

Free and easy wound care

dermagold® - treating diabetic foot syndrome successfully

DUBAI - With dermagold®, MTS presents the first therapy system which specifically utilizes the biological effects of shock waves. In cooperation with TRT Tissue Regeneration Technologies, USA, MTS opens up a new field of therapy for wound management. Recent research proves superior efficacy of extracorporeal shockwave treatment (ESWT) in chronic diabetic skin ulcers than hyperbaric oxygen therapy (HBO).

The treatment does not require any anaesthesia. The broad surface distribution of the treatment energy

sibilities to treat diabetic skin ulcers. However, the treatment results of most of them are inconsistent and of limited success. Therefore the introduction of an effective and non-invasive treatment possibility for chronic skin ulcers is of extreme value.

In his study "Extracorporeal Shockwave Treatment for Chronic Diabetic Skin Ulcers" Professor Ching-Jen Wang from Chang Gung Memorial Hospital, Kaohsiung, Taiwan, evaluated the efficacy of ESWT in chronic diabetic skin ulcers compared to the standard of care HBO. The controlled study included 70 patients with diabetic skin ulcers that were divided into two groups. The patients of group 1 underwent shock wave therapy and were treated with the dermagold® device of MTS. The patients of group 2 received HBO treatment.



Foot ulcers are very common in diabetic patients

The impressive results and treatment efficacy of ESWT are detailed extensively and are clinically proven in the treatment of numerous orthopaedic indications.

Recent research results show that shock waves have highly beneficial effects on skin lesions. It is proven that tissue which is exposed to shock waves initiates the production of VEGF (vessel endothelial growth factor), which in turn activates the growth of new blood vessels. In addition, it has also been established that shock waves produce an antibacterial effect. The combination of these two effects initiates a healing process in skin lesions and stimulates the development of new tissue (Bioengineering).

with the dermagold® applicator significantly reduces the pain associated with shock wave treatment.

Approved indications

The dermagold® device is approved for the therapy of the following indications:

- ▶ non-healing, acute and chronic lesions
- ▶ post traumatic lesions
- ▶ post-operative healing disorders in soft tissue
- ▶ diabetic foot syndrome
- ▶ burns
- ▶ decubitus ulcers
- ▶ arterial and venous ulcers.

Many diabetic patients develop a diabetic foot problem during the course of their disease. The problem is mainly caused by a reduced blood supply which can result in a diabetic foot ulcer and may ultimately lead to the amputation of a toe or the foot. In fact any foot injury may have serious consequences for patients with diabetic skin ulcers. There are various surgical and non-surgical pos-

sibilities to treat diabetic skin ulcers. However, the treatment results of most of them are inconsistent and of limited success. Therefore the introduction of an effective and non-invasive treatment possibility for chronic skin ulcers is of extreme value.

With dermagold®, MTS presents the first shock wave system which specifically utilizes the biological effects of shock waves in healing processes.

dermagold®: First shock wave system for wound care

Intensive research has resulted in the development of a new shock wave applicator based on proven MTS technology (Advanced Shock Wave Technology). The clinically tested wide-focused applicator emits unique and mainly wide-focused shock waves that are specially designed for skin indications. To achieve optimal treatment results the energy volume and energy arrangement were matched to treat skin lesions.

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Where quality matters

Bauerfeind's products aim at active lifestyles

DUBAI - Bauerfeind - in the medical aids sector a name synonymous with quality. The company, which was founded in 1929, is one of the leading manufacturers of supports, orthoses, compression stockings, orthopedic insoles and prosthetic components.

The TRiactive® athletic insole was developed specially for the demands of active individuals. It has three density zones that are situated in order to the sport specific plantar pressure conditions. These functional zones are smoothly connected by the unique puzzle design to prevent irritations during the movement

Bauerfeind AG has approximately 1,800 employees and 12 subsidiaries in Europe and the United States. All products are made in Germany with some of the work done by hand.

Bauerfeind has developed numerous patented products and systems, including the VenoTrain® micro balance. This is the first medical compression stocking with integrated skin-care substances that care and protect the wearer's legs - it pampers the skin, promotes circulation in the wearer's legs and prevents varicose veins. And Image 3 D, a measuring and treatment system, is a testament to the company's ability to be innovative. This system makes it possible for retailers to digitally



Playing cool with TRiactive athletic insole.

pattern. TRiactive comes in three different versions: for running activities, for court related ball sports and for hiking and walking. Bauerfeind's polycentric prosthetic knee joint



GenuTrain active supports athletes' knees

JT20 enables adjustment between safe and dynamic geometries for the first time. This is very significant for the rehabilitation process of thigh and knee amputees. At the beginning of their rehabilitation it is important to have a high degree of stability. When the amputees become more mobile, they can adjust the joint simply and quickly by an orthopedic technician to provide a larger dynamic range.

Bauerfeind AG has been an official supplier of the German Olympic teams since 2001

measure customers' legs - without any skin contact - for a perfect fit.

Milestones

The development of the GenuTrain® active support was a milestone in the company's history. It was the first anatomically contoured knee support and it has now been on the market for 26 years. In 2007, the current generation of the Train® active supports was honored with two international awards: the 2007 iF product design award and the 2007 iF material award.

and will be providing orthopedic services in Beijing in 2008, as well. The knowledge gained from helping athletes is incorporated permanently into the development and optimization of our products, which in turn benefits all patients and customers.

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- Prosthesis and orthopaedic device constructions (for example: C-leg)
 - Paediatric orthopaedics
 - Myo-Electric Prosthesis
 - Rehabilitation technique constructions

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Individual care and high-class technology

The Schön Kliniken in Bavaria – hospitality and the best medical care for guests from the Arab World

DUBAI - Through constant improvements in quality, a high level of investment and an exemplary focus on patients' needs, the Schön Kliniken have gained a leading position in the German hospital sector over the last twenty years.

However, the Schön Kliniken do not only focus on the medical care of patients from Germany: a great number of foreign patients especially from countries in the

Arab world also come to the Schön Kliniken for treatment. Today, the Schön Kliniken are the most successful group of clinics in Germany in treating patients of Arab origin.

Four of a total of 14 Schön Kliniken – in Munich, Vogtareuth, Bad Aibling, and in Berchtesgadener Land, in the heart of Upper Bavaria – are experienced in the treatment of international patients and accompanying family members, especially patients from the Arab world. These

four clinics have specialized in a range of medical areas: acute medicine and rehabilitation, orthopaedic diseases of varying intensity, spinal surgery, cardiovascular surgery, intensive neurological rehabilitation

The staff at the Schön Kliniken have all received intercultural training; some are native speakers of Arabic, and all ensure a successful and pleasant stay.

Close cooperation with reliable

tal and Arabella Sheraton in Munich are further guarantees for excellent and top-quality accommodation for family members and accompanying persons.

If requested, the Schön Kliniken also provide a shuttle service, accommodation and a program of ac-

Facts and figures

The Schön Kliniken are a group of private German clinics (Schön family), which focus on orthopaedics, neurology, surgery, psychosomatics and internal medicine.

| | |
|-----------|-------------------------------|
| Clinics: | 14 |
| Beds: | 4000 |
| Staff: | ca. 6150 |
| Turnover: | ca. 413 million euros in 2007 |

activities for patients and accompanying persons.

Furthermore, dishes from the Arab world or private cooking facilities, prayer rooms, an interpreter service and all Arabic television programmes are also available.



The Schön Kliniken are famous for their hospitality towards patients from the Arab world.

for patients suffering from severe brain and head injuries, for example after strokes or serious accidents leading to brain and head trauma as well as psychosomatic disorders and lung diseases.

In order to ensure the best possible treatment and care for patients from the Arab world, the Schön Kliniken have been successfully working for many years with hospitals, doctors, health authorities and consultancies from the Gulf States as well as with international patient allocation agencies.

The Schön Kliniken have achieved an excellent reputation in the Arab world thanks to their top-class medical care and their friendly, sensitive, and hospitable service. The reasons for this success are: continuous professional development of globally acknowledged doctors and medical staff, the most up-to-date medical technology, certification according to international quality standards, and close cooperation and scientific exchange with leading universities.



Dr. Bernhard Völker, Consultant at the Clinic for Rehabilitation Medicine in the Vogtareuth Treatment Centre southeast of Munich, talking to an Arab patient.

partners and first-class hotels like the Intercontinental Resort in Berchtesgaden or the Mandarin Ori-

Find out more about the Schön Kliniken at www.schoen-kliniken.de.

Interview

Dr. Bernhard Völker, Consultant at the Clinic for Rehabilitation Medicine in the Vogtareuth Treatment Centre southeast of Munich, has many years of experience with Arab patients:

Dr. Völker, how long have you been treating Arab patients in Vogtareuth?

Dr. Völker: For 13 years now. To date, we have provided care and treatment for well over a thousand patients from all the Gulf States.

What diseases do you treat most often?

Dr. Völker: In the field of orthopaedics, we carry out rehabilitation after joint replacement surgery, for spinal disorders and slipped discs as well as after serious traffic accidents. In the field of neurology, we treat patients who have suffered from strokes, brain haemorrhages and paraplegia and we cover the entire large spectrum of neurological diseases. Furthermore we also provide rehabilitation after cardiovascular surgery.

On average, how long do Arab patients usually stay in your clinic?

Dr. Völker: Depending on the ill-

ness, it ranges on average from one to three months; in certain cases up to two years.

Why do so many patients from the Arab world go to Vogtareuth for treatment?

Dr. Völker: We have great respect for the culture and needs of our Arab patients. Our success is based on an atmosphere of tolerance and on our high-tech medical care. That is why so many of our patients are more than willing to give up the luxury of direct proximity to a city and spend time in the beautiful foothills of the Alps.

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Innovation in Wound Care

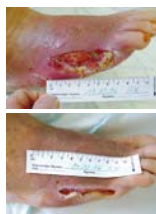
Shock waves activate the production of VEGF (vessel endothelial growth factor) and produce an antibacterial effect. These two effects initiate a healing process in skin lesions and the development of new tissue (Tissue Regeneration Technology).

Indications

- Post traumatic lesions
- Skin ulcers
- Burns
- Diabetic foot syndrome

Diabetic foot syndrome

- Prophylactic treatment for improved microcirculation
- Fast healing of ulcers
- Wound management after amputation



1. Toe amputation due to diabetic foot syndrome
2. Situation 8 weeks after shock wave treatment

welcome to new therapy dimensions



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