

ISMST

International Society for Medical Shockwave Treatment



13th International Congress of the ISMST

Hyatt Regency Chicago
151 East Wacker Drive
Chicago, IL 60601- USA



June 24th-26th, 2010

SCIENTIFIC PROGRAM

LETTER OF THE CONGRESS PRESIDENT AND ISMST PRESIDENT

Dear Colleagues,

Thank you for joining us for the 13th Annual ISMST Congress in Chicago, Illinois, USA from Thursday, June 24, 2010 – Saturday, June 26, 2010.

I attended my first ISMST Congress in Naples, Italy in 2000. At that Congress, I was introduced to wide ranging applications and research on ESWT. Previously, I thought it was something that treated heel pain. Never did I expect the breadth of medical applications that were being applied to ESWT nor the exhaustive research being performed on the technology. It was also at this conference that I was fortunate enough to become friendly with future ISMST Presidents Professor Wang (Taiwan) and Rob Gordon, MD (Canada).

As a result of that first international ESWT encounter, I became deeply involved with ESWT and started performing research, which ultimately led to the first U.S. publication on the benefits of ESWT and participation in three FDA studies on ESWT technology. I took it upon myself to promote ESWT in the U.S. as I was so impressed with its ability to treat difficult pathologies with little to no risk. I have been fortunate to be able to lecture on ESWT in the U.S. and internationally and have written extensively on the subject having contributed to papers and book chapters in English, Spanish and German. I have also been able to utilize ESWT on many professional athletes in Major League Baseball, National Football League, National Basketball Association, Major League Soccer and Olympic athletes.

The honour bestowed upon me as President of the ISMST is not one I take lightly. The ISMST is an amazing organization with selfless leaders Vinzenz Auersperg, Richard Coombs, Wolfgang Schaden, and Richard Thiele. My charge is to organize a Congress that will further the knowledge of ESWT to the ISMST membership, to medical practitioners who are not familiar with ESWT and its wide ranging applications and benefits, and to raise the consciousness of the American public, media and insurance companies. Our intent is to present pathology specific topics and the different treatment alternatives available to medical practitioners.

We have experts speaking on wide ranging treatment alternatives for pathology while weaving in the ESWT applications and research about those particular topics. While ESWT will be the focus of this Congress, other important treatment modalities including innovative surgical techniques will be highlighted.

The choice of Chicago as the host city is a great honour for us. Chicago is one of the great cities of the world. Located on the shores of Lake Michigan, it is one of the most picturesque cities with a skyline of skyscrapers that may not be paralleled in the world. Chicago is a city that offers something for everyone from impressive museums to world renowned architecture to famous shopping to outdoor activities and sports as well as theatre and of course music.

The month of June is one of the best months for weather in Chicago with warm temperatures and frequent sun. Additionally, many festivals are scheduled for June in Chicago including the most attended festival, "Taste of Chicago" which starts during the ISMST Congress and draws over one million people every year. We are also very proud of our hockey team, the Chicago Blackhawks being the 2010 Champions of the World in Hockey and winning the Stanley Cup.

We are so happy to have you here for this congress and please do not hesitate to ask me for any help or questions that you may have about the city during the congress.

Lowell Weil, Jr., DPM, MBA, FACFAS
President of the International Society for Medical Shockwave Treatment

LETTER OF THE CONGRESS VICE PRESIDENT

Dear Friends and Colleagues,

Thank you for joining us in Chicago for the 13th version of the International Society of Medical Shock Wave Therapy annual meeting. It will be a meeting like no others – the very best in shock wave therapy education, research, and technology.

One of the major themes of the 2010 version of the annual meeting will be practicality. In addition to traditional podium presentations, the 2010 meeting will offer case presentations on common musculoskeletal and medical disorders. Experts in various fields will share their pearls and wisdom regarding management of everyday problems. After previewing the speakers and topics, I can assure you the presentations will be lively, informative, and extremely practical.

I would also encourage you to bring your “A-game.” I will ask each of the session moderators to elicit audience participation. Studies have shown that learning is best when it is an active process. I want each of you to ask questions and share your clinical experiences so that we all can take home a few new tricks that will enhance our patient care.

Lowell and his team have put together an outstanding social program. Chicago is an incredible city....sports, culture, the arts, music, eclectic dining....you name it, this is a city that has something for everyone. Our hosts, the Weils, can provide us a true “insiders” perspective, one that will leave you longing for a return visit!

I look forward to seeing you in “The Windy City.” Expect world-class hospitality, state of the art presentations, an unforgettable social program, and lots of smiles, laughs, and eternal memories.

John P. Furia M.D.

Vice President of the 13th ISMST Congress, 2010

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THE ORGANIZING COMMITTEE

Lowell Weil Jr., DPM, MBA, FACFAS
President of the ISMST



John Furia, M.D.
Vice President of the ISMST Congress



Wendy Weil, DPM, FACFAS
2010 Congress Coordinator



Dr. Wolfgang Schaden
Scientific Assistance



Dr. Vinzenz Auersperg
General Secretary of the ISMST



Dr. Richard Thiele
Trade Coordinator of the ISMST



Wednesday, June 23rd

- 15:00 – 17:00 **Registration at the Hyatt Regency**
Chicago West Tower
- 16:00 – 18:00 **Meeting of the Managing Board**
Water Tower Room, Bronze level, West Tower
Hyatt Regency Chicago

Thursday, June 24th

- 07:00 **Registration**
Slide Center; Speaker Ready Room
Gold Level, West Tower (San Francisco Room)

GOLD LEVEL, WEST TOWER

- 06:30 – 08:15 **Industrial Exhibition; Exhibit Hall:**
Coffee, tea, juices, water.
- 08:25 – 08:35 **Opening Ceremony - Welcome:**

Lowell Weil Jr. (President of the ISMST)

John Furia (Vice Congress President)

Heinz Kuderna (Honorary ISMST-President)
- 08:35 – 08:40 **Tribute to Helmut Neuland**
Hans-Jürgen Duchstein (Germany)
- 08:40 – 08:50 **Historical Perspective of ESWT**
W. Schaden (Austria)
- 08:50 – 09:00 **History of EBM for ESWT**
L. Gerdesmeyer (Germany)

Session 1: Tendinopathies

Moderator: Vinzenz Auersperg

09:00 – 09:08 **Guest Lecture**

The use of radio frequency in the treatment of refractory tendinosis; clinical follow up and basic science

James Tasto, MD (USA)

Original Investigator of Topaz (Arthrocare)

09:08 – 09:16 **(1) Home training, local corticosteroid injection, or radial shock wave therapy for greater trochanter pain syndrome**

Jan D. Rompe, Neil Segal, Angelo Cacchio, John Furia, Antonio Morral, Nicola Maffulli (Germany, Italy, GB, USA)

Device and producing company: EMS Dolorclast

09:16 – 09:24 **(2) No effect of extracorporeal shockwave therapy in jumping athletes with patellar tendinopathy; a randomized controlled trial**

Johannes Zwerver, Inge van den Akker-Scheek, Fred Hartgens, Henk van de Worp, Evert Verhagen, Ron Diercks (Netherlands)

Device and producing company: Piezowave, Wolf

09:24 – 09:32 **(3) ESWT treatment protocols for jumper's knee: a worldwide survey**

Henk Van der Worp, Hans Zwerver, Inge van den Akker-Scheek (Netherlands)

09:32 – 09:40 **(4) Shockwave treatment for chronic patellar tendinopathy of the knee**

Re-Wen Wu, Ching-Jen Wang, Jih-Yang Ko (Taiwan)

Device and producing company: OssaTron (Sanuwave, Inc.)

09:40 – 09:48 **(5) Efficiency of shockwave treatment for pain reduction in the shoulder**

Erich Georgi, Thomas Georgi (Austria)

Device and producing company:

Orthowave 180, MTS Europe

09:48 – 09:56 **(6) Increasing the efficiency of RSWT, by optimizing the differential diagnostic strategy by means of a standardized orthopaedic assessment form**

Steven L.H. De Coninck (Belgium)

Device and producing company:

Shockmaster 500 - Gymna-Uniphyl

09:56 – 10:04 **(7) Effect of extracorporeal shock wave therapy on postoperative rotator cuff tendon healing - Preliminary results of a prospective study**

Sergio Russo, S. Russo, A. Cozzolino,

G. Della Rotonda, E. Astarita, A. Carretta,

M. Ciccarelli, R. Russo (Italy)

Device and producing company:

Storz Medical A.G.

10:04 – 10:20 **Discussion**

10:20 – 11:00 **Round Table I**

“General Aspects of Tendinopathies”

“How does ESWT improve treatment options?”

Moderator: John Furia

Tasto, Weil, Jr, Leal, Gerdesmeyer, Russo, Branes

11:00 – 11:30 **Coffee Break**

Session 2: Basic Research I

Moderator: Chin-Jen Wang, Sergio Russo

11:30 – 11:38 **(8) Monitoring cavitations during shockwave therapy**

Michael Chang, Marla Paun, Tom Matula (USA)
Device and producing company:
OssaTron (SanuWave), D-Actor 100
(Storz Medical), HD 11XE (Philips HealthCare)

11:38 – 11:46 **(9) Changes in connexine expression of cardiomyocytes after in vitro shock wave treatment**

Johannes Holfeld, Barbara Kapeller,
Can Tepeköylü, Fabian Hack, Barbara Thometich,
Julia Dumfarth, Daniel Zimpfer,
Wolfgang Schaden, Michael Grimm, Karin
Macfelda (Austria)
Device and producing company:
DermaGold CP-155 (Tissue Regeneration
Technologies, MTS Europe GmbH, Konstanz,
Germany)

11:46 – 11:54 **(10) Growth promoting effect of ESWT on primary cultured human tenocytes**

Maria Chiara Vulpiani, Mario Vetrano, Vincenzo
Visco, Federica D'Alessandro,
Maria Rosaria Torrisi, Andrea Ferretti (Italy)
Device and producing company:
Modulith® SLK, Storz Medical AG

11:54 – 12:02 **(11) Bactericidal effect of extracorporeal shock waves on an in vitro biofilm implant infection model**

Scott McClure, Matthew M. Madron,
Ronald Griffith, Chong Wong (USA)
Device and producing company:
Equitron, PulseVet, Alpharetta Georgia

12:02 – 12:10 **(12) Extracorporeal pulse activation on the mitochondrial function and nitric oxide release in LPS-treated chondrocytes**

Roger Lyon, XueCheng Liu, Jiang-Z. An,
Joseph Schwab (USA)

Device and producing company:
Duolith SD1®, CuraMedix Inc., MA

12:10 – 12:18 **(13) The effects of extracorporeal shockwave on subchondral bone and articular cartilage of the knee in rats**

Ching-Jen Wang, Lin-Hsiu Weng, Yi-Chih Sun,
Jih-Yang Ko, Ya-Ju Yang, Feng-Sheng Wang
(Taiwan)

Device and producing company: OssaTron or-
thotriaptor (High Medical Technology, Kruealigen,
Switzerland. Sanuwave, Alpharetta, GA, USA)

12:18 – 12:26 **(14) In vitro shock wave treatment –
How to apply shock waves onto cells**

Johannes Holfeld, Fabian Hack, Can Tepeköylü,
Julia Dumfarth, Daniel Zimpfer,
Wolfgang Schaden, Michael Grimm (Austria)

Device and producing company:
IVSWT water bath produced by Hohenegger
Technical Products (office@ing-hohenegger.at)

12:26 – 12:45 **Discussion**

12:45 – 14:15 **Lunch (Comiskey Room)**

Session 3: Plantar Fasciitis

ESWT and Alternative Treatments for Chronic Heel Pain

Moderator: John Furia, Jan-Dirk Rompe

- 14:15 – 14:23 **(15) Long-Term Ultrasonographic Evaluation of the Effectiveness of Extracorporeal Pulse Activated Treatment (EPAT) on Chronic Recalcitrant Plantar Fasciitis**
Robert Gordon, Charles Wong,
Eric Crawford (Canada)
Device and producing company:
Storz Medical Instruments
- 14:23 – 14:31 **(16) Successful Treatment of Chronic Plantar Fasciitis with Two Sessions of Radial Extracorporeal Shock Wave Therapy (RSWT®)**
Mahmoud Ibrahim, Robert Donatelli,
Christoph Schmitz, Madeleine Hellman,
Frederick Buxbaum (USA)
Device and producing company:
EMS Swiss Dolorclast® (EMS Electro Medical
Systems Corporation; Dallas, USA)
- 14:39 – 14:47 **(17) ESWT for the Treatment of Plantar Fasciitis: A Nine-Year Follow-Up**
Lowell Weil Jr., Kelly Ann Malinoski,
Lowell Scott Weil, Sr., Anthony Borrelli,
Wendy Benton-Weil (USA)
Device and producing company:
Orbasone (Orthometrix)
- 14:47 – 14:55 **(18) The Effectiveness of Radial, Extracorporeal Shock Wave Therapy for Patients with Chronic Plantar Fasciitis: Randomized controlled trial**
Ahmed Zaky Hussein, Mahmoud Ibrahim,
Robert Donatelli (USA)
Device and producing company:
EMS Swiss Dolorclast

14:55 – 15:03 **(19) Plantar stretching vs. radial SWT for acute plantar fasciopathy**

Jan D. Rompe, Angelo Cacchio, Joachim Haist, Volker Reiners, John Furia, Christoph Schmitz, Lowell Weil Jr., Nicola Maffulli (Germany, USA, GB)

Device and producing company:
EMS Swiss Dolorclast®

15:03 – 15:11 **(20) Focused shock wave therapy in chronic plantar heel pain a randomized Placebo controlled trial**

Ludger Gerdesmeyer, Hans W Gollwitzer, Amol Saxena, Louis Galli, Lawrence Didomenico, Richard T Bouche (Germany)

Device and producing company:
Storz Duolith 14:20 - 14:30

15:11 – 15:19 **(21) Retrospective ESWT Studies using Dornier Epos Ultra- a group submission**

David Harris Zuckerman, Denise Ashcraft (USA)

Device and producing company:
Dornier Epos Ultra- Dornier Medtech

Round Table II

“What to do for the 20% who fail?”

Moderator: Lowell Weil Sr.

15:11 – 15:30 **Guest Lecture**

Constructing a New Treatment Paradigm for Heel Pain via The staging and grading of Plantar Fasciopathy

Stephen Barrett (USA)

15:30 – 15:38 **(22) Topaz, radiofrequency coblation for the treatment of chronic plantar fasciitis. A Randomized, Double Blind Study**

Lowell Scott Weil, Sr. (USA) (Arthrocare)

15:38 – 15:46 **A randomized, prospective analysis of radiofrequency nerve ablation (RFNA) for the treatment of plantar fasciosis as an alternative to ESWT**
Adam Landsman (USA) (Neurotherm)

15:46 – 15:54 **Platelet Rich Plasma (PRP) for the Treatment of Tendonopathies of the Foot & Ankle**
Robert Fridman (USA)

15:54 – 16:15 **Discussion**
Barret, Landsman, Rompe, Auersperg, Moretti, Eid

16:15 – 16:45 **Coffee break** (Drinks, pretzels)

Session 4: Basic Research II

Moderators - M. Cristina d'Agostino, José Eid

16:45 – 16:53 **(23) Recruitment of endothelial progenitor cells after direct epicardial shock wave treatment of ischemic heart failure in rats**

Johannes Holfeld, Daniel Zimpfer, Raphael Rosenhek, Anita Thomas, Patrick Paulus, Julia Dumfarth, Seyedhossein Aharinejad, Wolfgang Schaden, Michael Grimm (Austria)
Device and producing company:
CardioGold® CG050 (CRT - Cardiac Regeneration Technologies, Woodstock, USA / manufactured by MTS-Europe GmbH, Konstanz, Germany)

16:53 – 17:01 **(24) Comparison of the effects of human mesenchymal stem cells cultured into osteoblasts by extracorporeal shock waves and dexamethasone**

Baijing An, Xing Gengyan (China)

17:01 – 17:09 **(25) Differentiation of mesenchymal stem cells by extracorporeal shock waves**

Joerg Hausdorf, Susanne Mayer, Tolga Goeren, Birte Sievers, Volkmar Jansson (Germany)
Device and producing company: XL 1, Dornier

17:09 – 17:24 **(26) Keynote Lecture:**

Stem and Progenitor Cells in Shock Wave Science

Johannes Holfeld (Austria)

17:24 – 17:35 **Discussion**

17:35 – 18:05 **Annual General Meeting**

19:30 – 21.30 **Party Cruise** Board Shuttle Buses
HYATT HOTEL WEST TOWER
18:00 – 19:00, LAST SHUTTLE
19:30 Kanan Cruise Line

Friday, June 25th

07:00 – 17:00 **Industrial Exhibition**

06:30 – 08:00 **Coffee, Juice - INTERNATIONAL SUITES**

Session 5: Miscellaneous I

Moderator: Heinz Kuderna, Carlos Leal

08:15 – 08:45 **Guest Lecture**

Advances in Cartilage Restoration

Preston Wolin, (USA)

08:45 – 08:53 **(27) Shockwave therapy response on para osteo arthropathies**

Paolo Buselli, Sara Messina, Valeria Coco, Vincenzo Bosco (Italy)

Device and producing company:
Ossatron OSA 140, Evotron - HMT s.r.l.

08:53 – 09:01 **(28) Shockwave therapy for mature heterotopic ossifications – A case report**

Michael Chang, Tom Matula (USA)

Device and producing company:
OssaTron (SanuWave)

09:01 – 09:09 **(29) Shock waves in the treatment of post-traumatic myositis ossificans**

Sara Messina, Paolo Buselli, Valeria Coco, Angela Notarnicola, Biagio Moretti (Italy)

Device and producing company:
Ossatron OSA 140, Evotron - HMT s.r.l.

- 09:09 – 09:17 **(30) Extracorporeal shock wave therapy in osteonecrosis of the talus**
Geng-Yan Xing, Zhan Shi (China)
Device and producing company:
Swiss DolorClast, EMS
- 09:17 – 09:25 **(31) Extracorporeal shock wave therapy combined with autograft of bone mesenchymal stem cells treatment of osteonecrosis of the femoral head**
Geng-Yan Xing, Zhan Shi (China)
Device and producing company: HKSW-O
(produced by Shenzhen Huikang China)
- 09:25 – 09:33 **(32) Shock wave therapy verses intramedullary screw fixation for nonunion of the proximal fifth metatarsal metaphyseal diaphyseal (Jones) fracture**
John Patrick Furia, Paul J. Juliano,
Allison M. Wade, Wolfgang Schaden,
Rainer Mittermayr (USA, Austria)
Device and producing company:
OssaTron® device (High Medical)
- 09:33 – 09:48 **(33) Extracorporeal shock-wave therapy compared with surgery for hypertrophic long-bone nonunions**
Jan-Dirk Rompe (Germany)
- 09:48 – 10:15 **Discussion**
- 10:15 – 10:45 **Coffee break** – Drinks, muffins, croissants
- 10:45 – 11:30 **Round Table III**
“ESWT in bone pathologies”
Moderator: Wolfgang Schaden (Austria)_
Wang, Thiele, Furia, Rompe

Round Table IV

Reimbursement For ESWT

11:30 – 11:50 **ESWT in the USA: Strategies for marketing and financial considerations for self pay patients**

Lowell Scott Weil, Sr.(USA)

11:50 – 12:30 **“Reimbursement for ESWT worldwide”**

Robert Gordon, (Canada) Wolfgang Schaden,
(Austria), (Jan-Dirk Rompe (Germany),
Sergio Russo (Italy), Henk Van der Worp,
(Netherlands)

12:30 – 14:00 **Lunch (Comiskey Room)**

Summer Garden Buffet

14:00 – 15:00 **“Town Hall Meeting”**

Open to Public and Press

Welcome

Lowell Weil, Jr (Chicago, USA)

President of the International Society for Shock-
wave Treatment

ESWT and Sports Medicine

John Furia, (USA)

ESWT and Innovative Treatments

Wolfgang Schaden, (Austria)

Session 6: ESWT and Pain Management

Moderator: Markus Gleitz, Richard Thiele

15:00 – 15:08 **(33) Focused low energy ESWT for treatment of bony spur and pain condition in disabled double amputee athlete**

Hannes Mueller-Ehrenberg,
Helmut G. Neuland (Germany)
Device and producing company:
Piezoson 100 plus, Wolf

15:08 – 15:16 **(34) Shockwave therapy in the management of complex regional pain syndrome in medial femoral condyle of the knee**

M. Cristina D'Agostino, Biagio Moretti,
Angela Notarnicola, Lorenzo Moretti,
Antonio Panella, Silvio Patella (Italy)
Device and producing company:
MiniLith SL1, Storz Italy

15:24 – 15:32 **(35) Watching a Walt Disney video before shock wave therapy reduces procedure related pain: a randomized controlled trial**

Antonio Morral, Jan D. Rompe, Reme Ruiz,
Lluís Costa, Mariano Fernández-Fairen, Bibiana
Torrent (Spain, Germany)
Device and producing company:
Swiss DolorClast (EMS-Switzerland)

15:32 – 16:15 **Round Table V
"Parameters for ESWT"**

Moderator: W. Schaden

Wang, Thiele, Gerdesmeyer, Rompe, Russo, Eid

Discussion

16:15 – 16:30 **Drinks & cookies**

17:30 – 18:30 **Exhibitor Forum** (Atlanta Room)

19:00 – 22:00 **House of Blues Event**
Dinner & Live Blues Band
walking distance from hotel

Saturday, June 26th

8:00 – 09:00 **Coffee, juices**

Session 7: Miscellaneous

Moderator: Richard Coombs, Rainer Mittermayr

08:30 – 08:38 **(36) Neurophysiological monitoring during shockwave therapy for elbow heterotopic ossifications**

Michael Chang, Tom Matula (USA)

Device and producing company:

OssaTron (SanuWave), Sierra Wave
(Cadwell Laboratory)

08:38 – 08:46 **(37) Correlation between total energy emitted and efficacy of ESWT**

Maria Cristina Ottone, Filippo Fagnani,

Emanuela Roli (Italy)

Device and producing company:

Piezoson 300 – WOLF

08:46 – 08:54 **Shockwave treatment for orthopaedic infections**

Richard Coombs, Moustafa Hafez, Milad Hanna,
Vipin Asopa (GB)

Device and producing company:

Modulith SLX-F2 Lithotripter, manufactured by
STORZ Medical

08:54 – 09:02 **(39) Mathematical modeling of shockwave therapy for osteomyelitis**

Kevin Seals, James Bryers, Michael Chang (USA)

Device and producing company:

OssaTron, SanuWave

09:02 – 09:10 **(40) Extracorporeal cardiac shockwave therapy in severe coronary artery disease unsuitable for percutaneous coronary intervention (PCI) and coronary artery bypass surgery (CABG) – a single center experience**

Morgan Mao-Young Fu, Ching-Jen Wang,
Hon-Kan Yip, Chiung-Jen Wu, Chu-Yuan Fang,
Sarah Chua, Chun-Jen Chen, Su-Ming Chen,
Wen-Hou Leu (Taiwan)

Device and producing company:
Medispec LTD, Israel

09:10 – 09:18 **(41) Extracorporeal shock wave therapy (ESWT) for chronic pelvic pain syndrome (CPPS) in a randomized placebo-controlled double-blind study: one year follow up results**

Reinhold P. Zimmermann, Alin Cumpanas,
Florin Miclea, Gunter Janetschek
(Austria, Romania)

Device and producing company:
Duolith, Storz Medical AG, Switzerland

09:18 – 09:26 **(42) Shockwave therapy in treatment of chronic bacterial prostatitis**

Boris A. Garilevich, Anton Rotov,
Alexandr Levkovsky (Russia)

Device and producing company:
Compact

09:26 – 09:50 **Discussion**

09:50 – 10:30 **Coffee break - Fruit, drinks**

Session 8: ESWT for Skin Treatment

Moderator: Ludger Gerdesmeyer,
Wolfgang Schaden

- 10:30 – 10:45 **Guest Lecture:**
Current trends in wound care
Adam Landsman, (USA)
- 10:45 – 10:53 **(43) Extracorporeal shockwaves in tissue specific regeneration of paw pad in canine – clinical observations**
Erling Pedersen (Denmark),
presented by Pawel Novak
Device and producing company:
StorzMedical Duolith SD1
- 10:53 – 11:01 **(44) Effects of shock wave therapy in the skin of patients with progressive systemic sclerosis: a pilot study**
Ernesto Amelio, Elisa Tinazzi, Claudio Guerra,
Claudio Lunardi (Italy)
Device and producing company:
Duolith SD1 - Storz Medical AG
- 11:01 – 11:09 **Summing-up of the experiences using defocused ESWT for chronic skin lesions in the trauma center meidling**
R. Mittermayr, M. Pusch, W. Schaden (Austria)
- 11:09 – 11:17 **(45) Blood perfusion and molecular changes in diabetic foot ulcers: Extracorporeal shockwave vs hyperbaric oxygen therapy**
Ching-Jen Wang, Yur-Ren Kuo, Re-Wen Wu,
June-Ming Chen, Rue-Tsuan Liu,
Feng-Sheng Wang (Taiwan)
Device and producing company:
derma PACE device (SANUWAVE,
Alpharetta, GA, USA)

11:17 – 11:45 **Discussion**

11:45 – 12:00 **Potential of ESWT for skin treatment**

Wolfgang Schaden (Austria)

12:00 – 12:30 **Combat wound initiative using ESWT and other unique treatments**

Colonel Alexander Stojandinovic, MD
United States Army

12:30 **Closing Ceremony**

Closing addresses:

Lowell Weil Jr. (Retiring President of the ISMST)

**Invitation to the 14th Congress of the ISMST
2010; Hamburg (Germany)**

Ludger Gerdesmeyer (New President of the ISMST)

14:00 – 16:30 **ATLANTA ROOM**

ESWT Course

14:00 – 16:30 **NEW ORLEANS ROOM**

Instructional course on ESWT:

Current indications in theory and practice

Markus Gleitz, Matthias Buch, Vinzenz Auersp