



Dr. Christoph Bäumer

**Modern Biological Orthopedics -
poisons, inflammation, weakness and
muscle testing.**

As the clinical pictures of patients in orthopedics become increasingly complex, the medical art is prioritizing and sequencing of therapeutic measurements.

Reducing complex clinical pictures to the few real underlying causes of the disease is the real art, and FMD helps us significantly with this.

Theory and practical examples.

www.orthopaedie-blankenese.com



Dr. med Hans Barop

Ubiquitous Sympathetic and Parasympathetic System and Neural Therapy

The sympathetic and parasympathetic nervous system with antagonistic function ensure the homeodynamics of the organism. Internal and external stimuli are recognized via nociceptors and regulated homeodynamically via the afferent/efferent reflex arc. The topographical anatomical arrangement is different:



The sympathetic nervous system shows a ubiquitous distribution up to the GRS. In the paper "Crosstalk between ANS and Blood Vessels", starting from parasympathetic neurons of the borderline ganglia, the parasympathetic nervous system is also ubiquitous, but less well distributed.

The term "cholinergic system" covers not only the nervous part of the parasympathetic nervous system, but also the "non-neuronal cholinergic system". For example, dendritic cells of the skin, mucosal cells of the respiratory tract, digestive and urogenital tract, mesothelial cells of the pleura and pericardium, as well as endothelial and muscle cells, granulocytes, lymphocytes, macrophages and mast cells can express acetylcholine and thus ensure the dynamic physiological interaction of the sympathetic and parasympathetic nervous system peripherally.

Acetylcholine expression regulates mitosis, cell differentiation, organization of the cytoskeleton, cell-cell contact, secretion and absorption, the immune system and microcirculation.

A chronic imbalance of these two parts (e. g. neuroplasticity) with a predominance of sympathetic tone can lead to chronic inflammation, degeneration and chronic pain disorders.

After decades of clinical experience with the therapeutic use of local anesthetics in the sense of neural therapy, the physiological balance between the sympathetic and parasympathetic nervous system can obviously be restored, thus ending chronic diseases.



Dr. Claudia Elisabetta Bassanino

The Placenta and Neural therapy: Can we use NT preventing and treating the obstetric diseases?

The vascular system of the uterus changes during pregnancy to allow increased blood flow for the growth and nourishment of the uterus, placenta and foetus. The changes are controlled by endocrine and cellular mechanisms and lead to the development of the uteroplacental circulation. Altered placentation can affect various obstetric conditions such as hypertension, pre-eclampsia, haemorrhagia, IUGR, low gestational age and preterm labour. These problems increase morbidity, mortality and disability in the population.



The innervation of the uterus regulates many critical functions and can change in response to physiological fluctuations in sex hormones. The lack of remodelling of the maternal spiral arteries can lead to insufficient blood flow to the placental villi and cause obstetric pathologies. The competition hypothesis states that there is competition between the trophoblast and the maternal nerves for control of the smooth muscle of the spiral arteries. Disturbed implantation can lead to various obstetric syndromes.

NT (neural therapy) with procaine is described in the medical literature as safe and effective. The new concepts of placenta formation and the innervation of the autonomic nervous system enable the use of NT for the treatment and prevention of obstetric disorders in mother and baby. NT can already be used during pregnancy to avoid complications. The risk of placental accretion can be reduced by treating early myometrial scarring. NT can also be considered as a preventive treatment for women at high risk.

Inhibition of nerve growth in the endometrium and placenta during pregnancy serves to protect the foetus from external stress events. NT with procaine has a sympatholytic, vasodilatory, immunosuppressive and neuroplastic effect and has an epigenetic function. It can be seen as a preventive measure to protect the future life of mother and baby. NT during pregnancy offers a rare opportunity to prevent birth complications.

www.claudiabassanino.it



Dr. med. univ. Johannes Bernard

The scientific basis to evaluate the Functional Muscle Test

- **What is the physiological background behind it?**
- **How is it performed exactly?**
- **What can it do - what can't it do?**
- **How reliable is it?**



The aim of the presentation is to answer and discuss the above questions on the basis of selected, relevant studies.

A thorough understanding of the physiological processes improves the examiners' performance and thus the reliability of the test.

Integrating scientific evidence into complementary medicine ensures credibility with our patients in the future.

This lecture is intended to provide physicians with arguments as to why muscle testing is justified in conventional medicine.

www.osteopathie-innsbruck.at



Dr. Eugen Burtscher

Susceptibility to infections Functional Myodiagnosics (FMD) - an access to individualized therapy

Many patients visit the practice because of recurring infections. They are also suffering on symptoms, that can be summarized as vegetative dystonia:

lack of energy, tiredness, increased sweating, increased heart rate after exertion and rapid exhaustion...



- Which form of therapy is most promising in such cases, since conventional diagnostics including laboratories provide little insight into a therapeutic approach?
- Is a further attempt of conventional medicine useful?
- Is acupuncture, neural-therapy, orthomolecular medicine or herbal medicine appropriate?

The method of Functional Myodiagnosis (FMD) offers a clear distinction, which form of therapy is promising. By using a clear strategy in evaluating muscle functions, including challenges and trial treatments it provides a clear access to a specific therapy.

www.burtscher-praxis.at



Dr. Luís Fernando Córdoba Llanos

The vagus nerve as the main parasympathetic nerve of the body is fundamental in the action of neural therapy, because its action is produced mainly through the autonomic nervous system.

According to the polyvagal theory, it is part of the cranial pairs that promote physical, emotional and behavioral health. It is also known the important role of the vagus in inflammation, pain and the immune system, relating it to the predisposition to the appearance of obesity and metabolic syndrome.



Besides, its fundamental participation in the neuroimmune and gut-brain axes allows bidirectional communication between the brain and the gastrointestinal system, generating control over immunity and acute and chronic inflammation. In addition, due to its intimate relationship with the nociceptive system, it participates in pain responses and control.

The vagus nerve has been the subject of multiple investigations on its electrical stimulation, denervation, its role in the cytokine storm and COVID, among many others, which also motivated the instigation and development of this direct technique in neural therapy with anatomical, tomographic and clinical support, which aims to promote the restoration of the functional balance of the autonomic nervous system. This novel application, which is performed near the jugular foramen or posterior slit foramen, directly stimulates the vagus nerve, the glossopharyngeal nerve, the accessory nerve and vascular structures such as the jugular vein, and indirectly the superior cervical ganglion.

Prof. Dr. med. Lorenz Fischer

Neuroimmune interactions and therapeutic consequences

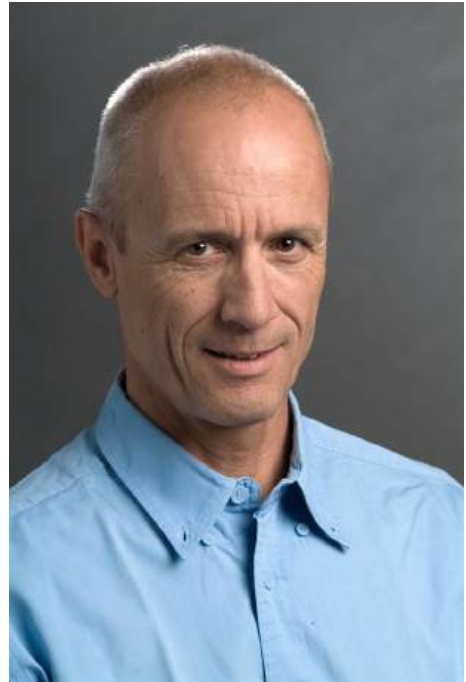
Whereas the autonomic nervous system (ANS) and the immune system used to be assigned separate functions, it has now become clear, that the ANS and the immune system communicate closely with each other.

These interactions play a crucial role in maintaining homeostasis. The reflexory neuroimmunological and inflammatory cascades constitute a general reaction principle of the organism under the leadership of the ANS.

During an acute immune response, the ANS and the immune system establish a fast interaction resulting in “physiological” inflammation. In case of acute “hyperinflammation” we propose that a reflexory malfunction of the ANS with hyperactivity of the sympathetic nervous system (SNS) triggers a hyperresponsiveness of the immune system (“cytokine storm”) with consecutive tissue damage. The risk of excessive inflammation increases with pre-existing conditions in the neuroimmune system such as hypertonia, obesity, interference fields/neuromodulatory triggers etc.

Within the overreaction we detected several interdependent positive feedback loops, in which the SNS plays an important role. Consequently, there is a chance to regulate the hyperinflammation by influencing the SNS. Positive feedback loops allow us to interpret that the neuroimmune system is complex and nonlinear, according to Chaos Theory. Such systems are holistic, and they have the fundamental ability to reorganize themselves after an input or a “reset”, e.g. by means of stellate ganglion block with local anesthetics, temporarily disrupting pathological positive feedback loops. The result is e.g. a reduction in proinflammatory cytokines. Since regulation is used instead of suppression, there are no adverse effects to be expected.

Interestingly, the nonspecific basic reactions in the neuroimmune system take place in principle in the same way, regardless of whether the initial stimulus was a viral infection, mechanical trauma, psychological stress, etc. That's why we propose a nonspecific therapy like a “reset” by means of local anesthetics.





Dr. med. univ., Prim. em. Gerhard Fürst

Pulsed Electromagnetic Field Therapy (PEMF): "It's All About Rhythm and Energy"

Well Established, Effective and Safe: In 1979, PEMF devices got FDA approval for medical applications, including non-union fractures and postoperative pain.

Since then, PEMF has been scientifically proven to accelerate healing of bones, wounds, and soft tissues. It improves microcirculation, reduces inflammation, alleviates headache, musculoskeletal, neurogenic, and visceral pain.



See, Feel It! Advanced technology has led to more sophisticated and effective PEMF devices. They deliver up to 3 Tesla at physiologically relevant frequencies (1–150 Hz). We will demonstrate some applications of PEMF therapy for well-established and emerging indications.

How Does It Work? Low frequency electromagnetic impulses are applied via coils ("non-contact treatment"). Penetrating the entire body they influence virtually any body structure. By ion induction, resonance with inherent biological rhythms, and signal transmission, PEMF boosts membrane transports, cellular / matrix metabolism and mitochondrial activity. This workshop covers physical, physiological, and chronobiological foundations of PEMF. We will briefly discuss ongoing research on PEMF and inflammation, stem cells, neuromodulation, stroke, depression, and neurodegenerative diseases.

Multilevel Effects: PEMF impacts numerous body structures and functions at cellular, local, segmental, regional, and systemic levels: Within the field of Integrative Medicine it can serve as a potent modality for both local and regulatory therapies.

drfuerst.at



Ille C. Gebeshuber

(Associate Prof. Priv.-Doz. Dipl.-Ing. Dr.techn.)

The Unspecific from the Perspective of Physics

Unspecific disease symptoms are symptoms that do not clearly indicate a specific disease or disorder. They can have various causes and may occur in different illnesses. Examples of unspecific symptoms include fatigue, loss of appetite, weight loss, headaches, dizziness, general discomfort or muscle pain.

These symptoms can occur in both harmless conditions and serious diseases, so it is important not to ignore them and to understand the potential significance of the unspecific. With the specific view one cannot see the unspecific and vice versa. Investigations at increasingly smaller and more specific levels reveal a tendency towards unspecificity.

Tackling chaos (i.e., controlling unspecified signals) is closely linked to understanding health and its complexity. Immersing ourselves in the world of the unspecific allows us to better comprehend underlying principles and structures, thereby achieving more precise understanding. One example comes from hearing theory: below the threshold of hearing, even the most regular signals cannot be perceived. Adding physiological noise renders such signals more and more unspecific, and brings them closer to the possibility of being detected. Examples will be given from biology where noise is added to specific signals in critical situations, pushing them over the threshold.

Embracing the unspecific and not solely focusing on the specific yields a more comprehensive understanding of life and medicine. This perspective allows for restoration of the balance rather than merely applying a medical band-aid. Emphasizing the importance of addressing the root cause of a problem yields long-term stability and healing instead of merely treating symptoms or finding temporary solutions.

www.ille.com





Dr. Claudia Giagnoni

NT and Skin

Dermatological therapies are often aimed at containing inflammation with drugs burdened by heavy side effects. Scientific knowledge is improving but skin diseases are increasingly becoming chronic diseases, which the commonly used therapeutic methods can only contain until the next relapse.



The need for a paradigm shift in dermatology is becoming urgent. Neural therapy has never fully entered the therapeutic possibilities in the dermatological field, yet the skin is the largest area of autonomic interconnections.

The autonomic nervous system has the task of regulating the right functioning of a large amount of structures in the skin, from the sebaceous glands to the sweat glands, from keratinocytes to melanocytes, from Langerhans immune cells to Merkel neural cells, up to the complex structure of the hair follicle. A possible imbalance in the regulation of the autonomic nervous system can alter its functionality and produce pathology.

Starting to use Neural Therapy in my clinic, I experienced its effectiveness in the treatment of very different pathologies, verifying how important it is to personalize the therapy based on the patient's history and not on the disease, and overcoming the concept of therapeutic protocol.

Some cases treated brilliantly with Neural Therapy will be presented, analyzing the patient's medical history, describing the techniques applied, showing the clinical results and mentioning those bibliographic references of the scientific literature that can give an explanation to what we see happening in the clinic.

www.claudiagiagnoni.it/



Dr. Caroline Kunz

Myalgic encephalomyelitis/chronic fatigue syndrome in FMD

Long COVID is an often-debilitating illness that occurs in at least 10% of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infections. More than 200 symptoms have been identified with impacts on multiple organ systems. At least 65 million individuals worldwide are estimated to have long COVID, with cases increasing daily.



Biomedical research has made substantial progress in identifying various pathophysiological changes and risk factors and in characterizing the illness; further, similarities with other viral-onset illnesses such as myalgic encephalomyelitis/chronic fatigue syndrome and postural orthostatic tachycardia syndrome have laid the groundwork for research in the field.

In this workshop we explore the current literature and highlight key findings. How we can find information of symptoms and therapeutic possibilities with tools of FMD.

ckunz.at



**Dr. Helmut Liertzer /
Priv.-Doz. Dr. Christine Wibmer**

**Cervical Syndrom – Therapy Specific Indications
and Concepts**

A number of factors influence the correct diagnosis and therapy of a cervical syndrome.

Neurological deficits, manual examination results, possible indications of cranial dysfunction, palpable clinical findings down to the middle thoracic spine, as well as clinical hints for interference field activities affects the approach.

This workshop discusses and demonstrates basic knowledge and practical procedures for mostly complex complaints.





Dr. med. Kurt E. Müller

Loss of Balance

Most human functional systems are dual organized, with a supporting and a controlling system that maintains the balance of both through feedback mechanisms. In the case of illness, dysregulation is a temporarily necessary process that should end with the restoration of balance.

Over the passed 40 years, there has been a tendency towards ongoing deregulation of many functional systems which was also caused by environmental influences, infections, leaky gut and disturbances of the microbiome and vaccinations.

The loss of balance of TH1 and TH2 cells, the complex population of B-cells, monocytes and macrophages, and the coincidence of long-term changes in cytokine profiles and their interaction with microglia are highlighted and discussed as are the frustrating efforts to compensate actually developing trends in functional systems for preventive purposes.





Prof. Dr. med. Dr. med. Hüseyin Nazlikul

Diaphragm Dysfunction (Diaphragm Function Disorders) must be understood and treated with a Combination Therapy of Neural Therapy and Manual Medicine



There are five types of diaphragm: the sella diaphragm, the diaphragma oris, the diaphragma thoracoabdominalis, the diaphragma pelvis and the diaphragma urogenitalis. This article focuses on the thoracoabdominal diaphragm, which is the most important respiratory muscle. Impairment of the phrenic nerve, which supplies the diaphragm, or restriction of movement can lead to diaphragmatic dysfunction. Such dysfunctions are associated with respiratory symptoms and can lead to mechanical ventilation.

The main aim of this presentation is to understand the causes and symptoms of diaphragmatic dysfunction and to establish invasive diagnostic criteria. In addition, a therapeutic combination of neural therapy and manual medicine will be presented. Neural therapy involves injections into various areas of the body to relieve pain and improve nerve function. Palpation and mobile techniques play an important role in the diagnosis and treatment of diaphragmatic disorders. These techniques aim to release adhesions and tension in the connective tissue and improve mobility.

Overall, the importance of the diaphragm and phrenic nerve in relation to health is emphasised and a combined therapy option is presented.

<https://huseyinnazlikul.com>



Dr. Ralf Öttmeier

Integration of Organopeptides in neural therapeutic treatments and rejuvenation and anti-aging concepts

The use of Procaine injection intra-muscular (100 mg, 2 to 3 times a week, as series for 3 to 6 months) was introduced by ASLAN and team since the 1950's and got a big importance to influence chronic health issues of elderly people.



A lot of studies are available in this field. Many authors suggested the combination with different vitamins to increase the action. We are using organopeptides from company Vitorgan® which offer a big palette of all important organs as well as combinations. The scientific background of organotherapy represents the so-called homing effect (Nobel price Prof. Blobel, 1999). It means that peptides made from an organ induce the new production of organotypical components after injection.

In practice, individual selected organopeptides (according organ weakness, constitution, anamnestic criteria) were mixed with Procaine and injected systemically.

By using some examples the useful integration of this natural remedies in neural therapeutic and rejuvenation treatments were illustrated.

<https://alpstein-clinic.ch/therapiekonzept/neuraltherapie/>



Prof. Dr. Peter Panhofer, MSc, MBA

Effect of Regulation medicine on silent inflammation and the autonomous system



Background: Regulation medicine deals with natural regulatory processes. Acupuncture has been the best-known and most-researched representative. (Pre-)Obesity and the Psycho-Social Atherogenic Lipopathic Metabolic Syndrome (PSALMS) have become the biggest pandemic worldwide in the last quarter century. Aim is to present a plausibility check on the physiological mechanisms of acupuncture in the field of basic research facing the actual worrying development of that metabolic regulatory disorders. Method: A scientific evidence mapping was performed on acupuncture for (pre-)obesity and the PSALMS. Publications with a high quality of evidence were included in the literature research using the databases PubMed, Embase, Cochrane Library und Google Scholar.

Results: Acupuncture has shown major impacts on the endocrine, metabolic, gastrointestinal and central & autonomous nervous systems in 29 studies. The two major regulation systems include the neuroendocrine axis and the microbiota-host axis. Body acupuncture mainly stimulates the sympathetic and ear acupuncture mainly the parasympathetic nervous system. Subsequently, acupuncture regulates hormones of the gastrointestinal tract (incretins: GLP-1, CCK, PYY, VIP, Ghrelin), the pancreas (Insulin, PP), adipose tissue (Leptin, Adiponectin, Resistin), the pituitary gland (ACTH, TSH), the thyroid gland (T4, T3) and the adrenal cortex (Cortisol). Furthermore, body needling modulates the energy expenditure (CRH) and energy intake (CART, POMC, α -MSH, NPY, AgRP, Ghrelin) in the hypothalamus, the amygdala and the brainstem (Serotonin). Last but not least, acupuncture may reduce the silent inflammation and leaky gut syndrome via the enteral nervous system and has therefore an impact on the diversity and composition of the microbiota and the consecutive metabolome.

Conclusion: Acupuncture has proven plausible functional mechanisms and evidence-based efficacy in the field of (Pre-)Obesity and the PSALMS. Therefore, acupuncture may be added to the multimodal treatment strategies of modern integrative medicine.

drpanhofer.com/



Dr .Gerasimos Papathanasiou DDS, PhD

The influence of emotional trauma in Neural Therapy and ways to overcome it



The hallmark of Neural Therapy both as a therapeutic method as well as a philosophy is the recognition and treatment of interference fields. Although the nature of interference fields was controversially discussed in the past, it is now increasingly accepted that interference fields represent permanent neuro-endocrin-immunological stressors based on chronic unresolved inflammation or parainflammation with the potential to cause vegetative instability due to the activation of the stress system and the triggering of stress responses.

A variety of stressors are capable to trigger such responses, among them psychosocial stressors through activation of the cortical – limbic- hypothalamic loop. Emotional Trauma, also known as a psychic scar in NT-language, is formed in situations where the patient faces a threat to survival (or it is perceived to be so) in a state of helplessness. If it does, it may set in motion the internal trauma circuitry, which includes various structures such as the amygdala, the hippocampus, the anterior cingulate cortex, the orbitofrontal cortex, the hypothalamus and the HPA-Axis. The trauma once established is self-perpetuating on mental, emotional and somatic levels causing major impairments, healing obstacles and diseases. The whole phenomenon is being approached under the light of the polyvagal theory according to S.W.Porges. Interestingly enough, many practitioners are aware of strong emotional reactions which occur after the infiltrations of peripheral interference fields or in segmentally related with them zones.

This suggests the idea that psychic content, under certain conditions can be stored in peripheral tissues and modified through an NT-intervention. Additionally other NT-practitioners observe frequently a mood improvement after completing an NT-session. This also suggests the idea that interoceptive changes as result of the treatment may alter the emotional state of the patient. It is obvious that if we are able to combine NT with methods that alleviate emotional trauma, we can achieve better and more long lasting therapeutic effects. Fortunately, a bundle of techniques like Vagus Nerve Stimulation, the use of specific microsystems, as well as emotional freedom techniques (EFT), provide a valuable tool in the hands of the therapist overcoming these obstacles and promote healing.

DDr. Petja Piehler

In the field of gastrointestinal oncological diseases there was a huge progress in science and research in the last years and also big progress in the field of early diagnostic and therapy.

Among other things this progress is due to the development of new substances like antibodies and immunotherapeutics. The prognosis for the advanced gastroenterologic diseases is still very poor.



One third from all patients with cancer die on gastrointestinal tumors. In the last years there was very intensive research in the field of intestinal microbiota, which could clearly show that colorectal and hepatocellular cancer corresponds very closely with the composition of the microbiome. There is a convincing context between the effectiveness of the systemic antitumor therapy, the chemotherapy and the checkpoint inhibition and the constellation of the microbiome. More and more convincing scientific data could be presented about the production of anticancer substances in the intestinal organs. Metabolic products of the different bacteria are able to increase the cytotoxic activity of many immunological cells and can increase the effect of antitumor therapy. SCFAs, produced in the intestinal organs, can increase also the cytotoxic activity of CD8 T-cells.

In connection with the rapid development of the microbiome theories the lecture presents a step by step concept for intestinal regeneration and microbiome therapy including different methods of neural therapy and therapy of the neuromodulatory triggers.

The lecture shows also the possibilities of regeneration of the hormonal axis with neural therapy and microbiome therapy and its influence on cancerogenesis and common health.

dr-petja-piehler.de



Univ. Lekt. DDr. Elisabeth Pittschieler

How to test for temporomandibular disorder – a short workshop on posturologic test to differentiate for bite problems

Did you ever want to be able to quickly and easily test problems coming from the bite / temporomandibular disorder?

In my workshop I will teach you to differentiate for downward myofascial chain problems arising from the masticatory system.

I will explain to you several biomechanical and neuronal connections between the jaw and upper cervical spine region. We at KOP (Kieferorthopädie am Parlament) in Vienna developed this unique testing system through the last 15 years and see great improvement in chronic head and neck pain patients with our treatment approach.

This workshop is essential if you treat chronic pain patients or patients with orthopaedic findings such as scoliosis (age range 5 – 50 years, not geriatric patients).
Jaw and spine belong together.



<https://www.kop.wien/>

Dr. Ivan Ramšak

Three main tools in Functional myodiagnosics.

The aim of this lecture is to give some idea of the strategic approach with the three main tools in FMD:

- Muscletest with the result of reactivity
- Challenge and
- Therapy localisation



The explanation includes examples of daily practice and if necessary a demonstration.tools of FMD.

ramsak.at

Dr. Giorgio Romani

Procaine in Neural Therapy: A Case of Chronic Fatigue Syndrome (CFS)

Objective: Understanding how an extremely soft approach could have an extraordinary response to the wonderful self-regulation mechanisms of the Human System.

Development: The Chronic Fatigue Syndrome (CFS, acronym for Chronic Fatigue Syndrome) is a disorder characterized by chronic fatigue persisting for at least 6 months and a series of rather heterogeneous symptoms.

The syndrome mainly affects women and has an estimated incidence between 0.4% and 1%, so it is not a rare disease.

Recent international documentation recommends not using the term CFS, but Myalgic Encephalomyelitis (ME), the underlying pathophysiology of Chronic Fatigue Syndrome and a disease recognized by WHO as a severe and disabling pathology that presents symptomatology punctuated by extreme fatigue not justified by the activities performed, headaches, pain in the lymph nodes that are more reactive, problems with memory and concentration, difficulty finding the right word, sore throat, fever and changes in thermoregulation, musculoskeletal pain, and can manifest with different levels of severity

The Case Report refers to a case of Chronic Fatigue Syndrome that began 15 years ago after an episode of Infectious Mononucleosis and underwent many specialist visits (neurology, psychiatry, immunology) many specialist treatments (antivirals, cortisone, immunoglobulins, hyperbaric chamber, physiotherapy, plasmapheresis) with very modest or totally ineffective results.

The soft approach with Procaine Hydrochloride and Neural Therapy allowed the patient to regain her autonomy, her life.

Conclusion: We must know how to listen and “hear” the person with his or her symptoms; we must change the concept of chronic illness.

Neural Therapy is an extraordinary approach that makes it possible to reactivate with minimal doses of Local Anesthetic the great self-regulating capacity of the Human System.





Univ.-Prof. Dr. med. Jürgen Sandkühler

Neuroinflammation - a key player in neural diseases and beyond

Neuroinflammation is a prevalent, often mild type of inflammation that affects the central nervous system (CNS). It can lead to, or contribute to, a diverse range of diseases and medical conditions, including chronic pain, fatigue, depression, cognitive decline, stress, and sleep disturbances.



Neuroinflammation may arise from abnormal neuronal activity within the CNS or from primary afferent nerve fibres that transmit signals to sensory relay stations in the CNS. Key mediators of neuroinflammation include classical neurotransmitters such as glutamate and neuropeptides like substance P. Additionally, a variety of cytokines and other pro-inflammatory substances released from activated glial cells and/or neurons can trigger or modulate neuroinflammation.

While neuroinflammation can serve as an adaptive response to temporarily heightened neuronal activity, it can become maladaptive when compensatory regulatory mechanisms fail or become overwhelmed. Importantly, neuroinflammation can be managed through various methods, including lifestyle changes, physical activity, stress reduction, and holistic medicine. Given the complexity and redundancy of the signalling pathways involved in neuroinflammation, holistic approaches may be more effective than pharmacological interventions that target single pathways. In this talk, I will provide an overview of recent advances in our understanding of the roles of neuroinflammation in health and disease.

[Researcher of the MedUni Vienna \(meduniwien.ac.at\)](http://meduniwien.ac.at)



**Dr. med., Mag.phil.
Sigrun Schönfelder**

**FMD startup for newcomers –
A practical workshop for beginners.**

This workshop offers participants hands-on experience in using muscle testing as a diagnostic tool.

Participants will gain insight into the nuances of muscle reactions during testing with and without sedation.

Additionally, they will receive an introduction to using the key tools used in FMD.





Dr. Lucy Naomi Shiratori Tusita

Chronic therapy-resistant neck pain in a fifty-year-old man. Recovery after extraction of partially impacted third molars. Case report and new pathophysiological insights



Background: Inflammatory and mechanical stimuli in tooth/jaw pathologies can have far-reaching consequences via trigeminal and autonomic circuitry and can cause systemic (e. g. autoimmune) diseases and pain conditions outside the tooth/jaw region.

In addition to a case report, we also describe new pathophysiological findings (including new figures, see the link <https://doi.org/10.1159/000529293>).

Case Report: We report on a patient with chronic, therapy-resistant neck pain whose cause lied in the tooth/jaw region, specifically, in wisdom teeth with space problems, and partially impacted. The tooth/jaw area itself was not painful; however, neck pain developed via the nucleus spinalis n. trigemini which extends into the cervical medulla. Surgical restoration of the wisdom teeth and subsequent neural therapy treatment of the extraction scars provided permanent pain relief.

Conclusion: In case of therapy-resistant neck pain (among others), it is worthwhile to look for pathologies in the dental/jaw area, including a neural therapeutic test-injection. Functional myodiagnosis can also be used well here. This can lead to causal therapy.



Prof. DDr. Irmgard Simma

Microsystem – oral acupuncture (MAPS) – reflex therapies

An increasing number of medical disciplines begin to appreciate that acupuncture enlarges their therapy spectrum. This applies to functional disorders, and particularly to those of the craniomandibular complex in dentistry. Teeth, occlusion, muscles, Temporomandibular Joint (TMJ), cervical spine, form indeed a functional unit and have the very important role of stress relief and control.



In Oral Acupuncture, points do not relate to single meridians, but each to a pair of coupled meridians and other reflex areas. Microsystem points (MAPS) are only detectable in the state of irritation. Palpation and stimulating these points show immediate effects when the “very-point” technique is used. Vestibulum Points are situated in the labial or buccal mucous membrane opposite the teeth.

Retromolar Points are situated beyond the wisdom teeth. These retromolar areas are of special importance in immediate relief of pain in correspondending organs and especially in hypertensive headache, vertigo, cervical pain and dysfunctions, shoulder complaints and even in iliosacral joint troubles.

www.simma.at



DDr. Margit Riedl-Hohenberger
Dr. Irma Škoro
Dr. med. dent. Christine Zürcher

Functional myodiagnosis - dental strategies.
An ideal addition to diagnostics and therapy in dentistry.

The aim of this lecture is to convey the strategic and systematic approach to FMD to interested parties. The focus is on recognising the connections between a wide range of clinical pictures and disruptive factors in the mouth and jaw area.

Specific topics include:

- Focal and interference search, neural therapy
- Testing new dental materials to be inserted or already incorporated materials for individual compatibility
- Substitution therapy as part of periodontal treatment
- Procedure for disturbed structures of the masticatory system (CMD) and their effects on the rest of the body





Univ.-Doz. Dr. med. Wolfgang Spiegel Dr. med. univ. Wolfgang Ortner

Neural Therapy: Where is the mental health-aspect?

As neural therapists, we claim to take a holistic approach to medical reasoning by using a bio-psycho-social approach of our patients' ailments and take into account their medical history, possible trauma and gone-by life events (neural therapeutic (NT) history-taking and medical reasoning). However, is this really so?

In order to stimulate the continued development of our discipline one of us (W.S.) in an oral presentation at the Forum Neural Therapy 2017 in Vienna made a challenging statement. He hypothesised that "most neural therapeutic curricula do not sufficiently address the issue of psychological/psychiatric, spiritual and ontic aspects of health and illness of our patients".

Although it is widely accepted that psychic trauma can function as primary strike ("Erstschlag") or be the cause for the manifestation of multivarious functional disorders ("Zweitschlag") we hardly teach necessary skills to address mental health issues (e.g. specific interview-techniques, person-orientedness, use of emotional release, suggestion techniques and hypnotherapy).

In addition, one of us (W.O.) surveyed the international NT scene and in 2018 made contact to Michael I. Gurevich, a psychiatrist and neural therapist from upstate New York, who, in a somewhat novel approach to psychiatry uses NT to address emotional trauma and even psychiatric disorders such as bulimia nervosa.

Due to the commitment of Gold-Szklarski – he is the coordinator of the continuing medical education (CME)-curriculum of the Austrian Medical Society for Neural Therapy (NT-Austria) - a special seminary named "NT and the Psyche" was implemented in Austria. Hitherto, "NT and the Psyche" was held it in 2022, 2023 and 2024.

In this workshop at the "Forum International" we will recapitulate the themes and issues addressed in the CME-seminary "NT and the Psyche", which was a one and a half day intervention: We used the following methods: Case reports, patient interviews and hands-on examination of patients, focus groups, group discussions, penel discussions, practical exercises (physical examination and infiltration techniques), oral presentations (plenum).





Dr. Regina Stemberger

Anamnese, palpation, intuition „The Magic of Neuraltherapy“

In my talk I would like to emphasize the importance of the interaction taking place between patient and doctor in the course of a session with Neuraltherapy.

We should never underestimate the effect of touching the patient as a doctor and of course we must know the way of thinking as a Neuraltherapist. We think of pathways of treatment others did not take in account.

AND there is the magic.
Is it the technique, the touching, the talk?

I hope you will be reconfirmed in your way working as a Neuraltherapist when I have finished my talk.

www.physmedtirol.at





Dr. Michael Suppanz, MSc

FMD in physiotherapy

The main principles of FMD and the structure from the physiotherapeutical process will be introduced and contrasted.

With practical examples and based on available evidence the implication of FMD in the physiotherapeutical work will be demonstrated.

At the end of the workshop participants will have an overview of the main concepts.

Furthermore they will be able to identify promising interfaces to further enhance their patiented centred therapeutic approaches to optimize therapy outcomes.

physiotherapie-velden.at



David Vinyes

Improvement in post-orthodontic chronic musculoskeletal pain after local anesthetic injections in the trigeminal area: a case series

Orthodontic treatment has been associated with chronic extraoral pain that is often resistant to common treatments such as drugs or physiotherapy, adversely affecting patients' quality of life.



In this case series, we discuss the potential impact of orthodontics on chronic cervical spine pain or gonalgia and explore the long-term effect of local anesthetic injections as a possible therapeutic intervention. Six orthodontic patients with chronic cervical spine pain or gonalgia that substantially affected their quality of life were treated with injections of 0.5% procaine into individual lesions and at palpable points of tissue tension in the oral mucosa and extraoral myofascial areas.

All patients in this case series reported significant improvement in their chronic pain, with no residual pain recorded at the 6-month follow-up. Injecting local anesthetic at stress points in the oral mucosal and extraoral myofascial regions may be an effective treatment for post-orthodontic neck and knee pain. Further research is required to better understand the potential benefits of this intervention for patients experiencing orthodontic-related musculoskeletal pain.

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Dr. med. Alexandra Knauer
Dr. med. Michaela Walter

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Dr. Wilfried Wotke

CMD is a very common but under-diagnosed functional disorder, that can be responsible for very distressing orofacial pain syndromes.

Patients often have a long history of visits and treatment from a variety of specialists.

A case report is presented that shows, how challenging the correct diagnosis of ofp can be and how NT can be a helpful tool in the diagnosis and treatment of ofp.





Dr. med. vet. Andreas Zohmann, Julia Schmid

Gold implantation and neural therapy in (veterinary) medicine. The central role of the vegetative nervous system within tissue lesions and convalescence, and elemental gold as a permanent neural therapy method – what veterinary medicine shows us!



It is the complexity of tissue damage and its fascial and vascular connections which creates far-reaching symptoms including neurological abnormalities, orthopedic problems as well as inner organ diseases – health conditions which should always be treated by a holistic approach. Neural therapy plays a central role in the successful treatment of chronic / recurrent diseases and tissue damage. The content of the first part of this article is to present typical neural therapy applications within veterinary medicine such as the paracervical/paraprostatic block, treatment of spine or sacroiliac joint-associated symptoms in connection with inner organs or segmentally radiating pain caused by irritation of one or more parts of the segment(s).

The second part is dedicated to gold implantation: 24-carat gold is implanted in the sense of local and segmental neural therapy - today still incorrectly referred as "permanent acupuncture". Based on various cell-biological studies and the success of many thousands of patients (four-legged, then also two-legged), the value of this method for chronic inflammatory and painful processes, primarily of an orthopaedic nature, but also for other problems, is explained.

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