: **Apoptosis inducing activity of viscin, a lipophilic extract from *Viscum album* L.** *Journal of Pharmacy and Pharmacology* 2005, **57** 101-109.
- Struh CM, Jager S, Kersten A, Schempp CM, Scheffler A, Martin SF: **Triterpenoids amplify anti- tumoral effects of mistletoe extracts on murine B16.f10 melanoma in vivo.** *PLoS One* 2013, **8**(4):e62168.
- Struh CM, Jager S, Schempp CM, Scheffler A, Martin SF: **A novel triterpene extract from mistletoe induces rapid apoptosis in murine B16.F10 melanoma cells.** *Phytother Res* 2012, **26**(10):1507-1512.
- Delebinski CI, Jaeger S, Kemnitz-Hassanin K, Henze G, Lode HN, Seifert GJ: **A new development of triterpene acid-containing extracts from *Viscum album* L. displays synergistic induction of apoptosis in acute lymphoblastic leukaemia.** *Cell Prolif* 2012, **45**(2):176-187.
- Kleinsimon S, Kauczor G, Jaeger S, Eggert A, Seifert G, Delebinski C: ***Viscum*TT induces apoptosis and alters IAP expression in osteosarcoma in vitro and has synergistic action when combined with different chemotherapeutic drugs.** *BMC Complement Altern Med* 2017, **17**(1):26.
- Twardziok M, Kleinsimon S, Rolff J, Jager S, Eggert A, Seifert G, Delebinski CI: **Multiple Active Compounds from *Viscum album* L. Synergistically Converge to Promote Apoptosis in Ewing Sarcoma.** *PLoS One* 2016, **11**(9):e0159749.
- Büssing A: **Induction of apoptosis by the mistletoe lectins: a review on the mechanisms of cytotoxicity mediated by *Viscum album* L.** *Apoptosis* 1996(1):25-32.

- Büssing A, Vervecken W, Wagner M, Wagner B, Pflller U, Schietzel M: **Expression of mitochondrial Apo2.7 molecules and Caspase-3 activation in human lymphocytes treated with the ribosome- inhibiting mistletoe lectins and the cell membrane permeabilizing viscotoxins.** *Cytometry* 1999, **37**(2):133-139.
- Janssen O, Scheffler A, Kabelitz D: **In vitro effects of mistletoe extracts and mistletoe lectins. Cytotoxicity towards tumor cells due to the induction of programmed cell death (apoptosis).** *Arzneimittel-Forschung/Drug Research* 1993, **43**(II)(11):1221-1227.
- Büssing A, Schaller G, Pfüller U: **Generation of reactive oxygen intermediates (ROI) by the thionins from *Viscum album* L . .** *Anticancer Res* 1998, **18**:4291-4296.
- Podlech O, Harter PN, Mittelbronn M, Poschel S, Naumann U: **Fermented mistletoe extract as a multimodal antitumoral agent in gliomas.** *Evid Based Complement Alternat Med* 2012, **2012**:501796.
- Elluru SR, Van Huyen JPD, Delignat S, Prost F, Heudes D, Kazatchkine MD, Friboulet A, Kaveri SV: **Antiangiogenic properties of *Viscum album* extracts are associated with endothelial cytotoxicity.** *Anticancer Res* 2009, **29**(8):2945.
- Büssing A, Azhari T, Ostendorp K, Lehnert A, Schweizer K: ***Viscum album* L. extracts reduce sister chromatid exchanges in cultured peripheral blood mononuclear cells.** *Eur J Cancer* 1994, **30A**(12):1836-1841.
- Büssing A, Jungmann H, Suzart K, Schweizer K: **Suppression of sister chromatid exchange-inducing DNA lesions in cultured peripheral blood mononuclear cells by *Viscum album* L.** *J Exp Clin Cancer Res* 1996, **15**:107-114.
- Büssing A, Regnery A, Schweizer K: **Effects of *Viscum album* L. on cyclophosphamide-treated peripheral blood mononuclear cells in vitro: sister chromatid exchanges and activation/proliferation marker expression.** *Cancer Letters* 1995(94):199-205.
- Kovacs E, Hajto T, Hostanska K: **Improvement of DNA repair in lymphocytes of breast cancer patients treated with *Viscum album* extract (Iscador).** *Eur J Cancer* 1991, **27**(12):1672-1676.
- Kienle GS, Glockmann A, Schink M, Kiene H: ***Viscum album* L. extracts in breast and gynaecologic cancers: A systematic review of clinical and preclinical research.** *J Exp Clin Cancer Res* 2009, **28**(79):doi:10.1186/1756-9966-1128-1179.
- Gaafar R, Rahman A, Aboukasem F, El Bastawisy A: **Mistletoe preparation (*Viscum Fraxini-2*) as palliative treatment for malignant pleural effusion: a feasibility study with comparison to bleomycin.** *Ecancermedicalscience* 2014, **8**:424.

- Bar-Sela G, Wollner M, Hammer L, Agbarya A, Dudnik E, Haim N: **Mistletoe as complementary treatment in patients with advanced non-small-cell lung cancer treated with carboplatin-based combinations: A randomised phase II study.** *Eur J Cancer* 2013, **49**(5):1058-1064.
- Grah C: **Misteltherapie bei nichtkleinzelligem Bronchialkarzinom. Randomisierte, offene Phase-II- Studie zur Untersuchung der Verträglichkeit und Wirksamkeit von Viscum-album-Extrakt in der palliativen, additiven Behandlung des fortgeschrittenen nichtkleinzelligen Bronchialkarzinoms.** GKH Havelhöhe, Akademisches Lehrkrankenhaus der medizinischen Fakultät der Charité, Universitätsmedizin Berlin; 2010.
- Grah C, Matthes B, Happel H, Lemmens HP: **Randomisierte, offene Phase-II-Studie zur Untersuchung von Viscum album-Extrakt in der palliativen, additiven Behandlung des fortgeschrittenen nichtkleinzelligen Bronchialkarzinoms (NSCLC).** In: *Die Mistel in der Tumorthherapie 3 Aktueller Stand der Forschung und klinische Anwendung.* edn. Edited by Scheer R, Alban S, Becker H, Blaschek W, Kreis W, Matthes H, Schilcher H, Stange R. Essen: KVC Verlag; 2013: 389-401.
- Longhi A, Reif M, Mariani E, Ferrari S: **A Randomized Study on Postrelapse Disease-Free Survival with Adjuvant Mistletoe versus Oral Etoposide in Osteosarcoma Patients.** *Evid Based Complement Alternat Med* 2014, **2014**:210198.
- Kim KC, Yook JH, Eisenbraun J, Kim BS, Huber R: **Quality of life, immunomodulation and safety of adjuvant mistletoe treatment in patients with gastric carcinoma - a randomized, controlled pilot study.** *BMC Complement Altern Med* 2012, **12**(1):172.
- Grossarth-Maticsek R, Ziegler R: **Kontrollierte Studien zur präventiven Misteltherapie bei Myomen, Endometriosen und Cervix Dysplasie.** In: *Die Mistel in der Tumorthherapie 2 - Aktueller Stand der Forschung und klinische Anwendung.* edn. Edited by Scheer R, Alban S, Becker H, Holzgrabe U, Kemper FH, Kreis W, Matthes H, Schilcher F. Essen: KVC Verlag; 2009: 537-550.
- Hekal IA, Samer T, Ibrahim EI: **Viscum Fraxini 2, as an adjuvant therapy after resection of superficial bladder cancer: Prospective clinical randomized study. Abstract P8.** In.; 2009: 120.
- Tröger W, Jezdic S, Zdrale Z, Tisma N, Hamre HJ, Matijasevic M: **Quality of life and neutropenia in patients with early stage breast cancer: A randomized pilot study comparing additional treatment with mistletoe extract to chemotherapy alone.** *Breast Cancer: Basic and Clinical Research* 2009, **3**:35-45.

- Tröger W, Matijasevic M, Zdrle Z, Tisma N, Jezdic S: **Additional therapy with mistletoe extracts in breast cancer patients receiving chemotherapy: a prospective randomized open label pilot study.** In: *Die Mistel in der Tumorthapie 2 - Aktueller Stand der Forschung und klinische Anwendung.* edn. Edited by Scheer R, Alban S, Becker H, Holzgrabe U, Kemper FH, Kreis W, Matthes H, Schilcher H. Essen: KVC-Verlag; 2009: 509-521.
- Tröger W, Zdrle Z, Stankovic N, Matijasevic M: **Five-Year Follow-Up of patients with early stage Breast cancer After a Randomized study comparing Additional Treatment with Viscum Album (L.) extract to chemotherapy Alone.** *Breast Cancer: Basic and Clinical Research* 2012, **6**:173.
- Tröger W, Zdrle Z, Tisma N, Matijasevic M: **Additional therapy with a mistletoe product during adjuvant chemotherapy of breast cancer patients improves quality of life.** *Evidence Based Complementary and Alternative Medicine* 2014, **In press.**
- Büssing A, Brückner U, Enser-Weis U, Schnelle M, Schumann A, Schietzel M, Hatzmann W, Hackmann J: **Modulation of chemotherapy-associated immunosuppression by intravenous application of Viscum album L. extract (Iscador): a randomised phase II study.** *Eur J Integr Med* 2008, **1**:S44-S45.
- Grossarth-Maticek R, Ziegler R: **Randomized and non-randomized prospective controlled cohort studies in matched pair design for the long-term therapy of corpus uteri cancer patients with a mistletoe preparation (Iscador).** *Eur J Med Res* 2008, **13** 107-120.
- Grossarth-Maticek R, Ziegler R: **Prospective controlled cohort studies on long-term therapy of ovarian cancer patients with mistletoe (Viscum album L.) extracts Iscador.** *Arzneimittel- Forschung/Drug Research* 2007, **57** (10):665-678.
- Grossarth-Maticek R, Ziegler R: **Wirksamkeit und Unbedenklichkeit einer Langzeitbehandlung von Melanompatienten mit einem Mistelpräparat (Iscador ©)** *Schweizerische Zeitschrift für Ganzheitsmedizin* 2007, **19** 325-332.
- Grossarth-Maticek R, Ziegler R: **Prospective controlled cohort studies on long-term therapy of cervical cancer patients with a mistletoe preparation (Iscador©)** *Forsch Komplementarmed Klass Naturheilkd* 2007, **14** 140-147.
- Schink M, Tröger W, Dabidian A, Goyert A, Scheuerecker H, Meyer J, Fischer IU, Glaser F: **Mistletoe extract reduces the surgical suppression of natural killer cell activity in cancer patients. A randomized phase III trial.** *Forsch Komplementarmed Klass Naturheilkd* 2007, **14** (1):9-17.

- Grossarth-Maticek R, Ziegler R: **Prospective controlled cohort studies on long-term therapy of breast cancer patients with a mistletoe preparation (Iscador).** *Forsch Komplementarmed Klass Naturheilkd* 2006, **13** 285-292.
- Grossarth-Maticek R, Ziegler R: **Prospective controlled cohort studies on long-term therapy of breast cancer patients with a mistletoe preparation (Iscador) - Supplementary materials.** In.; 2006.
- Auerbach L, Dostal V, Vclavik-Fleck I, Kubista E, Rosenberger A, Rieger S, Tr"ger W, Schierholz JM: **Signifikant h"herer Anteil aktivierter NK-Zellen durch additive Misteltherapie bei chemotherapierten Mamma-Ca-Patientinnen in einer prospektiven randomisierten doppelblinden Studie.** In: *Fortschritte in der Misteltherapie Aktueller Stand der Forschung und klinischen Anwendung.* edn. Edited by Scheer R, Bauer R, Becker H, Fintelmann V, Kemper FH, Schilcher H. Essen: KVC Verlag; 2005: 543-554.
- Enesel MB, Acalovschi I, Grosu V, Sbarcea A, Rusu C, Dobre A, Weiss T, Zarkovic K: **Perioperative application of the *Viscum album* extract Isorel in digestive tract cancer patients.** *Anticancer Res* 2005, **25** 4583-4590.
- Eggermont A, Kleeberg UR, Ruiter DJ, Suci S: **European Organization for Research and Treatment of Cancer Melanoma Group trial experience with more than 2,000 patients, evaluating adjuvant treatment with low or intermediate doses of interferon alpha-2b.** In: *American Society of Clinical Oncology Educational Book.* edn. Edited by American Society of Clinical O. Baltimore, MD: Lippincott Williams & Wilkins; 2001: 88-93.
- Kleeberg UR, Suci S, Br"cker EB, Ruiter DJ, Chartier C, Linnard D, Marsden J, Schadendorf D, Eggermont AMM: **Final results of the EORTC 18871/DKG 80-1 randomised phase III trial: rIFN- α 2b versus rIFN- γ versus Iscador M versus observation after surgery in melanoma patients with either high-risk primary (thickness >3mm) or regional lymph node metastasis.** *Eur J Cancer* 2004, **40**:390 - 402.
- Piao BK, Wang YX, Xie GR, Mansmann U, Matthes H, Beuth J, Lin HS: **Impact of complementary mistletoe extract treatment on quality of life in breast, ovarian and non-small cell lung cancer patients. A prospective randomized controlled clinical trial.** *Anticancer Res* 2004, **24**(1):303-309.
- Cazacu M, Oniu T, Lungoci C, Mihailov A, Cipak A, Klinger R, Weiss T, Zarkovic N: **The influence of Isorel on the advanced colorectal cancer.** *Cancer Biotherapy & Radiopharmaceuticals* 2003, **18** (1):27-34.
- Borrelli E: **Evaluation of the quality of life in breast cancer patients undergoing lectin standardized mistletoe therapy.** *Minerva Medica* 2001, **92** (Suppl. 1):105-107.

- Grossarth-Maticek R, Kiene H, Baumgartner S, Ziegler R: **Use of Iscador, an extract of European mistletoe (*Viscum album*), in cancer treatment: prospective nonrandomized and randomized matched-pair studies nested within a cohort study.** *Alternative Therapies in Health and Medicine* 2001, **7**(3):57-78.
- Kim MH, Park YK, Lee SH, Kim SC, Lee SY, Kim CH, Kim YK, Kim KH, Moon HS, Song JS *et al*: **Comparative study on the effects of a *Viscum album* (L.) extract (mistletoe) and doxycycline for pleurodesis in patients with malignant pleural effusion.** 51th Meeting of The Korean Association of Internal Medicine. Translation by Helixor Heilmittel GmbH. *Korean Journal of Medicine* 1999, **57**(Suppl. II):S121.
- Dold U, Edler L, Müllerer HC, Müllerer-Wening D, Sakellariou B, Trendelenburg F, Wagner G: **Krebszusatztherapie beim fortgeschrittenen nicht-kleinzelligen Bronchialkarzinom.** Stuttgart, New York: Georg Thieme Verlag; 1991.
- Salzer G, Danmayr E, Wutzlhofer F, Frey S: **Adjuvante Iscador-Behandlung operierter nicht kleinzelliger Bronchuskarzinome.** *Dtsch Z Onkol* 1991, **23**(4):93-98.
- Gutsch J, Berger H, Scholz G, Denck H: **Prospektive Studie beim radikal operierten Mammakarzinom mit Polychemotherapie, Helixor und unbehandelter Kontrolle.** *Dtsch Z Onkol* 1988(4):94-100.
- Salzer G: **30 Jahre Erfahrung mit der Misteltherapie an Öffentlichen Krankenanstalten.** In: *Misteltherapie Eine Antwort auf die Herausforderung Krebs.* edn. Edited by Leroi R. Stuttgart: Verlag Freies Geistesleben; 1987: 173-215.
- Douwes FR, Wolfrum DI, Migeod F: **Ergebnisse einer prospektiv randomisierten Studie: Chemotherapie versus Chemotherapie plus "Biological Response Modifier" bei metastasierendem kolorektalen Karzinom.** *Krebsgeschehen* 1986, **18**(6):155-163.
- Lange O, Scholz G, Gutsch J: **Modulation der subjektiven und objektiven Toxizität einer aggressiven Chemotherapie mit Helixor.** Unpublished Report. In.; 1985.
- Salzer G, Havelec L: **Adjuvante Iscador-Behandlung nach operiertem Magenkarzinom. Ergebnisse einer randomisierten Studie.** *Krebsgeschehen* 1983, **15**(4):106-110.
- Salzer G: **Prospektiv randomisierte Studie: Operiertes Magenkarzinom - Adjuvante Behandlung mit Iscador.** *Dtsch Z Onkol* 1988, **20**(4):90-93.
- Salzer G, Denck H: **Randomisierte Studie über medikamentöse Rezidivprophylaxe mit 5-Fluorouracil und Iscador beim resezierten Magenkarzinom - Ergebnisse einer Zwischenauswertung.** *Krebsgeschehen* 1979, **11**(5):130-131.

- Steuer-Vogt MK, Bonkowsky V, Ambrosch P, Scholz M, Neia A, Strutz J, Hennig M, Lenartz T, Arnold W: **The effect of an adjuvant mistletoe treatment programme in resected head and neck cancer patients: a randomised controlled clinical trial.** *Eur J Cancer* 2001, **37**:23-31.
- Heiny BM: **Additive Therapie mit standardisiertem Mistelextrakt reduziert die Leukopenie und verbessert die Lebensqualität von Patientinnen mit fortgeschrittenem Mammakarzinom unter palliativer Chemotherapie (VEC-Schema).** *Krebsmedizin* 1991, **12**(Sonderdruck):1-14.
- Heiny BM, Albrecht V: **Komplementäre Therapie mit Mistellektin-1-normiertem Extrakt. Lebensqualitätsstabilisierung beim fortgeschrittenen kolorektalen Karzinom - Fakt oder Fiktion?** *Die Medizinische Welt* 1997, **48**:419-423.
- Lenartz D, Dott U, Menzel J, Schierholz JM, Beuth J: **Survival of glioma patients after complementary treatment with galactoside-specific lectin from mistletoe.** *Anticancer Res* 2000, **20**(3B):2073-2076.
- Lenartz D, Stoffel B, Menzel J, Beuth J: **Immunoprotective activity of the galactoside-specific lectin from Mistletoe after tumor destructive therapy in glioma patients.** *Anticancer Res* 1996, **16**:3799- 3802.
- Brinkmann OA, L mmen G, Luboldt HJ, Hertle L, R bben H: **Interferon à, interleukin 2 and 5- fluorouracil compared with mistletoe lectin in metastatic renal cell carcinoma (MRCC).** *European Urology* 2000, **37**(Suppl. 2):152.
- L mmen G, Brinkmann OA, Luboldt HJ, Hertle L, R bben H: **Interferon-a, interleukin-2 and 5- fluorouracil versus mistletoe lectin in metastatic renal cell carcinoma: Long-term results.** *European Urology* 2001, **39**(Sppliment 5):121.
- Goebell PJ, Otto T, Suhr J, R bben H: **Evaluation of an unconventional treatment modality with mistletoe lectin to prevent recurrence of superficial bladder cancer: a randomized phase II trial.** *The Journal of Urology* 2002, **168**:72-75.
- Semiglasov VF, Stepula VV, Dudov A, Lehmacher W, Mengs U: **The standardised mistletoe extract PS76A2 improves QoL in patients with breast cancer receiving adjuvant CMF chemotherapy: a randomised, placebo-controlled, double-blind, multicentre clinical trial.** *Anticancer Res* 2004, **24**:1293-1302.
- Semiglasov VF, Stepula VV, Dudov A, Schnitker J, Mengs U: **Quality of life is improved in breast cancer patients by Standardised Mistletoe Extract PS76A2 during chemotherapy and follow-up: a randomised, placebo-controlled, double-blind, multicentre clinical trial.** *Anticancer Res* 2006, **26** 1519-1530.
- Kienle GS, Kiene H: **Influence of Viscum Album L (European Mistletoe) Extracts on Quality of Life in Cancer Patients: A Systematic Review of Controlled Clinical Studies.** *Integr Cancer Ther* 2010, **9**(2):142-157.

- Horneber MA, Bueschel G, Huber R, Linde K, Rostock M: **Mistletoe therapy in oncology**. *Cochrane Database Syst Rev* 2008(2):CD003297.
- Kienle GS, Berrino F, B ssing A, Portalupi E, Rosenzweig S, Kiene H: **Mistletoe in cancer - a systematic review on controlled clinical trials**. *Eur J Med Res* 2003, **8**:109-119.
- Kienle GS, Kiene H: **Complementary cancer therapy: a systematic review of prospective clinical trials on anthroposophic mistletoe extracts**. *Eur J Med Res* 2007, **12**(3):103-119.
- Kienle GS, Glockmann A, Grugel R, Hamre HJ, Kiene H: **[Clinical research on anthroposophic medicine:update of a health technology assessment report and status quo]**. *Forsch Komplementarmed Klass Naturheilkd* 2011, **18**(5):269-282.
- Mabed M, El-Helw L, Sharma S: **Phase II study of viscum fraxini-2 in patients with advanced hepatocellular carcinoma**. *Br J Cancer* 2004, **90**:65-69.
- Mahfouz MM, Ghaleb HA, Zawawy A, Scheffler A: **Significant tumor reduction, improvement of pain and quality of life and normalization of sleeping patterns of cancer patients treated with a high dose of mistletoe**. *Ann Oncol* 1998, **9**(S2):129.
- Mahfouz MM, Ghaleb HA, Hamza MR, Fares L, Moussa L, Moustafua A, El-Za Wawy A, Kourashy L, Mobarak L, Saed S *et al*: **Multicenter open labeled clinical study in advanced breast cancer patients. A preliminary report**. *Journal of the Egyptian NatCancer Inst* 1999, **11** (3):221-227.
- Seifert G, Tautz C, Seeger K, Henze G, Laengler A: **Therapeutic use of mistletoe for CD30+ cutaneous lymphoproliferative disorder / lymphomatoid papulosis**. *J Eur Acad Dermatol Venereol* 2006, **21** 1- 2.
- Werthmann PG, Sträter G, Friesland H, Kienle GS: **Durable Response of Cutaneous Squamous Cell Carcinoma Following High-dose Peri-lesional Injections of Viscum album Extracts - A Case Report**. *Phytomedicine* 2013, **20**:324-327.
- Orange M, Fonseca M, Lace A, von Laue HB, Geider S: **Durable tumour responses following primary high-dose induction with mistletoe extracts: Two case reports**. *Eur J Integr Med* 2010, **2**:63-69.
- Orange M, Lace A, Fonseca M, von Laue HB, Geider S, Kienle GS: **Durable Regression of Primary Cutaneous B-cell Lymphoma following Fever-inducing Mistletoe Treatment - Two Case Reports**. *Glob Adv Health Med* 2012, **1**(1):16-23.
- Kirsch A: **Successful treatment of metastatic malignant melanoma with Viscum album extract (Iscador M)**. *J Altern Complement Med* 2007, **13**(4):443-445.

- Rose A, El-Leithy T, vom Dorp F, Zakaria A, Eisenhardt A, Tschirdewahn S, Rubben H: **Mistletoe Plant Extract in Patients with Nonmuscle Invasive Bladder Cancer: Results of a Phase Ib/IIa Single Group Dose Escalation Study.** *J Urol* 2015, **194**(4):939-943.
- Kienle GS, Mussler M, Fuchs D, Kiene H: **Intravenous Mistletoe Treatment in Integrative Cancer Care: A Qualitative Study Exploring the Procedures, Concepts, and Observations of Expert Doctors.** *Evid Based Complement Alternat Med* 2016, **2016**:4628287.
- Kienle GS, Mussler M, Fuchs D, Kiene H: **Individualized Integrative Cancer Care in Anthroposophic Medicine: A Qualitative Study of the Concepts and Procedures of Expert Doctors.** *Integr Cancer Ther* 2016.
- Sugarman J: **Are mistletoe extract injections the next big thing in cancer therapy?** *Johns Hopkins Magazine* 2014, **2016**(May 1sts).
- Rexer H, Geschäftsstelle der AUO: **Study on the treatment of nonmuscle invasive bladder cancer: A phase III efficacy study for intravesical instillation of mistletoe extract in superficial bladder cancer (TIM) AB 40/11 of the AUO.** *Urologe A* 2015, **54**(3):406-408.
- Steele ML, Axtner J, Happe A, Kroz M, Matthes H, Schad F: **Adverse Drug Reactions and Expected Effects to Therapy with Subcutaneous Mistletoe Extracts (*Viscum album L.*) in Cancer Patients.** *EvidBased Complement AlternatMed* 2014, **2014**:724258.
- Steele ML, Axtner J, Happe A, Kroz M, Matthes H, Schad F: **Safety of Intravenous Application of Mistletoe (*Viscum album L.*) Preparations in Oncology: An Observational Study.** *Evid Based Complement Alternat Med* 2014, **2014**:236310.
- Stein GM, Pflller U, Schietzel M, Büssing A: **Toxic proteins from European mistletoe (*Viscum album L.*) : increase of intracellular IL-4 but decrease of IFN- γ in apoptic cells.** *Anticancer Res* 2000, **20**(3A):1673-1678.
- Stein GM, Berg PA: **Adverse effects during therapy with mistletoe extracts.** In: *Mistletoe The Genus *Viscum** edn. Edited by Büssing A. Amsterdam: Hardwood Academic Publishers; 2000: 195-208.

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- Kienle GS, Mussler M, Fuchs D, Kiene H: **Individualized Integrative Cancer Care in Anthroposophic Medicine: A Qualitative Study of the Concepts and Procedures of Expert Doctors.** *Integrative cancer therapies* 2016.
- Schad F, Axtner J, Happe A, Breitzkreuz T, Paxino C, Gutsch J, Matthes B, Debus M, Kröz M, Spahn G *et al*: **Network Oncology (NO) - a Clinical Cancer Register for Health Services Research and the Evaluation of Integrative Therapeutic Interventions in Anthroposophic Medicine.** *Forschende Komplementarmedizin (2006)* 2013, **20**(5):353-360.
- Stone P, Richardson A, Ream E, Smith AG, Kerr DJ, Kearney N: **Cancer-related fatigue: inevitable, unimportant and untreatable? Results of a multi-centre patient survey.** *Cancer Fatigue Forum. Annals of oncology : official journal of the European Society for Medical Oncology / ESMO* 2000, **11**(8):971-975.
- Arndt V, Merx H, Stegmaier C, Ziegler H, Brenner H: **Persistence of restrictions in quality of life from the first to the third year after diagnosis in women with breast cancer.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology* 2005, **23**(22):4945-4953.
- Innominato PF, Focan C, Gorlia T, Moreau T, Garufi C, Waterhouse J, Giacchetti S, Coudert B, Iacobelli S, Genet D *et al*: **Circadian rhythm in rest and activity: a biological correlate of quality of life and a predictor of survival in patients with metastatic colorectal cancer.** *Cancer research* 2009, **69**(11):4700-4707.
- Kröz M, Linke J, Gutenbrunner C, Girke M, Hecht K, Bockelbrink A, Dimeo F, Matthes H: **Cancer Fatigue, disturbed rest/activity regulation and sleep disturbances with female patients with non metastatic breast cancer - a pilotstudy.** *Phys Med Rehab Kuror* 2010, **20**(3):152-157.
- Innominato PF, Spiegel D, Ulusakarya A, Giacchetti S, Bjarnason GA, Levi F, Palesh O: **Subjective sleep and overall survival in chemotherapy-naive patients with metastatic colorectal cancer.** *Sleep medicine* 2015, **16**(3):391-398.
- Palesh O, Aldridge-Gerry A, Zeitzer JM, Koopman C, Neri E, Giese-Davis J, Jo B, Kraemer H, Nouriani B, Spiegel D: **Actigraphy-measured sleep disruption as a predictor of survival among women with advanced breast cancer.** *Sleep* 2014, **37**(5):837-842.
- Girke M: **Kapitel XIII - Onkologie.** In: *Innere Medizin Krankheitsverständnis und Therapiekonzepte der Anthroposophischen Medizin.* Berlin: Salumed Verlag; 2010: 413-546.

- Heusser P, Braun SB, Ziegler R, Bertschy M, Helwig S, van Wegberg B, Cerny T: **Palliative in-patient cancer treatment in an anthroposophic hospital: I. Treatment patterns and compliance with anthroposophic medicine.** *Forsch Komplementarmed* 2006, **13**(2):94-100.
- Laengler A, Spix C Fau - Edelhauser F, Edelhauser F Fau - Martin DD, Martin Dd Fau - Kameda G, Kameda G Fau - Kaatsch P, Kaatsch P Fau - Seifert G, Seifert G: **Anthroposophic medicine in paediatric oncology in Germany: results of a.** *Pediatr Blood Cancer* 2010, **55**(6):1111-1117 LID - 1110.1002/pbc.22523 [doi].
- Ben-Arye E, Schiff E, Levy M, Raz OG, Barak Y, Bar-Sela G: **Barriers and challenges in integration of anthroposophic medicine in supportive breast cancer care.** *Springerplus* 2013, **2**:364.
- Bar-Sela G, Atid L, Danos S, Gabay N, Epelbaum R: **Art therapy improved depression and influenced fatigue levels in cancer patients on chemotherapy.** *Psycho-oncology* 2007, **16**(11):980-984.
- Kanitz JL, Pretzer K Fau - Calaminus G, Calaminus G Fau - Wiener A, Wiener A Fau - Langler A, Langler A Fau - Henze G, Henze G Fau - Driever PH, Driever Ph Fau - Seifert G, Seifert G: **Eurythmy therapy in the aftercare of pediatric posterior fossa tumour.** *Complementary therapies in medicine* 2013, **21** Suppl 1:S3-9 LID - 10.1016/j.ctim.2012.1002.1007 [doi] LID - S0965-2299(1012)00037-00034 [pii].
- Kröz M, Fink M, Reif M, Grobbecke S, Zerm R, Quetz M, Frühwirth M, Brinkhaus B, Bartsch C, Girke M *et al*: **Multimodal therapy concept and aerobic training in breast cancer patients with chronic cancer-related fatigue.** *Integrative cancer therapies* 2013, **12**(4):301-311.
- Kröz M, Reif M, Glinz A, Berger B, Nikolaou A, Zerm R, Brinkhaus B, Girke M, Büssing A, Gutenbrunner C: **Impact of a combined multimodal-aerobic and multimodal intervention compared to standard aerobic treatment in breast cancer survivors with chronic cancer-related fatigue - results of a three- armed pragmatic trial in a comprehensive cohort design.** *BMC cancer* 2017, **17**(1):166.

RESISTENCIA A LOS ANTIBIOTICOS

Links to some articles

<https://www.hindawi.com/journals/ecam/2014/243801/> http://cognition-based-medicine.eu/Abstract/PDFs/HH05_1.pdf

<https://www.hindawi.com/journals/ecam/2015/521584/>

Links to some current projects

- Appropriate use of antibiotics: the role of CAM treatment strategies
<http://www.bristol.ac.uk/primaryhealthcare/researchthemes/atafuti.html>
- <http://www.southampton.ac.uk/namrip/research/pharmacology-and-therapeutics/pelargonium-trials.page>

Studies

- Koster, E.B., Ong, R.R., Heybroek, R., Delnoij, D.M., Baars, E.W. (2014). The consumer quality index anthroposophic healthcare: a construction and validation study. *BMC health services research*, 14(1):1
- NICE guideline (2015). *Antimicrobial stewardship: systems and processes for effective antimicrobial medicine use*.
- O'Neill, J. (2016). *Tackling drug-resistant infections globally: final report and recommendations*. London: Wellcome Trust & HM Government.
- Smith E (2016). *Evaluation of the EC Action Plan Against the Rising Threats From Antimicrobial Resistance: Final Report*. Luxembourg: Publications Office of the European Union:150 p
- World Health Organization. (2015). *Global action plan on antimicrobial resistance*. WHO: Geneva **In-vitro studies**
- Jooste, P. (2009). *An in-vitro study of the comparative effect of individual components of two anthroposophical complexes to chloramphenicol on the growth of Staphylococcus aureus* (Doctoral dissertation).
- Maune, S. (2008). Anti-microbial potential of medical plant extracts (Sinupret®) regarding sinusitis. *European Journal of Integrative Medicine*, 1, 12-13.
- Roser, E. et al., (2014). Screening of Anthroposophic medications on antibiotic activity in vitro. *Der Merkurstab* 6:448-455.

- Roser, E. (2015). Investigating the antimicrobial potential of selected Anthroposophic medications which were promising in the screening (Doctorate thesis)
- Roser, E., Gründemann, C., Engels, I., & Huber, R. (2016). Antibacterial in vitro effects of preparations from Anthroposophical Medicine. *BMC Complementary and Alternative Medicine*, 16(1), 372.
- Schiefelbein, B. I. (2008). *An in-vitro study of the comparative effect of two anthroposophical eyedrop preparations on the growth of Staphylococcus Aureus* (Doctoral dissertation).

Clinical studies

- Hamre HJ, Fischer M, Heger M, Riley D, Haidvogel M, Baars E, Bristol E, Evans M, Schwarz R, Kiene H. Anthroposophic vs. conventional therapy of acute respiratory and ear infections: a prospective outcomes study. *Wien Klin Wochenschr* 2005;117(7/8):256-68.
- Hamre HJ, Fischer M, Heger M, Riley D, Haidvogel M, Baars E, Bristol E, Evans M, Schwarz R, Kiene H. Anthroposophische vs. konventionelle Therapie bei akuten Ohr- und Atemwegsinfekten: eine prospektive Outcomes-Studie. *Der Merkurstab* 2005;58(3):172-84.
- Hamre HJ, Glockmann A, Schwarz R, Riley DS, Baars EW, Kiene H, Kienle GS. Antibiotic use in children with acute respiratory or ear infections: prospective observational comparison of anthroposophic and conventional treatment under routine primary care conditions. *Evid Based Complement Alternat Med* 2014. Article ID 243801, 127 pp.
- Jeschke, E., Ostermann, T., Lüke, C., Tabali, M., Kröz, M., Bockelbrink, A., ... & Matthes, H. (2009). Remedies Containing Asteraceae Extracts. *Drug safety*,32(8), 691-706.
- Jeschke E, Lüke C, Ostermann T, Tabali M, Huebner J, Matthes H. Verordnungsverhalten anthroposophisch orientierter Ärzte bei akuten Infektionen der oberen Atemwege. *Forschende Komplementärmedizin/Research in Complementary Medicine*. 2007;14(4):207–215.
- Stoss, M., Michels, C., Peter, E., Beutke, R., & Gorter, R. W. (2000). Prospective cohort trial of Euphrasia single-dose eye drops in conjunctivitis. *The Journal of Alternative and Complementary Medicine*, 6(6), 499-508.

- Süsskind, M., Thürmann, P. A., Lüke, C., Jeschke, E., Tabali, M., Matthes, H., & Ostermann, T. (2012). Adverse drug reactions in a complementary medicine hospital: a prospective, intensified surveillance study. *Evidence-Based Complementary and Alternative Medicine*, 2012.

Reviews

- Baars EW et al. (2016). *Scoping review to explore the contribution of anthroposophic medicine to the reduction of antimicrobial resistance. Background, expertise, evidence and projects*. Oestrich-Winkel/ Driebergen: Sustainable Business Institute/Louis Bolk Institute.
- Eurocam (2015). The role of Complementary and Alternative Medicine (CAM) in reducing the problem of antimicrobial resistance.
- Kok, E. T., Jong, M. C., Gravendeel, B., Van Leeuwen, W. B., & Baars, E. W. (2015). Resistance to Antibiotics and Antifungal Medicinal Products: Can Complementary and Alternative Medicine Help Solve the Problem in Common Infection Diseases? The Introduction of a Dutch Research Consortium. *Evidence-Based Complementary and Alternative Medicine*, 2015.

Prescription studies

- Jeschke, E., Lüke, C., Ostermann, T., Tabali, M., Huebner, J., & Matthes, H. (2007). Prescribing practices in the treatment of upper respiratory tract infections in anthroposophic medicine. *Forschende Komplementarmedizin* (2006), 14(4), 207-215.
- Jeschke, E., Ostermann, T., Tabali, M., Kröz, M., Bockelbrink, A., Witt, C. M., ... & Matthes, H. (2011). Anthroposophic medicine in pediatric primary care: a prospective, multicenter observational study on prescribing patterns. *Alternative therapies in health and medicine*, 17(2), 18.
- Jeschke, E., Ostermann, T., Tabali, M., Bockelbrink, A., Witt, C., Willich, S. N., & Matthes, H. (2009). The treatment of children with anthroposophic medicine in daily primary care—Results of a network study. *European Journal of Integrative Medicine*, 1(4), 203.

Lifestyle studies

- Alfven, T., et al., Allergic diseases and atopic sensitization in children related to farming and anthroposophic lifestyle-the PARSIFAL study. *Allergy*, 2006. **61**(4): p. 414-21.
- Alm, J. S., Swartz, J., Björkstén, B., Engstrand, L., Engström, J., Kühn, I., ... & Reinders, C. (2002). An anthroposophic lifestyle and intestinal microflora in infancy. *Pediatric Allergy and Immunology*, *13*(6), 402-411.
- Alm, J. S., Swartz, J., Lilja, G., Scheynius, A., & Pershagen, G. (1999). Atopy in children of families with an anthroposophic lifestyle. *The Lancet*, *353*(9163), 1485-1488.
- Albonico, H. U., Bräker, H. U., & Hüsler, J. (1998). Febrile infectious childhood diseases in the history of cancer patients and matched control. *Medical hypotheses*, *51*(4), 315-320.
- Earn DJ, Andrews PW, Bolker BM (2014). Population-level effects of suppressing fever. *Proceedings of the Royal Society of London B: Biological Sciences*, *281*(1778):20132570.
- Hesla, H. M., Gutzeit, C., Stenius, F., Scheynius, A., Dahl, H., Linde, A., & Alm, J. (2013). Herpesvirus infections and allergic sensitization in children of families with anthroposophic and non- anthroposophic lifestyle—the ALADDIN birth cohort. *Pediatric Allergy and Immunology*, *24*(1), 61-65.
- Klotter, J. (2006). Anthroposophic lifestyle & allergies in children. *Townsend Letter: The Examiner of Alternative Medicine*, (274), 24-26.
- Moenkhoff, M., Baenziger, O., Fischer, J., & Fanconi, S. (1999). Parental attitude towards alternative medicine in the paediatric intensive care unit. *European journal of pediatrics*, *158*(1), 12-17.
- Rosenlund, H., Bergström, A., Alm, J. S., Swartz, J., Scheynius, A., van Hage, M., ... & Riedler, J. (2009). Allergic disease and atopic sensitization in children in relation to measles vaccination and measles infection. *Pediatrics*, *123*(3), 771-778.
- Siedler, A., Mankertz, A., Feil, F., Ahlemeyer, G., Hornig, A., Kirchner, M., ... & Reiter, S. (2011). Closer to the goal: efforts in measles elimination in Germany 2010. *Journal of Infectious diseases*, *204*(suppl 1), S373-S380.

Other supportive studies

- Kienle GS. Fever in Cancer Treatment: Coley's Therapy and Epidemiologic Observations. *Global Advances in Health and Medicine* 2012;1(1):90-8.
- Little, P., Moore, M., Kelly, J., Williamson, I., Leydon, G., McDermott, L., ... & Stuart, B. (2014). Delayed antibiotic prescribing strategies for respiratory tract infections in primary care: pragmatic, factorial, randomised controlled trial. *BMJ*, 348, g1606.
- Martin, D. D. (2016). Fever: Views in Anthroposophic Medicine and Their Scientific Validity. *Evidence- Based Complementary and Alternative Medicine*, 2016.
- Panossian A, Wikman G (2013). Efficacy of *Andrographis paniculata* in upper respiratory tract infectious diseases and the mechanism of action. *Evidence and rational based research on Chinese drugs*:137-179.
- Wagner L et al. (2015). Herbal Medicine for Cough: a Systematic Review and Meta-Analysis. *Forsch Komplementmed*, 22:359-368.
- Wang CH, Fang CC, Chen NC, Liu SSH, Yu PH, Wu TY, ... Chen SC (2012). Cranberry-containing products for prevention of urinary tract infections in susceptible populations: a systematic review and meta- analysis of randomized controlled trials. *Archives of internal medicine*, 172(13):988-996.
- Ritchie, J., Wilkinson, J., Gantley, M., Feder, G., Carter, Y., & Formby, J. (2001). *A model of integrated primary care: anthroposophic medicine*. London, UK: Queen Mary, University of London.
- Schempp CM, Wölfle U, Rispens JA, Schaette R. (2011). Coriander (*Coriandrum sativum* L.) - a Mediterranean umbellifer with medicinal and antimicrobial properties. *Merkurstab* 64: 339-345.
- Van der Bie et al. (2008). *The Healing Process - Organ of Repair*. Louis Bolk Institute, Driebergen.
- Wapf, V., & Busato, A. (2007). Patients' motives for choosing a physician: comparison between conventional and complementary medicine in Swiss primary care. *BMC Complementary and Alternative Medicine*, 7(1), 1.

OBSTETRICIA

- Simões-Wüst, A.P., et al., Sleep Quality Improves During Treatment With Bryophyllum pinnatum: An Observational Study on Cancer Patients. *Integr Cancer Ther*, 2015. 14(5): p. 452-9.
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4538317/pdf/10.1177_1534735415580680.pdf
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4480447/pdf/12906_2015_Article_663.pdf
[http://www.iacionline.org/article/S0091-6749\(15\)01729-7/pdf](http://www.iacionline.org/article/S0091-6749(15)01729-7/pdf)
- Berger, B., C. Schwarz, and P. Heusser, Watchful waiting or induction of labour--a matter of informed choice: identification, analysis and critical appraisal of decision aids and patient information regarding care options for women with uncomplicated singleton late and post term pregnancies: a review. *BMC Complement Altern Med*, 2015. 15: p. 143. Fagerstedt, S., et al., Anthroposophic lifestyle is associated with a lower incidence of food allergen sensitization
- Fürer, K., et al., Bryophyllum pinnatum and Related Species Used in Anthroposophic Medicine: Constituents, Pharmacological Activities, and Clinical Efficacy. *Planta Med*, 2016.
- Simões-Wüst, A.P., et al., Prescribing Pattern of Bryophyllum Preparations among a Network of Anthroposophic Physicians. *Forsch Komplementmed*, 2012. 19(6): p. 293-301.
- Lambrigger-Steiner, C., et al., Sleep quality in pregnancy during treatment with Bryophyllum pinnatum: an observational study. *Phytomedicine*, 2014. 21(5): p. 753-7
- Hassauer, W., K. Schreiber, and D. Von der Decken, Ein neuer Weg in der tokolytischen Therapie. *Erfahrungsheilkunde*, 1985. 34: p. 683-687.
- Daub, E., Vorzeitige Wehentätigkeit. Ihre Behandlung mit pflanzlichen Substanzen, eine klinische Studie. 1989, Stuttgart: Urachhaus.
- Vilaghy, I., Decreasing the rate of premature delivery with phytotherapy--results from general practice] Senkung der Frühgeburtenrate mit Phytotherapie--Ergebnisse aus der Praxis. *Ther Umsch*, 2002. 59(12): p. 696-701.
- Plangger, N., et al., Intravenous tocolysis with Bryophyllum pinnatum is better tolerated than beta-agonist application. *Eur J Obstet Gynecol Reprod Biol*, 2006. 124(2): p. 168-72.

- Fürer, K., et al., The Application of Bryophyllum pinnatum Preparations in Obstetrics and Gynaecology - a Multicenter, Prospective Observational Study]. *Forsch Komplementmed*, 2015. **22**(4): p. 231-6.
- Gwehenberger, B., et al., Effect of Bryophyllum pinnatum versus fenoterol on uterine contractility. *Eur J Obstet Gynecol Reprod Biol*, 2004. **113**(2): p. 164-71.
- Wächter, R., et al., Leaf press juice from Bryophyllum pinnatum (Lamarck) Oken induces myometrial relaxation. *Phytomedicine*, 2011. **19**(1): p. 74-82.
- Simões-Wüst, A.P., et al., Juice of Bryophyllum pinnatum (Lam.) inhibits oxytocin-induced increase of the intracellular calcium concentration in human myometrial cells. *Phytomedicine*, 2010. **17**(12): p. 980-6.
- Simões-Wüst, A.P., et al., Influence of alternative lifestyles on self-reported body weight and health characteristics in women. *Eur J Public Health*, 2014. **24**(2): p. 321-7.
- Floistrup, H., et al., Allergic disease and sensitization in Steiner school children. *J Allergy Clin Immunol*, 2006. **117**(1): p. 59-66.
- Rist, L., et al., Influence of organic diet on the amount of conjugated linoleic acids in breast milk of lactating women in the Netherlands. *Br J Nutr*, 2007. **97**(4): p. 735-43.
- Simões-Wüst, A.P., et al., Consumption of dairy products of biodynamic origin is correlated with increased contents of rumenic and trans-vaccenic acid in the breast milk of lactating women. *Organic Agriculture* 2011. **1**(3): p. 161-166.
- Thijs, C., et al., Fatty acids in breast milk and development of atopic eczema and allergic sensitisation in infancy. *Allergy*, 2011. **66**(1): p. 58-67.
- Fagerstedt, S., et al., Anthroposophic lifestyle influences the concentration of metals in placenta and cord blood. *Environ Res*, 2015. **136**: p. 88-96.
- Fagerstedt, S., et al., Anthroposophic lifestyle is associated with a lower incidence of food allergen sensitization in early childhood. *J Allergy Clin Immunol*, 2016. **137**(4): p. 1253-6 e1-3.

EURITMIA TERAPEUTICA

- Büssing A, Ostermann T, Majorek M, Matthiessen PF (2008) Eurythmy Therapy in clinical studies: a systematic literature review. *BMC Complement Altern Med* 8:8. doi: 10.1186/1472-6882-8-8
- Lötze D, Heusser P, Büssing A (2015) A systematic literature review on the effectiveness of eurythmy therapy. *J. Integr. Med.*
- Kanitz JL, Pretzer K, Reif M, et al (2011) The impact of eurythmy therapy on stress coping strategies and health-related quality of life in healthy, moderately stressed adults. *Complement Ther Med* 19:247–255. doi: 10.1016/j.ctim.2011.06.008
- Zerm R, Lutnaes-Mast F, Mast H, et al (2013) Effects of Eurythmy Therapy in the Treatment of Essential Arterial Hypertension: A Pilot Study. *Glob Adv Health Med* 2:24–30. doi: 10.7453/gahmj.2013.2.1.006
- Hamre HJ, Witt CM, Kienle GS, et al (2009) Anthroposophic Therapy for Anxiety Disorders: A Two-year Prospective Cohort Study in Routine Outpatient Settings. *Clin. Med. Psychiatry*
- Schwab JH, Murphy JB, Andersson P, et al (2011) Eurythmy in Anxiety. *Altern Ther* 17:58–65.
- Kanitz JL, Pretzer K, Reif M, et al (2012) The impact of eurythmy therapy on fatigue in healthy adults—A controlled trial. *Eur J Integr Med* 4:e289–e297. doi: 10.1016/j.eujim.2012.02.006
- Edelhäuser F, Minnerop A, Trapp B, et al (2015) Eurythmy therapy increases specific oscillations of heart rate variability. *BMC Complement Altern Med* 15:167. doi: 10.1186/s12906-015-0684-6
- Kanitz JL, Pretzer K, Calaminus G, et al (2013) Eurythmy therapy in the aftercare of pediatric posterior fossa tumour survivors—A pilot study. *Complement Ther Med* 21 (Suppl 1):3–9. doi: 10.1016/j.ctim.2012.02.007
- Hamre HJ, Witt CM, Glockmann A, et al (2007) Anthroposophic vs. conventional therapy for chronic low back pain: a prospective comparative study. *Eur J Med Res* 12:302–310.
- Hamre HJ, Witt CM, Kienle GS, et al (2009) Long-term outcomes of anthroposophic therapy for chronic low back pain: A two-year follow-up analysis. *J Pain Res* 2:75–85.

- Majorek M, Tüchelmann T, Heusser P (2004) Therapeutic Eurythmy-movement therapy for children with attention deficit hyperactivity disorder (ADHD): a pilot study. *Complement Ther Nurs Midwifery* 10:46–53. doi: 10.1016/S1353-6117(03)00087-8
- Büssing A, Poier D, Ostermann T, et al (2017) [Treatment of Chronic Lower Back Pain: Study Protocol of a Comparative Effectiveness Study on Yoga, Eurythmy Therapy, and Physiotherapeutic Exercises]. *Complement Med Res*. doi: 10.1159/000471801
- Büssing A, Jung S, Lötze D, Recchia DR, Robens S, Ostermann T, Berger B, Stankewitz J, Kröz M, Jeitler M, Kessler C, Michalsen A: Randomized clinical trial to treat patients with chronic back pain: a comparison of the efficacy of Yoga, Eurythmy therapy and standard physiotherapy. *BMC Complementary and Alternative Medicine* 2017, 17(Suppl 1):322; abstract P27, p. 59.

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