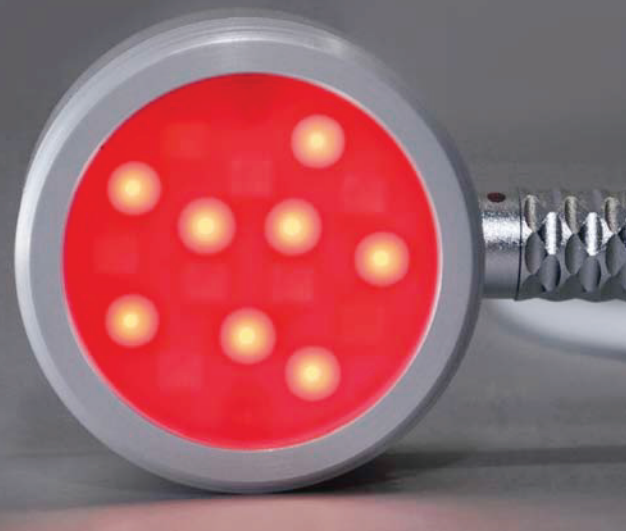


Made in
Germany

The latest technological advancement in
PAIN MANAGEMENT



feel different_treat different[®]

When conventional pain treatment methods leave you and your patients wanting more...

Introducing a new way to treat pain and quick healing.

Doctors and pain therapists are regularly challenged by some patients who do not respond fully to all conventional treatment modalities. Even those patients who do see relief often demand faster and more predictable results from the treatments.

BCR-Therapie® is a new cybernetic pain management technology developed and patented in Germany. Working on Microcurrent and Nano-Photonic LED light therapy, the system focuses on applying cybernetic principles to regulate and restore disrupted metabolic processes. As a result it provides instant pain relief while at the same time the improved cellular metabolism works on accelerating the recovery of the pathologic condition. The core competencies of the system are in giving instant results to pain problems in just single sessions as well as the consistent and reliable manner in which it delivers the results.

Areas of application

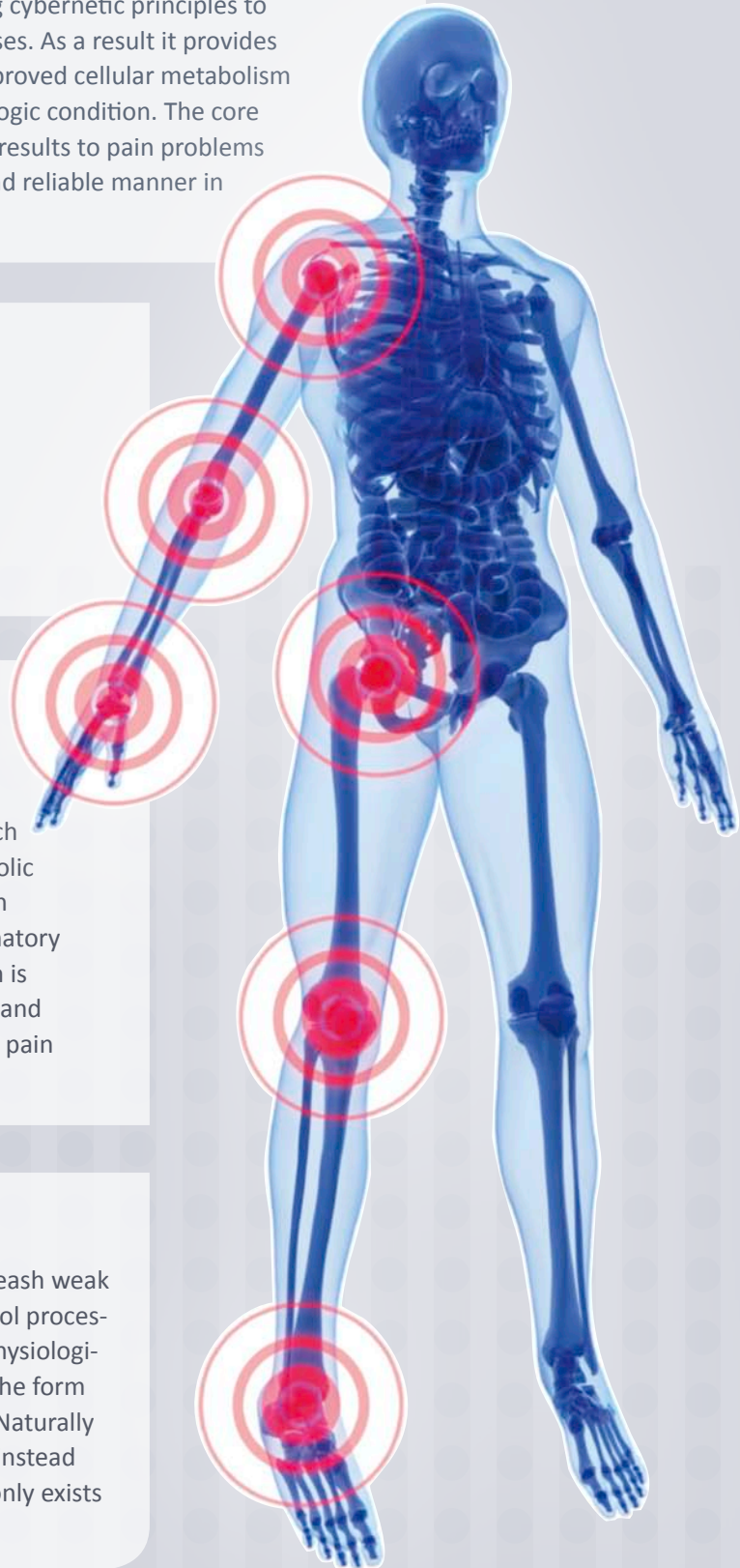
- Acute and chronic pain therapy
- Neurological treatments
- Vegetative states and central nervous system
- Sport injuries
- Burnout
- Myofascial trigger points

The Difference

The Luxxamed is unique among electronic, frequency and resonance-based therapeutic systems. A therapeutic program is developed for each individual patient, taking into account the metabolic state of their tissue. The healing and regeneration processes are activated and accelerated. Inflammatory processes are regulated and lymphatic circulation is stimulated. This strengthens the immune system and metabolic balance is restored. The body's natural pain relief processes are initiated.

Facts

The Luxxamed uses feedback mechanisms to unleash weak metabolic potential in order to influence or control processes that occur in the tissues, thereby achieving physiological metabolism. This manifests itself clinically in the form of pain reduction and increased bodily function. Naturally this doesn't create a new joint (for instance) but instead simulates the metabolic process that otherwise only exists within an intact joint, leading to pain relief.



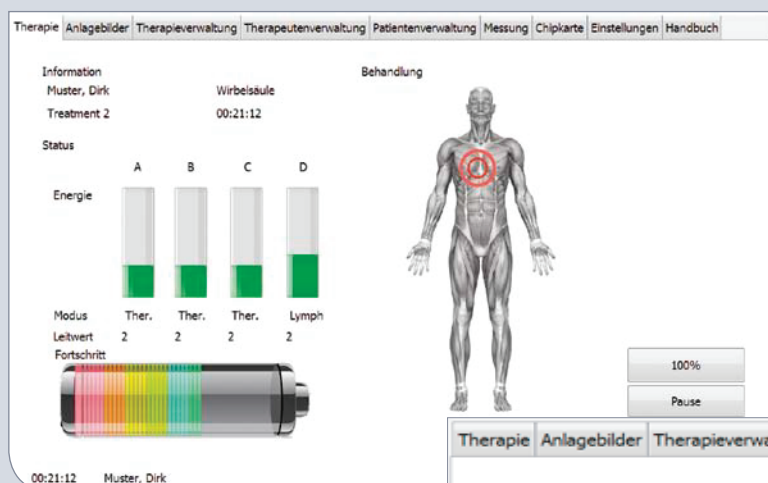


Therapeutic monitoring and planning and patient documentation

The Luxxamed uses cybernetic technology to process information in order to analyze the metabolic processes and to create an appropriate therapeutic program for each patient.

It describes the patient's entire treatment in a graphical format that allows the patient's electro-metabolic progress to be determined. A unique feature is the Luxxamed's ability to show the therapeutic outcomes of previous sessions, to compare them with current results and thus to formulate a tailored therapeutic program based on the patient's current status.

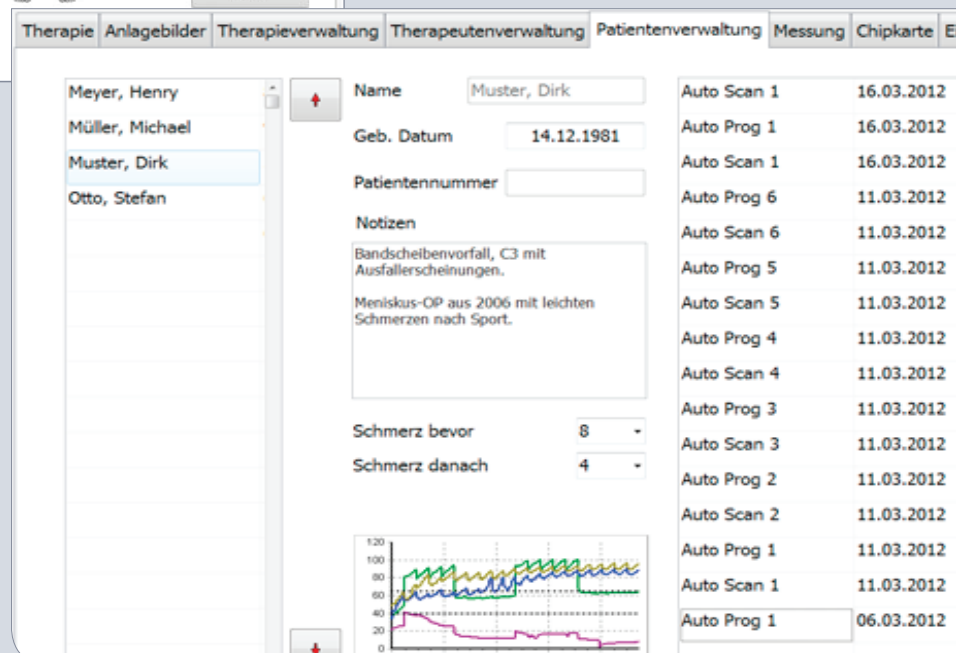
Through the use of intelligent patient management, the doctor or therapist is given the ability to monitor the treatment process and to plan the patient's therapy. All data relating to the patient and the treatment are stored in the Luxxamed's memory and can be printed out directly through the use of an attached printer. This also ensures complete and comprehensive documentation of the therapy and the patient's progress.



The treatment results are displayed as a graph and also in the form of a charging battery.

This hi-tech feature is a very useful tool for doctors on deciding the frequency of further treatments.

Patients too are motivated to return for further treatments as they see their own progress results.



PAIN THERAPY

Institute for Cybernetic Medicine – Dr. Voracek, M.D.

“When a patient is injured or poisoned, or when they undergo fundamental changes, multiple organs and tissues are inevitably affected, such as tendons, ligaments, capsules, joints, bones, the periosteum or the muscles). Each of these fits into a structure to perform its own individual function, which involves multiple metabolic processes.

Managing these metabolic states requires a range of therapies, such as the way in which we alternate between hot and cold treatments. Sometimes we need to reduce the metabolic rate; other times, we need to increase it. As such it requires a kind of cybernetic metabolic therapy similar to physical therapy which uses more advanced options as treatment progresses.

Illness and injury are caused by a number of metabolic effects in combination. The Luxxamed can address multiple organ systems simultaneously, even if they are in different metabolic states.

This means that it is possible to treat muscle wasting at the same time as inflammation. The Luxxamed has the ability to learn through its application to the patient and thus to tailor its response to the patient’s various states.”



“Every sports center should have a BCR-Therapie Luxxamed”

Dr. Edgar Michael T. Eufemio
President, ASEAN Society for
Sports Medicine and Arthroscopy

NEUROLOGICAL COMPLAINTS

Electro-cybernetic metabolic therapy

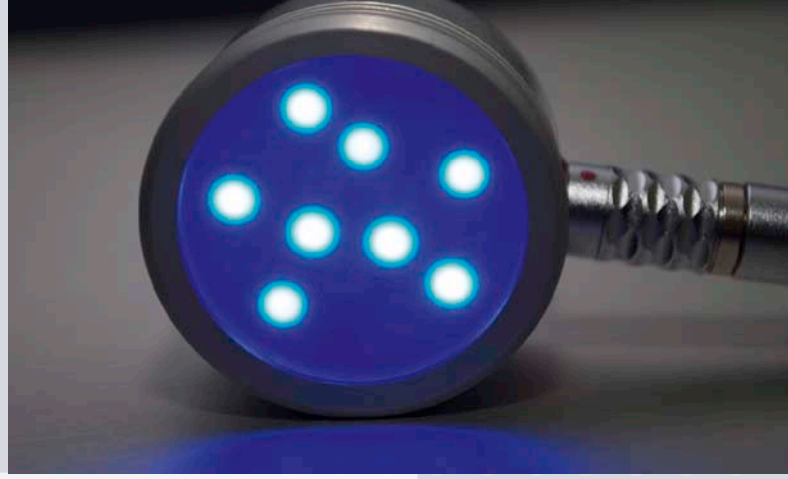
The primary aim of pain therapy using bio-cybernetics is to regulate and moderate the metabolism and the metabolic processes based on two decades of intensive research in the field, which was triggered by discoveries in the area of neuro-physiology.

The Luxxamed metabolic therapy device was developed in harmony with the discoveries in bio-cybernetics and operates on the same principles, and it is applied in the area of the organism's processes of regulation and control. In order to achieve optimal results in the field of pain therapy, it is necessary to apply effects both at the cellular level and on the body's own information network, for instance by regulating the autonomous nervous system.

The average human body consists of 70 trillion cells that make up the blood vessels, nerves, organs, organic systems and so on, and this vast system naturally needs to be regulated. In most traditional therapeutic approaches, illness is a deviation from the system's ideal, self-regulated state, which should be restored as quickly as possible. The holistic approach of bio-cybernetic pain therapy recognizes the status of illness as a disturbance in the body's regulatory mechanisms and therefore treats the cause of the complaint, rather than seeking to block it like other treatment approaches. When the metabolic therapy device is used, these cybernetic principles are applied to treat a range of complaints that affect the metabolism and metabolic processes inclusively, with the aim of using the body's intrinsic strengths and resources. In concrete terms, this means that if a damaged knee is treated, the bio-cybernetic approach does not primarily see a deviation from the norm, but rather examines which disturbances to which regulatory mechanisms have caused this structural change in the body. The causes of this disturbance are subsequently treated by the use of other bodily strengths in order to return the knee to its normal state.

The Luxxamed metabolic therapy device allows treatment of muscular syndromes, sports injuries, muscle tenseness, fractures and inflammation with improvements reported by users in over 80% of patients after just one treatment session. Relief can be achieved not just in respect of acute pain, but also from chronic conditions such as arthrosis, arthritis, stress-induced migraines and fibromyalgia.

SPORTS THERAPY



Nano-photonic LED Light Therapy

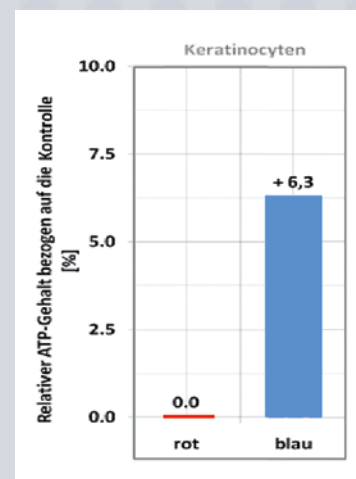
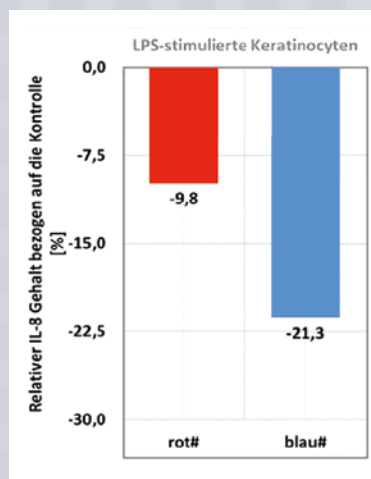
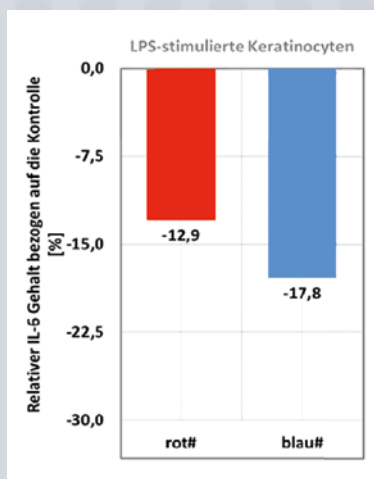
The patented nano-photonic LED light therapy ensures equilibrium in the metabolic processes, a reduction in inflammatory reactions and an increase in production of nitrogen oxide gas and increased release of Cytochrome C protein, which plays an important role in energy release.

The effectiveness Luxxamed nano-photonic LED light therapy has been demonstrated by a laboratory study carried out by the Fraunhofer Institute. This study showed a significant increase in intracellular ATP production. The nano-photonic therapy was also notable for its influence over the cell cycle, in particular in relation to cell regeneration, cell division and cell vitality.

The areas in which nano-photonic therapy may be applied are extremely extensive.

- Pain therapy
- Trigger therapy
- Acupuncture
- Muscular treatments
- Scar treatments

Thanks to the special shape of the light applicators, nano-photonic therapy can be deployed manually by the user (a doctor or therapist) or by means of an attachment to the patient's skin. This ensures that the therapy can always be delivered fully automatically or in line with the individual requirements of a particular application.



Up to a 22% reduction in IL6 and IL8
After 20 minutes of treatment – reduced inflammation

Fraunhofer-Institute FEP

Increase in intracellular ATP
production

Fraunhofer-Institute FEP

feel different_treat different[®]

Study Excerpts - Double Blind Clinical Study on BCR-Therapie

1. Randomized clinical trial on patient-centered usage of BCR therapy in patients following knee replacement surgery resulted in clinically significant therapeutic effects.

Bavaria Kreisch Clinic, G. Rockstroh Dipl.Phys., Prof F. Krummenauer, W. Schleicher M.D.(2010)

2. Determining the influence of nano-photonic technology on cellular cultures in vitro

Master of Science (M.S.) thesis – Anna Karutz, tutor Dr. Christiane Wetzel; Fraunhofer FEP 20.12.2012

3. Relief from cervical pain

University of Madrid , University of Valencia; R. Torres, R. Gonzalez-Pena, F. Arrizabalaga, J. Casana-Granelli; 10.04.2012, Rev Iberoam Fisioter Kinesiolog. 2011; 14(2):48–52

4. A demonstration of the positive influence of nano-photonic therapy

extracts of studies on cellular metabolism by the Fraunhofer Institute. Dr. Christiane Wetzel, Jessy Schönfelder, Dipl. Chem. - Fraunhofer Institute, Medical Applications of Electrostatic Beam and Plasma Technology (2011)

5. Observations in neurological patients with Parkinson's disease, multiple sclerosis, amyotrophic lateral sclerosis and restless leg syndrome during treatment with BCR therapy

Inge Metag, Keil City Hospital, 2008–2010

Publications

OUP – 09.2012



COMET – 10.2012



LUXAMED

HD2000

The new HD2000 model combines modern design with enduring quality and the practical application of scientific experience. With fifteen years' experience in the field, the manufacturer has built on the standards set by its predecessors, the Clinic-Master and the Vital-Master, as well as the findings of scientific research into the effectiveness of the treatment to create new and improved light therapy technology.

The perfect pain therapy system for clinics, doctors' offices and physiotherapists, it combines all the benefits of its predecessors with the latest discoveries in the field of medical science. The HD2000 is controlled by computer in ways that will be familiar from its predecessor, the HD1000. The light therapy device is equipped with a 15.6-inch multi-touch display an intuitive interface and easy, optimized integration the practice operations. The Luxxamed HD2000 meets the highest quality standards and is entirely "made in Germany" in accordance with ISO 9001 and ISO 13485.

This new model from Luxxamed represents the state of the art in pain therapy, combining portability with suitability for a wide range of applications based on scientific study. The ease of use and modern technology, as well as the medically approved trolley for portability, mean that the device can also be deployed in larger practices in an efficient, optimal manner in order to deliver light therapy in the treatment room where the patient is located.

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Germany**





LUXAMED

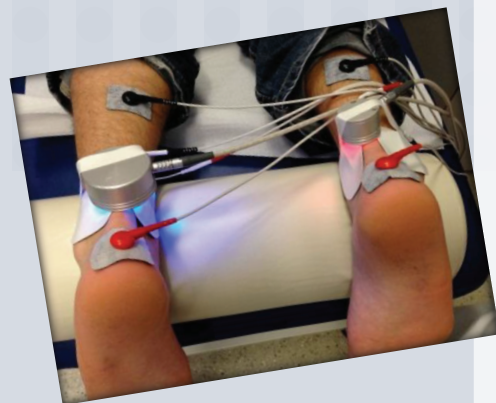
HD3000



Der Luxamed HD3000 is the latest model from Luxamed and combines the highest standards of clinically proven technology with total mobility. Physiotherapists and practitioners of sports medicine, as well as other clinical professionals in the professional sports field, will achieve the best treatment outcomes in pain therapy, while flexibility is assured through by the availability of different transportation options. Its predecessor models, the Clinic-Master and Vital-Master allowed for fifteen years of clinical experience to be collated and studies to be carried out – all of which fed into the development of the new HD3000 model. With new hardware and even better performance, the device has been optimized and tailored to meet the requirements that are of primary importance for treatment in professional sporting environments. The pain therapy system can be used in clinics, doctors' offices and physiotherapy practices and allows the results achieved in clinical studies to be replicated in everyday practice.

As with its predecessor, the Luxamed HD1000, the HD3000 is a computer-controlled pain therapy system. With its 15.6-inch multi touch display, the HD3000 offers an easy, intuitive interface. The device can be optimally integrated with the operations of the practice. It stands out from the field thanks to its portability and the corresponding increase in the range of potential applications. The Luxamed HD3000 can be deployed without any issues at the Davis Cup or the Federations Cup, at other ATP tennis tournaments or in other professional sporting environments. A specially designed trolley increases portability and allows the device to be transported in safety and to the highest standards.

The Luxamed HD3000 can be taken out of the trolley and is ready for use within thirty seconds. Thanks to its "Made in Germany" status, in accordance with the most stringent criteria of ISO 9001 and ISO 13485, it is an extremely high quality, high performance model built to the highest standards. Mobility, design and efficiency come together in this new Luxamed model and ensure optimal use in delivering pain therapy to professional sporting environments.



About us

Luxxamed GmbH is headquartered in Kassel in the north of Germany's Hessen region. We are the manufacturers and developers of the Luxxamed Therapeutic System and since 1999, we have developed and optimized particularly user-friendly therapeutic systems that operate at the cellular level, providing solutions to enable the various illnesses and pains that the body experiences to be understood with greater clarity.

Beginning in 1999

From 1999 to 2011 the Clinic-Master Professional by Walitschek Medizintechnik GmbH, a company led by Prof. Bernd Walitschek, was one of the most widely used BCR Therapy® systems in Europe. (BCR stands for "Biological Cell Regulation.") This therapeutic system was deployed in professional sports worldwide, for instance at the ATP Tennis Tour and the German Football League.

Research and Development

For many years, research and development has been carried out in the background (with the Fraunhofer Institute, among others) to refine the therapeutic design still further to make it even more successful and even easier to use. Product quality was always a priority during this research phase. The result was the Luxxamed HD 1000, which built on the success of the Clinic-Master and the Vital-Master. Nevertheless the medical and therapeutic philosophy that underpins the Luxxamed is somewhat different, with completely new options opening up for user and patient alike due to the application of cybernetic principle

Electro-cybernetic metabolic therapy

With the latest bio-cybernetic technology this system has the ability to learn the metabolic state of the tissue throughout the treatment process and automatically tailor its response to the various states.

- **Cybernetic technology makes it extremely easy to operate**
- **Cybernetic technology provides optimum results consistently**
- **Cybernetics technology reduces human error.**

ISO-Certification – our quality guideline for customer satisfaction

Under the leadership of Patrick Walitschek (CEO of Luxxamed GmbH) new research projects are already in the planning and execution phases. Luxxamed GmbH adheres to DIN EN ISO 9001 and DIN EN ISO 13485 for manufacturers of medical products and has an international orientation. The quality management system was reviewed and certified by the North German TÜV approvals body in the summer of 2014. In 2013 a hitherto unique comparison study ("A comparison of red and blue LED light as applied to human cells") was published in conjunction with the Fraunhofer Institute. This study examined the medical and biological effectiveness of Luxxamed's "nano-photonic therapy" and confirmed its postulated effects.

Based on established BCR therapy and motivated by the exceptional results of various clinical and laboratory-based studies and the confirmation reported by users, a uniquely successful therapeutic system has been successfully developed in conjunction with doctors and skilled electronic engineers and physicists.



"...It's not enough for us to have customers who are satisfied. We want our customers to be enthusiastic about what we do..."

Patrick Walitschek,
CEO of Luxxamed GmbH

Our partners:



For enquiries contact:

BCR-Therapie® (Singapore) Pte Ltd
9 Penang Road
#08-11 Park Mall
Singapore 238459
Tel: +65 6294 7146
Email: info@bcrtherapie.com



www.bcrtherapie.com

Visit our website.

Videos, Interviews and our testimonials.



Video – Overview of the device by
P. Walitschek, CEO of Luxxamed GmbH



Video – Deploying the Luxxamed in a
sports and rehab clinic in Prague



Video – Deploying the Luxxamed in an
orthopedic practice by Dr. Voracek, M.D.



Video – Deploying the Luxxamed in a physio-
therapy practice in the Heidelberg market



Video – Deploying the Luxxamed in a
clinic by Inge Metag, Physiotherapist from
Kiel, Germany