

THURSDAY APRIL 12th

8:30--17:00 REGISTRATION & INDUSTRIAL EXHIBITION					
9:00--9:20 OPENING CEREMONY Official opening with ISMST directives, Congress Committee, Local Government and Health Authorities					
9:20--10:30 SESSION ONE ESWT PHYSICS			MODERATORS Wolfgang Schaden / Ludger Gerdesmeyer		
9:20--9:30		ESWT & Cavitation	Pavel Novak	Tägerwilen	Switzerland
9:30--9:40		In-situ measurements of acoustic shock waves parameters: A comparison of in vivo and post mortem	Cyrill Slezak	Utah	USA
9:40--9:50		Pressure Source for Radial Pressure Waves Devices	Pavel Novak	Tägerwilen	Switzerland
9:50--10:10		KEYNOTE LECTURE Physics in ESWT / 2018	Vinzenz Auersperg	Linz	Austria
10:10--10:30 DISCUSSION & ROUNDTABLE					
10:30--10:50 COFFEE BREAK & VISIT TO EXHIBITS					
10:50--12:00 SESSION TWO ESWT IN LOWER LIMB TENDINOPATHIES			MODERATORS Ana Claudia de Souza / Keneth Craig		
10:50--11:00		Comparison of visual analogue scale (VAS) outcomes of extracorporeal shock-wave therapy-treated anterior and posterior plantar fasciitis	Benedict Tan	Singapore	Singapore
11:00--11:10		Observational Study of VAS and Plantar Fasciitis Thickness Outcomes in Patients Undergoing RSWT in Single Centre.	Mohamed Fadzil	Singapore	Singapore
11:10--11:20		Effect observation on the treatment of piriformis syndrome by the combination of dispersive shock wave combined with iso-long contraction relaxation technique	Yi-Ping Song	Beijing	China
11:20--11:30		Focused ESWT as a Treatment for Greater Trochanteric Pain Syndrome	Daniel Moya	Buenos Aires	Argentina
11:30--11:50		KEYNOTE LECTURE The Intramuscular tendon: How important is it?	Peter Brukner	Melbourne	Australia
11:50--12:00 DISCUSSION & ROUNDTABLE					
12:00 -- 14:10 LUNCH BREAK & VISIT TO EXHIBITS					
14:00--15:00 SESSION THREE ESWT IN NERVE			MODERATORS Cristina D`Agostino / Kandiah Raveendran		
14:00--14:10		Efficacy of high energy, focused ESWT in treatment of lumbar facet joint pain	Tomas Nedelka	Prague	Czech Republic
14:10--14:20		Six months follow up of shock wave therapy in children affected by hemiparetic cerebral palsy	Sergio Russo	Naples	Italy
14:20--14:30		Shock wave in spinal cord injury	David Hercher	Vienna	Austria
14:30--14:50		KEYNOTE LECTURE The impact of nerve graft phenotype and extracorporeal shock wave therapy on peripheral nerve regeneration	David Hercher	Vienna	Austria
14:50--15:00 DISCUSSION & ROUNDTABLE					
15:00--15:20 COFFEE BREAK & VISIT TO EXHIBITS					

15:20--16:30		SESSION FOUR OTHER APPLICATIONS	MODERATORS Jose Eid / Rainer Mittermayr		
15:20--15:30		How to improve outcome of ESWT in ligament pathologies	Ludger Gerdsmeyer	Kiel	Germany
15:30--15:40		Effect observation for treatment of impotence with extracorporeal shock wave and acupuncture	Tianyu Wu	Changchun	China
15:40--15:50		Efficacy and safety of extracorporeal shock wave therapy for acute and chronic soft tissue wounds	Li Zhang	Beijing	China
15:50--16:00		Update on ESWT in cellulite: A 2018 evidence-based metaanalysis	Karsten Knobloch	Hannover	Germany
16:00--16:20		KEYNOTE LECTURE Side effects and risks of shock wave therapy	Ludger Gerdsmeyer	Kiel	Germany
16:20--16:30 DISCUSSION & ROUNDTABLE					
16:30--18:30 ISMST AGM MEETING					
19:15---22:15 ISMST 2018 CULTURAL NIGHT At Congress Venue					

FRIDAY APRIL 13th

7:30--18:30 REGISTRATION & INDUSTRIAL EXHIBITION					
8:30--9:30		POSTER EXHIBITION WITH AUTHORS	Q&A		
09:30--10:50		SESSION FIVE ESWT IN UPPER LIMB TENDINOPATHIES	MODERATORS Wei Sun / Daniel Moya		
9:30--9:40		Effect of comprehensive nursing intervention combined with shock wave in the treatment of frozen shoulder	Ju-Si Jiao	Harbin	China
9:40--9:50		Evaluation of shock wave treatment effectiveness in combination with PRP in non-calcifying rotator cuff tendinopathy	Karin Freitag	Madrid	Spain
9:50--10:00		Prognostic factors for the outcome of extracorporeal shock wave therapy for calcific tendinitis of the shoulder	Wen-Yi Chou	Kaohsiung	Taiwan
10:00--10:10		Comparative outcomes of extracorporeal shock wave therapy for shoulder tendinitis or partial tears of the rotator cuff in athletes and non-athletes	Kuan Ting Wu	Kaohsiung	Taiwan
10:10--10:20		Electromagnetic transduction therapy and shockwave therapy in rotator cuff tendinopathy: a prospective randomised controlled trial	Ludger Gerdsmeyer	Kiel	Germany
10:20--10:40		KEYNOTE LECTURE Where does tendon pain comes from and what are the effects of pain management?	Jill Cook	Melbourne	Australia
10:40--10:50 DISCUSSION & ROUNDTABLE					
10:50--11:10 COFFEE BREAK & VISIT TO EXHIBITS					

11:10--12:20		SESSION SIX ESWT IN CARTILAGE & JOINTS	MODERATORS Sergio Russo / Jose Ramon Aranzabal		
11:10--11:20		Comparison of ESWT and Wharton's jelly mesenchymal stem cell for early osteoarthritis of rat knee	Ching-Jen Wang	Kaohsiung	Taiwan
11:20--11:30		The effects of extracorporeal shock wave therapy on knee osteoarthritis patients' pain and functions	Haruki Odagiri	Hotakubo	Japan
11:30--11:40		The pathological changes of the tidemark roughness and articular calcified cartilage zone in post-traumatic osteoarthritis after ESWT on different locations of rat knee	Jai-Hong Cheng	Kaohsiung	Taiwan
11:40--11:50		Extracorporeal shock wave therapy in osteonecrosis of femoral head	Wei Sun	Beijing	China
11:50--12:10		KEYNOTE LECTURE Molecular Changes after ESWT in Osteoarthritis			
			Ching-Jen Wang	Kaohsiung	Taiwan
12:10--12:20		DISCUSSION & ROUNDTABLE			
<p style="text-align: center;">12:20--14:20 LUNCH BREAK & VISIT TO EXHIBITS</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">12:30 -- 13:30 // ISMST Industry Meeting</p> </div>					
14:20--16.00		SESSION SEVEN ESWT IN BONE	MODERATORS Carlos Leal / Ching-Jen Wang		
14:20--14:30		One bone - two problems: Significance of ESWT in proximal and distal (joint) fracture disorders in the humerus	Frank Bätje	Hannover	Germany
14:30--14:40		Comparative study of ultrasonic guided extracorporeal shock wave in the treatment of nonunion of humeral fracture	Shou-Xiang Zhang	Harbin	China
14:40--14:50		One bone - two problems: Significance of ESWT in proximal and distal (joint) fracture disorders in the tibia	Frank Bätje	Hannover	Germany
14:50--15:00		Extracorporeal Shock Wave Therapy for Recalcitrant Stress Fracture on the Medial Malleolus and the Tarsal Navicular in Young Athletes	Kenji Takahashi	Funabashi	Japan
15:00--15:10		Extracorporeal shock wave therapy for stress fracture of 5th metatarsal	Tatsuya Takahashi	Funabashi	Japan
15:10--15:30		KEYNOTE LECTURE ESWT for bone non-unions 2018			
			Wolfgang Schaden	Vienna	Austria
15:30--15:40		DISCUSSION & ROUNDTABLE			
15:40--16:00		GUEST SPEAKER Treatment of Achilles Tendinopathy: What are we trying to achieve?	Bruce Twaddle	Auckland	New Zealand
<p>19:00---</p> <h2>ISMST 2018 AUCKLAND GALA NIGHT</h2> <p>Hobson Room - Alexander Park, Auckland Trotting Club</p>					

SATURDAY APRIL 14th

7:30--18:30	REGISTRATION & INDUSTRIAL EXHIBITION				
9:00--10:00	POSTER EXHIBITION WITH AUTHORS		Q&A		
10:00--11:10	SESSION EIGHT ESWT IN MUSCLE APPLICATIONS		MODERATORS Silvia Ramón / Thomas Nedelka		
10:00--10:20	KEYNOTE LECTURE Extracorporeal shock wave therapy (ESWT) in muscle indications- an evidence-based metaanalysis 2018	Karsten Knobloch	Hannover	Germany	
10:20--10:30	The effects of botulinum toxin type A combined with extracorporeal shock wave therapy on triceps spasticity in stroke patients	Haoyang Duan	Jilin	China	
10:30--10:40	Positive effects of extracorporeal shock wave therapy on spasticity in post-stroke patients: A updated systematic review	Fuqiang Gao	Beijing	China	
10:40--10:50	The use of radial shock wave therapy (RSWT) in the treatment of fibromyalgia	Paolo Sanzo	Ontario	Canada	
10:50--11:00	Tension Headache, Manual Therapy and ESWT	Jiri Nedelka	Prague	Czech Republic	
11:00-- 11:10	DISCUSSION & ROUNDTABLE				
11:10--11:30	COFFEE BREAK & VISIT TO EXHIBITS				
11:30--12:30	SESSION NINE PAST, PRESENT AND FUTURE OF SHOCKWAVE MEDICINE		MODERATORS Keneth Craig / Geng Yang Zing		
11:30--11:50	ESWT and soft tissue engineering - the next decade	Ludger Gerdsmeyer	Kiel	Germany	
11:50--12:10	The role of ESWT as part of tissue regeneration research and therapeutics	Carlos Leal	Bogota	Colombia	
12:10--12:20	The impact of ESWT in the past present and future of medicine	Wolfgang Schaden	Vienna	Austria	
12:20--12:30	ISMST 2019 BEIJING CONGRESS PRESENTATION	Geng Yan Xing	Beijing	China	
12:30--13:30	ISMST 2018 AUCKLAND CONGRESS CLOSING AND AWARDS CEREMONY				
14:30-- 16:45	ISMST 2018 AUCKLAND FAREWELL Rudi's Restaurant & Bar				

ISMST AUCKLAND 2018 PRESENTATION DATABASE

KEYNOTE LECTURES

SESSION 1		Physics in ESWT / 2018	Vinzenz Auersperg	Linz	Austria
SESSION 2		The Intramuscular tendon: How important is it?	Peter Brukner	Melbourne	Australia
SESSION 3		The impact of nerve graft phenotype and extracorporeal shock wave therapy on peripheral nerve regeneration	David Hercher	Vienna	Austria
SESSION 4		Side effects and risks of shock wave therapy	Ludger Gerdesmeyer	Kiel	Germany
SESSION 5		Where does tendon pain comes from and what are the effects of pain management?	Jill Cook	Melbourne	Australia
SESSION 6		Molecular Changes after ESWT in Osteoarthritis	Ching-Jen Wang	Kaohsiung	Taiwan
SESSION 7		ESWT for bone non-unions 2018	Wolfgang Schaden	Vienna	Austria
SESSION 8		Extracorporeal shock wave therapy (ESWT) in muscle indications- an evidence-based metaanalysis 2018	Karsten Knobloch	Hannover	Germany
GUEST SPEAKER LECTURE		Treatment of Achilles Tendinopathy: What are we trying to achieve?	Bruce Twaddle	Auckland	New Zealand

PODIUM PRESENTATIONS

Bone	1	One bone - two problems: Significance of ESWT in proximal and distal (joint) fracture disorders in the humerus	Frank Bätje	Hannover	Germany
Bone	2	One bone - two problems: Significance of ESWT in proximal and distal (joint) fracture disorders in the tibia	Frank Bätje	Hannover	Germany
Bone	3	Extracorporeal Shock Wave Therapy for Recalcitrant Stress Fracture on the Medial Malleolus and the Tarsal Navicular in Young Athletes	Kenji Takahashi	Funabashi	China
Bone	4	Comparative study of ultrasonic guided extracorporeal shock wave in the treatment of nonunion of humeral fracture	Shou-Xiang Zhang	Harbin	China
Bone	5	Extracorporeal shock wave therapy for stress fracture of 5th metatarsal	Tatsuya Takahashi	Funabashi	Japan
Bone	6	Extracorporeal shock wave therapy in osteonecrosis of femoral head	Wei Sun	Beijing	China

Cartilage	7	Comparison of ESWT and Wharton's jelly mesenchymal stem cell for early osteoarthritis of rat knee	Ching-Jen Wang	Kaohsiung	Taiwan
Cartilage	8	The effects of extracorporeal shock wave therapy on knee osteoarthritis patients' pain and functions	Haruki Odagiri	Hotakubo	Japan
Cartilage	9	The pathological changes of the tidemark roughness and articular calcified cartilage zone in post-traumatic osteoarthritis after ESWT on different locations of rat knee	Jai-Hong Cheng	Kaohsiung	Taiwan
Foot	10	Comparison of visual analogue scale (VAS) outcomes of extracorporeal shock-wave therapy-treated anterior and posterior plantar fasciitis	Benedict Tan	Singapore	Singapore
Foot	11	Observational Study of VAS and PF Thickness Outcomes in Patients Undergoing RSWT in Single Centre	Mohamed Fadzil	Singapore	Singapore
HIP	12	Focused ESWT as a Treatment for Greater Trochanteric Pain Syndrome	Daniel Moya	Buenos Aires	Argentina
ligament	13	How to improve outcome of ESWT in ligament pathologies	Ludger Gerdesmeyer	Kiel	Germany
Muscle	14	Positive effects of extracorporeal shock wave therapy on spasticity in post-stroke patients: A updated systematic review	Fuqiang Gao	Beijing	China
Muscle	15	The effects of botulinum toxin type A combined with extracorporeal shock wave therapy on triceps spasticity in stroke patients	Haoyang Duan	Jilin	China
Muscle	16	Tension Headache, Manual Therapy and ESWT	Jiri Nedelka	Prague	Czech Republic
Muscle	17	The use of radial shock wave therapy (RSWT) in the treatment of fibromyalgia	Paolo Sanzo	Ontario	Canada
Muscle	18	Effect observation on the treatment of piriformis syndrome by the combination of dispersive shock wave combined with iso-long contraction relaxation technique	Yi-Ping Song	Beijing	China
Neuro	19	Shock wave in spinal cord injury	David Hercher	Vienna	Austria
Neuro	20	Six months follow up of shock wave therapy in children affected by hemiparetic cerebral palsy	Sergio Russo	Naples	Italy
Neuro	21	Efficacy of high energy, focused ESWT in treatment of lumbar facet joint pain	Tomas Nedelka	Prague	Czech Republic
Physics	22	In-situ measurements of acoustic shock waves parameters: A comparison of in vivo and post mortem	Cyrill Slezak	Utah	USA

Physics	23	Cavitation	Pavel Novak	Tägerwilen	Switzerland
Physics	24	Pressure Source for Radial Pressure Waves Devices	Pavel Novak	Tägerwilen	Switzerland
Regeneration	25	The role of ESWT as part of tissue regeneration research and therapeutics	Carlos Leal	Bogota	Colombia
Regeneration	26	ESWT and soft tissue engineering - the next decade	Ludger Gerdesmeyer	Kiel	Germany
Regeneration	27	The impact of ESWT in the past present and future of medicine	Wolfgang Schaden	Vienna	Austria
Shoulder	28	Effect of comprehensive nursing intervention combined with shock wave in the treatment of frozen shoulder	Ju-Si Jiao	Harbin	China
Shoulder	29	Evaluation of shock wave treatment effectiveness in combination with PRP in non-calcifying rotator cuff tendinopathy	Karin Freitag	Madrid	Spain
Shoulder	30	Comparative outcomes of extracorporeal shock wave therapy for shoulder tendinitis or partial tears of the rotator cuff in athletes and non-athletes	Kuan Ting Wu	Kaohsiung	Taiwan
Shoulder	31	Electromagnetic transduction therapy and shockwave therapy in rotator cuff tendinopathy: a prospective randomised controlled trial	Ludger Gerdesmeyer	Kiel	Germany
Shoulder	32	Prognostic factors for the outcome of extracorporeal shock wave therapy for calcific tendinitis of the shoulder	Wen-Yi Chou	Kaohsiung	Taiwan
Skin	33	Update on ESWT in cellulite: A 2018 evidence-based metaanalysis	Karsten Knobloch	Hannover	Germany
Skin	34	Efficacy and safety of extracorporeal shock wave therapy for acute and chronic soft tissue wounds	Li Zhang	Beijing	China
Urology	35	Effect observation for treatment of impotence with extracorporeal shock wave and acupuncture	Tianyu Wu	Changchun	China

POSTER PRESENTATIONS

Bone	POS	Extracorporeal shock wave treatment of nonunion of posterior cruciate ligament avulsion fracture: A case report	Chin-Tsan Huang	Tainan City	Taiwan
Bone	POS	Use of ESWT in delayed union of the metacarpal bone fracture with infection: A case report	Haruki Odagiri	Hotakubo	Japan
Bone	POS	Extracorporeal shock wave therapy for tarsal navicular bone disorders	Hirofumi Tanaka	Saga	Japan
Cartilage	POS	3-D reconstruction technology assessment of the therapeutic effect of RSWT in osteochondral lesions of the talus	Jun Yang	Beijing	China

Cartilage	POS	Clinical efficacy of extracorporeal shock wave therapy on knee osteoarthritis using gait analysis	Yong-Ming Xu	Beijing	China
Elbow	POS	Clinical outcome of extracorporeal shock wave therapy in patients with lateral epicondylitis of the elbow	Hisao Shimokobe	Saga	Japan
Elbow	POS	Early effect of extracorporeal shock wave therapy for lateral epicondylitis: ESWT regenerates denatured tendon	Hisao Shimokobe	Saga	Japan
Elbow	POS	Autologous adipose tissue derived stromal cells (vascular fraction) combined with a platelet rich plasma scaffold for treatment of lateral epicondylitis: case report	Karin Freitag	Madrid	Spain
Foot	POS	Clinical analysis of ultrasound guided extracorporeal shock wave combined with acupotomy for treatment of dorsal carpal ganglion cyst	Shou-Xiang Zhang	Harbin	China
Foot	POS	Clinical observation on the treatment of bunion by dispersive shock wave	Yi-Ping Song	Beijing	China
Misc	POS	Insights into the Mechanism of a Novel Shock Wave-Assisted Needle-Free Drug Delivery Device Driven by in situ-Generated Oxyhydrogen Mixture Which Provides Efficient Protection Against Mycobacterial Infections	Akshay Datey	Bangalore	India
Misc	POS	Rare Indications, New Indications - Creative Shock Wave Therapy	Frank Bätje	Hannover	Germany
Muscle	POS	Focused shock wave therapy for myofascial pain in lumbosacral spine in athletes and ballet dancers	Sergey Pavlovich Mironov	Moscow	Russia