



The 22nd ISMST International Congress

23-26 May 2019 Beijing, China

Host

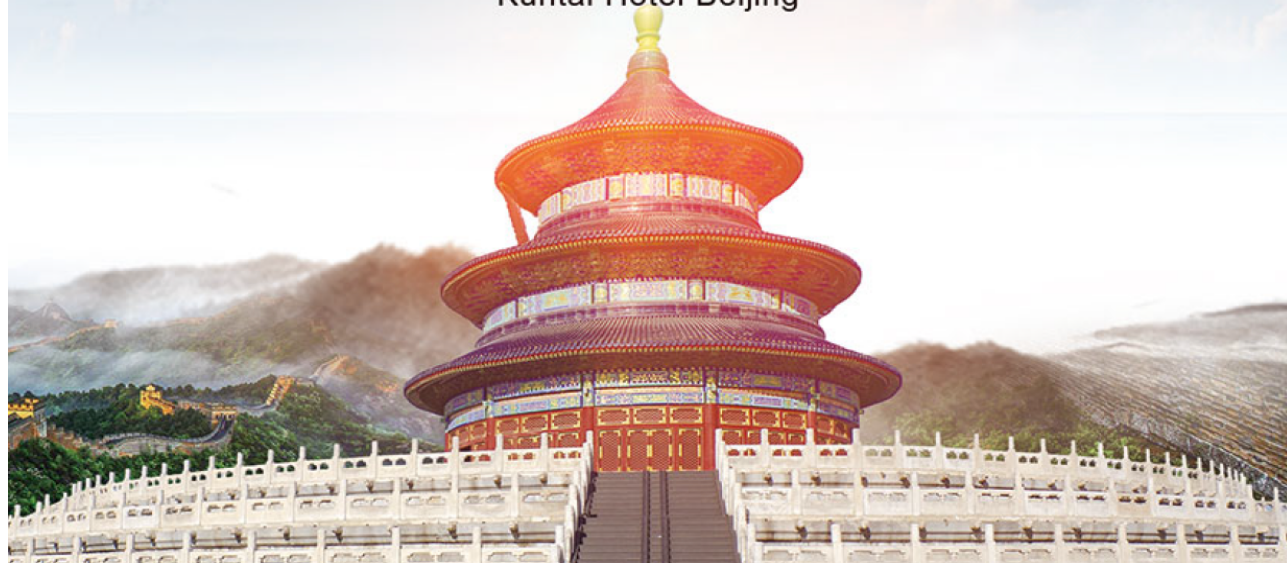
ISMST, CRHA

Undertaking

CRHA Shockwave Medicine Association,
General Hospital of CAPF

Place

Kuntai Hotel Beijing





ISMST Instructional Certification Course

Beijing / China, May 23rd, 2019

Dr. W. Schaden (Austria)/ Dr. D. Moya (Argentina) / Dr. Brian Wang (China)

08:00	Introduction (GY Xing / China, W. Schaden / Austria)	10'
08:10	Physical Principles (V. Auersperg / Austria)	25'
08:35	Biological Principles (W. Schaden / Austria)	25'
09:00	Basic Principles of Shockwave Application (J. Eid / Brazil)	20'
09:20	Demonstration of devices (Representatives of the companies)	25'
09:45	Break	15'
10:00	Approved Standard Indications 1: Calcifying Tendinopathy of the Shoulder (D. Moya / Argentina)	15'
10:20	Approved Standard Indications 2: Lateral Epicondylitis (S. Thiele/ Germany)	15'
10:40	Approved Standard Indications 3: Greater Trochanteric Pain Syndrome (S. Ramón / Spain)	10'
10:55	Approved Standard Indications 4: Patellar tendinopathy (C. Leal / Colombia)	10'
11:10	Approved Standard Indications 5: Achilles Tendinopathy (C. d'Agostino / Italy)	15'
11:30	Approved Standard Indications 6: Plantar Fasciitis (K. Freitag / Spain)	15'
11:50	Workshop (All instructors, all participants)	40'
12:30	Lunch Break 60'	

13:30	Empirically-Tested Indications (R. Aranzabal / Spain)	15'
13:50	Myofascial Treatment (H. Müller-Ehrenberg / Germany)	15'
14:10	Bone Indications – Non unions (W. Schaden / Austria)	15'
14:30	Bone Indications – Avascular necrosis (GY Xing / China)	15'
14:50	Skin & Aesthetics Indications (K. Knobloch/ Germany)	15'
15:10	Future Potential of ESWT (T. Nedělka / Czech Republic)	10'
15:25	ESWT Scientific Evidence (D. Moya / Argentina)	10'
15:40	Break	15'
15:55	Workshop (All instructors, all participants)	40'
16:35	Socio-Political and Economic Issues (K. Raveendran / Malaysia)	10'
16:50	Multiple Choice Test - Certificates	20'
17:10	End of the Workshop	

After each presentation 5 Minutes of discussion



XXII ISMST CONGRESS BEIJING 2019. Congress Committee

Prof. Xing Genyang - ISMST President

Dr. Wolfgang Schaden - ISMST Vicepresident

Dr. Jose Eid - ISMST General Secretary - Congress Chairman

Dr. Carlos Leal - ISMST Scientific Secretary - Program Chairman

Dr. Brian Wang - CRHA China

Natasa Pavkovic - Catherine Auersperg - ISMST Austria



FRIDAY MAY 24th

07:30--18:30		REGISTRATION & INDUSTRIAL EXHIBITION			
08:30--09:30		OPENING CEREMONY Chinese Society of Shockwave Treatments Chinese Research Hospital Asociation CRHA International Society for Medical Shockwave Treatments ISMST		Xing Genyang Wofgang Schaden Jose Eid	Chinese Officials CRHA Officials Tomas Nedelka Carlos Leal
09:30 --09:50		CRHA & CHINESE SOCIETY OF SHOCKWAVE TREATMENTS KEYNOTE OPENING SPEECHES Philosophical Thinking in the Treatment of Medical Shockwave—Interpretation of the Guide to Extracorporeal Shockwave Therapy for Chinese Orthomyopathy		Xing Genyang	
09:50 -- 10:10		ISMST KEYNOTE OPENING SPEECH The ISMST: Present Past and Future of ESWT in Medicine		 Wofgang Schaden	
10:10 -- 11:00 COFFEE BREAK & VISIT TO EXIBITS					
11:00		SESSION ONE REVIEW & ADVANCE		MODERATORS Roland Hamisultane / Jiri Nedelka / Xuewen Jia	
11:00-11:20		k1	KEYNOTE LECTURE Learning curves in extracorporeal shockwave therapy (ESWT)		
11:20 -- 11:30		P1	Efficacy and safety of extracorporeal shock wave therapy for orthopedic conditions: a systematic review on studies listed in the PEDro database	Christoph Schmitz	Munich Germany
11:30-11:40		P2	Deep calcification of the hip, as large as 1/3 of the hip head, reabsorbed with radial shock waves	Massimo Trimarchi	Messina Italy
11:40-11:50		P3	Treatment of High-Energy Extracorporeal Shock Wave to Improve Functional Outcome Of Rotator Cuff With Shoulder Stiffness	Jih-Yang Ko	Kaohsiung Taiwan
11:50 -- 12:00 DISCUSSION & ROUNDTABLE					
12:00 -- 13:30 LUNCH BREAK & VISIT TO EXHIBITS					

13:30		SESSION TWO ESWT PHYSICS & BIOLOGICS		MODERATORS Vinzenz Auersperg / CJ Wang / Wei Li	
13:30 -- 13:50		K2	KEYNOTE LECTURE Variable Sound-Fields of Electro-Hydraulic Extracorporeal Shockwave Applicators	Cyrill Slezak	Orem USA
13:50 -- 14:00	P4	Corrosion Resistance of Zn-Al-Mg Alloys with Hypoeutectic Microstructure		Guangrui Jiang	Beijing China
14:00 -- 14:10	P5	Comparison of Bone Tunnel And Cortical Surface Tendon-to-Bone Healing in a Rabbit Biceps Tenodesis Model		Hongbo Tan	Kunming China
14:10 -- 14:20	P6	One Session of Extracorporeal Shockwave Therapy Induced Modulation on Tendon Shear Modulus is Associated With Reduction in Pain		ZJ Zhang	Luoyang China
14:20 -- 14:30	P7	Long-term Functional Change of Cryoinjury Induced Detrusor Underactivity and Effects of Extracorporeal Shock Wave Therapy in a Rat Model		Yao-Chi Chuang	Kaohsiung Taiwan
14:30 -- 14:40	P8	Exposure of zebra mussels to extracorporeal shock waves demonstrates formation of new mineralized tissue inside and outside the focus zone		Christoph Schmitz	Munich Germany
14:40 -- 14:50	P9	Effect of shockwave on rabbit compound muscle action potential and neuromuscular junction		Liqing Yao	Kunming China
14:50 -- 15:00	P10	The Effect Extracorporeal Shockwave Therapy on Fungal Biofilms		Tyson Hillock	Orem USA
15:00 -- 15:20		DISCUSSION & ROUNDTABLE			
15:20 -- 15:40		COFFEE BREAK & VISIT TO EXIBITS			
15:40		SESSION THREE ESWT IN LOWER LIMB AND SPORTS		MODERATORS Cristina D`Agostino / Carlos Leal / Zhijie Zhang	
15:40 -- 16:00		K3	KEYNOTE LECTURE The Case For Clinical Reasoning vs. Clinical Evidence as the Main Driver for ESWT applications in Sports Medicine	Patrick O.L. Goh	Singapore Singapore
16:00 -- 16:10	P11	Effect of Waist Sports Injury Patients on the Ability to Restore Life by Shock wave-Ice-Kinesio (SIK) Combined Therapy		Zhuo Xu	Jilin China
16:10 -- 16:20	P12	Focused type Extracorporeal Shock Wave Therapy for Epiphysitis in Young Gymnasts		Toru Omodani	Chiba Japan
16:20 -- 16:30	P13	Extracorporeal Shock Wave Therapy for Chronic Achilles Tendinopathy in Runners		Nobuhiko Sumiyoshi	Chiba Japan
16:30 -- 16:40	P14	Radial extracorporeal shock wave therapy (rESWT) and focused extracorporeal shock wave fESWT in mid portion Achilles tendinopathy		Ludger Gerdesmeyer	Kiel Germany
16:40 -- 16:50	P15	Outcome predictors of ESWT for insertional plantar fasciitis		Haruki Odagiri	Kumamoto Japan
16:50 -- 17:00	P16	Extracorporeal shock wave therapy is effective in treating chronic plantar fasciitis		Gao Fuqiang	Beijing China
17:00 -- 17:10	P17	Clinical Study on the Effect of Extracorporeal Shock Wave on Pain and Functional Score of Calcaneal Pain		Hu Qinghai	Harbin China
17:10 -- 17:30		DISCUSSION & ROUNDTABLE			
18:00 -- 19:30		ISMST AGM MEETING			
19:30 -- 21:30		WELCOME PARTY			

SATURDAY MAY 25th

7:30--18:30		REGISTRATION & INDUSTRIAL EXHIBITION			
08:00		SESSION FOUR ESWT IN SHOULDER		MODERATORS Karin Freitag / Ludger Gerdesmeyer / Yunxia Li	
8:00 -- 8:20	K4	KEYNOTE LECTURE Radial extracorporeal shock wave therapy (rESWT) with the MP1 in insertional tendinopathy of rotator cuff arthropathy		Ludger Gerdesmeyer	Kiel Germany
8:20 --8:30	P18	Kartogenin Enhances Fibrocartilage Tissue Formation and Biomechanical Strength in a Rotator Cuff Repair Mouse Model	Hongbo Tan	Kunming	China
8:30 -- 8:40	P19	Intraosseus migration of rotator cuff calcifications	Daniel Moya	Buenos Aires	Argentina
8:40 -- 8:50	P20	Efficacy of Extracorporeal Shockwave Therapy on Calcified and Non-calcified Shoulder Tendinosis	Kuan Ting Wu	Kaohsiung	Taiwan
8:50 -- 9:00	P21	RSWT for Shoulder Calcific Tendinosis	Matthew David Becker	Coffs Harbour	Australia
9:00 -- 9:10	P22	Clinical Effect Analysis of Extracorporeal Shock Wave in the Treatment of Acromial Bursitis with High Quality Nursing	Yilin Wang	Harbin	China
9:10 -- 9:20	P23	Comparison of Clinical Control Study on Ultrasound-guided Extracorporeal Shock Wave Therapy for Myotenositis of Long Head of Biceps Brachii	Baolin Li	Harbin	China
9:20--9:30	P24	The Effect of Extracorporeal Shock Wave Therapy on pain and range of motion in Myofascial pain syndrome of shoulder. Quick and Easy check LD test	Jae Man Lee	Seoul	Korea
9:30 -- 10:00		DISCUSSION & ROUNDTABLE			
10:00 -- 10:20		COFFEE BREAK & VISIT TO EXIBITS			
10:20		SESSION FIVE ESWT IN SKIN, HAND AND ELBOW		MODERATORS Karsten Knobloch / Yindi Sun / Xiaojun Duan	
10:20 -- 10:40	K5	KEYNOTE LECTURE Frequence matters in facial radial ESWT – refinements for aesthetic anti-aging shockwave therapy		Karsten Knobloch	Hannover Germany
10:40 -- 10:50	P25	Extracorporeal shock wave therapy in the treatment of the chronic wound at dorsal of foot	Takuro Sugiyama	Fukuoka	Japan
10:50 --11:00	P26	Ultrasound-guided Extracorporeal Shock Wave Therapy and Blocking Therapy for Carpal Tunnel Syndrome	Guangdong Qu	Harbin	China
11:00 -- 11:10	P27	Clinical analysis of ultrasound guided extracorporeal shock wave combined with acupotomy for treatment of dorsal carpal ganglion cyst	Yijie Ye	Harbin	China
11:10 -- 11:20	P28	Extracorporeal shock wave therapy combined with floating needle in the treatment of lateral epicondylitis of humerus	Peng Liu	Harbin	China
11:20 -- 1140	P29	Shock Wave Therapy Combined With Wax Therapy in the Treatment of External Humeral Epicondylitis	Yong-liang Chen	Harbin	China
11:40 -- 1200		DISCUSSION & ROUNDTABLE			
12:00 -- 13:30		LUNCH BREAK & VISIT TO EXIBITS			

13:30		SESSION SIX ESWT IN CARTILAGE		MODERATORS Sergej Thiele / Kandiah Raveendran /Zhiying Feng	
13:30 -- 13:50		K6	KEYNOTE LECTURE Synergistic Effects of ESWT and Autologous Adipose-Derived Mesenchymal Stem Cells are better than Human Umbilical Cord Wharton's Jelly-Derived Mesenchymal Stem Cells in Osteoarthritis Knee	Ching-Jen Wang	Kaohsiung Taiwan
13:50 -- 14:00	P30	Extracorporeal shockwave therapy improves cartilage and bone repair on osteochondral defect in rat model		Jai Hong Cheng	Kaohsiung Taiwan
14:00 - 14:10	P31	Shockwave Targeting on Subchondral Bone Is More Suitable than Articular Cartilage for Knee Osteoarthritis		Wen-Yi Chou	Kaohsiung Taiwan
14:10 -- 14:20	P32	Extracorporeal shock wave treatment can normalize painful bone marrow edema in knee osteoarthritis		Gao Fuqiang	Beijing China
14:20 -- 14:30	P33	Extracorporeal shock wave therapy combined with ozone injection in the treatment of knee osteoarthritis		Pengfei Qi	Harbin China
14:30 -- 14:40	P34	The Study of the Effect and Mechanism of Extracorporeal Shock Wave on Knee Osteoarthritis - From Basic Research to Clinical Application		Zhe Zhao	Beijing China
14:40 -- 14:50	P35	Knee OA / A Case report from UK		Paul Hobrough	Hexham UK
14:50 -- 15:10		DISCUSSION & ROUNDTABLE			
15:10 -- 15:30		COFFEE BREAK & VISIT TO EXIBITS			
15:30		SESSION SEVEN ESWT IN REHABILITATION		MODERATORS Silvia Ramon / H. Müller-Ehrenberg / Yajun Liu	
15:30 -- 15:50		K7	KEYNOTE LECTURE Low back pain and ESWT - is there enough evidence for this novel indication?	Tomas Nedelka	Prague Czech Republic
15:50 -- 16:00	P36	Radial extracorporeal shock wave therapy (rESWT) with the MP1 in chronic low back pain		Ludger Gerdesmeyer	Kiel Germany
16:00 -- 16:10	P37	Traditional Joint Adhesion Mobilization、Muscle Energy Technique Combined with Shock Wave Therapy for Stiff Ankle		Liu Hui	Chengdu China
16:10 -- 16:20	P38	Treatment of Hypertonia in Multiple Sclerosis: Botulin Toxin Injection and radial Shockwave Therapy		Antonio Ammendolia	Catanzaro Italy
16:20 -- 16:30	P39	Long term assessment of effects of Shock Wave Treatment in children with Cerebral Palsy evaluated using Point Shear Wave Elastography		Carla Di Luise	Naples Italy
16:30 -- 16:40	P40	Different therapeutic effect of extracorporeal shockwave in spastic children with genetic or non-genetic etiology		Ka Kit Michael Siu	Kaohsiung Taiwan
16:40 -- 16:50	P41	Efficacy of radial SWT compared to botulinum toxin type A in the treatment of lowerextremity spasticity in patients with cerebral palsy		Christoph Schmitz	Munich Germany
16:50 -- 17:00	P42	Effectiveness of corticosteroid injections versus extracorporeal shock wave for treatment of hemiplegic shoulder pain		Jingjing Zhang	Shanghai China
17:00 -- 17:20		DISCUSSION & ROUNDTABLE			
17:20		SESSION EIGHT APPLICATION AND PRACTICE OF ESWT IN MEDICINE		MODERATORS Jose Eid / Tomas Nedelka / Qing Xie	
17:20 -- 17:40		K8	KEYNOTE LECTURE ISMST Abstract history revisited – an analysis from 2006 to 2018	Karsten Knobloch	Hannover Germany
17:40 -- 17:50	P43	Use of focused shockwaves in children under 18: is it justified to cross the limit?		Daniel Moya	Buenos Aires Argentina
17:50 -- 18:00	P44	Low energy ESWT and Acupuncture ,is it the right combination?		Jiri Nedelka	Prague Czech Republic
18:00 -- 18:20		DISCUSSION & ROUNDTABLE			

SUNDAY MAY 26th

08:00	SESSION NINE ESWT IN UROLOGY AND REPRODUCTIVE SYSTEM		MODERATORS Jose R Aranzabal / Dequan Wang / Liu Yang		
8:00 -- 8:20	K9	KEYNOTE LECTURE Effects of Low Intensity Extracorporeal Shockwave Therapy (LESWT) on Inflammatory Mediators and Central Sensitization on Capsaicin Induced Nonbacterial Prostatitis Model in Rats	Hung-Jen Wang	Kaohsiung	Taiwan
8:20 -- 8:30	P45	Unfocused Low Intensity Extracorporeal Shock Wave Therapy , Li-ESWT, for Nocturia and Erectile Dysfunction	Brent A. Sharpe	Flowery Branch	USA
8:30 -- 8:40	P46	Efficacy of Radial Extracorporeal Shock Wave Therapy for Chronic Pelvic Pain Syndrome	Dai Zhang	Shenyang	China
8:40 -- 8:50	P47	Treatment of complications of radiotherapy and brachytherapy with ESWT	Heriberto Bickmann	Luanda	Angola
8:50 -- 9:00	P48	Treatment of Renal Partial Staghorn Calculi in Children with Extracorporeal Shockwave Lithotripsy	Jianye Jia	Beijing	China
9:00 -- 9:10	P49	The extracorporeal shock wave apply to the latent myofascial trigger point in the abdomen for the primary dysmenorrhea	Li Tang	Shanghai	China
9:10 -- 9:30	DISCUSSION & ROUNDTABLE				
09:30	SESSION TEN ESWT IN BONE NON UNIONS AND OSTEOPOROSIS		MODERATORS Wolfgang Schaden / GY Xing / Yun Zhou		
9:30 -- 9:50	K10	KEYNOTE LECTURE Treatment of carpal scaphoid non-union using shock wave therapy: a thirty-year experience	Carla Di Luise	Naples	Italy
9:50 -- 10:00	P50	Shock wave treatment attempt for nonunion of femoral neck fracture	Xiantao. Chen	Luoyang	China
10:00 -- 10:10	P51	Extracorporeal shock wave therapy is efficient and safe in the treatment of fracture non-unions	Liang Haojun	Beijing	China
10:10 -- 10:20	P52	Extracorporeal shock wave therapy for medial tibial stress syndrome in adolescent athletes	Hidetaka Murakami	Fukuoka	Japan
10:20 -- 10:30	P53	Short-term effects of extracorporeal shock wave therapy on bone mineral density in postmenopausal osteoporotic patients	Lee Joon	Beijing	China
10:30 -- 10:40	P54	Experimental study of unfocused extracorporeal shock waves on bone of osteoporotic rats	Haochong Zhang	Beijing	China
10:40 -- 10:50	P55	Effects of Extracorporeal Shock Wave Therapy on Bone Morphometry and Serum Osteocalcin in Rats with Disused Osteoporosis	Shou-xiang Zhang	Harbin	China
10:50 -- 11:10	DISCUSSION & ROUNDTABLE				
11:10 -- 11:30	COFFEE BREAK & VISIT TO EXIBITS				
11:30	SESSION ELEVEN ESWT IN BONE MARROW EDEMA AND AVASCULAR NECROSIS		MODERATORS Daniel Moya / Wei Sun / Chongxia Wang		
11:30 -- 11:50	K11	KEYNOTE LECTURE Extracorporeal shock wave therapy in the treatment of primary bone marrow edema syndrome of the knee	Gao Fuqiang	Beijing	China
11:50 -- 12:00	P56	ESWT in primary knee bone marrow edema	Yu Dejun	Harbin	China
12:00 -- 12:10	P57	High-energy focused extracorporeal shock wave shortens the natural course of Bone Marrow Edema Syndrome of the Hip	Leilei Zhang	Luoyang	China
12:10 -- 12:20	P58	High-Energy Focused Extracorporeal Shock Wave Shortens the Natural Course of Bone Marrow Edema Syndrome of the Hip	Xiantao Chen	Luoyang	China
12:20 -- 12:30	P59	Clinical study on MRI-3D reconstruction technique and mechanical analysis to guide extracorporeal shock wave therapy and drilling decompression for ONFH	Yongming Xu	Beijing	China
12:30 -- 12:40	P60	Application of high-quality nursing function exercise in the rehabilitation of patients with early femoral head necrosis treated by extracorporeal shock wave	Sijiao Yu	Harbin	China
12:40 -- 12:50	P61	Indications of high-energy extracorporeal shock wave therapy for osteonecrosis of the femoral head	Xiantao Chen	Luoyang	China
12:50 - 13:10	DISCUSSION & ROUNDTABLE				
13:10 -- 13:30	Welcome to Vienna 2020 !		Wolfgang Schaden	Vienna	Austria
13:30 14:30	CLOSING CEREMONY				

POSTER PRESENTATIONS

FRIDAY MAY 24th -- SUNDAY MAY 26th

POS1		Pilot Trial, First Report Worldwide for Li-SWT (unfocused SoftWaves) For the Treatment of Testicles to Improve Testicular Size and Function	John Warlick	Woodstock	USA
POS2		Characteristics of pain changes in cases in which extracorporeal shock wave therapy was effective for chronic plantar fasciitis	Yuuki Matsuoka	Nagano	Japan
POS3		Treatment Outcomes of Extracorporeal Shock Wave Therapy on Patients with Lateral Epicondylitis – Treatment Efficacy by Occupation	Tazusa Matsuse	Saga	Japan
POS4		Effects of Shockwaves in symptomatic knee osteoarthritis	Roland Hamisultane	Juan Les Pins	France
POS5		Effects of focused extracorporeal shock wave therapy on calcific tendinitis by Gartner classification type	Shuichiro Sakai	Saga	Japan
POS6		ESWT on Osteonecrosis of Femoral Head : A >2000 hips single center experience	Wei Sun	Beijing	China
POS 7		Radial extracorporeal shockwave therapy before and after intraarticular platelet rich plasma injection in knee osteoarthritis : a case report	Arif Soemarjono	Jakarta	Indonesia