COLLECTION OF PUBLICATIONS OF ONCOTHERMIA

Oncotherm is keen to prepare studies and publish those in relevant scientific and medical literature. Our philosophy covers a complex interation between the various levels of research and applications. The basic researches (theoretical considerations and in-silico models) are followed by the laboratory experiments in-vitro and in-vivo completed with preclinical and afterwards clinical studies. All steps are interacting not only with the next forward, but could affect the previous research steps for corrections, modifications and further developments. This complex research scheme allows us being ready to absorb the latest results from the worldwide literature and making own development on the available top of the state-of-art. Herewith we demonstrate our actual results with our publications from the laboratories until the clinical applications. Many PubMed registered publications are in harmony with the topics whics are too technical or simple sumbitted to the not NCI registered publishers.

To be active for the training of our oncotherm community, we issue informative newsletters each month and we publish our Oncothermia Journal (ISSN 2191-6438) three times a year [1], sharing the hot topics in the oncothermia research field with our community members and with other interested researchers, too. There are quite a large number of publications in the journal which can be found on its website.

Oncothermia is the special method of Oncotherm Kft., became the trade-name of the treatment modality of modulated electro-hyperthermia (mEHT), and is nowadays mentioned as nanothermia in the relevant literature.

Clinical studies

Gliomas (advanced)

- A phase II clinical study on relapsed malignant gliomas treated with electro-hyperthermia [2],
- Transcranial electro-hyperthermia combined with alkylating chemotherapy in patients with relapsed high-grade gliomas [3],
- Clinical and economic evaluation of modulated electrohyperthermia concurrent to dose-dense temozolomide 21/28 days regimen in the treatment of recurrent glioblastoma: a retrospective analysis of a two-centre German cohort trial with systematic comparison and effect-to-treatment analysis [4],
- The induction of immunogenic cell death (ICD) during maintenance chemotherapy and subsequent multimodal immunotherapy for glioblastoma (GBM) [5],
- Glioblastoma multiforme Grad IV: Regionale Tiefenhyperthermie, Antiangiogenese mit Thalidomid, Hochdosis-Ascorbinsäureinfusionen und komplementäre Therapie [6],
- Prospective phase II trial for recurrent high-grade malignant gliomas with capacitive coupled low radiofrequency (LRF) deep hyperthermia [7],
- Retrospective clinical study of adjuvant electro-hyperthermia treatment for advanced brain-gliomas [8],
- Hyperthermia in combination with ACNU chemotherapy in the treatment of recurrent glioblastoma [9],
- The treatment of patients with high-grade malignant gliomas with RF-hyperthermia [10],
- Modulated electrohyperthermia in integrative cancer treatment for relapsed malignant glioblastoma and astrocytoma: Retrospective multicenter controlled study [11],
- Nanoparticles and nanothermia for malignant brain tumors, a suggestion of treatment for further investigation [12],

Gastrointestinal (advanced)

- Deep hyperthermia with radiofrequencies in patients with liver metastases from colorectal cancer [13],
- Sorafenib and locoregional deep electro-hyperthermia in advanced hepatocellular carcinoma. A phase II study [14],

Lung

- Current status of oncothermia therapy for lung cancer [15],
- Definitive radiotherapy with concurrent oncothermia for stage IIIB non-small-cell lung cancer: A case report [16],
- The safety and pharmacokinetics of high dose intravenous ascorbic acid synergy with modulated electrohyperthermia in Chinese patients with stage III-IV non-small cell lung cancer [17],
- The Outcome of the Chemotherapy and Oncothermia for Far Advanced Adenocarcinoma of the Lung: Case reports of four patients [18],
- Oncothermia with chemotherapy in the patients with Small Cell Lung Cancer [19],
- Clinical study for advanced non-small-cell lung-cancer treated by oncothermia [20],

Gynecology

- Successful treatment of advanced ovarian cancer with thermochemotherapy and adjuvant immune therapy [21],
- Positive response of a primary leiomyosarcoma of the breast following salvage hyperthermia and pazopanib [22],
- Long-term survival of a breast cancer patient with extensive liver metastases upon immune and virotherapy: a case report [23],
- Treatment outcome analysis of chemotherapy combined with modulated electro-hyperthermia compared with chemotherapy alone for recurrent cervical cancer, following irradiation. [24],
- Oncothermia in HIV positive and negative locally advanced cervical cancer patients in South Africa [25],
- Treatment of advanced cervical cancer with complex chemoradio – hyperthermia [26],

- Update on phase III randomized clinical trial investigating the effects of the addition of electro-hyperthermia to chemoradio-therapy for cervical cancer patients in South Africa (27),
- Combined treatment with modulated electro-hyperthermia and an autophagy inhibitor effectively inhibit ovarian and cervical cancer growth (28),

Bone

- Posttreatment histology and microcirculation status of osteogenic sarcoma after a neoadjuvant chemo- and radiotherapy in combination with local electromagnetic hyperthermia (29),
- Successful treatment of solitary bone metastasis of non-small cell lung cancer with combination of bevacizumab and hyperthermia (30),

Prostate

- Long-term remission of prostate cancer with extensive bone metastases upon immuno- and virotherapy: A case report (31),
- Androtherm application for the Peyronie's Disease (32),
- Prostatakarzinom: Neue Aspekte für Diagnostik und Therapie (33),
- Für und Wider des Prostata-Karzinom-Screenings (34),
- Neue Studie heizt Diskussion über den Wert von PSA-Tests an (35),
- Sanfte Hilfen für die Prostata (36),
- Bestrahlung der Prostata erhöht Rektum-Ca-Risiko (37),
- Rebell gegen den Krebs. Biologische Intensivtherapie – Neue Hoffnung für Patienten? (38),
- Radiofrequency Transurethral Hyperthermia and complete Androgen Blockade. A Nonsurgical Approach to Treating Prostate Cancer (39),
- Transurethral hyperthermia in early stage prostate cancer (40),
- Adjuvante Radiotherapie: Welcher Patient mit Prostatakarzinom profitiert? (41),
- Hoffnung bei Prostata-Beschwerden. Die neue Therapie ohne Messer (42),
- Malignus és benignus prosztatadaganatok hyperthermiája (43),

Multiple

- Bevacizumab-Based Chemotherapy Combined with Regional Deep Capacitive Hyperthermia in Metastatic Cancer Patients: A Pilot Study (44),

Temperature

- The effect of modulated electro-hyperthermia on the pharmacokinetic properties of nefopam in healthy volunteers: A randomised, single-dose, crossover open-label study (45),
- Effect of modulated electrohyperthermia on the pharmacokinetics of oral transmucosal fentanyl citrate in healthy volunteers (46),
- The effect of modulated electro-hyperthermia on temperature and blood flow in human cervical carcinoma (47),

Immuno-oncology

- Oncolytic Newcastle disease virus as a prospective anti-cancer therapy. A biologic agent with potential to break therapy resistance (48),
- Hypoxia Immunity, Metabolism and Hyperthermia (49),
- Stage IV Wilms tumor treated by Korean medicine, hyperthermia and thymosin-α1: A case report (50),
- A new strategy of cancer immunotherapy combining hyperthermia/oncolytic virus pretreatment with specific autologous anti-tumor vaccination - a review (51),
- Role of HIF-1α in response of tumors to a combination of hyperthermia and radiation in vivo (52),

Non-oncology

- Oncothermia-Booster (Targeted Radiofrequency) Treatment – in Some Non-Oncological Diseases as Special Physiotherapy (53),
- Synergy between Oncothermia and Traditional Chinese Medicine (54),
- Low back pain – complex approach of treatment by different CAM modalities (Acupuncture and other type of dry-needling, "Targeted RF non invasive physiotherapy" for low back pain). (55),
- Newer application of oncothermia to non-malignant diseases such as Dupuytren's contracture of the hand and chronic lower back pain lasting more than 4 weeks (56),

- Fluctuations hypothesize the new explanation of meridians in living systems (57),

Toxicity

- Tolerability of external electro-hyperthermia in the treatment of solid tumors (58),

Sarcoma

- Results of oncothermia combined with operation, chemotherapy and radiation therapy for primary, recurrent and metastatic sarcoma (59),
- The results of combination of ifosfamid and locoregional hyperthermia (EHY 2000) in patients with advanced abdominal soft-tissue sarcoma after relapse of first line chemotherapy (60),

Pancreas

- Second-line chemotherapy with gemcitabine and oxaliplatin in combination with loco-regional hyperthermia (EHY-2000) in patients with refractory metastatic pancreatic cancer - preliminary results of a prospective trial (61),
- Clinical study for advanced pancreas cancer treated by oncothermia (62),
- Behandlung des fortgeschrittenen Pankreaskarzinoms mit regionaler Hyperthermie und einer Zytostase mit Mitomycin- C und 5-Fluorouracil/ Folinsäure (63),
- Thermochemotherapy of the advanced pancreas carcinoma (64),
- Thermo-Chemotherapie des fortgeschrittenen Pankreaskarzinoms. Ergebnisseeiner klinischen Anwendungsstudie (65),
- Complex therapy of the not in sano respectable carcinoma of the pancreas – a pilot study (66),

Lyme-disease

- Lyme Disease and Oncothermia (67),

Multiple

- Oncothermia Application for Various Malignant Diseases (68),

- Oncothermia: Emerging Therapy in Oncology [69],

Liver

- Lebermetastasen bei kolorektalen Karzinomen [70],
- Deep electro-hyperthermia (EHY) with or without thermo-active agents in patients with advanced hepatic cell carcinoma: phase II study [71],

Melanoma

- Malignes Melanom Stadium IV: Anwendung von regionaler Tiefenhyperthermie, Tamoxifen, Interferon-α und komplementären Therapien [72],

WBH

- Whole body hyperthermia combined with carboplatin/paclitaxel in patients with ovarian carcinoma – Phase-II-study [73],
- Whole-body hyperthermia in combination with platinum containing drugs in patients with recurrent ovarian cancer [74],

ECT

- Electrochemical Therapy of Tumors [75],

Experimental studies

Apoptosis

- Electro-hyperthermia inhibits glioma tumorigenicity through the induction of E2F1-mediated apoptosis [76],
- Programmed cell death induced by modulated electro-hyperthermia [77],
- A modulált rádiófrekvenciás (RF) hyperthermia (oncothermia) apoptózis-indukáló hatása immunhiányos egér xenograft tumorokban [The apoptosis-inducing effect of modulated radio-frequency (RF) hyperthermia (oncothermia) on immun deficient mouse xenograft tumors] [78],

- Klinikai vizsgálatok és evidenciák a modulált vezetéses rádiófrekvenciás hyperthermia (oncothermia) alkalmazásában (Clinical trials and evidences of the application of modulated radio-frequency hyperthermia) (79),
- Modulated electrohyperthermia causes caspase independent programmed cell death in HT29 colon cancer xenografts (80),
- Modulated electro-hyperthermia induced programmed cell death in HT29 colorectal carcinoma xenograft (81),
- DNA fragmentation-driven tumor cell degradation induced by modulated electro-hyperthermia (82),

Apoptosis, DAMP, ICD

- DNA fragmentation and caspase-independent programmed cell death by modulated electrohyperthermia (83),
- Upregulation of heat shock proteins and the promotion of damage-associated molecular pattern signals in a colorectal cancer model by modulated electrohyperthermia (84),

Abscopal effect

- Modulated electro-hyperthermia enhances dendritic cell therapy through an abscopal effect in mice (85),
- Improving immunological tumor microenvironment using electro-hyperthermia followed by dendritic cell immunotherapy (86),
- Modulated electro-hyperthermia induced loco-regional and systemic tumor destruction in colorectal cancer allografts (87),

Strong synergy

- Strong synergy of heat and modulated electro- magnetic field in tumor cell killing, Study of HT29 xenograft tumors in a nude mice model (88),

Human lymphoma U937 cells

- Comparison of biological effects of modulated electro-hyperthermia and conventional heat treatment in human lymphoma U937 cells (89),

Septin

- Electro-hyperthermia up-regulates tumour suppressor Septin 4 to induce apoptotic cell death in hepatocellular carcinoma (90),

In vitro comparison

- In vitro comparison of conventional hyperthermia and modulated electro-hyperthermia (91),

Preclinical

- Quantitative estimation of the equivalent radiation dose escalation using radiofrequency hyperthermia in mouse xenograft models of human lung cancer (92),
- Modulated electro-hyperthermia-enhanced liposomal drug uptake by cancer cells (93),
- Temperature increase induced by modulated electrohyperthermia (oncothermia®) in the anesthetized pig liver (94),
- Oncothermia research at preclinical level (95),
- Report of the pilot-study done for the proposed investigation on the possible synergic effect between high dose ascorbic acid application and oncothermia treatment (96),
- Oncothermia basic research at in vivo level. The first results in Japan (97),
- Diagnostic and therapeutic aspects of canine malignant melanoma. Part 2. Own experiences (98),
- Transferrin as a thermosensitizer in radiofrequency hyperthermia for cancer treatment (99),

Temperature

- Temperature mapping and thermal dose calculation in combined radiation therapy and 13.56 MHz radiofrequency hyperthermia for tumor treatment (100),
- Messung der Temperaturverteilung am Modell der nicht perfundierten Schweineleber bei lokaler Hyperthermie mit Kurzwellen mit 13,56 MHz (101),
- Deep temperature measurements in oncothermia processes (102),

Protein kinase signaling

- Mechanical regulation of mitogen-activated protein kinase signaling in articular cartilage (103),

mRNA

- Early changes in mRNA and protein expression related to cancer treatment by modulated electro-hyperthermia (104),

Modulation

- Modulation effect in oncothermia (105),
- Similarities of modulation by temperature and by electric field (106),

Nanoheating

- Nanoheating without Artificial Nanoparticles Part II. Experimental support of the nanoheating concept of the modulated electro-hyperthermia method, using U937 cell suspension model (107),

Monotherapy

- Cases that respond to oncothermia monotherapy (108),

Chondrocyte biosynthesis

- Electric field regulation of chondrocyte biosynthesis in agarose gel constructs (109)

Theoretical & In silico studies

Hypoxia

- Hyperthermia and hypoxia: new developments in anticancer chemotherapy (110),

Field effects

- Bioelectromagnetic paradigm of cancer treatment – Modulated electro-hyperthermia (mEHT) [111],
- Do Field-Free Electromagnetic Potentials Play a Role in Biology? [112],
- Effect of Curl-Free Potentials on Water [113],
- Axial vector interaction with bio-systems [114],
- Oncothermia: Complex therapy by EM and fractal physiology [115],

From lab

- Oncothermia treatment of cancer: from the laboratory to clinic [116],

Oncothermia general

- Hyperthermia versus oncothermia: Cellular effects in complementary cancer therapy [117],
- Oncothermia: A new paradigm and promising method in cancer therapies [118],
- A brief overview of hyperthermia in cancer treatment [119],
- Oncothermia - Nano-heating paradigm [120],

Thermal limit

- On the thermal noise limit of cellular membranes [121],

Fractal noise

- Pink noise behaviour of the bio-systems [122],
- Bio-response to White Noise Excitation [123],
- Internal charge redistribution and currents in cancerous lesions [124],

Instability

- An electrically driven instability: the living-state (Does the room temperature superconductivity exist?) [125],

Membrane effects

- New Theoretical Treatment of Ion Resonance Biological Phenomena (126),
- An energy analysis of extracellular hyperthermia (127),
- Water states in living systems. I. Structural aspects (128),

Dose

- Dose concept of oncological hyperthermia: Heat-equation considering the cell destruction (129),
- Hyperthermia, a Modality in the Wings (130),
- Heating, efficacy and dose of local hyperthermia (131),
- Generalization of the thermal dose of hyperthermia in oncology (132),
- Critical analysis of the thermodynamics of reaction kinetics (133),
- Connections between the specific absorption rate and the local temperature (134),
- Hyperthermia dosing and depth of effect (135),
- Oncological hyperthermia: The correct dosing in clinical applications (136),

Water-structure

- Modelling of the dissipative structure of water (137),
- A synergetic representation for the double-structure model of liquid water (138),
- Two-structure model of liquid water (139),
- Self-organizing processes and dissipative structure formation in the non-crystalline materials (140),

Cell-structures

- Topological Correlation in amorphous structures (141),
- Appearance of collectivity in two-dimensional cellular structures (142),
- From Random Cellular Structure to the Honeycomb Pattern (143),
- From two dimensional cellular structures to the honeycomb pattern (144),
- Háromdimenziós sejtrendszerek topológiai összefüggései (145),

- Topological aspects of ordering: Proceeding of the 7th Seminar of IFHT Heat Treatment Surface Engineering of Light Alloys (146),
- Connections between Warburg's and Szentgyorgyi's Approach about the Causes of Cancer (147),
- Reorganization of the cytoskeleton (148),
- Why modulated electrohyperthermia (mEHT) destroys the rouleaux formation of erythrocytes? (149),
- Bystander Effect of Oncothermia (150),

Electromagnetic radiation

- A mobiltelefonokból származó elektromágneses expozíció alakulása 900/1800/2100 MHz frekvencián (151),
- Assessment of electromagnetically treated wheat kernel at 120Hz using the FDTD method (152),
- Metal-framed spectacles and implants and specific absorption rate among adults and children using mobile phones at 900/1800/2100 MHz (153),

Blood-flow

- Negative impedance interval of blood flow in capillary bed (154),
- Non-Newtonian analysis of blood-flow (155),
- Hyperthermic radiology. Why to combine? (156),
- Non-Mechanical Energy Transfer of Electrically Neutral Electrolytes (157),

Front-page demo

- Front page illustration of Forum Medizine (158),

Quantum biology

- Onsagerian quantum mechanics (159),
- Nonequilibrium thermodynamic and quantum model of a damped oscillator (160),
- Rosen-Chambers variation theory of linearly-damped classic and quantum oscillator (161),

Review

- Challenges and Solutions in Oncological Hyperthermia [162],
- Personalised dosing of hyperthermia [163],
- Hyperthermie in der Tumortherapie [164],
- Too hot for cancer [165],
- Hyperthermia in oncology: A promising new method? [166],
- Hyperthermia today: electric energy, a new opportunity in cancer treatment [167],
- Hyperthermie in der Tumortherapie [168],
- Stellenwert der Hyperthermie in der Onkotherapie [169],
- Formen der Hyperthermie und klinische Ergebnisse [170],
- "Quo vadis" oncologic hyperthermia? [171],
- Critical Analysis Of Electromagnetic Hyperthermia Randomized Trials: Dubious Effect And Multiple Biases [172],
- Essentials of oncothermia [173],
- Hyperthermia versus oncothermia: Cellular effects in cancer therapy [174],
- Renewing Oncological Hyperthermia-Oncothermia [175],
- The History Of Hyperthermia Rise And Decline [176],
- Oncothermie [177],
- Traditionen und Reformen in der onkologischen Hyperhtermie [178],
- What is against the acceptance of hyperthermia treatment? [179],
- What is against the acceptance of hyperthermia? [180],
- Hyperthermie in der Onkologie: eine aktuell beforschte Behandlungsmethode [181],
- New Results, New Hopes [182],
- Elektromagnetische Hyperthermieverfahren: die kapazitive Kopplung [183],
- Hyperthermia for Oncology: An effective new treatment modality [184],
- Hyperthermie in der Onkologie mit einem historischen Überblick [185],
- Onkotermia fizika a rák ellen [186],
- Electro-hyperthermia: a new paradigm in cancer therapy [187],

- Hipertermia az onkológiában: onkotermia (188),
- Komparative, retrospektive klinische Studie in Bezug auf mit Onkothermie behandelten (189),
- Az ezerarcú víz (190),
- The myriad-minded water (191),
- The cancer revolution (192),
- Burden of oncothermia – Why is it special? (193),
- An allometric approach of tumor angiogenesis (194),
- What is on the horizon for hyperthermic cancer therapy? (195),

Personalization

- Oncothermia as personalized treatment option (196),
- Notes on psychophysics (197),
- Considering skin physiology in capacitive-coupled hyperthermia (198),

Book

- Electromagnetic effects in nanoscale range. Cellular Response to Physical Stress and Therapeutic Applications (199),
- Hyperthermia in oncology (200),
- Heat Therapy in oncology (201),
- Local hyperthermia in Oncology – To Choose or not to Choose? (202),
- Oncothermia – Principles and practices (203),
- Physical background and technical realization of hyperthermia (204),
- Bioelectromagnetic Paradigm of Cancer Treatment Oncothermia (205),
- Heat therapy in oncology, New paradigm in electro-hyperthermia (206),
- Rescuing your own cancer: changing the microenvironment of the tumor to overcome cancer with self-healing (207),

Membrane noise

- Effect of cellular membrane resistivity inhomogeneity on the thermal noise-limit (208),

- Heat penetration into the cell wall [209],
- Response of bio-systems on white noise excitation [210],
- Origin of pink-noise in bio-systems [211],

Electric field

- Role of electrical forces in angiogenesis [212],
- Reorganization of actin filaments and microtubules by outside electric field [213],
- Bioelectromagnetic interactions in agriculture: Controversial positions [214],
- Device and procedure for measuring and examining the signal of systems releasing measurable signal during operation or in response to external excitation [215],
- Electric field regulation of chondrocyte proliferation, biosynthesis and cellular signaling [216],
- Industrial device for stimulating seeds [217],
- Is the structure of the water convertible in physical way? [218],
- Üzemi berendezés vetőmagvak stimulációjára [219],
- Electrokinetics of temperature for development and treatment of effusions [220],

Nano heating

- Immune effects by selective heating of membrane rafts of cancer-cells [221],
- Heating of membrane raft of cancer-cells [222],
- Nanoheating without Artificial Nanoparticles [223],
- Electromagnetic effects in nanoscale range. Cellular Response to Physical Stress and Therapeutic Applications [224],
- Heating preciosity - trends in modern oncological hyperthermia [225],
- Energy absorption by the membrane rafts in the modulated electro-hyperthermia (mEHT) [226],

Thermodynamics

- On the Feynman Ratchet and the Brownian motor (227),
- On the extremum properties of thermodynamic steady state in non-linear systems (228),

Homeostasis

- On the Dynamic Equilibrium in Homeostasis (229),
- Study of the oxygen mass transfer in a gas-dispersing apparatus (230),
- On the self-similarity in biologyical processes (231),

Structural considerations

- On the Aboav-Weaire law (232)
- A short-range electronic instability in high Tc superconductors (233),
- Synergetic model of the formation of non-crystalline structures (234),
- On the topology of 2D polygonal and generalized cell systems (235),
- Electronically Driven Short-Range Lattice Instability: Possible Role in Superconductive Pairing (236),
- Correlation between the structural and electronic stability factors (237),
- Fractal models for the autocatalytic growth of amorphous thin films (238),
- Close-packed Frank-Kasper coordination and high critical temperature superconductivity (239),
- On electronic structure and metastability (240),
- Correlation of metastability, icosahedral symmetry and high-critical-temperature superconductivity (241),
- The exact solution of the real square-lattice-gas system (242),
- On the model calculation of the excitonic-like states and their possible role in autocatalytic processes (243),
- One possible analytical approximation of the critical point of the three-dimensional Ising model (244),
- Coherent potential approximation of the relationship between short-range order and the position of the fermi level on the state density curves (245),
- Intrinsic Noise Monitoring of Complex Systems (246),

Thesis

- Developments into electromagnetic stimulation of neural cells [247]
- Electric field regulation of chondrocyte proliferation, biosynthesis, and cellular signaling [248]
- Studio dei meccanismi fisiopatologici dell'ipertermia oncologica e dell'oncothermia [249]
- Studies on modulated electrohyperthermia induced tumor cell death in a colorectal carcinoma model [250]
- Preclinical investigation on the biological effects of modulated electro-hyperthermia [251]

References:

[1] www.oncothermia-journal.com

[2] Fiorentini G, Giovanis P, Rossi S, et al. (2006) A phase II clinical study on relapsed malignant gliomas treated with electro-hyperthermia. In Vivo 20(6A):721–724, https://www.ncbi.nlm.nih.gov/pubmed/17203754

[3] Wismeth C, Dudel C, Pascher C, et al. (2010) Transcranial electro-hyperthermia combined with alkylating chemotherapy in patients with relapsed high-grade gliomas – Phase I clinical results. J Neurooncol 98(3):395–405, http://www.ncbi.nlm.nih.gov/pubmed/?term=Transcranial+electro-hyperthermia+combined+with+alkylating+chemotherapy+in+patients+with+relapsed+high-grade+gliomas+%E2%80%93+Phase+I+clinical+results

[4] Roussakow S. (2017) Clinical and economic evaluation of modulated electrohyperthermia concurrent to dose-dense temozolomide 21/28 days regimen in the treatment of recurrent glioblastoma: a retrospective analysis of a two-centre German cohort trial with systematic comparison and effect-to-treatment analysis, BMJ Open, 7:e017387.doi.1136/bmjopen-2017-017387, http://bmjopen.bmj.com/content/bmjopen/7/11/e017387.full.pdf

[5] Van Gool SW, Makalowski J, Feyen O, Prix L, Schirrmacher V and Stuecker W. (2018) The induction of immunogenic cell death (ICD) during maintenance chemotherapy and subsequent multimodal immunotherapy for glioblastoma (GBM), Austin Oncol Case Rep, Vol. 3, Issue 1, pp. 1-8, http://www.iozk.de/aktuelles/iozk_glioblastoma_immunotherapy_austin_oncology_report_2018.pdf

[6] Hager ED, Birkenmeier J. (2006) Glioblastoma multiforme Grad IV: Regionale Tiefenhyperthermie, Antiangiogenese mit Thalidomid, Hochdosis-Ascorbinsäureinfusionen und komplementäre Therapie, Deutsche Zeitschrift für Onkologie 38(3):133-135, DOI: 10.1055/s-2006-952050, https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2006-952050

[7] Hager ED, Sahinbas H, Groenemeyer DH et al. (2008) Prospective phase II trial for recurrent high-grade malignant gliomas with capacitive coupled low radiofrequency (LRF) deep hyperthermia. ASCO, J Clin Oncol, Annual Meeting Proceedings (Post-Meeting Edition) 26:2047, http://www.portmoodyhealth.com/resource/prospective-phase-ii-trial-for-recurrent-high-

grade-malignant-gliomas-with-capacitive-coupled-low-radiofrequency-lrf-deep-hyperthermia/

[8] Sahinbas H, Groenemeyer DHW, Boecher E, Szasz A (2007) Retrospective clinical study of adjuvant electro-hyperthermia treatment for advanced brain-gliomas. Deutsche Zeitschrift fuer Onkologie 39:154–160, https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2007-986020

[9] Douwes F, Douwes O, Migeod F et al. (2006) Hyperthermia in combination with ACNU chemotherapy in the treatment of recurrent glioblastoma. St. Georg Klinik, Germany

[10] Hager ED, Dziambor H, App EM et al. (2003) The treatment of patients with high-grade malignant gliomas with RF-hyperthermia. Proc ASCO 22:118, #47;Proc Am Soc Clin Oncol 22: 2003

[11] Fiorentini G, Sarti D, Milandri C, et.al. (2018) Modulated electrohyperthermia in integrative cancer treatment for relapsed malignant glioblastoma and astrocytoma: Retrospective multicenter controlled study, Integrative Cancer Therapies, DOI: 10.1177/1534735418812691, https://www.ncbi.nlm.nih.gov/pubmed/30580645

[12] Prieto C, Linares I. (2018) Nanoparticles and nanothermia for malignant brain tumors, a suggestion of treatment for further investigations, Reports of Practical Oncology and Radiotherapy, 2018 Sep-Oct;23(5):474-480, https://www.ncbi.nlm.nih.gov/pubmed/?term=Nanoparticles+and+nanothermia+for+malignant+brain+tumors%2C+a+suggestion+of+treatment+for+further+investigations%2C+Reports+of+Practical+Oncology+and+Radiotherapy

[13] Hager ED, Dziambor H, Höhmann D, et al. (1999) Deep hyperthermia with radiofrequencies in patients with liver metastases from colorectal cancer. Anticancer Res 19(4C):3403–3408, http://www.ncbi.nlm.nih.gov/pubmed/10629627

[14] Gadaleta-Caldarola G, Infusino S, Galise I, et al. (2014) Sorafenib and locoregional deep electro-hyperthermia in advanced hepatocellular carcinoma. A phase II study. Oncol Lett, 2014 Oct,8(4):1783-1787, http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4156230/

[15] Szasz A (2014) Current status of oncothermia therapy for lung cancer. Korean J Thorac Cardiovasc Surg 47:77-93, http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4000888

[16] Yeo S-G. (2015) Definitive radiotherapy with concurrent oncothermia for stage IIIB non-small-cell lung cancer: A case report. Experimental and Therapeutic Medicine pp. 1-4, http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4509030/

[17] Ou J, Zhu X, Lu Y, et.al. (2017) The safety and pharmacokinetics of high dose intravenous ascorbic acid synergy with modulated electrohyperthermia in Chinese patients with stage III-IV non-small cell lung cancer, European J Pharmaceutical Sciences, 109:412-418, http://www.sciencedirect.com/science/article/pii/S0928098717304554?via%3Dihub

[18] Lee D-Y, Park S-J, Jung H-C et al. (2015) The Outcome of the Chemotherapy and Oncothermia for Far Advanced Adenocarcinoma of the Lung: Case reports of four patients. Advances in Lung Cancer 4:1-7, http://www.scirp.org/journal/PaperInformation.aspx?PaperID=54620

[19] Lee D-J, Haam S-J, Kim T-H et al. (2013) Oncothermia with chemotherapy in the patients with Small Cell Lung Cancer. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 910363, http://www.hindawi.com/archive/2013/910363/

[20] Dani A, Varkonyi A, Magyar T, Szasz A (2009) Clinical study for advanced non-small-cell lung-cancer treated by oncothermia. Forum Hyperthermie; DGHT, 2009

[21] Kleef R, Kekic S, Ludwig N. (2012) Successful treatment of advanced ovarian cancer with thermochemotherapy and adjuvant immune therapy. Case Rep Oncol 5:212-215, http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3369243/

[22] Lee SY, Lee N-R. (2016) Positive response of a primary leiomyosarcoma of the breast following salvage hyperthermia and pazopanib, Korean J Intern Med, doi: 10.3904/kjim.2015.242, http://www.ncbi.nlm.nih.gov/pubmed/27079325

[23] Schirrmacher V, Stücker W, Lulei M, et.al. (2015) Long-term survival of a breast cancer patient with extensive liver metastases upon immune and virotherapy: a case report; Immunotherapy 7: 855–860, http://www.ncbi.nlm.nih.gov/pubmed/26020523
[24] Lee S-Y, Lee N-R, Cho D-H, et al. (2017) Treatment outcome analysis of chemotherapy combined with modulated electro-hyperthermia compared with chemotherapy alone for recurrent cervical cancer, following irradiation; Oncology Letters, DOI: 10.3892/ol.2017.6117 http://www.spandidos-publications.com/10.3892/ol.2017.6117
[25] C Strauss, J Kotzen, A Baeyens et al. (2013) Oncothermia in HIV positive and negative locally advanced cervical cancer patients in South Africa. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 293968, http://www.hindawi.com/archive/2013/293968/
[26] Pesti L, Dankovics Zs, Lorencz P et al. (2013) Treatment of advanced cervical cancer with complex chemoradio – hyperthermia. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 192435, http://www.hindawi.com/archive/2013/192435/
[27] C Minnaar, A Baeyens, J Kotzen (2016) Update on phase III randomized clinical trial investigating the effects of the addition of electro-hyperthermia to chemoradiotherapy for cervical cancer patients in South Africa. Physica Medica 32(2):151-152; http://www.physicamedica.com/article/S1120-1797(16)30175-2/abstract
[28] Yang Wookyeom, Han GH, Shin H-Y, et.al. (2018) Combined treatment with modulated electro-hyperthermia and an autophagy inhibitor effectively inhibit ovarian and cervical cancer growth, International Journal of Hyperthermia, published online: 14 November 2018, https://doi.org/10.1080/02656736.2018.1528390
[29] Bogovic J, Douwes F, Muravjov G, et al. (2001) Posttreatment histology and microcirculation status of osteogenic sarcoma after a neoadjuvant chemo- and radiotherapy in combination with local electromagnetic hyperthermia, Onkologie 24(1):55-58, http://www.ncbi.nlm.nih.gov/pubmed/11441282
[30] Rubovszky G, Nagy T, Godeny M, Szasz A, et al. (2013) Successful treatment of solitary bone metastasis of non-small cell lung cancer with combination of bevacizumab and hyperthermia. Pathol Oncol Res. 2013 Jan;19(1):119-22, http://www.ncbi.nlm.nih.gov/pubmed/22752712
[31] Schirrmacher V, Bihari A-S, Stücker W, et al. (2014) Long-term remission of prostate cancer with extensive bone metastases upon immuno- and virotherapy: A case report. Oncology Letters 8:2403-2406, http://www.ncbi.nlm.nih.gov/pubmed/25364402
[32] Ballerini M, Baronzio G F, Capito G, Szasz O, Cassutti V (2013) Androtherm application for the Peyronie's Disease. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 962349, http://www.hindawi.com/archive/2013/962349/
[33] Douwes FR (2008) Prostatakarzinom: Neue Aspekte für Diagnostik und Therapie. Facharzt Gynakologie/Urologie, 2:23-29
[34] Douwes FR (2011) Für und Wider des Prostata-Karzinom-Screenings. Prostata Newsletter (PNL) Ausgabe August 2011
[35] Douwes FR (2011) Neue Studie heizt Diskussion über den Wert von PSA-Tests an. Prostata Newsletter (PNL) Ausgabe August 2011
[36] Douwes FR (2008) Sanfte Hilfen für die Prostata. CO'Med, 4:1-2
[37] Douwes FR (2005) Bestrahlung der Prostata erhöht Rektum-Ca-Risiko. Klinik St. Georg
[38] Maar K (2004) Rebell gegen den Krebs. Bioogische Intersivtherapie – Neue Hoffnung für Patienten? Neomedica GmbH, Klosterneuburg
[39] Douwes FR, Lieberman S (2002) Radiofrequency Transurethral Hyperthermia and complete Androgen Blockade. A Nonsurgical Approach to Treating Prostate Cancer. Alternative & Complementary Therapies, 8(3):149-156, http://connection.ebscohost.com/c/articles/83564104/radiofrequency-transurethral-

hyperthermia-complete-androgen-blockade-nonsurgical-approach-treating-prostate-cancer
[40] Douwes FR (2001) Transurethral hyperthermia in early stage prostate cancer. Focus Alternat Complement Ther 6(1):77-78
[41] Douwes FR (2001) Adjuvante Radiotherapie: Welcher Patient mit Prostatakarzinom profitiert? Prostata Newsletter (PNL), Ausgabe August 2011
[42] Douwes F, Sillner L, Köhnlechner M (1999) Hoffnung bei Porstata-Beschwerden. Die neue Therapie ohne Messer. Herbig Verlagsbuchhandlung GmbH, http://www.zvab.com/9783776620863/Hoffnung-Prostata-Beschwerden-neue-Therapie-Messer-3776620862/plp
[43] Szasz A (2003) Malignus és benignus prosztatadaganatok hyperthermiája. Magyar Urológia 15:87-88
[44] Ranieri G, Ferrari C, Di Palo A, et al. (2017) Bevacizumab-Based Chemotherapy Combined with Regional Deep Capacitive Hyperthermia in Metastatic Cancer Patients: A Pilot Study, Int. J. Mol. Sci. 18, 1458, 1-16, https://www.ncbi.nlm.nih.gov/pubmed/28684680
[45] Lee SY, Kim M-G. (2015) The effect of modulated electro-hyperthermia on the pharmacokinetic properties of nefopam in healthy volunteers: A randomised, single-dose, crossover open-label study, Int J Hyp, 28:1-6, http://www.ncbi.nlm.nih.gov/pubmed/26507458
[46] Lee SY, Kim M-G. (2016) Effect of modulated electrohyperthermia on the pharmacokinetics of oral transmucosal fentanyl citrate in healthy volunteers, Clinical Therapeutics, 38(12):2548-2554, https://www.ncbi.nlm.nih.gov/pubmed/27866658
[47] Lee S-Y, Kim J-H, Han Y-H, et al. (2018) The effect of modulated electro-hyperthermia on temperature and blood flow in human cervical carcinoma, Int. J. Hyperthermia, published online: 21 January, 2018, doi: https://doi.org/10.1080/02656736.2018.1423709
[48] Schirrmacher V (2015) Oncolytic Newcastle disease virus as a prospective anti-cancer therapy. A biologic agent with potential to break therapy resistance. Expert Opic Biol Ther 15(12):1757-1771; http://www.ncbi.nlm.nih.gov/pubmed/26436571
[49] Baronzio G, Kiselevsky M, Ballerini M, et al. (2013) Hypoxia Immunity, Metabolism and Hyperthermia. Hindawi Publishing Corporation Conference Papers in medicine, Volume 2013, Article ID 528909; http://www.hindawi.com/cpis/medicine/2013/528909
[50] Lee D, Kim S-S, Seong S, et al. (2016) Stage IV wilms tumor treated by Korean medicine, hyperthermia and thymosin-α_1: A case report. Case Rep Oncol 9:119-125, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4899649/
[51] Schirrmacher V, Lorenzen D, Van Gool SW, et al. (2017) A new strategy of cancer immunotherapy combining hyperthermia/oncolytic virus pretreatment with specific autologous anti-tumor vaccination - a review. Austin Oncol Case Rep 2(1):1-8, http://www.iozk.de/aktuelles/iozk_austin_oncology_case_reports_2017.pdf
[52] Kim W, Kim MS, Kim HJ et al. (2017) Role of HIF-1α in response of tumors to a combination of hyperthermia and radiation in vivo. Int J Hyperthermia 28:1-8, http://www.ncbi.nlm.nih.gov/pubmed/28659004
[53] Mate M, Molnar I, Petrovits G et al. (2017) Oncothermia-Booster (Targeted Radiofrequency) Treatment – in Some Non-Oncological Diseases as Special Physiotherapy. International Journal of Complementary and Alternative Medicine 6(3):00191; http://juniperpublishers.com/jcmah/pdf/JCMAH.MS.ID.555572.pdf
[54] Hegyi G (2014) Synergy between Oncothermia and Traditional Chinese Medicine. EANU Special pp. 1-25, http://www.maot.hu/wp-content/uploads/2014/09/Heft_SPECIAL_eng.pdf
[55] Hegyi G, Jian Li (2013) Low back pain – complex approach of treatment by different CAM modalities (Acupuncture and other type of dry-needling, "Targeted RF non invasive physiotherapy" for low back pain). Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 326595, http://www.hindawi.com/archive/2013/326595/

[56] Mate A, Molnar I, Szoke H, Hegyi G. (2017) Newer application of oncothermia to non-malignant diseases such as Dupuytren's contracture of the hand and chronic lower back pain lasting more than 4 weeks, Acupuncture and Electro-therapeutics Res., Int. J. vol. 42, pp. 121-133

[57] Szigeti Gy, Szasz A. (2019) Fluctuations hypothesize the new explanation of meridians in living systems, Open Journal o fBiophysics, 9:51-69, https://www.scirp.org/journal/PaperInformation.aspx?PaperID=89697

[58] Cremona F, Pignata A, Izzo F et al. (2003) Tolerability of external electro-hyperthermia in the treatment of solid tumors; Tumori 2003 Jul-Aug;89(4 Suppl):239-40, Tumori 2003 Jul-Aug;89(4 Suppl):239-40, http://www.ncbi.nlm.nih.gov/pubmed/12903605

[59] Jeung T-S, Ma S-Y, Choi J et al. (2015) Results of oncothermia combined with operation, chemotherapy and radiation therapy for primary, recurrent and metastatic sarcoma. Case Reports in Clinical Medicine 4:157-168, http://www.scirp.org/journal/PaperInformation.aspx?PaperID=56280

[60] Volovat C, Volovat SR, Scripcaru V et al. (2014) The results of combination of ifosfamid and locoregional hyperthermia (EHY 2000) in patients with advanced abdominal soft-tissue sarcoma after relapse of first line chemotherapy. Romanian Reports in Physics, 66(1):175-181, https://www.researchgate.net/publication/273968670_The_results_of_combination_of_ifosfamid_and_locoregional_hyperthermia_EHY_2000_in_patients_with_advanced_abdominal_soft-tissue_sarcoma_after_relapse_of_first_line_chemotherapy

[61] Volovat C, Volovat SR, Scripcaru V et al. (2014) Second-line chemotherapy with gemcitabine and oxaliplatin in combination with loco-regional hyperthermia (EHY-2000) in patients with refractory metastatic pancreatic cancer - preliminary results of a prospective trial. Romanian Reports in Physics 66(1):166-174, http://www.rrp.infim.ro/2014_66_1/A18.pdf

[62] Dani A, Varkonyi A, Magyar T, Szasz A (2008) Clinical study for advanced pancreas cancer treated by oncothermia. Forum Hyperthermie 1:13–20, http://www.pyatthealth.com/wp-content/uploads/2015/03/Hyperthermia-Pancreatic-Cancer.pdf

[63] Douwes F, Migeod F, Grote C (2006) Behandlung des fortgeschrittenen Pankreaskarzinoms mit regionaler Hyperthermie und einer Zytostase mit Mitomycin- C und 5-Fluorouracil/ Folinsäure. Onkologische Fachklinik St. Georg, Bad Aibling, https://www.researchgate.net/publication/237633519_Behandlung_des_fortgeschrittenen_Pankreaskarzinoms_mit_regionaler_Hyperthermie_und_einer_Zytostase_mit_Mitomycin_C_und_5FluorouracilFolinsaure

[64] Douwes FR (2006) Thermochemotherapy of the advanced pancreas carcinoma. Biologische Medizin 35:126–130,https://www.researchgate.net/publication/287861898_Thermo-chemotherapy_of_the_advanced_pancreas_carcinoma

[65] Douwes FR (2004) Thermo-Chemotherapie des fortgeschrittenen Pankreaskarzinoms. Ergebnisseeiner klinischen Anwendungsstudie. Onkologische Fachklinik St. Georg, Bad Aibling

[66] Hager ED, Süsse B, Popa C et al. (1994) Complex therapy of the not in sano respectable carcinoma of the pancreas – a pilot study. J Cancer Res Clin Oncol 120:R47,P1

[67] Zais O (2013) Lyme Disease and Oncothermia. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 275013, http://www.hindawi.com/archive/2013/275013/

[68] Youngsuk Lee (2013) Oncothermia Application for Various Malignant Diseases. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 245156, http://www.hindawi.com/archive/2013/245156/

[69] Marwan Akasheh (2010) Oncothermia: Emerging Therapy in Oncology. J Med J 44(4):456-465, http://journals.ju.edu.jo/JMJ/article/view/2088

[70] Hager ED. (2004) Lebermetastasen bei kolorektalen Karzinomen, Deutsche Zeitschrift für Onkologie, 36:132-134

[71] Ferrari VD, De Ponti S, Valcamonico F et al. (2007) Deep electro-hyperthermia (EHY) with or

without thermo-active agents in patients with advanced hepatic cell carcinoma: phase II study. J Clin Oncol 25:185, 15168, http://ascopubs.org/doi/abs/10.1200/jco.2007.25.18_suppl.15168

[72] Hager ED, Birkenmeier J. (2006) Malignes Melanom Stadium IV: Anwendung von regionaler Tiefenhyperthermie, Tamoxifen, Interferon-α und komplementären Therapien, Deutsche Zeitschrift für Onkologie, 38(1):32-34, https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2006-932313

[73] Strobl B, Rjosk D, Janni W, et al. (2004) Whole body hyperthermia combined with carboplatin/paclitaxel in patients with ovarian carcinoma – Phase-II-study, J Clin Oncol, 22(14):5128, http://ascopubs.org/doi/abs/10.1200/jco.2004.22.14_suppl.5128

[74] Douwes F, BogoviC J, Douwes O et al. (2004) Whole-body hyperthermia in combination with platinum containing drugs in patients with recurrent ovarian cancer; Int J Clin Oncol. 2004 Apr;9(2):85-91, http://www.ncbi.nlm.nih.gov/pubmed/15108039

[75] Jing-Hong L, Ling X-Y. (2013) Electrochemical Therapy of Tumors. Hindawi Publishing Corporation Conference Papers in medicine, Volume 2013, Article ID 858319; http://www.hindawi.com/archive/2013/858319/

[76] Cha, J, Jeon T-W, Lee C-G et al. (2015) Electro-hyperthermia inhibits glioma tumorigenicity through the induction of E2F1-mediated apoptosis, Int. Journal Hyperthermia, 31(7):784-792, http://www.ncbi.nlm.nih.gov/pubmed/26367194

[77] Meggyeshazi N, Andocs G, Krenacs T (2013) Programmed cell death induced by modulated electro-hyperthermia. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 187835, http://www.hindawi.com/archive/2013/187835/

[78] Andocs G, Balogh L, Meggyeshazi N, Jakab Cs, Krenacs T, Szasz A (2010) A modulált rádiófrekvenciás (RF) hyperthermia (oncothermia) apoptózis-indukáló hatása immunhiányos egér xenograft tumorokban [The apoptosis-inducing effect of modulated radio-frequency (RF) hyperthermia (oncothermia) on immune deficient mouse xenograft tumors]. Orvostovábbképző Szemle 2010. november különszám pp. 24-25.

[79] Meggyeshazi N, Krenacs T, Szasz A (2010) Klinikai vizsgálatok és evidenciák a modulált vezetéses rádiófrekvenciás hyperthermia (oncothermia) alkalmazásában [Clinical trials and evidences of the application of modulated radio-frequency hyperthermia]. Orvostovábbképző Szemle 2010. november különszám pp. 25-26.

[80] Meggyeshazi N, Andocs G, Spisak S et al. (2013) Modulated electrohyperthermia causes caspase independent programmed cell death in HT29 colon cancer xenografts. Virchows Arch 463(2):329,

[81] Meggyeshazi N, Andocs G, Krenacs T (2012) Modulated electro-hyperthermia induced programmed cell death in HT29 colorectal carcinoma xenograft. Virchows Arch 461 (Suppl 1): S131–S132

[82] Meggyeshazi N, Andocs G, Balogh L, Krenacs T (2011) DNA fragmentation-driven tumor cell degradation induced by modulated electro-hyperthermia. Virchows Arch 459 (Suppl 1): S204-205

[83] Meggyeshazi N, Andocs G, Balogh L et al. (2014) DNA fragmentation and caspase-independent programmed cell death by modulated electrohyperthermia. Strahlenther Onkol 190:815-822, http://www.ncbi.nlm.nih.gov/pubmed/24562547

[84] Andocs G, Meggyeshazi N, Balogh L et al. (2014) Upregulation of heat shock proteins and the promotion of damage-associated molecular pattern signals in a colorectal cancer model by modulated electrohyperthermia. Cell Stress and Chaperones 20(1):37-46, http://www.ncbi.nlm.nih.gov/pubmed/24973890

[85] Qin W, Akutsu Y, Andocs G et al. (2014) Modulated electro-hyperthermia enhances dendritic cell therapy through an abscopal effect in mice. Oncol Rep 32(6):2373-2379,

http://www.ncbi.nlm.nih.gov/pubmed/25242303
[86] Tsang Y-W, Huang C-C, Yang K-L, et al. (2015) Improving immunological tumor microenvironment using electro-hyperthermia followed by dendritic cell immunotherapy, BMC Cancer 15:708, http://www.ncbi.nlm.nih.gov/pubmed/26472466
[87] Vancsik T, Kovago Cs, Kiss E et al. (2018) Modulated electro-hyperthermia induced loco-regional and systemic tumor destruction in colorectal cancer allografts, J Cancer, 9(1): 41-53, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5743710/pdf/jcav09p0041.pdf
[88] Andocs G, Renner H, Balogh L, Fonyad L, Jakab C, Szasz A (2009) Strong synergy of heat and modulated electro- magnetic field in tumor cell killing, Study of HT29 xenograft tumors in a nude mice model. Strahlentherapie und Onkologie 185:120–126, http://www.ncbi.nlm.nih.gov/pubmed/19240999
[89] Andocs G, Rehman MU, Zhao Q-L, Tabuchi Y, Kanamori M, Kondo T. (2016) Comparison of biological effects of modulated electro-hyperthermia and conventional heat treatment in human lymphoma U937 cell, Cell Death Discovery (Nature Publishing Group), 2, 16039, http://www.nature.com/articles/cddiscovery201639
[90] Jeon T-W, Yang H, Lee CG, O ST, et.al. (2016) Electro-hyperthermia up-regulates tumour suppressor Septin 4 to induce apoptotic cell death in hepatocellular carcinoma, Int. J. Hyp., 7:1-9, http://dx.doi.org/10.1080/02656736.2016.1186290
[91] Yang K-L, Huang C-C, Chi M-S, Chiang H-C, Wang Y-S, Andocs G, et.al. (2016) In vitro comparison of conventional hyperthermia and modulated electro-hyperthermia, Oncotarget, oi: 10.18632/oncotarget.11444, http://www.ncbi.nlm.nih.gov/pubmed/27556507
[92] Prasad B, Kim S, Cho W, et.al. (2019) Quantitative estimation of the equivalent radiation dose escalation using radiofrequency hyperthermia in mouse xenograft models of human lung cancer, Scientific Reports, Nature, 9: 3942, https://www.nature.com/articles/s41598-019-40595-6
[93] Tsang Y-W, Chi K-H, Huang C-C, et.al. (2019) Modulated electro-hyperthermia-enhanced liposomal drug uptake by cancer cells, International Journal of Nanomedicine, 14:1269-1579, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5743710/pdf/jcav09p0041.pdf
[94] Balogh L, Polyak A, Postenyi Z et al. (2016) Temperature increase induced by modulated electrohyperthermia (oncothermia®) in the anesthetized pig liver, Journal of Cancer Research and Therapeutics, 12(3):1153-1159, http://www.cancerjournal.net/article.asp?issn=0973-1482;year=2016;volume=12;issue=3;spage=1153;epage=1159;aulast=Balogh
[95] Andocs G, Osaki T, Tsuka T, Imagawa T et al. (2013) Oncothermia research at preclinical level. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 272467, http://www.hindawi.com/archive/2013/272467/
[96] Kovago Cs, Meggyeshazi N, Andocs G, Szasz A (2013) Report of the pilot-study done for the proposed investigation on the possible synergic effect between high dose ascorbic acid application and oncothermia treatment. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 386913, http://www.hindawi.com/archive/2013/386913/
[97] Andocs G, Okamoto Y, Kawamoto K et al. (2013) Oncothermia basic research at in vivo level. The first results in Japan. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 197328, http://www.hindawi.com/archive/2013/197328/
[98] Balint K, Balogh L, Postenyi Z, Andocs G, Szasz A, et.al. (2011) Diagnostic and therapeutic aspects of canine malignant melanoma. Part 2. Own experiences, Magyar Állatorvosok Lapja, 2011 július:424-431
[99] Chung H-J, Lee H-K, et.al. (2018) Transferrin as a thermosensitizer in radiofrequency hyperthermia for cancer treatment, Scientific Reports, published online: 10 September, 2018, 8:13505, https://www.nature.com/articles/s41598-018-31232-9.pdf
[100] Kim J-K, Prasad B, Kim S. (2017) Temperature mapping and thermal dose calculation in combined radiation therapy and 13.56 MHz radiofrequency hyperthermia for tumor treatment. Proc. SPIE

10047, Optical Methods for Tumor Treatment and Detection: Mechanisms and Techniques in Photodynamic Therapy XXVI, 1004718; http://spie.org/Publications/Proceedings/Paper/10.1117/12.2253163?origin_id=x4318

[101] Herzog A (2008) Messung der Temperaturverteilung am Modell der nicht perfundierten Schweineleber bei lokaler Hyperthermie mit Kurzwellen mit 13,56 MHz, Forum Hyperthermie, 1/10, 30-34, www.forum-medizin.de/download/977/

[102] Nagy G, Meggyeshazi N, Szasz O (2013) Deep temperature measurements in oncothermia processes. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 685264, http://www.hindawi.com/archive/2013/685264/

[103] Fanning PJ, Emkey G, Smith RJ et al. (2003) Mechanical regulation of mitogen-activated protein kinase signaling in articular cartilage The Journal of Biological Schemistry, 278(51):50940-50948, http://www.jbc.org/content/278/51/50940.full

[104] Meggyeshazi N, Andocs G, Spisak S et al. (2013) Early changes in mRNA and protein expression related to cancer treatment by modulated electro-hyperthermia. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 249563, http://www.hindawi.com/archive/2013/249563/

[105] Szasz O, Andocs G, Meggyeshazi N (2013) Modulation effect in oncothermia. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 395678, http://www.hindawi.com/archive/2013/398678/

[106] Vincze Gy, Szasz A. (2018) Similarities of modulation by temperature and by electric field, OJBIPHY, 8, 95-103, https://www.scirp.org/journal/PaperInformation.aspx?PaperID=84883

[107] Andocs G, Rehman MU, Zhao QL, Papp E, Kondo T, Szasz A. (2015) Nanoheating without Artificial Nanoparticles Part II. Experimental support of the nanoheating concept of the modulated electro-hyperthermia method, using U937 cell suspension model, Biology and Medicine 7(4):1-9, https://www.omicsonline.org/open-access/nanoheating-without-artificial-nanoparticles-part-ii-experimental-support-of-the-nanoheating-concept-of-the-modulated-electrohyperthermiamethod-0974-8369-1000247.php?aid=60362

[108] Jeung TS, Ma SY, Yu J et al. (2013) Cases that respond to oncothermia monotherapy, Conf. Papers in Medicine, Vol. 2013, Article ID 392480, Hindawi, https://www.hindawi.com/journals/cpis/2013/392480/

[109] Szasz N, Hung H, Sen S et al. (2003) Electric field regulation of chondrocyte biosynthesis in agarose gel constructs, 49th Annual Meeting of the Orthopaedi Research Society, Poster Nr. 0672, https://www.ors.org/Transactions/49/0672.pdf

[110] Zaffaroni N, Fiorentini G, De Giorgi U, (2001) Hyperthermia and hypoxia: new developments in anticancer chemotherapy; Eur J Surg Oncol 27:340-342, http://www.ncbi.nlm.nih.gov/pubmed/11417976

[111] Szasz O. (2019) Bioelectromagnetic paradigm of cancer treatment – Modulated electro-hyperthermia (mEHT), OJBIPHY, 9, 98-109, https://file.scirp.org/pdf/OJBIPHY_2019022616103729.pdf

[112] Szasz A, Vincze Gy, Andocs G, Szasz O (2009) Do Field-Free Electromagnetic Potentials Play a Role in Biology?. Electromagn Biol Med 28(2):135–147, http://www.ncbi.nlm.nih.gov/pubmed/19811396

[113] Szasz A, Vincze Gy, Andocs G, Szasz O (2009) Effect of Curl-Free Potentials on Water. I Electromagn Biol Med 28(2):166–181, http://www.ncbi.nlm.nih.gov/pubmed/19811398

[114] Hegyi G, Vincze Gy, Szasz A (2007) Axial vector interaction with bio-systems. Electr Biol Med 26(2):107–118, http://www.ncbi.nlm.nih.gov/pubmed/17613038

[115] Szasz A. (2014) Oncothermia: Complex therapy by EM and fractal physiology, XXXIth URSI General Assembly and Scientific Symposium (URSI GASS), IEEE Xplore 20 October 2014, DOI: 10.1109/URSIGASS.2014.6930100, https://ieeexplore.ieee.org/document/6930100

[116] Andocs G, Szasz O, Szasz A (2009) Oncothermia treatment of cancer: from the laboratory to clinic. Electromagn Biol Med 28(2):148–165, http://www.ncbi.nlm.nih.gov/pubmed/19811397
[117] Hegyi G, Szigeti GP, Szasz A (2013) Hyperthermia versus oncothermia: Cellular effects in complementary cancer therapy. Evid Based Complement Alternat Med 2013:672873, http://www.hindawi.com/journals/ecam/2013/672873/
[118] Hegyi G, Szasz O, Szasz A (2013) Oncothermia: A new paradigm and promising method in cancer therapies. Acupuncture and Electro-Therapeutics Res. Int. J. 38:161-197, http://www.ncbi.nlm.nih.gov/pubmed/24494322
[119] Baronzio G, Parmar G, Ballerini M, Szasz A et al. (2014) A brief overview of hyperthermia in cancer treatment. Journal of Integrative Oncology, 3:1
[120] Szasz O, Szasz A (2014) Oncothermia - Nano-heating paradigm. J Cancer Sci Ther 6:4, http://www.omicsonline.org/open-access/oncothermia-nanoheating-paradigm-1948-5956.1000259.pdf
[121] Vincze Gy, Szasz A, Szasz N (2005) On the thermal noise limit of cellular membranes. Bioelectromagnetics 26(1):28–35, http://www.ncbi.nlm.nih.gov/pubmed/15605404
[122] Szendro P, Vincze G, Szasz A (2001) Pink noise behaviour of the bio-systems. Eur Biophys J 30(3):227–231, http://www.ncbi.nlm.nih.gov/pubmed/11508842
[123] Szendro P, Vincze G, Szasz A (2001) Bio-response to White Noise Excitation. Electro- and Magnetobiology 20(2):215-229, http://www.tandfonline.com/doi/abs/10.1081/JBC-100104145?journalCode=iebm19
[124] Szasz A, Vincze Gy, Szigeti Gy, Szasz O. (2017) Internal charge redistribution and currents in cancerous lesions, J Adv in Biology, 10(2):2061-2079, http://cirworld.com/index.php/jab/article/view/6328/6283
[125] Szasz A (1991) An electrically driven instability: the living-state (Does the room temperature superconductivity exist?). Physiol Chem Phys Med NMR 23:43–50, http://real.mtak.hu/6379/1/1184363.pdf
[126] Vincze Gy, Szasz A, Liboff AR (2008) New Theoretical Treatment of Ion Resonance Biological Phenomena. Bioelectromagnetics 29(5):380-386, http://www.ncbi.nlm.nih.gov/pubmed/18288680
[127] Szasz A, Vincze Gy, Szasz O, Szasz N (2003) An energy analysis of extracellular hyperthermia. Magneto- and electro-biology 22(2):103–115, http://www.tandfonline.com/doi/abs/10.1081/JBC-120024620
[128] Szasz A, D van Noort, Scheller A et al. (1994) Water states in living systems. I. Structural aspects, Physiol. Chem. Phys. 26(4), 299–322, http://www.ncbi.nlm.nih.gov/pubmed/7700980
[129] Szasz A, Vincze Gy (2006) Dose concept of oncological hyperthermia: Heat-equation considering the cell destruction. J Cancer Res Ther 2(4):171–181, http://www.ncbi.nlm.nih.gov/pubmed/17998700
[130] Szasz A (2007) Hyperthermia, a Modality in the Wings. J Cancer Res Ther 3(1):56–66, http://www.ncbi.nlm.nih.gov/pubmed/17998724
[131] Szasz O, Szasz A (2016) Heating, efficacy and dose of local hyperthermia. Open Journal of Biophysics, 6:10-18, http://www.scirp.org/journal/PaperInformation.aspx?paperID=62874
[132] Vincze Gy, Szasz O, Szasz A. (2015) Generalization of the thermal dose of hyperthermia in oncology, Open Journal of Biophysics 5(4):97-114, http://www.scirp.org/journal/PaperInformation.aspx?PaperID=60654
[133] Vincze Gy, Szasz A (2015) Critical analysis of the thermodynamics of reaction kinetics. Journal of Advances in Physics 10(1):2538-2559, https://cirworld.com/index.php/jap/article/view/1340
[134] Szasz O, Szigeti GyP, Szasz A (2016) Connections between the specific absorption rate and the local temperature. Open Journal of Biophysics 6:53-74; http://file.scirp.org/pdf/OJBIPHY_20160630142605 48.pdf

[135] Szasz O, Szigeti GyP, Vancsik T, Szasz A. (2018) Hyperthermia dosing and depth of effect, Open Journal of Biophysics, 2018, 8, 31-48, http://www.scirp.org/journal/PaperInformation.aspx?PaperID=81896
[136] Lee S-Y, Szigeti GP, Szasz AM (2018) Oncological hyperthermia: The correct dosing in clinical applications, Int. J. Oncology, published online on 23 November 2018, https://doi.org/10.3892/ijo.2018.4645
[137] Marjan M, Kikineshi A, Szendro P, Szasz A (2001) Modelling of the dissipative structure of water. Acta Technologica Agriculturae 4:(3)77-80
[138] Maryan M, Kurik M, Kikineshy A, Watson LM, Szasz A (1999) A synergetic representation for the double-structure model of liquid water. Ukrainskii Fizicheskii Zhurnal 44:1227-1232, http://real.mtak.hu/6591/
[139] Maryan M, Kurik M, Kikineshy A, Watson LM, Szasz A (1999) Two-structure model of liquid water. Modelling and Simulation in Materials Science and Engineering 7:321-331, http://real.mtak.hu/6575/
[140] Maryan MI, Kikineshi AA, Szasz A (2001) Self-organizing processes and dissipative structure formation in the non-crystalline materials. Phys Chem Stat Sol 2(4):585–593, http://www.pu.if.ua/inst/phys_che/start/pcss/vol2/number2/0204-07.pdf
[141] Zsoldos I, Szendro P, Watson L, Szasz A (2001) Topological Correlation in amorphous structures. Comp Mater Sci 20(1):28–36, http://www.sciencedirect.com/science/article/pii/S0927025600001208
[142] Zsoldos I, Szasz A (1999) Appearance of collectivity in two-dimensional cellular structures. Comp Material Science 15(4):441–448, http://www.sciencedirect.com/science/article/pii/S0927025699000312
[143] Zsoldos I, Szasz A (1999) From Random Cellular Structure to the Honeycomb Pattern. J Hungarian Agricultural Research 3:9-11
[144] Zsoldos I, Szasz A (1999) From two dimensional cellular structures to the honeycomb pattern. Hungarian Agricultural Research 3:9-14
[145] Zsoldos I, Szasz A (1999) Háromdimenziós sejtrendszerek topológiai összefüggései. Gépgyártástechnológia 1:27-35, http://real.mtak.hu/6576/
[146] Zsoldos I, Janik J, Szasz A (1999) Topological aspects of ordering: Proceeding of the 7th Seminar of IFHT Heat Treatment Surface Engineering of Light Alloys. Engineering of Light Alloys pp. 343-343.
[147] Szigeti GP, Szasz O, Hegyi G (2017) Connections between Warburg's and Szentgyorgyi's Approach about the Causes of Cancer. Journal of Neoplasm 1(2:8):1-13; http://neoplasm.imedpub.com/connections-between-warburgs-and-szentgyorgyis-approach-about-thecauses-of-cancer.pdf
[148] Vincze Gy, Sziget GyP, Szasz A (2016) Reorganization of the cytoskeleton. Journal of Advances in Biology 9(2):1872-1882; https://cirworld.com/index.php/jab/article/view/4059
[149] Saupe H, Szigeti GyP, Andocs G (2016) Why modulated electrohyperthermia (mEHT) destroys the rouleaux formation of erythrocytes? Journal of Advances in Biology 9(3):1945-1955; http://paper.researchbib.com/view/paper/111077
[150] Andocs G, Meggyeshazi N, Okamoto Y, Balogh L, Szasz O (2013) Bystander Effect of Oncothermia. Hindawi Publishing Corporation Conference Papers in medicine, Volume 2013, Article ID 953482; http://www.hindawi.com/archive/2013/953482/
[151] Joo E, Szasz A, Szendro P (2005) A mobiltelefonokból származó elektromágneses expozíció alakulása 900/1800/2100 MHz frekvencián. Munkavédelem és Biztonságtechnika 17:(1)44-50
[152] Joo E, Szendro P, Vincze Gy, Szasz A (2004) Assessment of electromagnetically treated wheat kernel at 120Hz using the FDTD method. Acta Technologica Agriculturae 7:101-105
[153] Joo E, Szasz A, Szendro P (2006) Metal-framed spectacles and implants and specific absorption

rate among adults and children using mobile phones at 900/1800/2100 MHz. Electromagn Biol Med 25(2):103–112, http://www.ncbi.nlm.nih.gov/pubmed/16771299
[154] Vincze Gy, Szigeti GyP, Szasz O (2016) Negative impedance interval of blood flow in capillary bed. Journal of Advances in Physics, 11(6):3482-3487, https://cirworld.com/index.php/jap/article/view/365
[155] Vincze Gy, Szigeti GyP, Szasz O (2016) Non-Newtonian analysis of blood-flow. Journal of Advances in Physics, 11(6):3470-3481, https://cirworld.com/index.php/jap/article/view/6834
[156] Szasz A, Szasz O, Szasz N (2001) Hyperthermic radiology. Why to combine? Strahlentherapie und Onkologie 177:110-110, http://real.mtak.hu/6605/
[157] Szasz A, Szasz O, Vincze Gy et al. (2009) Non-Mechanical Energy Transfer of Electrically Neutral Electrolytes. Mechanical Enginnering Letters 3:180-187 https://www.researchgate.net/publication/275828223_Non-Mechanical_Energy_Transfer_of_Electrically_Neutral_Electrolytes
[158] Andocs G (2008) Front page illustration of Forum Medizine. Forum Hyperthermia, 1/10, Forum Medizin
[159] Vincze Gy, Szasz A (2016) Onsagerian quantum mechanics. Journal of Advances in Physics, 11(6):3353-3373 http://www.oncothermia-journal.com/journal/2016/Onsagerian_Quantum_Mechanics.pdf
[160] Vincze Gy, Szasz A. (2015) Nonequilibrium thermodynamic and quantum model of a damped oscillator. In: Mofid Gorji-Bandpy (ed) Recent advances in thermo and fluid dynamics. Chapter 3, In Tech, http://www.intechopen.com/books/recent-advances-in-thermo-and-fluid-dynamics/nonequilibrium-thermodynamic-and-quantum-model-of-a-damped-oscillator
[161] Vincze Gy, Szasz A (2014) Rosen-Chambers variation theory of linearly-damped classic and quantum oscillator. Journal of Advances in Physics 4(1):405-426, http://cirworld.com/index.php/jap/article/view/1200/pdf_34
[162] Szasz A (2013) Challenges and Solutions in Oncological Hyperthermia. Thermal Med 29(1):1-23, https://www.jstage.jst.go.jp/article/thermalmed/29/1/29_1/_article
[163] Szigeti GyP, Szasz O, Hegyi G. (2016) Personalised dosing of hyperthermia, Journal of Cancer Diagnosis, 2016, 1:107, https://www.omicsonline.org/open-access/personalised-dosing-of-hyperthermia-.pdf
[164] Douwes FR (2006) Hyperthermie in der Tumortherapie. Natum, Mitteilungen 6, 2006
[165] Douwes FR (2000) Too hot for cancer. Alternative Medicine 37:1-2
[166] Hager ED, Birkenmeier J, Popa C. (2006) Hyperthermia in oncology: A promising new method?, Translation of publication of Deutsche Zeitschrift für Onkologie, 38:100-107, http://biomedhospital.de/sites/default/files/artikel-eng-hyperthermie.pdf
[167] Fiorentini G, Szasz A (2006) Hyperthermia today: electric energy, a new opportunity in cancer treatment. J Cancer Res Ther 2(2):41–46, http://www.ncbi.nlm.nih.gov/pubmed/17998673
[168] Douwes FR (2006) Hyperthermie in der Tumortherapie. Natum, Mitteilungen 6, 2006
[169] Hager ED (1998) Stellenwert der Hyperthermie in der Onkotherapie. Forschung und Praxis, Gesundes Leben 1/98,
[170] Hager ED (1997) Formen der Hyperthermie und klinische Ergebnisse. Z. Onkol. / J. of Oncol. 29(3):78-83
[171] Szasz A (2013) "Quo vadis" oncologic hyperthermia? Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 201671, http://www.hindawi.com/archive/2013/201671/
[172] Roussakow S (2013) Critical Analysis Of Electromagnetic Hyperthermia Randomized Trials: Dubious Effect And Multiple Biases. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 412186, http://www.hindawi.com/archive/2013/412186/
[173] Szasz O (2013) Essentials of oncothermia. Hindawi Publishing Corporation Conference Papers in

Medicine, Volume 2013, Article ID 159570, http://www.hindawi.com/archive/2013/159570/
[174] Szigeti GyP, Hegyi G, Szasz O (2013) Hyperthermia versus oncothermia: Cellular effects in cancer therapy. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 274687, http://www.hindawi.com/journals/ecam/2013/672873/
[175] Szasz O (2013) Renewing Oncological Hyperthermia-Oncothermia. Open Journal of Biophysics, 3:245-252, http://www.scirp.org/journal/PaperInformation.aspx?PaperID=38154
[176] Roussakow S (2013) The History Of Hyperthermia Rise And Decline. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 428027, http://www.hindawi.com/archive/2013/428027/
[177] Szasz A (2008) Oncothermie. OM & Ernährung Fachinformation, Nr.123, F22-F23
[178] Szasz A (2008) Traditionen und Reformen in der onkologischen Hyperthermie. Forum Hyperthermie 3:20-21, https://www.researchgate.net/publication/275828111_Traditionen_und_Reformen_in_der_onkologischen_Hyperhtermie
[179] Szasz A (2007) What is against the acceptance of hyperthermia treatment? Forum Hyperthermie 144:3-7
[180] Szasz A (2006) What is against the acceptance of hyperthermia? Die Naturheilkunde Forum-Medizine 83:3–7
[181] Szasz A, Szasz N, Szasz O (2004) Hyperthermie in der Onkologie: eine aktuell beforschte Behandlungsmethode. Integrative onkologie 1: 19-27
[182] Szasz A, Szasz O, Szasz N (2004) New Results, New Hopes. Indian Association for Hyperthermic Oncology and Medicine 2. pp. 1-5.
[183] Szasz A (2003) Elektromagnetische Hyperthermieverfahren: die kapazitive Kopplung. Forum Komplementare Onkologie Hyperthermie, 4:III–IX, http://studylibde.com/doc/3026289/elektromagnetische-hyperthermieverfahren--die-kapazitive-...
[184] Szasz A, Szasz N, Szasz O (2003) Hyperthermia for Oncology: An effective new treatment modality. Integrative onkologie 1: 1-13
[185] Szasz A, Szasz N, Szasz O (2003) Hyperthermie in der Onkologie mit einem historischen Überblick. Deutche zeitschrift für onkologie 35: 140-154, https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2003-43178
[186] Szasz A, Szasz O, Szasz N (2002) Onkotermia fizika a rák ellen. Fizikai szemle 52(2):45-52
[187] Szasz A, Szasz O, Szasz N (2001) Electro-hyperthermia: a new paradigm in cancer therapy. Deutsche Zeitschrift fur Onkologie 33:91–99, http://real.mtak.hu/6593/
[188] Szasz A, Szasz O, Szasz N (2001) Hipertermia az onkológiában: onkotermia. Medius Anonymus 11(9):32-33, http://real.mtak.hu/6594/
[189] Szasz A (1999) Komparative, retrospektive klinische Studie in Bezug auf mit Onkothermie behandelten. Bauchspeicheldrüsenkrebs. pp. 1-7
[190] Szendro P, Szasz A, Szoke Sz (1998) Az ezerarcú víz. Öntözés Gazdálkodás 36:3-10
[191] Szendro P, Szasz A, Szoke Sz (1998) The myriad-minded water. Hungarian Agricultural Engineering 11:17-20
[192] Salvin S (2016) The cancer revolution, Win-win Health Intelligence Limited, http://thecancerrevolution.co.uk/wp-content/uploads/2016/03/Prof-Slavin-CTCI-Appendix-1.pdf
[193] Szasz O (2013) Burden of oncothermia – Why is it special? Hindawi Publishing Corporation Conference Papers in medicine, Volume 2013, Article ID 938689; http://www.hindawi.com/archive/2013/938689/
[194] Szasz O, Vincze G, Szigeti GP, Benyo Z, Szasz A. (2018) An allometric approach of tumor-angiogenesis, Medical Hypothesis, 116:74-78, https://www.sciencedirect.com/science/article/pii/S030698771830015X

[195] Szigeti GP, Lee DY, Hegyi G. (2017) What is on the horizon for hyperthermic cancer therapy? J Traditional Medicine and Clinical Naturopathy, 6:2, 1000217, https://www.omicsonline.org/open-access/what-is-on-the-horizon-for-hyperthermic-cancer-therapy.php?aid=88372
[196] Szasz O, Andocs G, Meggyeshazi N (2013) Oncothermia as personalized treatment option. Hindawi Publishing Corporation Conference Papers in Medicine, Volume 2013, Article ID 2941364, http://www.hindawi.com/archive/2013/941364/
[197] Vincze Gy, Szasz A (2016) Notes on psychophysics. Journal of Advances in Biology 9(1):1756-1760;
[198] Szasz O, Szasz A (2016) Considering skin physiology in capacitive-coupled hyperthermia. Journal of Advances in Physics 11(9):3966-3972; https://cirworld.com/index.php/jap/article/view/206
[199] Szasz A (2013) Electromagnetic effects in nanoscale range. Cellular Response to Physical Stress and Therapeutic Applications (eds. Tadamichi Shimizu, Takashi Kondo), chapter 4. Nova Science Publishers, Inc
[200] Pang CLK (2015) Hyperthermia in oncology, CRC Press, https://www.crcpress.com/Hyperthermia-in-Oncology/Pang/p/book/9781498714464
[201] Szasz A, Morita T (2012) Heat Therapy in oncology, New paradigm in Hyperthermia. Nippon Hvoronsha, Tokyo, Japan
[202] Szasz A, Iluri N, Szasz O (2013) Local hyperthermia in Oncology – To Choose or not to Choose? A chapter in book: Hyperthermia, Ed: Huilgol N, ISBN 980-953-307-019-8, InTech, Ch.1. pp.1-82; http://www.intechopen.com/books/hyperthermia/local-hyperthermia-in-oncology-to-choose-or-not-to-choose-
[203] Szasz A, Szasz N, Szasz O (2010) Oncothermia – Principles and practices. Springer Science, Heidelberg, http://www.springer.com/gp/book/9789048194971
[204] Szasz A, Szasz O, Szasz N (2006) Physical background and technical realization of hyperthermia. In: Baronzio GF, Hager ED (eds) Locoregional Radiofrequency-Perfusional- and Wholebody-Hyperthermia in Cancer Treatment: New clinical aspects, Ch. 3., Springer, New York, NY, pp 27–59
[205] Szasz A (2015) Bioelectromagnetic Paradigm of Cancer Treatment Oncothermia. In: Paul J. Rosch (ed) Bioelectromagnetic and subtle energy medicine, pp. 323-336, CRC Press, Taylor & Francis Group
[206] Lee D, Szasz A(2016) Heat therapy in oncology, New paradigm in electro-hyperthermia, Kim Jei Min Publishing, ISBN: 979-11-958291-0-1 13510
[207] Chi K-H. (2019) Rescuing your own cancer: changing the microenvironment of the tumor to overcome cancer with self-healing, Times Publishing
[208] Vincze Gy, Szasz A (2015) Effect of cellular membrane resistivity inhomogeneity on the thermal noise-limit, Journal of Advances in Physics, Vol. 11, No. 4, 3170-3183, http://paper.researchbib.com/view/paper/76617
[209] Vincze Gy, Szendro P, Szasz A et al. (2003) Heat penetration into the cell wall. Acta Technologica Agriculturae 6:(3)68-72
[210] Szendro P, Vincze Gy, Szasz A (1999) Response of bio-systems on white noise excitation. Hungarian Agricultural Engineering 12:31-32
[211] Szendro P, Vincze Gy, Szasz A (1998) Origin of pink-noise in bio-systems. Hungarian Agricultural Engineering 11: 42-43
[212] Szasz O, Szigeti GyP, Szasz A, Benyo Z. (2018) Role of electrical forces in angiogenesis, OJBIPHY, 8, 49-67
[213] Vincze Gy, Szasz A. (2015) Reorganization of actin filaments and microtubules by outside electric field, Journal of Advances in Biology 8(1):1514-1518, http://www.oncothermia-journal.com/journal/2015/Reorganization_of_actin_filaments_and_microtubules.pdf
[214] Szendro P, Szasz A (2005) Bioelectromagnetic interactions in agriculture: Controversial positions. Bulletin of the Szent István University - Gödöllő 2:173-206

[215] Szasz N, Szasz O (2005) Device and procedure for measuring and examining the signal of systems releasing measurable signal during operation or in response to external excitation. Forum Komplementaire Onkologie 4:3-9
[216] Szasz N (2003) Electric field regulation of chondrocyte proliferation, biosynthesis and cellular signaling. PhD Theses, MIT, Cambridge, https://www.researchgate.net/publication/34752305_Electric_field_regulation_of_chondrocyte_proliferation_biosynthesis_and_cellular_signaling
[217] Szendro P, Koltay J, Vincze Gy, Szasz A et al. (1999) Industrial device for stimulating seeds. Hungarian Agricultural Engineering 12:51-52
[218] Szendro P, Koltay J, Szasz A et al. (1999) Is the structure of the water convertible in physical way? Hungarian Agricultural Engineering 12:43-45
[219] Szendro P, Koltay J, Vincze Gy, Szasz A et al. (1999) Üzemi berendezés vetőmagvak stimulációjára. Mezőgazdasági Technika 40:(9)10-12
[220] Szasz O, Szigeti GyP, Szasz AM. (2017) Electrokinetics of temperature for development and treatment of effusions, Advances in Bioscience and Biotechnology, 8:434-449, https://www.scirp.org/journal/PaperInformation.aspx?PaperID=80707
[221] Dank M, Meggyeshazi N, Szigeti Gy, Andocs G. (2016) Immune effects by selective heating of membrane rafts of cancer-cells, ASCO Annual Meeting, abstr: e14571, https://meetinglibrary.asco.org/record/124231/abstract
[222] Szasz O, Andocs G, Kondo T, et.al. (2015) Heating of membrane raft of cancer-cells, ASCO Annual Meeting, J Clin Oncol 33, (suppl, abstr e22176), http://meetinglibrary.asco.org/content/151213-156
[223] Vincze Gy, Szigeti Gy, Andocs G, Szasz A. (2015) Nanoheating without Artificial Nanoparticles, Biology and Medicine 7(4):249, http://www.omicsonline.com/open-access/nanoheating-without-artificial-nanoparticles-0974-8369-1000249.php?aid=61783
[224] Szasz A (2013) Electromagnetic effects in nanoscale range. Cellular Response to Physical Stress and Therapeutic Applications (eds. Tadamichi Shimizu, Takashi Kondo), chapter 4. Nova Science Publishers, Inc
[225] Szasz O, Szasz A.M. Minnaar C, Szasz A (2017) Heating preciosity - trends in modern oncological hyperthermia. Open Journal of Biophysics 7:116-144, http://www.scirp.org/journal/PaperInformation.aspx?PaperID=77458
[226] Papp E, Vancsik T, Kiss E, Szasz O. (2017) Energy absorption by the membrane rafts in the modulated electro-hyperthermia (mEHT), Open Journal of Biophysics, 7, 216-229, https://file.scirp.org/pdf/OJBIPHY_2017102715065328.pdf
[227] Vincze Gy, Szigeti GyP, Szasz A. (2018) On the Feynman ratchet and the Brownian motor, Open Journal of Biophysics, 2018, 2, 22-30, https://file.scirp.org/pdf/OJBIPHY_2018010914452588.pdf
[228] Vincze Gy, Szasz A (2011) On the extremum properties of thermodynamic steady state in non-linear systems. In Book: Thermodynamics - Interaction Studies - Solids, Liquids and Gases, InTech, Vienna, Austria, http://www.intechopen.com/books/thermodynamics-physical-chemistry-of-aqueous-systems/on-the-extremum-properties-of-thermodynamic-steady-state-in-non-linear-systems
[229] Hegyi G, Vincze Gy, Szasz A (2012) On the Dynamic Equilibrium in Homeostasis. Open Journal of Biophysics 2:64-71, http://file.scirp.org/pdf/OJBIPHY20120300001_81525786.pdf
[230] Szasz A, Szendro P, Vincze Gy et al. (2007) Study of the oxygen mass transfer in a gas-dispersing apparatus. Hungarian Agricultural Engineering &: 23-25
[231] Szasz O, Szigeti GyP, Szasz A. (2017) On the self-similarity in biologyical processes, OJBIPHY, 7(4):183-196, http://file.scirp.org/pdf/OJBIPHY_2017090715550515.pdf
[232] Vincze Gy, Zsoldos I, Szasz A (2004) On the Aboav-Weaire law. J Geomet Phys 51(1):1–12, http://www.sciencedirect.com/science/article/pii/S0393044003001335
[233] Szasz A (1990) A short-range electronic instability in high Tc superconductors. In: Zipper E, Manka

R, Maska M (eds) Strongly Correlated Electron systems & High-Tc superconductivity, World Scientific, Singapore, pp. 168-245, http://real.mtak.hu/6365/
[234] Maryan M, Szasz A, Szendro P et al. (2005) Synergetic model of the formation of non-crystalline structures. Journal of Non-Crystalline Solids 351(2):189–193; http://www.sciencedirect.com/science/article/pii/S002230930400897X
[235] Zsoldos I, Reti T, Szasz A (2004) On the topology of 2D polygonal and generalized cell systems. Computational Materials Science 29:119-130; http://www.sciencedirect.com/science/article/pii/S0927025603001800
[236] Szasz A (1991) Electronically Driven Short-Range Lattice Instability: Possible Role in Superconductive Pairing. Journal of Superconductivity 4(1):3-15; http://www.springerlink.com/content/p6508m156t561405/
[237] Szasz A, Kertesz L, Aysawy MA et al. (1991) Correlation between the structural and electronic stability factors. Journal of Non-Crystalline Solids 130:211-216; http://www.sciencedirect.com/science/article/pii/002230939190457H
[238] Pan X, Szasz A, Fabian DJ (1989) Fractal models for the autocatalytic growth of amorphous thin films. Journal of Applied Physics 66:146-151; http://aip.scitation.org/doi/abs/10.1063/1.343894
[239] Szasz A, Fabian DJ, Janosi IM (1989) Close-packed Frank-Kasper coordination and high critical temperature superconductivity. Periodica Polytechnica-Chemical Engineering 34(1-3):163-171; http://www.pp.bme.hu/ch/article/viewFile/2720/1825
[240] Szasz A, Fabian DJ (1988) On electronic structure and metastability. Solid State Communications 65(10):1085-1088; http://real.mtak.hu/6320/
[241] Szasz A, Fabian DJ (1988) Correlation of metastability, icosahedral symmetry and high-critical-temperature superconductivity. Physica C - Superconductivity and Its Applications 153-155:1205-1206; http://www.sciencedirect.com/science/article/pii/0921453488902432
[242] Szasz A (1987) The exact solution of the real square-lattice-gas system. Physica Status Solidi 140:415-420; http://real.mtak.hu/6317/1/1183025.pdf
[243] Demidenko VS, Szasz A, Aysawi MA (1987) On the model calculation of the excitonic-like states and their possible role in autocatalytic processes. Physica Status Solidi 140:121-126; http://onlinelibrary.wiley.com/doi/10.1002/pssb.2221400112/abstract
[244] Szasz A (1985) One possible analytical approximation of the critical point of the three-dimensional ising model. Physica Status Solidi 130(2):K97-K100; http://onlinelibrary.wiley.com/doi/10.1002/pssb.2221300250/abstract
[245] Batirev IG, Katsnelson AA, Kertesz L, Szasz A (1980) Coherent potential approximation of the relationship between short-range order and the position of the fermi level on the state density curves. Physica Status Solidi 100:479-485; http://onlinelibrary.wiley.com/doi/10.1002/pssb.2221000212/abstract
[246] Szasz O, Vincze Gy, Szigeti GyP, Szasz A (2017) Intrinsic Noise Monitoring of Complex Systems, OJBIPHY, 7, 197-215, http://www.scirp.org/Journal/PaperInformation.aspx?PaperID=79028
[247] Lim EJ (2016) Developments into electromagnetic stimulation of neural cells, The University of Sydney, thesis
[248] Szasz N (2003) Electric field regulation of chondrocyte proliferation, biosynthesis, and cellular signaling, Massachusetts Institute of Technology, thesis, https://www.researchgate.net/publication/34752305_Electric_field_regulation_of_chondrocyte_proliferation_biosynthesis_and_cellular_signaling
[249] Fioravanti M (2013-14) Studio dei meccanismi fisiopatologici dell'ipertermia oncologica e dell'oncothermia, Alma Mater Studiorum-Universita' Di Bologna, thesis, https://amslaurea.unibo.it/7878/
[250] Meggyeshazi N (2015) Studies on modulated electrohyperthermia induced tumor cell death in a colorectal carcinoma model, Pathological Sciences Doctoral School, Semmelweis University,

thesis, http://repo.lib.semmelweis.hu/handle/123456789/3956
[251] Andocs G (2015) Preclinical investigation on the biological effects of modulated electro-hyperthermia, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama, thesis