MICROVASCULAR HIGH TECH SOLUTIONS

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imin®
International
Microvascular Net

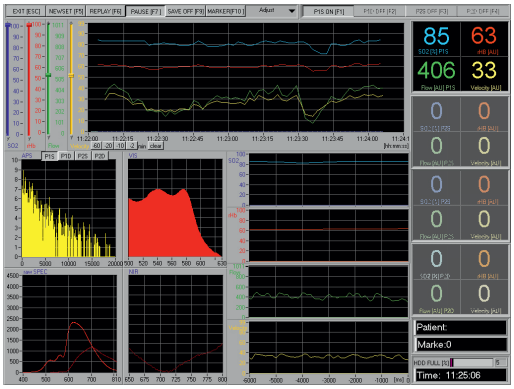
Microvascular High Tech Solutions

More and more, modern medicine is recognizing the complex connections of the entire vascular system and is increasingly focusing on the interplay between the large vessels and the microvessels within peripheral circulation. Arteries and veins have been scientifically documented in basic research for many years. However, it is only recently, that the significance of microvessels has been thoroughly investigated. In particular, the findings give rise to new hope for excellent therapeutic approaches within the entire vascular system. It is thus now time to offer an international platform for the various international findings and experience for a scientific exchange in this field. This is an opportune time for IMIN.

Our Goals

International Microvascular Net is the result of several years of discussions with renowned scientists with vast experience of the connections within the entire vascular system. We want to build a synergized international network for this knowledge, which is available in many places, to document scientifically proven therapeutic approaches for the entire vascular system and, if necessary, also define new therapeutic approaches. At the same time, we are committed to supporting innovations that are safe, effective, and accessible to all. Together with competent scientists, we are supporting the definition of new standards at an international level for patient benefit and their awareness of reducing therapy costs.

Microvascular Diagnostic Solutions



Our Activities

IMIN collaborates and supports scientific studies collaborations and scientific studies with experts in the research area of microcirculation. We consider clear definitions and terminology as well as inclusion of appropriate and acceptable collection and diagnostic procedures to be a basic prerequisite for achieving scientific consensus.

By synergizing various therapeutic approaches, we are contributing to a further improved range of therapeutic options in the area of microcirculation. The knowledge of correlations with regard to the significance of healthy microvessels for health and their interactions with arteries and veins is for us a vital prerequisite to move this field of medicine further into the spotlight of science, research and daily practice. For this reason, we fully support the dissemination of this knowledge.

IMIN is committed to establishing clear therapy structures and sequences in line with the definitions specified by WHO: prevention (primary prevention) and treatment (secondary prevention), follow-up care (tertiary care). We coordinate EU-research projects and maintain contacts with international institutes and experts in the field of microcirculation research.

Fred Unrath

Fred Unrath
Executive Director

With 20 years of practical experience in development, and an impact in technologies improving blood circulation in the smallest of vessels, Fred Unrath was approached by professors and manufacturers, and asked to create a common neutral platform for “MICROCIRULATION” on an international scale. Today the founder and Executive Director of IMIN is delighted to have the support of numerous doctors and scientists and together they are constantly expanding the productive network in the service of health.

Prof Dr. Rainer Klopp

Prof. Dr. Rainer Klopp
Head of the Institute for Microcirculation Berlin/Buch

As head of the Institute for Microcirculation in Berlin/Buch, Prof Dr. Rainer Klopp is responsible for impressive research findings, which show that physical stimulus has a positive influence on microcirculation.

Bender Tamás M.D .PH.D, D.SC

Bender Tamás M.D .PH.D,D.SC
Chief physician at the Hospitaller Brother of St. John of God-Head in Budapest

Prof. Dr. Bender is the chief physician at the Hospitaller Brother of St. John of God-Head in Budapest and member of the Hungarian Academy of Sciences. He received an award for a randomized, controlled, double-blind clinical pilot study of 50 patients with painful knee arthrosis and chronic lower back pain.

Prof. Dr. Karl Heinz Schmidt

Prof. Dr. Dr. Karl-Heinz Schmidt
Co-inventor of magnetic resonance imaging.

Prof. Dr. Schmidt is the co-inventor of magnetic resonance imaging (MRI). Physical treatment in diagnostics and therapy are close to his heart. In addition, he considers the supply of oxygen and nutrients to the cells, tissues and organs through an intact vascular system to be of key importance for health and performance. He believes that within the medical system, approaches are urgently needed to act as a counterbalance to reductionism, which is currently the mainstream paradigm.*

*DGIM Press Conference 2014

Prof. Dr. Karl Werdan

Prof. Dr. Karl Werdan
former Managing director of the Center for Internal Medicine at the University Clinic, Halle

Prof. Werdan, the former Managing Director of the Center for Internal Medicine at the University Clinic, Halle, explained the difference between the macrocirculation – which has been reserached – and the relatively unknow functioning of organs requires sufficient blood supply to them. A prerequisite for this is a functioning system of the macrocirculation and microcirculation. The effect of dysfunctional blood circulation through vessels with a diameter ranging from 0.1 to 0.001 mm has been neglected until now.*

Prof. Dr. Fred Harms

Prof. Dr. Dr. Fred Harms
Vice-President of the European Health Care Foundation

Prof. Dr. Fred Harms, is a physician from the Sigmund Freud University Vienna and Vice-President of the European Health Care Foundation is convinced that harmful microcirculation is the cause for major widespread diseases – such as diabetes. To remedy this, all possible means must be utilized – also due to economic reasons – to avoid resulting health complications such as amputations. Numerous studies and publications have already shown that the physical vascular therapy is an effective method to this end.

Dr. Harms' perspective:
"The immense significance of the vasomotion in the capillary system still accounts for 74 percent of the entire blood circulation. It cannot be treated with medication. Doctors find it often difficult to pursue new avenues in such cases." **

*DGIM Press Conference 2014 **Parliamentary district, Berlin, December 2014

OTHER COOPERATION PARTNERS

Ärztegesellschaft für Erfahrungsheilkunde e.V.
(Medical Society for Empirical Medicine, e.V.)

DGPMR – Deutsche Gesellschaft für Physikalische Medizin und Rehabilitation
(German Society for Physical Medicine and Rehabilitation)

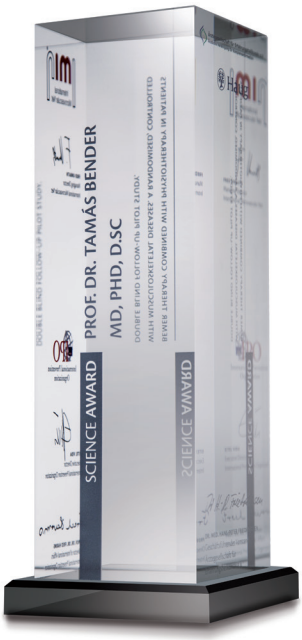
Institut für Mikrozirkulation Berlin/Buch
(Institute for Microcirculation Berlin/Buch)

Haug Verlag
(Haug Publishing House)

IPO - International Prevention Organization

Bundesverband für Gesundheitsinformation und Verbraucherschutz - Info Gesundheit e.V.
(Federal Association for Health Information and Consumer Protection - Info Health e.V.)

IMIN – INITIATOR OF THE SCIENCE AWARD 2015



The knowledge of microcirculation and its dissemination is among the key objectives of IMIN. For this reason, IMIN is committed to making this knowledge attractive and facilitate the progress of new research findings.

In this context, IMIN initiated and organized the Science Award, which was awarded to Prof. Dr. med. Tamas Bender in fall 2015.

The two junior scientists, Dr. med. Katja Storch and Dr. Ellen Dickreuter, received the second research award.The scientists are part of the research group of Prof. Dr. med. Nils Cordes, the director of the working group on molecular and cellular radiobiology at the National Center for Radiation Research in Oncology at the University Hospital of Dresden University of Technology.

Their experimental work investigated the influence of physical vascular therapy on the resistance to radiation and chemotherapy of human tumor cells.

This award was presented jointly by Ärztegesellschaft für Erfahrungsheilkunde e.V., Haug Verlag, the International Prevention Organization (IPO), and for the first time, the new network International Microvascular Net (IMIN).

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