



INTERNATIONAL SOCIETY OF MEDICAL HYDROLOGY

46th ISMH WORLD CONGRESS

SCIENCE PER AQUAM



OCTOBER, 19-21, 2022 | SALSOMAGGIORE TERME (PR) – ITALY
PALAZZO DEI CONGRESSI, VIALE ROMAGNOSI, 7

ISMH PRESIDENT: **PROF. PEDRO CANTISTA**
CONGRESS PRESIDENT: **PROF. MARCO VITALE**
CONGRESS CO-CHAIR: **PROF.SSA ANTONELLA FIORAVANTI**

ORGANIZING COMMITTEE

M. Vitale | P. Mirandola | G. Gobbi | C. Carubbi | E. Masselli | G. Condello

SCIENTIFIC COMMITTEE

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Marina Lalli, President of FoRST
Umberto Solimene, President of FEMTEC

VENUE OF THE CONGRESS

Palazzo dei Congressi, Viale Romagnosi, 7, 43039 Salsomaggiore Terme (Parma, Italy)

REGISTRATION

www.ismh2022.it

ORGANIZATIONAL SECRETARIAT

Mattioli 1885 | Strada di Lodesana, 649/sx - 43036 Fidenza (PR) | tel. 0524 530383 | E-mail: info@ismh2022.it | www.ISMH2022.it

SCIENTIFIC PROGRAM

WEDNESDAY OCTOBER 19th 2022 - Sala delle Cariatidi

16:00	18:30	Desk Opening and Registration
18:30	19:00	Authorities Welcome
Opening Session Chair: <i>M.Vitale (Italy), A.Fioravanti (Italy), P.Cantista (Portugal), C.F.Roques (France)</i>		
19:00	19:45	Opening Lecture: Water as a natural resource of bacteria shaping the human gut microbiome <i>Marco Ventura – University of Parma, Italy</i>
19:45	21:00	Welcome Cocktail

THURSDAY OCTOBER 20th 2022 - Sala delle Cariatidi

Session 1 – Physiopathology and Mechanisms | Chair: *U. Solimene (Italy), M. Vitale (Italy)*

08:45	09:05	Lecture: Crenotherapy for respiratory diseases: a paradigm of mechanisms and effect on pathophysiology. <i>L. Taborda-Barata – University of Beira Interior, (Portugal)</i>
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Selected presentations

09:05	09:20	Anti-inflammatory and chondroprotective effects of an arsenical-ferruginous mineral water in human osteoarthritic chondrocytes: implications for osteoarthritis treatment <i>S. Cheleschi (Italy)</i>
09:20	09:35	From Traditional Use to Multi-Site Balneology Research: mapping the landscape of North American Thermal Springs and the future of research. <i>M. Coplin (USA)</i>
09:35	09:50	Effect of calcium-sulphate-bicarbonate water in a murine model of non-alcoholic fatty liver disease: a histopathology study <i>G. Carpino (Italy)</i>
09:50	10:05	Thermae microbiota: tracing waters, unravelling healthy mechanisms, developing appropriate treatments <i>V. Romano Spica (Italy)</i>
10:05	10:20	Cellular, Computational and Integrative Biology - CIBIO TRENTO e TERME DI COMANO <i>E. Clò (Italy)</i>
10:20	10:35	Exogenous hydrogen sulfide modulates SARS-CoV-2 binding receptors in human airway epithelium <i>G. Pozzi (Italy)</i>

10:35	10:55	Coffee Break
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Session 2 – Rheumatology and Musculo-Skeletal conditions | Chair: C.F. Roques (France) – A. Fioravanti (Italy)

10:55	11:15	Lecture: Balneotherapy and pain of musculoskeletal conditions: what evidence? <i>C. F. Roques-Latrille – University of Toulouse and Académie Nationale de Médecine, (France)</i>
Selected presentations		
11:15	11:30	Mud pack therapy research in Hungary. <i>I. K. Tefner (Hungary)</i>
11:30	11:45	Improvement of pain symptoms in selected musculoskeletal diseases after spa therapy including low-dose radon <i>A. van der Zee-Neuen (Austria)</i>
11:45	12:00	Arsenical-ferruginous balneotherapy for osteoarthritis of the hand: results from a retrospective observational study <i>S. Tenti (Italy)</i>
12:00	12:15	Clinical efficacy of balneotherapy and spa therapy: an overview of systematic reviews <i>M. Antonelli (Italy)</i>
12:15	12:30	Mud-bath therapy and spa stay effect on Fibromyalgia Syndrome. “Fibrotherm: a protocol for a multicentric prospective case-control study <i>A. Ariani (Italy)</i>
12:30	12:45	Sulfureous waters increase plasmatic H ₂ S levels and stimulate osteoblast function: a new perspective on the treatment of osteoporosis. <i>F. Grassi (Italy)</i>
12:45	13:00	Rehabilitation in Health Resort Medicine: what are the future perspectives? <i>P. L. Valentini (Italy)</i>
13:00	14:30	Light Lunch

Session 3 – Multi specialty DIVE session: Deep Insights Vein-lymphatic Education | Chair: *F. Maraver (Spain) – A. Françon (France)*

14:30	14:40	Opening <i>M. Vitale (Italy); S. Giancesini (Italy); L. Massari (Italy); F. Noce (Italy); V. Noce (Italy)</i>
14:40	14:50	Vascular Hydrology: from empiricism to evidence-based <i>S. Giancesini (Italy)</i>
14:50	15:05	Multi-specialty expert discussion <i>C. Coppola (Italy); T. Lotti (Italy); L. Osti (Italy); A. Zammarchi (Italy)</i>
15:05	15:15	Open discussion
15:15	15:25	Evidence-based aquatic protocol for vein-lymphatic patients <i>E. Menegatti, (Italy)</i>
15:25	15:40	Multi-specialty expert discussion <i>D. Gaita (Romania); L. Gianaroli (Italy); O. Giorgi (Italy); T. Khilnani (USA)</i>
15:40	15:50	Open discussion
15:50	16:00	Compression in post-traumatic oedema: next step? <i>Y.W. Chi (USA)</i>
16:00	16:15	Multi-specialty expert discussion <i>J. Wang (China); E. Goranova (Bulgaria); S. Rockson (USA); O. Bottini, (Argentina)</i>
16:15	16:25	Open discussion
16:25	16:35	Final Remark <i>M. Calò (Italy); A. Zanasi (Italy); J. Caprini, (USA)</i>

16:35	16:55	Coffee Break
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Session 4 – Lifestyles, Metabolic, Dermatologic and other conditions | Chair: J. Chojnowski (Poland), G. Gobbi (Italy)

16:55	17:15	<p>Lecture: Lifestyle Medicine for Leaders: How to use the six pillars to thrive <i>E. P. Frates – Harvard Medical School and Mass General Hospital, Boston, USA – President, American College of Lifestyle Medicine, USA</i></p>
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Selected presentations

17:15	17:30	<p>Adjunctive Physiotherapy in Thermal Health resorts: A Case report on the successful management of Diabetic Neuropathic Foot Ulcers <i>M. Coplin (USA)</i></p>
17:30	17:45	<p>Associations between habitual hot-tub bathing and metabolic parameters among Japanese patients with type 2 diabetes: A Cross-sectional Study <i>H. Katsuyama (Japan)</i></p>
17:45	18:00	<p>Balneology for overweight and obese patients – data from the french experience <i>C.F. Roques (France)</i></p>
18:00	18:15	<p>The Euganean Thermal Mud and Bath therapy and cellulite: our experience. <i>F. Fornasini (Italy)</i></p>
18:15	18:30	<p>Preliminary Results of a randomized, open-label study of the effects of carbonated or fresh water footbathing on peripheral blood flow in patients with diabetic peripheral neuropathy Department of Diabetes, Endocrinology and Metabolism <i>Tatsuki Onomura (Japan)</i></p>
18:30	18:45	<p>The importance of intermittent hypoxic-hyperoxic therapy in management of the cases from balneary units <i>M. Iliescu (Romania)</i></p>
18:45	19:00	<p>Metagenomic sequencing approach to characterize bacterial communities in peloids <i>I. Marchesi (Italy)</i></p>
19:00	19:15	<p>Different waters for different performances: Can we imagine sport-related natural mineral spring waters? <i>V. Presta (Italy)</i></p>

20:30	Gala Dinner
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FRIDAY OCTOBER 21st 2022 - Sala delle Cariatidi

Session 5 – Rehabilitation and post-Covid | Chair: P. Cantista (Portugal) – S. Masiero (Italy)

08:30	08:50	Lecture: Covid 19 and the musculoskeletal system: clinical framework and functional recovery programs A. Frizziero – University of Parma & AUSL Piacenza, Italy
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Selected presentations

08:50	09:05	Managing infectious risks under emergency: a lesson from the COVID-19 pandemics V. Romano Spica (Italy)
09:05	09:20	Health Resort Medicine, Telerehabilitation and Long Covid M. C. Maccarone (Italy)
09:20	09:35	Aquatic and thermal therapy in lymphedema management M. C. Maccarone (Italy)
09:35	09:50	The effectiveness of thermal rehabilitation in long covid patients with persistent dyspnoea: preliminary data O. Resta (Italy)
09:50	10:05	Oral cure of sulphur waters, latest contributions J. M. Carbajo
10:05	10:20	Skin related geomedical diseases in Africa Nghargbu K'tso (Nigeria)

Closing Session | Chair: C.F. Roques (France) - M. Vitale (Italy) - A. Fioravanti (Italy)

10:20	10:35	Closing Lecture: ISMH cooperation with universities, medical organizations and health authorities P. Cantista (Portugal)
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10:35	11:00	Coffee Break
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11:00	13:00	ISMH General Assembly
13:00	13:15	Closing Ceremony

FACULTY		
ANTONELLI	Michele	Department of Public Health, AUSL Reggio Emilia, Italy
ARIANI	Alarico	Internal Medicine and Reumatology Unit at University Hospital of Parma, Italy
BOTTINI	Oscar	German Hospital, Argentina
CALÒ	Mario	Family Medicine representative, Cervia, Italy
CANTISTA	Pedro	President of ISMH; President of Colégio Medicina Física e de Reabilitação da Ordem dos Médicos University of Porto, Portugal
CAPRINI	Joseph	Vascular representative NorthShore University, USA
CARBAJO	José M.	Department of Radiology, Rehabilitation & Physiotherapy, Faculty of Medicine, Universidad Complutense de Madrid, Spain
CARPINO	Guido	University of Rome "Foro Italico", Italy
CHELESCHI	Sara	Rheumatology Unit, Department of Medicine, Surgery and Neuroscience at University of Siena, Italy
CHI	Yung Wei	Cardiovascular Medicine, University of California, Davis, CA, USA
CHOJNOWSKI	Jacek	President of Polish Association of Balneology and Physical Medicine, Poland
CLÒ	Emanuele	Health director at Comano thermal baths, Italy
COPLIN	Marcus	Naturopathic Healthcare, Director of Hydrothermal Medicine, USA
COPPOLA	Carmela	OBGyn, Italy
FIORAVANTI	Antonella	Rheumatology Unit, Department of Medicine, Surgery and Neuroscience, Siena, Italy, President of OMTh, Vice-President of ISMH, Italy
FORNASINI	Francesca	Medical Hydrology, Italy
FRANÇON	Alain	General Secretariat ISMH, Centre de recherche rhumatologique et thermal, France

FRATES	Elizabeth Pegg	Harvard Medical School and Mass General Hospital, Boston (USA), President American College of Lifestyle Medicine, USA
FRIZZIERO	Antonio	Rehabilitation Unit, Department of Medicine and Surgery, University of Parma, Italy
GAITA	Dan	Cardiology, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania
GIANAROLI	Luca	Scientific Director of S.I.S.Me.R. (Italian Society for the Study of Reproductive Medicine), Italy
GIANESINI	Sergio	University of Ferrara, Italy; Uniformed Services University of Health Sciences, Bethesda, USA
GIORGI	Omero	Family Medicine, Italy
GORANOVA	Elena	Balkan Veous Forum, Bulgaria
GOBBI	Giuliana	Department of Medicine and Surgery, University of Parma, Italy
GRASSI	Francesco	Rizzoli Orthopedic Institute, Department of Research and Innovation Technology, RAMSES Laboratory, Bologna, Italy
ILIESCU	Madalina	Ovidius University of Constanta, Romania
KATSUYAMA	Hisayuki	National Center for Global Health and Medicine, Japan
KHILNANI	Tyler	Orthopaedic Hospital for Special Surgery, New York, NY, USA
K'TSO	Nghargbu	Director Linkages & International Cooperation, Nasarawa State University Keffi, Nigeria
LOTTI	Tommaso	Family Medicine, Italy
MACCARONE	Maria Chiara	University of Padova, Italy
MARAVER	Francisco	Director of Medical Hydrology School, University Complutense, Madrid, Spain
MARCHESI	Isabella	University of Modena e Reggio Emilia, Italy
MASIERO	Stefano	Director of the Physical and Rehabilitation Medicine School, Full Professor in Physical Medicine and Rehabilitation at the University of Padova, Italy
MASSARI	Leo	Head of orthopaedic department, University of Ferrara, Italy
MENEGATTI	Erica	Dpt. of Environmental Sciences and Prevention, University of Ferrara, Italy
NOCE	Francesco	President Triveneto Physician Board. Italy

NOCE	Valentina	Human Rights & GE v-WIN committee, Italy
ONOMURA	Tatsuki	National Center for Global Health and Medicine, Japan
OSTI	Leonardo	Othopaedics at University of Ferrara, Italy
POZZI	Giulia	Department of Medicine and Surgery, University of Parma, Italy
PRESTA	Valentina	Department of Medicine and Surgery, University of Parma, Italy
RESTA	Onofrio	Respiratory Disease Unit, University Of Bari, Italy
ROCKSON	Stanley	Stanford University, USA
ROMANO SPICA	Vincenzo	Hygiene and Public Health, University of Rome "Foro Italico"; Chair, Laboratory of Epidemiology and Biotechnologies, Rome, Italy
ROQUES LATRILLE	Christian-François	President elect ISHM, Vice- President FEMTEC, French Academy of Medicine, Paris, France
SOLIMENE	Umberto	President FEMTEC, State University of Milan, Italy
TABORDA-BARATA	Luis	Department of Medical Sciences, Professor of Clinical Immunology at University of Beira Interior, Portugal
TEFNER	Ildikó Katalin	Saint Cosmas Health Center of Joseph Town, Budapest, Hungary; Vice-President of the Hungarian Balneological Society
TENTI	Sara	Rheumatology Unit, Department of Medicine, Surgery and Neuroscience at University of Siena, Italy
VALENTINI	Piero Luigi	Department of Neuroscience, Section of Rehabilitation, University of Padova, Padua, Italy
VAN DER ZEE-NEUEN	Antje	Center for Physiology, Pathophysiology and Biophysics, Institute for Physiology and Pathophysiology, Salzburg, Austria
VENTURA	Marco	Chair, Microbiome Research Hub, Department of Chemistry, Life Sciences and Environmental Sustainability - University of Parma, Italy
VITALE	Marco	Department of Medicine and Surgery, University of Parma; FoRST Scientific Director, Rome, Italy
WANG	Jinsong	Chinese Society of Phlebology, China
ZAMMARCHI	Armando	Cardiology, Italy
ZANASI	Alessandro	Thermal Medicine representative, Italy

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