

2ND INTERNATIONAL CONFERENCE ON NATURAL, TRADITIONAL & ALTERNATIVE MEDICINE



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NOVEMBER 20, 2024

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Our Keynote Speakers



Zhiling Yu
Hong Kong Baptist University
China



Bernd Blobel
University of Regensburg
Germany



Zhenhuan LIU
Guangzhou University Chinese
Medicine
China



Lawrence A Melniker
NewYork-Presbyterian Brook-
lyn Methodist Hospital
USA

Thank You All

**KEYNOTE
PRESENTATIONS**

NOVEMBER
2024 20

Zhiling Yu

Hong Kong Baptist University
China



Anti-rheumatoid arthritis effects and mechanisms of action of a Two-herb formula in cell and animal models

Abstract:

Rheumatoid arthritis (RA) is characterized by synovial hyperplasia and bone erosion. Current RA therapies have limitations. A herbal formula (RL) comprising *Rosae Multiflorae Fructus* and *Lonicerae Japonicae Flos*, is traditionally used for treating RA in China. We found that an ethanolic extract of RL (RLE) exerted anti-RA effects in CIA (collagen-induced arthritis) rats. On bovine bone slides seeded with RANKL-stimulated macrophages, RLE inhibited bone resorption. Micro-CT analyses showed that RLE attenuated bone erosion in CIA rats. Further assays showed that RLE decreased osteoclasts in the joints of CIA rats, and inhibited osteoclastogenesis in RANKL-stimulated macrophages and a co-culture system (IL-6/sIL-6R-stimulated RA-FLS/PBMCs). RNA-seq analysis of rat synovia tissues and molecular analyses demonstrated that inhibition of NF- κ B, MAPK and STAT3 pathways was involved in the anti-osteoclastogenic effects of RLE. Our novel findings demonstrated that RLE has anti-RA effects in CIA rats; inhibition of osteoclastogenesis is one of the cellular anti-RA mechanisms of RLE and suppression of NF- κ B, MAPK and STAT3 pathways is involved in RLE's molecular anti-RA mechanisms. This study provides pharmacological justifications for the use of the formula RL in treating RA, and suggests that RLE has the potential to be developed into a modern anti-RA agent.

Biography

Yu holds a BSc degree in Traditional Chinese Medicine and a PhD degree in Biochemistry. He is currently a Professor in School of Chinese Medicine, Hong Kong Baptist University. Dr. Yu is known for his research in herbal pharmacology, focusing on anticancer and anti-inflammation herbs.

Bernd.Blobel

University of Regensburg
Germany



Managing healthcare transformation towards intelligent and ethical 5P medicine ecosystems

Abstract:

Health and social care systems currently undergo a transformation from phenomenological through evidence-based, person-centered, and personalized care towards personalized, preventive, predictive, participative precision medicine (5PM), supported by technology. 5PM considers individual health status, conditions, genetic and genomic dispositions in personal social, occupational, environmental and behavioral context, that way understanding the pathology of diseases and turning health and social care from reactive to proactive. Thereby, we have to enable communication and cooperation between all actors of the ecosystem, participating in different knowledge spaces, representing different disciplines, using different methodologies, perspectives, intentions, languages, etc. Therefore, the knowledge-based, multi-disciplinary, highly complex and dynamic 5PM ecosystem must be consistently and formally represented. The outcome is a system-theoretical, architecture-centric, ontology-based, policy-driven approach for designing and managing intelligent and sustainable 5PM ecosystems.

Biography

Blobel studied Mathematics, Technical Cybernetics and Electronics, Theoretical Physics, Biocybernetics, Informatics, and Medicine at different universities in East Germany. He received the PhD degree in Physics, a habilitation in Medicine, and a habilitation in Medical Informatics. He was Head of the Physical Laboratory in Environmental Medicine at the Medical University Magdeburg and thereafter Head of the Medical Informatics Department and then Director of the Institute For Biometrics and Medical Informatics at the Medical Faculty of the Otto-von-Guericke University Magdeburg. In 2004, he became Founder and Head of the Health Telematics Project Group at Fraunhofer Society, Institute of Integrated Circuits (IIS), Erlangen, and thereafter Head of the German National eHealth Competence Center (eHCC) at the University of Regensburg. He is author of more than 450 scientific publications.

Zhenhuan LIU

Guangzhou University of Chinese Medicine
China



Neuroimaging by evaluation nerverenovate and neuroplasticity of acupuncture in children with cerebral palsy

Abstract:

Objective: To investigate the effect of and Acupuncture on brain plasticity and motor development in children with cerebral palsy. Investigate effect on mechanism of apoptosis of brain nerve cells, regulating the expression of neurotrophic factors, promoting the remodeling of nerve synaptic structure and motor development in young rats with cerebral palsy. Two: To evaluate the effect and mechanism of acupuncture on cerebral palsy. Three: The nerve repair effect of acupuncture on cerebral palsy. **Methods:** In this study, 146 cases of brain injury and 1078 cases of cerebral palsy were included by randomized controlled study with ICF Gross motor function measure, Peabody fine motor function, Gesell, muscle tension, joint activity, activity of daily living transcranial doppler,, skull B ultrasound, Brain Nuclear Magnetic Resonance Imaging MRI, Positron Emission Tomography SPECT, Diffusion tensor tractography evaluation method.

Results: the recovery rate of extracellular space (92.3%) was significantly higher than that of the control group (70.8%) ($P < 0.05$), Transcranial Doppler, TCD total efficiency (79.3%) was significantly higher than that in the control group (51.8%) ($P < 0.05$). Acupuncture to promoting the development of neurological and cognitive movement under 6 months children, effectively reduce the neurological sequelae. The total effective rate of the children with cerebral palsy was 87% in the acupuncture group, which was significantly higher than that of the control group ($P < 0.01$). The total effective rate of Brain MRI was 59.55% in the acupuncture group and 13.25% higher than that in the control group ($P < 0.01$). The total effective rate was 91.3% in the 1 year follow-up group, which was significantly higher than that in the control group ($P < 0.01$). the FA value of white matter fiber bundle was significantly higher than that of acupuncture at 60 times ($P < 0.05$). The recovery rate of ultrasonous brain injury (86.7%) in acupuncture group was significantly higher than that in control group (64.4%) ($P < 0.05$). The recovery rate of brain SPECT in acupuncture group was 96.4%, which was significantly higher than that in the control group ($P < 0.01$).

Conclusion: Acupuncture rehabilitation not only promote the development of white matter and gray matter in children with cerebral palsy, but also promote the brain function of children with cerebral palsy remodeling and compensation, and promote social adaptation, language and other cognitive function development, children with cerebral palsy movement and Fine motor function development and recovery, improve the children's self-care ability.

Biography

Zhenhuan LIU professor of pediatrics, Pediatric acupuncturist Ph.D.tutor. He has been engaged in pediatric clinical and child rehabilitation for 40 years. Led the rehabilitation team to treat more than 40,000 cases of children with intellectual disability, cerebral palsy and autism from China and more than 20 countries, More than 26800 childrens deformity returned to school and society and became self-sufficient. The rehabilitation effect ranks the international advanced level. Vice-chairman of Rehabilitation professional committee children with cerebral palsy, World Federation of Chinese Medicine Societies. Visiting Professor of Chinese University of Hong Kong in recent 10 years. He is most famous pediatric neurological and rehabilitation specialists in integrated traditional Chinese and Western medicine in China. He has edited 10 books. He has published 268 papers in international and Chinese medical journals.

**ORAL
PRESENTATIONS**

NOVEMBER
2024 20

Vaibhav Jain

VJ agrohomeopathy Solution pvt ltd
India



Efficacy of homeopathic medicine for galls in plant- an observational study

Abstract:

Agrohomeopathy is emerging as a promising approach in agricultural research. Recent scientific studies have demonstrated that potentized homeopathic medicines have the ability to influence physiological activities in plants. Ultra-high dilutions of homeopathic medicines have been found to be safe and beneficial for various purposes in plant care, including seed germination, soil health improvement, seedling growth, flowering, fruiting, disease protection, and stress tolerance. In this paper I am trying to show the efficacy of homeopathic medicine for “galls” on plants.

Galls are abnormal growths that occur on leaves, twigs, roots, or flowers of many plants. Most galls are caused by irritation and/or stimulation of plant cells .

Here we have given Homeopathic medicine on the basis of appearance and observation to a plant which is badly affected by galls and after spraying homeopathic medicine for 15 days the plant is completely free from Galls and we have observed the plant for a period of 3+ years and it has not developed the galls again.

This is a observational study and the result is as follows –

Proper selection of the drug and its potency is essential for maximizing the effectiveness of agrohomeopathy. By implementing agrohomeopathy effectively, farmers/plant lovers can potentially reduce the use of harmful chemicals and improve the plant health drastically.

Biography

Vaibhav is a homeopath and independent researcher treating humans, plants, and animals using homeopathy. Nine years ago, he began experimenting with Agrohomeopathy and now helps farmers, gardeners, and terrace garden owners grow plants with homeopathic methods. He has compared the effectiveness of Agrohomeopathy with conventional and organic farming. Dr. Vaibhav runs the “homeopathy_junction” Instagram page, sharing updates on homeopathic events and job opportunities, and is the founder of VJ Agrohomeopathy Solution, Asha Homeopathic Academy, and Clinic.

He led a pilot project at Varanasi International Airport, India, for weed control using Agrohomeopathy and has launched several projects in collaboration with farmers to study the impact of homeopathic medicines on soil fertility, crop quality, production, and plant disease treatment. Dr. Vaibhav is also raising public awareness about Agrohomeopathy through his social media handles.

Seskauskaite Daiva

UAB Kruenta
Lithuania



Comparison of *lychnis chalcedonica gostauta* with *duke gostautas*

Abstract:

Introduction: *Lychnis chalcedonica*, known as Maltese Cross or Jerusalem Cross, is a striking perennial plant admired for its vivid red flowers and ornamental appeal. In Lithuanian culture, it is colloquially called *gostauta*, sharing a phonetic resemblance with the noble title of *Gostautas*, specifically referencing Duke Jonas *Gostautas*, a notable figure in the 15th-century Grand Duchy of Lithuania. This paper aims to explore the symbolic and cultural parallels between *Lychnis chalcedonica* and Duke *Gostautas*, investigating how both the plant and the historical figure contribute to Lithuanian heritage.

Hypotheses

Hypothesis 1: *Lychnis chalcedonica Gostauta* holds significant cultural symbolism that parallels the historical impact of Duke *Gostautas*.

Hypothesis 2: The medicinal and ornamental uses of *Lychnis chalcedonica Gostauta* reflect the cultural values and historical significance attributed to Duke *Gostautas* in Lithuanian tradition.

The comparison between *Lychnis chalcedonica Gostauta* and Duke *Gostautas* reveals a fascinating interplay between nature and history. The bright red flowers of the plant symbolize resilience and beauty, attributes that can be metaphorically linked to the strength and cultural richness represented by Duke *Gostautas*. While the plant embellishes gardens and natural landscapes, the Duke's legacy embellishes Lithuanian history and culture.

In terms of symbolism, the plant's common name *gostauta* in Lithuanian folklore might reflect a cultural admiration for both the natural beauty of the flower and the esteemed heritage of the Duke. This dual reverence underscores the interconnection between nature and human history in Lithuanian tradition.

The comparative analysis of *Lychnis chalcedonica Gostauta* and Duke *Gostautas* highlights how natural elements and historical figures can converge in cultural symbolism. The plant's enduring appeal and the Duke's historical significance both contribute to a deeper understanding of Lithuanian cultural identity. Appreciating this interplay enriches our perception of

how nature and history are intertwined in shaping societal values.

The comparison between *Lychnis chalconica* Gostautas and Duke Gostautas underscores a deep cultural connection in Lithuanian heritage. The plant's resilience and medicinal properties metaphorically align with Duke Gostautas' enduring influence on Lithuanian law, culture and politics. Both the plant and the Duke symbolize strength, protection and the nurturing of cultural identity. This study highlights the intertwined nature of botanical and historical elements in shaping cultural values and traditions.

Biography

Skalsa From Birth to Death 1987. 1998 Skalsa Freedom for Witches. Compositions by Daiva Seskauskaitė. 2003 Laumalyla Seven trumpets. 2004 Giruze Pjaunam gryba. 2014 - 3 CDs by Daiva Seskauskaitė. Paukstuke melynai, Jovaro vejas, Saules kelias.

Bo Dong

Zhejiang Chinese Medical University
China



Analysis of health influencing factors of mobile population based on logistic regression model and random forest model

Abstract:

Enhancing health protection for mobile populations is a crucial aspect of China's health system reform and a key goal of the reform process. Existing studies have identified various factors that influence the health of mobile populations, but the relative importance of these factors remains understudied. This study aims to explore the factors influencing the health of mobile populations, analyze their relative importance. The data utilized in this study were obtained from the 2018 China Mobile Population Dynamic Monitoring Data (CMDS). After data cleaning the analysis included 108,669 samples. We employed a binary logistic regression model to analyze the health-influencing factors of the mobile population, while the random forest model determined the importance measures of these factors. The health rate of the mobile population is high, and their health level is affected by a variety of factors, but there are differences in the importance of different factors. The top three factors in the importance measure of factors affecting the health of the migrant population are health records, health education and education level, and the bottom three factors are age, health insurance and marriage. The comparison results of the logistic regression model and random forest model show that both the logistic regression model and random forest model have good performance in analyzing the health of the migrant population. To address the key influencing factors affecting the health of mobile populations, it is essential to improve access to public health services, strengthen health education, and enhance health record systems.

Biography

Dong Bo, 32 has a PhD from Zhejiang Chinese Medicine University. His research interests include health policy, health management and vaccine hesitation. He has published five papers in prestigious journals and serves as an anonymous reviewer for journals such as Journal of Migration and Health and Scientific Reports.

Ali Yetgin

Cukurova University
Turkey



Improving human nutrition and health via sustainable agriculture

Abstract:

The incorporation of sustainable agricultural methodologies plays a crucial role in the enhancement of human nutrition and well-being. This research delves into the myriad advantages of sustainable agriculture, with a specific focus on its contributions to ensuring food security, promoting the production of nutrient-rich foods, and mitigating the health risks associated with traditional farming practices. Sustainable agriculture encompasses a range of techniques including organic farming, agroecology, and crop diversification, all of which serve to not only improve soil health and biodiversity but also to elevate the nutritional value of food crops. Research demonstrates that the adoption of these sustainable practices leads to a decrease in the prevalence of diet-related illnesses by offering a wider array of nutrient-dense foods. Moreover, sustainable agricultural methods have the potential to reduce exposure to harmful agrochemicals, thus lowering the likelihood of associated health complications. Through an exhaustive examination of recent scientific inquiries, this scholarly work emphasizes the pivotal role that sustainable agriculture plays in nurturing a healthier populace and underscores the necessity for policies and investments that bolster sustainable farming endeavors. The study findings advocate for an integrated approach to agriculture that carefully considers ecological, economic, and social dimensions in order to enhance human health and overall well-being.

Biography

Ali Yetgin completed his Bachelor of Science in molecular biology and genetics and his Master of Science in biotechnology from Izmir Institute of Technology. He worked as a researcher at Dokuz Eylul University Microbiology Laboratory. So far, it has been included in 62 publications, including 24 articles and 38 conference presentations. He works as an R&D Specialist at Toros Agri company and fulfills the task of national/international project proposal submission. He also continues doctoral studies at Cukurova University and carries out his thesis on the development of microbial fertilizers.

Ladislav Fildan

Czech Medical Acupuncture Society
Czech Republic



Simultaneous use of acupuncture and collagen injections in treatment of musculoskeletal system

Abstract:

Purpose: The author has been using a combination of acupuncture and following application of collagen MD-injections by GUNA Company, Italy (MD - Medical Device), in his daily practice since 2010. This approach has increased the resulting effect of the therapy by 20 - 30 % based on VAS.

Methods: In treatment of musculoskeletal system disorders, the author has been using a combination of auriculotherapy, body acupuncture and electro-stimulation of acupuncture needles in order to increase analgetic effects of acupuncture in most patients. After acupuncture is finished, collagen injection is applied in affected areas. Most frequently, the application is performed intradermally or subcutaneously in a series of about 10 punctures 0,2-0,3 ml each; intramuscular, periarticular or intra-articular application is also possible

Analysis: Collagen is the main component of ligaments, tendons, bones, cartilage, skin and extracellular matrix. Tissues of musculoskeletal system can be damaged by overuse, physiological aging processes and traumatic events. In all cases the loss of integrity of collagen fibres is the most evident result.

MDs are injected locally in order to replace, strengthen, restructure and protect tissues of musculoskeletal apparatus, to improve anatomical structure and function of collagen fibres and the structure containing them and at the same time to provide mechanical support to areas involved.

The collagen contained in MDs is type I collagen (tropocollagen) of porcine origin, 100ug in 2ml. Transport of collagen and other contained substances to their place of destination is based on an unique collagen injectable drug delivery system. This is an efficient system capable of delivering the collagen to the specific areas to be treated. Each auxiliary substance has been chosen to optimize the effect of collagen and to obtain the best tropism toward the target.

Neo-synthesis of collagen fibrils takes place in the damaged region, which produces significant improvement of mechanical properties of the injured tissue.

Conclusions: By restoring and reinforcing damaged anatomical structures, Collagen MDs improve mobility and functionality and act directly on the pain.

In the end of the lecture, there are short videos with application of acupuncture and collagen injections shown. The paper is not supported by a grant or any company.

Biography

Ladislav Fildan, MD, President of the Czech Medical Acupuncture society of the Czech Medical Association of J.P.Purkyne since 2005, practical experience as anaesthetist, intensive care since 1980, pain treatment since 1986, acupuncture since 1986, electroacupuncture according to Dr.Voll, homeopathy, Bach Flower Therapy, phytotherapy. Brno, Czech Republic, EU

Sangeeth Somanadhapai

SGT University
India



Efficacy of environics color slides in detecting the color deficiency and healing

Abstract:

Chromotherapy, also called Color Therapy or Visible Range Radiation Therapy, is a non-pharmacological therapeutic modality that uses various wavelengths of electromagnetic radiation from within the visible spectrum (colors).

Methods & Materials: The study was performed on 65 healthy participants from SGT University, Gurgaon, India. Full, free, and voluntary informed consent was obtained from all subjects and or their legal guardian(s). Colour deficiency was diagnosed with the help of Environics Colour Slides and an Instrument called Lecher Antenna which works on the principle of resonance. The diagnosis results obtained from color slides and Lecher Antenna, (SBJ International, PARIS) were compared with the results obtained from the Es-Teck Complex, (LD Technology™, US) an FDA-approved Medical Software and Machine. Original Research Article

Results: It was observed that 86.11% of participants showed improvement in their health conditions after using the Environics Colour Slides for the period specified during the diagnosis. It was also observed that there was an 87.69% correlation between the findings of the Environics Colour Slides / Lecher Antenna combination and the ES-Teck Medical Software in identifying the health condition of the participants.

Conclusion: Chromotherapy will greatly benefit from this evidence base and help propagate this alternative treatment modality for the safe, and non-pharmacological treatment of many diseases

Biography

Sangeeth Somanadhapai, Professor and Dean, Faculty of Naturopathy and Yogic Sciences, SGT University, Gurgram holds a Bachelor's degree in Naturopathy and Yogic Sciences with 2 Gold Medals, from Mangalore University, India. He completed his post-graduate specializations in Applied Yoga, Acupuncture and Clinical Research. He has more than 25 years of work experience in the field in various capacities. He has presented papers at more than 15 National Conferences and 10 at International conferences. Some of his recent publications are mentioned in Global Literature Resource of WHO, Geneva on Covid-19 disease.

**POSTER
PRESENTATIONS**

NOVEMBER
2024 20

Laazouzi Khaoula

University Abdelmalek Essaadi,
Morocco

S-Value datasets for small animal internal dosimetry using a monte carlo simulation

Abstract:

Animal models play a crucial role in the development of new radiopharmaceuticals in nuclear medicine. To calculate the absorbed dose in small animal internal dosimetry, an accurate and widely available database of S-values is necessary. This study aims to provide a dataset for calculating S-values for commonly used radionuclides, based on the mouse phantom and using the Monte Carlo simulation code GATE for all simulations.

For benchmarking, a simulation was first conducted using the Digimouse phantom and a Tc-99m source, and the results obtained were compared with published results.

Subsequently, the phantom was used to calculate the S-values for eleven radionuclides used in nuclear medicine for diagnostic and therapeutic purposes. Finally, the phantom (26.9 g) was resized to simulate two mouse geometries: 19.6 g and 35.9 g while maintaining voxel size. Similarly, datasets were generated to evaluate variations in S-values for the 20 organs. The results were compared to published Digimouse data, which showed good agreement.

This study systematically evaluated S-values for eleven radionuclides in three mouse geometries and examined the impact of organ mass variations on calculated S-values. The methodology for calculating S-values in organ-based voxelized phantoms is detailed in this study. Moreover, it provides a comprehensive database for internal dosimetry in mice for radiopharmaceuticals used in small animal PET and SPECT studies.

Biography

Khaoula Laazouzi, a 28-year-old Ph.D. student at the University Abdelmalek Essaadi, Faculty of Sciences, Tetouan, Morocco, has already made significant strides in her academic journey. With a remarkable dedication to her research, Khaoula has published more than 7 papers in reputed journals, showcasing her expertise and contributions to her field. She is affiliated with the Radiation and Nuclear Systems Laboratory (ERSN), where she conducts her research. Her commitment to academic excellence is evident in her pursuit of higher education and her active engagement in scholarly activities. As she continues to pursue her doctoral studies, Khaoula remains focused on expanding her knowledge and making meaningful contributions to the scientific community.

**KEYNOTE
PRESENTATIONS**

NOVEMBER
2024 20

Lawrence A Melniker*, John Arena

NewYork-Presbyterian Brooklyn Methodist Hospital
USA



Joint Pains: Diagnosis without Ionizing radiation and treatment without pharmaceuticals

Abstract:

Joint pain is amongst the common complaints globally. Ultrasound is a safe, painless & non-invasive test that helps clinicians diagnose and manage such conditions. It produces pictures using sound waves similar to sonar on submarines, but not radiation like x-rays or CAT scans. Ultrasound uses a transducer and coupling gel. High-frequency sound waves travel into the body & the probe collects the returning echoes. A computer uses those echoes to create images in real-time to show the muscles, tendons, ligaments, joints, nerves and soft tissues and motion of the musculoskeletal system throughout the body.

Nonpharmacological management of joint pains may include physical therapy to reduce pain, improve joint function, and slow disease progression with treatment plans targeting the cause of pain. Like Exercise Therapy - tailored exercises to improve range of motion, strengthen muscles, and reduce pain & inflammation and Manual Techniques such as massage to improve joint alignment, reduce swelling and stiffness, and break up painful adhesions.

Finally, we describe some of the most effective anti-inflammatory substances found in nature. These include: omega-3 fatty acids, which are abundant in fatty fish; curcumin, found in turmeric, from the ginger family; S-adenosylmethionine (SAM-e) which the body creates naturally & plays an important role in the epigenetic regulation of genes; zinc that supports the immune system and reduces several inflammatory markers; green tea inhibits the production of certain inflammatory chemicals & slows cartilage loss; and Boswellia serrata resin, or frankincense, to ease inflammation and pain, slow cartilage loss, and mitigate autoimmune symptoms.

Biography

Melniker completed his MD at the age of 25 years from SUNY Downstate Medical College, a fellowship & MS in Clinical Epidemiology from Weill Graduate School of Medical Sciences of Cornell University, and an MBA in Healthcare Economics at George Washington University School of Business. He is a practicing Emergency Physician & Vice Chief for Quality of NYP BMH Emergency Department, as well the Treasurer & Board member of the World Interactive Network Focussed on Critical Ultrasound [WINFOCUS]. He has published more than 50 papers in reputed journals and has been serving as an editorial board member of repute.

**ORAL
PRESENTATIONS**

NOVEMBER
2024 20

Ying Yang

Hong Kong Baptist University
China



The essence of traditional medicine

Abstract:

Yin-Yang number system or deity/gas are one of the essence of traditional medicine. The Yin-Yang number system can be seen in a series of traditional classic books led by the Book of Changes. The core of the Yin-Yang number system is Hetu and Luoshu, which are the internal system of medical theory and Traditional Chinese medicine (TCM) properties. The Inner Classic of the Yellow Emperor often describe the deity/gas. If the deity is internal guard and peace, people don't get sick. The Five Movements and Six Qi accounted for most of the length of Huangdi's internal classics, and its unbalanced operation caused infectious diseases and public health diseases. The Five Movements and Six Qi involve the coordinated changes of astronomical climate, man and earth. In order to keep healthy, people's work, rest and diet are adjusted according to the Qi of four seasons and the 24 solar terms. With the deepening of the understanding of traditional medicine and traditional culture, it is also the process of people's own cultivation. In short, traditional medicine and traditional culture are extensive and profound, and we need to learn and communicate to improve understanding level

Biography

Ying Yang studied Infectious Diseases at the Zhejiang University, Hangzhou and graduated as Dr in 2015. She then joined the research group at the State Key Laboratory for Diagnosis and Treatment of Infectious Diseases. She received her MS degree in 2008 at the China Pharmaceutical University. She engaged in inheritance and innovation of traditional medicine and traditional culture. She has published several research articles in SCI journals and has been granted four patents for licensed inventions. Hangzhou Zhongqi Biotechnology Co, Ltd. is founded to promote traditional medicine/traditional culture, whose brand is Mehturt gourd (Qi Yan) (see logo).

**ACCEPTED
PRESENTATIONS**

NOVEMBER
2024 20

Xiangnan Li

Liaoning University of Traditional Chinese Medicine
China

The action of Sijunzi Decoction on N6-methyladenosine modification in gastric cancer based on LC-MS/MS study and network pharmacology

Abstract:

Purpose: The study was conducted to analyze the mechanism of Sijunzi Decoction (SJZ) in the treatment of gastric cancer through network pharmacology technology and experimental validation.

Methods: This study investigated the active components by LC-MS/MS. Databases such as ChEMBL, TCMIO, TTD, STRING and GeneCards were used to screen targets of SJZ in the treatment of gastric cancer. The components and targets were analyzed with an online Venn tool, Cytoscape 3.7.0. The study also used xenograft tumor model of gastric cancer and gastric cancer cell lines to further investigate the effects of SJZ in N6-methyladenosine(m6A) modification. qRT-PCR, and Western blotting were used to detect expression levels of m6A enzymes.

Results: 511 active components and 196 action targets were identified of SJZ, including 167 targets for treating gastric cancer. KEGG analysis were significantly enriched in pathways related to cancer, metabolism and immunity. GO enrichment analysis enriched terms of aging (GO:0007568), plasma membrane raft (GO:0044853), and phosphatase binding (GO:0019902). The PPI network consisted of 274 nodes with 2902 edges while Herbal-component-target protein-pathway-disease network revealed four components yielded more than 20 putative targets. Experimental assays demonstrated that METTL3 expression was significantly decreased after SJZ treatment while METTL14 expression level was obviously higher in SJZ group compared with NS group in both gastric cancer cell lines and gastric cancer tissues from mice model ($P < 0.01$, $P < 0.001$ or $P < 0.05$).

Conclusion: SJZ had multi-component, multi-target, and multi-pathway characteristics in the treatment of gastric cancer and m6A modification may be a crucial mechanism of SJZ.

Biography

Li studied Pathology at the China medical University, China and graduated as master degree in 2011. She then joined the teaching and experimental center of Liaoning University of Traditional Chinese Medicine. She received her PhD degree in Immunology in 2022 at the China medical University, China. Then, she obtained the position of an Associate Professor at the Liaoning University of Traditional Chinese Medicine. She has published 2 research articles in SCI(E) journals.

Majid Khosravi

Iran University of Medical Sciences
Iran

Cost-utility and cost-effectiveness analysis of disease-modifying drugs of relapsing-remitting multiple sclerosis: A Systematic Review

Abstract:

Background: Multiple sclerosis (MS) is a chronic, autoimmune, and inflammatory disease. The economic burden of MS is substantial, and the high cost of Disease-modifying drugs prices are the main drivers of healthcare expenditures. We conducted a systematic review of studies evaluating the cost-utility and cost-effectiveness of DMDs for relapsing-remitting multiple sclerosis (RRMS).

Materials and Method: Searches were conducted in PubMed, Web of Science, Scopus, and Embase. Studies that were written in English and Persian, published until 2019, and examined the cost-utility and cost-effectiveness of DMDs in patients with MS were included in our review. Data extraction was guided by the Consolidated Health Economic Evaluation Reporting Standards (CHEERS) checklist, and the quality of economic evaluations was assessed using the Quality of Health Economics Studies Instrument (QHES). All costs were converted to 2020 U.S. dollars using Purchasing Power Parity (PPP).

Results: In total 1,360 studies were identified, of which 22 studies met the inclusion criteria for review. Most of the studies were cost-effectiveness analysis (CEA). Eight studies employed the Markov model to assess the cost-effectiveness. Most of the studies were conducted from the health systems and the community perspectives. The lowest and highest numerical value of outcome measures were -1,623,918 and 2,297,141.53, respectively. Furthermore, the lowest and highest numerical value of the cost of Disease-modifying drugs of RRMS were \$180.67, and \$1474840.19, respectively.

Conclusions: Based on the results of all studies, it can be concluded that for the treatment of patients with AF, care-oriented strategies should be preferred to drug strategies.

Biography

Majid Khosravi has a bachelor's and master's degree in nursing and a PhD in health economics from Iran University of Medical Sciences. Several of his articles have been published in prestigious international journals such as "Health Economics Review".

Mee-Hyun Lee

Dongshin University
Korean

Therapeutic strategies of colon diseases based on traditional herbal medicine

Abstract:

Traditional herbal medicine has shown many pharmacological activities such as anti-inflammations, antioxidant and anticancer. Each major component targets specific counterpart and mediates various signaling processes including FGFR1, TOPK, and AKT to regulate diseases. Historically, the concept of Bi-Wi imbalance was associated with disease, reflecting a modern understanding of microbiome imbalance. Recent studies highlight the critical role of the gut microbiome in maintaining human health through immune modulation, gut structural regulation, and nutrient metabolism. Dysbiosis, or microbiome imbalance, is linked to a variety of diseases, including inflammatory bowel disease, depression, arthritis, diabetes, obesity, atherosclerosis, non-alcoholic fatty liver disease, and cancer. Traditional herbal medicine can influence gut microbiome balance by enhancing beneficial microbial communities and reducing harmful ones. Traditional herbal medicine are metabolized by the gut microbiota into active metabolites that help restore microbiome balance and boost the production of beneficial fermentation products, thereby alleviating dysbiosis-related diseases. Taken together the traditional herbal medicine can be used for prevention and therapy in a disease by regulating the targets and gut microbiota balance. In summary, traditional herbal medicine treatment is a promising therapeutic approach for disease prevention and treatment by targeting specific molecular pathways and regulating gut microbiota balance. This integrative strategy could provide a novel dimension to disease management and therapy.

Biography

Lee is currently an Assistant Professor at Dongshin University and the Director of the Gut-Brain System Regulation Korean Medicine Research Center (GBRC) in South Korea. She received PhD from Seoul National University, where was supervised by Professor Young-Joon Surh. She also completed postdoctoral training under Professor Zigang Dong at The Hormel Institute, University of Minnesota, USA. Additionally, she has worked at the China-US (Henan) Hormel Cancer Institute in Zhengzhou, China. Her current research interests focus on investigating novel targets and natural compounds within cancer/carcinogenesis signaling networks, and the gut microbiome. She has published more than 130 articles (<https://scholar.google.com/citations?user=IZy6bdEAAA&hl=en>).

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