

2018 BLACK FOREST FORUM In SEOUL

“Application of
Galileo Mechano-Stimulation
& Leonardo Mechanography
In sarcopenia”

“Application of
Galilo Mechano-Stimulation
In Pediatrics”

19. - 21. October, 2018

19. Friday, 15:00 – 18:30

20. Saturday, 09:00 – 18:00

21. Sunday, 09:00 – 16:00

Hoam Faculty House, Seoul National University

Lecture

Prof. Dr. Med. Dieter Felseberg

Osteologist and Professor of Radiology and
Director of the Centre of Muscle and Bone
Research at Charité-University Medicine
Berlin, Campus Benjamin Franklin, Free
University and Humboldt University, Berlin
& Rheumapraxis Steglitz Karberg/Brandt,



Dr. Med. Martic Runge

Geriatric consultant Klinikum Esslingen,
former medical director of the Aerpah-
Clinic Esslingen



Directions



ISMNI

2018 Black Forest Forum for Musculoskeletal Interactions in Seoul

October 19.-21. 2018, Hoam Faculty House, Seoul National University

Organized by the International Society for Musculoskeletal and Neuronal Interactions

We are happy to invite you to 2018 Black Forest Forum and enjoy discussion together.

The forum is limited to the number of participants that will be accepted on a 'first come first serve' basis.

Lectures will be followed by an exhaustive discussion. The chairmen are asked to lend wings to the discussion and not to limit it.

The meeting is located in Hoam Faculty House, Seoul National University.

Planned themes:

Muscle-bone interactions,

Neuromuscular assessment,

Training interventions to improve neuromuscular function,

Connective tissue, tendon, fascia,

Presenters from many different fields are welcome

programs

Friday, 15:00 - 18:30

Application of Galileo Mechano-Stimulation & Leonardo Mechanography in Sarcopenia

15:00 – 15:15	Welcome & Introduction	
15:15 – 15:45	Neuromuscular effects of different mechano-stimulation frequencies – frequency ranges and their use in therapy and training	Dr.-Ing. Rainer Rawer (Novotec Medical, Germany)
15:45 - 16:25	Impact of exercise on bone loss in bed-rest	Prof. Dr. Med. Dieter Felsenberg (Charité-University Medicine Berlin)
16:25 – 16:40	Coffee Break	
16:40 – 17:00	The functional muscle-bone-unit	Dr.-Ing. Rainer Rawer (Novotec Medical, Germany)
17:00 – 17:40	Assessment of locomotor function over 10 years follow-up in robust elderly	Dr. Med. Martin Runge (Geriatric consultant Klinikum Essling)
17:40 – 18:00	Low jump power is associated with dysmobility syndrome in community-dwelling elderly individuals	Namki Hong, M.D., M.P.H. (Yonsei University College of Medicine)
18:00 – 18:30	Discussion	
18:30 –	Dinner	

Saturday, 09:00 - 18:00

Application of Galileo Mechano-Stimulation & Leonardo Mechanography in Sarcopenia

09:00 – 09:15	Welcome & Introduction	
09:15 – 09:45	Frequency ranges of mechano-stimulation and their use in therapy and training	Dr.-Ing. Rainer Rawer (Novotec Medical, Germany)
09:45 – 10:30	Impact of exercise on neuromuscular function	Prof. Dr. Med. Dieter Felsenberg (Charité-University Medicine Berlin)
10:30 – 10:50	Coffee break	
10:50 – 11:35	Frailty, sarcopenia, muscle function & vibration training	Dr. Med. Martin Runge (Geriatric consultant Klinikum Essling)
11:35 – 11:55	Evaluating threshold of jump power for sarcopenia and dysmobility syndrome in Korean older adults	Namki Hong, M.D., M.P.H. (Yonsei University College of Medicine)
11:55 – 12:15	Clinical application of the whole body vibration therapy in neurological and musculoskeletal disorders	Jaewon Beom, Prof. M.D., Ph.D. (Chungang University College of Medicine)
12:15 – 13:45	Lunch	
13:45 – 14:15	Background of jumping mechanography assessment of muscle function and its application in sarcopenia	Dr.-Ing. Rainer Rawer (Novotec Medical, Germany)
14:15 – 14:35	Effect of whole body vibration to lower extremities of elderly people	Byoungkwon Lee, Prof. Dr. Ph.D. (Konyang University)
14:35 – 14:55	Clinical application of whole body vibration in sarcopenic older adults.	Deoksu Sin, M.D., Ph.D. (Seoul Natl. University College of Medicine)
14:55 – 15:15	Coffee break	
15:15 – 15:45	Galileo study overview	M.A. Chris Baur (Novotec Medical, Germany)
15:45 – 16:05	Measurement methods on the muscle & bone unit - pQCT vs. DXA	Dr.-Ing. Rainer Rawer (Novotec Medical, Germany)
16:05 – 16:25	Muscle-bone interactions	Jonathan Williams (England)
16:25 – 16:45	Discussion	
16:45 – 18:00	Exercise & Workshop	
18:00 –	Dinner	

Sunday, 09:00 - 16:00

Application of Galileo Mechano-Stimulation in Pediatrics

09:00 – 09:15	Welcome & Introduction	
09:15 – 09:45	Frequency ranges of mechano-stimulation, their practical use in therapy and neuromuscular background	Dr.-Ing. Rainer Rawer (Novotec Medical, Germany)
09:45 – 10:15	Bone development and the influence of muscle function	Dr.-Ing. Rainer Rawer (Novotec Medical, Germany)
10:15 – 10:45	Study overview – Galileo mechano-stimulation in CP, scoliosis, duchenne, SMA	M.A. Chris Baur (Novotec Medical, Germany)
10:45 – 11:00	Coffee break	
11:00 – 11:20	Strategies for muscle preservation in cerebral palsy	Sangdeok Park. PT (Seoul Rehabilitation Hospital)
11:20 – 11:40	Cardiovascular & aerobic capacity effects in WBV	Wonseok Cha. PT (Seoul Rehabilitation Hospital)
11:40 – 12:00	Muscle characteristics of the cerebral palsy patients and therapeutic approach to them	Junho Park. PT (Seoul Rehabilitation Hospital)
12:15 – 13:30	Lunch	
13:30 – 15:30	Workshop	
15:30 – 16:00	Discussion	