

6. Black Forest Forum 2011 Program

Wednesday 11.5.2011

Workshop 13:00 – 18:00

Time	Principles of mechanics, muscle function and muscle bone unit Session 1	Chairman
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Thursday 12. 5. 2011 8:00 – 12:00

Time	Principles of mechanics, muscle function and muscle bone unit Session 2	Chairman
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6. Black Forest Forum Thursday 12.5.

	Paediatric Session	Chairman Frank Rauch
13:00 – 13:15	Welcome	Hans Schießl
13:15 – 13:45	Vertebral Fractures, Tibial Muscle-Bone Structural Changes and Muscle Hypo function in Children with Crohn's Disease	Leanne Ward
13:45 – 14:15	Growth and pQCT Bone Measures in Children and Grandchildren of Individuals with Hip or Knee Replacement	Bonny Specker
14:15 – 14:45	Boys with haemophilia have low trabecular bone mineral density and sarcopenia, but normal bone strength at the radius	Ondrej Soucêk
14:45-15:15	Is childhood type 1 diabetes a risk factor for an impaired bone mineralization during puberty	Inge Roggen
15:15 – 15:40	Coffee break	
15:40 – 16:00	Preliminary data from a pilot study on vibration in Duchenne muscular dystrophy	Ann-Charlott Söderpalm
16:00 – 16:20	Is Whole-body vibration training a safe and effective treatment option for children with Duchenne muscular dystrophy and SMA type III? – An interim report of a bicentric pilot study	Julia Vry
16:20 – 16:50	Whole body vibration in rats after spinal cord injury - a model for children with spina bifida	Oliver Semler

16:50 – 17:20	Decreased Muscle Function in Children with Neurofibromatosis Type I (NF1)	Christine Wey-Hocket,
18:00 – 19:00	Dinner	

Friday 13.5.2011

Time	Neuromuscular session	Chairman Albert Gollhofer
8:30 – 9:00	Reactive balance control under reduced load conditions	Albert Gollhofer
9:00 – 9:30	The effect of the vibration type, frequency, body position and additional load on the neuromuscular activity during whole body vibration	Ramona Ritzmann
9:30 – 10:00	Associations between kinetic parameters and cognitive performance in children with attention deficit hyperactivity disorder	Oliver Fricke
10:00 – 10:30	The weight bearing paraplegic arm	Yannis Dionyssiotis
10:30– 11:00	Coffee break	
11:00 – 11:30	Neuronal activity-dependent Homer accumulation at the human neuromuscular junction subsynaptic microdomain	Michele Salanova
11:30 – 12:00	Fourteen-month changes in volumetric BMD of radius and tibia upon antidepressant drug administration in young depressive patients	Prisca Eser
12:00 – 12:30	Sarcopenia and frailty – comprehensive assessment of structure and function	Martin Runge
12:30 – 13:00	10 years follow up of locomotor function, bone and muscle: Esslinger Longitudinal study of age-related normative values	Martin Runge
13:00	Lunch	
14:30 – 19:00	Excursion to Ritter Chocolate factory and museum Dinner at Mönchwasen Brewery	

Saturday 14.5.2011

Time	Muscle and Bone Function in Health and Disease I	Chairman Kate Ward
8:30 -8:50	'Latest Developments at JMNI'	Frank Rauch
8:50 -9:40	Structural analysis of the human tibia by serial pQCT – Evidence for three different zones of mechanical competence Part 1	Pepe Ferretti
9:40 – 10:10	Structural analysis of the human tibia by serial pQCT – Evidence for three different zones of mechanical competence Part 2	Pepe Ferretti
10:10 – 10:30	Coffee break	
10:30 – 11:00	Muscle bone relations in the lower leg	Elmar Anliker
11:00 – 11:30	Musculoskeletal phenotype & ethnicity: A review of insights from old and new studies	Kate Ward
11:30 – 12:00	Localised reductions in bone strength are associated with reduced muscle function: The SCOOP Study	Nicola Crabtree
12:00 – 12:30	Effect of Level of Farm Mechanization Early in Life on Bone Later in Life	Lacey McCormack
12:30 – 13:00	What is associated with bone parameters of healthy young men?	Hans Zmierzak
13:00	Lunch	
	Muscle and Bone Function in Health and Disease II	Chairman Bonny Specker
15:30 – 16:00	Population Differences in Rates of Change for pQCT Measures at the Radius in Adult Males	Howard Wey
16:00 – 16:30	Jumping mechanography and mechanical gait analysis: Reproducibility in healthy subjects and results in patients with osteogenesis imperfecta.	Louis-Nicolas Veilleux
16:30 – 17:00	Bone Health in Children with Neurofibromatosis Type 1 – A High Incidence of Abnormal Vertebral Morphology, Impaired Muscle Function and Altered Skeletal Geometry	Peter Simm
17:00 – 17:30	Evaluation of a High Resolution Motion Capture System for Small Displacement Recording and Its Applicability for <i>in vivo</i> Bone Strain Measurements	Pengfei Yang
17:30 – 18:00	Summary, Closing Remarks	

18:30 – 19:30	Dinner	
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