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Congress contributions.
OT World, May 14 - 17, 2024.

14.05.2024

Timetable	Topic	Presenter	Accepted as
10:30 – 11:45 *Hall 3/Room 3*	**Movement Analysis in Prosthetics and Orthotics – What Is Specific, What Should Be Noted, How Is It Done Properly?**	**Chair: Prof. Dr. Harald Böhm, Dr. Thomas Schmalz**	**Symposium**
	2D Video Analysis to Evaluate and Optimise Orthotic Treatment of Neuro-Orthopaedic Patients – What Needs to Be Considered during Application and Evaluation?	PhD Sonia D´Souza	
	Introduction to the Foundations of the Standard 3D Gait Model and the Challenges in Application with Orthoses	Prof. Dr. Harald Böhm	
	Limitations of Standard Models in Prosthetics and Presentation of a Problem-Adapted Solution with Initial Practical Results	Eva Pröbsting	
	A New Marker Model for Prosthetic Movement Analysis – Results of a Multicentre Study to Test Robustness and Reliability	Dr. Michael Ernst	
	What Must Be Observed when Assessing Mechanical Work and Performance of Prosthetics in 3D Gait Analysis?	Daniel Heitzmann	
12:00 – 13:00 *Hall 3/Room 2*	**(Use of outcome measures to support the reimbursement of orthopaedic fittings)**	**Arne Schlausch**	**Lecture**
14:30 – 15:45 *Hall 3/Room 2*	**Improvement in Walking Speed and Reduction in Falls and Risk of Falling after MP-SSCO Fitting (Results of the international C-Brace register)**	**Russ Lundstrom**	**Lecture**
14:30 – 15:45 *Hall 3/Room 3*	**Full body neuromodulation: Innovation in the treatment of pain and spastic movement disorders**	**Chair: Dr. Jennifer Ernst, Dr. Andreas Hahn**	**Symposium**
	Noninvasive multisite neuromodulation: the effects of wearable technology on functional principles of neural activity	Prof. Winfried Mayr Medical University Vienna	
	Practical experience with full-body electrostimulation.	Mona Seifert-Maciejczyk Seifert Technische Orthopädie GmbH	
	Effects of a full-body electrostimulation garment on symptoms of upper motor neuron syndrome in a cohort of subjects with cerebral palsy, multiple sclerosis, and stroke	Dr. Andreas Hahn	
	A multisite stimulation approach on motor functions and pain in MS and fibromyalgia - the French experience	Prof. Samar Ayache Paris-Est University	
	A Multisite Stimulation Approach - on Motor Functions in Stroke and Multiple Sclerosis (MS): the United Arab Emirates Experience	Prof. Naji Joseph Riachi Sheikh Shakhbout Medical City	

15.05.2024

15:15 - 16:30 *Room 1*	**Transfemoral Sockets – Proximal Brim and Alignment for Upper Body Stabilization**	**Prof. Malte Bellmann**	**Lecture**
15:15 – 16:30 *Room 4*	**(Standardized test methods for individual prosthetic sockets)**	**Andreas Leiniger**	**Lecture**
16:45 – 18:00 *Room 1*	**Desingning prostheses to meet user needs or to meet test requirements? New ISO10328 dynamic loads could serve both**	**Dr. Julius Thiele**	**Lecture**

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16.05.2024

Timetable	Topic	Presenter	Accepted as
12:00 – 13:00 *Foyer CCO/ Hall 3*	**Use of outcomes to achieve the "impossible" in the US healthcare system: Approval of microprocessor knees for patients with mobility grade 2**	**Dr. Andreas Kannenberg**	**Poster**
12:00 – 13:00 *Foyer CCO/ Hall 3*	**Scoping Review of the Evidence on Powered Prosthetic Ankle-Foot Components**	**Dr. Andreas Kannenberg**	**Poster**
12:00 – 13:00 *Foyer CCO/ Hall 3*	**A newly developed Outcome Measurement Instrument for the evaluation of prosthetic components: First practical test**	**Annika Dlugoszek**	**Poster**
12:00 – 13:00 *Foyer CCO/ Hall 3*	**(ISO/DIS 22675:2021 - Introduction of movement profiles depending on the intended use)**	**Sandra Voßler**	**Poster**
15:15 – 16:30 *Room 3*	**The Effect of Early COVID-19 Policy on a Multi-national Cohort of Individuals Dependent on Knee-Ankle-Foot Orthoses for Ambulation (C-Brace study)**	**Russ Lundstrom**	**Lecture**
15:15 – 16:30 *Room 4*	**Update: Modern Orthopaedic Treatment and Care for the Lower Extremity**	**Prof. Malte Bellmann**	**Lecture**
16:45 – 18:00 *Room 4*	**Effectiveness of A 3D-Printed Cranial Orthosis and parent's satisfaction: a post-market clinical follow-up study conducted on 452 infants**	**Pauline Seniow** **Benoit Ponsan**	**Lecture**

17.05.2024

13:00 – 14:30 *Room 2*	**Effects of prostheses on the gait pattern**	**Prof. Malte Bellmann**	**Lecture**
14:45 – 16:00 *Hall 3/Room 2*	**Microprocessor Stance and Swing Phase controlled Orthotics (MPSSCO): The current state of the evidence.**	**Chair: Prof. Rüdiger Rupp, Dr. Andreas Hahn**	**Symposium**
	Microprocessor Controlled Swing and Stance Orthosis: An overview of the evidence	Dr. Andreas Hahn	
	Use and Benefits of a Microprocessor-Controlled Orthotic Knee Joint for Patients with Neurologically Induced Knee Extensor Deficiency: A case report	Dipl.-Ing. Merkur Alimusaj	
	Microprocessor Stance and Swing Control Orthosis improves walking in knee-ankle-foot orthosis users: Results of a randomized crossover trial	Prof. Dr. Rüdiger Rupp	
	To participate or not to participate: that is the question	Dr. Bea Hemmen	
	Use of outcomes to achieve the "impossible" in the US healthcare system: Approval of microprocessor knees for patients with mobility grade 2	Dr. Andreas Kannenberg	
14:45 – 16:00 *Room 3*	**Strain on the Lower Back when Lifting Loads: Effect of an Exoskeleton and Different Lifting Strategies**	**Dr. Thomas Schmalz**	**Lecture**
14:45 – 16:00 *Room 3*	**Orthoses for Patients with Complex Weakness of the Lower Leg Muscles: Biomechanical Comparison of Different Concepts of the Academy of Osteopathy (AFO)**	**Dr. Thomas Schmalz**	**Lecture**