

Scientific Programme



Monday, 22 June 2015

	Time/Date	Title of Session	Room	Chair/Speaker
	10:15 – 11:30	Opening Ceremony & Knud Jansend Lecture	The Amphitheatre	Chapal Khasnabis Bengt Soderberg
1	12:00 – 13:15	SYMPOSIUM	Gratte Ciel 1/2/3	
		Additive manufacturing techniques and applications in customized O&P products		Javier Munguia Jari Pallari Jim Woodburn
3	12:00 – 13:15	Free papers: ORTHOTICS UPPER LIMB	Tete d'Or Lounge	
		<i>Chairs</i>		Kengo Ohnishi, tba
		1 Impact of Dynamic Orthotic Approach on Fine Motor Development in Cerebral Palsy		Tamer El-Saeed
		2 Compliance of hand orthosis in rheumatoid arthritis : A randomised, comparative, controlled study		Emilie Leblong- Lecharpentier
		3 A prospective cohort study on the subjective outcome of wrist splintage in patients with different severities of carpal tunnel syndrome based on electro diagnostic studies		Ching Yee
		4 Vacuum Positioning Method For Cad-Cam Manufacturing Of Hand And Ankle Foot Orthoses		Michael Ceder
		5 Exploring the solution space of hand assistive devices using an overall framework		Ronald Bos
		6 Robot-based hand motor therapy integrated with virtual reality for rehabilitation after stroke: a case report		Irene Azzolini
7 Tremor Control Mechanical Orthosis		Sohan Pal		
4	12:00 – 13:15	Free papers: P&O IN DEVELOPING COUNTRIES - SERVICE	Rhone 2	
		<i>Chairs</i>		Claude Simonnot, tba
		1 Experience of prosthetic and orthotic services for people with disabilities in an interdisciplinary physical rehabilitation team setting; post armed conflict context, Gaza.		Subhash Sinha

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		2	The role of community-based rehabilitation (CBR) in effective wheelchair service provision.		Nicky Seymour
		3	Physical Rehabilitation Centres Architectural Programming Handbook		Samuel Bonnet
		4	The International Committee of the Red Cross physical rehabilitation programme in Erbil (Iraqi Kurdistan Region):18 years of more than prosthetic and orthotic service delivery		Srood Suad Nafie
		5	Prostheses Foundation's Satellite Workshops: Right Solution for Sustainable Accessibility for Prosthetic Services in Thailand		M.L. Buddhibongsa Devakula
		6	New innovation in equipment for prosthetic and orthotic production from local available materials: Positive Cast Remover		Odom Teap
		7	Variables associated with patients satisfaction with low cost technology prosthetic and orthotic devices and service delivery in Malawi and Sierra Leone		Lina Magnusson
5	12:00 – 13:15	SYMPOSIUM		Rhone 3	
			Paediatric AFO design. Options and clinical benefits; Is there an optimal?		Paul Charlton Mark De Harde Elaine Owen Yvette Kerkum
6	12:00 – 13:15	Free papers: PROSTHETICS LL TRANS-TIBIAL COMPONENTS		Pasteur Auditorium	
			<i>Chairs</i>		Anton Johannesson, Tim Bach
		1	Can YOU Tell Which Foot is Which?		Silvia Raschke
		2	Pilot Study on the Socioeconomic Status: Pre and Post Lower Limb Amputation Among Philippine School of Prosthetics and Orthotics Patients at UERMMCI		Christine Joy Dee
		3	A novel prosthetic foot design leads to reduced peak loads of the sound side in unilateral trans-tibial amputees, preliminary results.		Daniel W. W. Heitzmann
		4	Adverse Effect of Improper Interface Pressure Distribution within Transtibial Prosthetic Socket		Arezoo Eshraghi
		5	Physiological and prosthetic ankle behaviour on cross-slopes		Coralie Villa
		6	Does postural control predict falling and the fear of falling in lower limb amputees?		Cleveland T. Barnett
	7	A comparison between Pelite, Dermo and Seal-In X5 interface systems in transtibial amputees: assessing interface pressure between the residual limb and socket		Sadeeq Ali	

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7	12:00 – 13:15	SYMPOSIUMS		Forum 3	
			Osseointegration: Past, present and New Innovations		<i>Munjed Al Muderis</i> Horst Aschoff Henk Van De Meent
8	12:00 – 13:15	SYMPOSIUMS		St. Clair 3	
			Development of P&O Services in Africa: National Initiatives		Girma Bireda Mebarek Bourennane Thomas Leblanc Faridu Msangi <i>Timothee Pakouyowou</i>
9	12:00 – 13:15	SYMPOSIUMS		Salon Pasteur	
			Applications of best available evidence in O&P: what can we learn from systematic reviews?		Michael Dillon Stefania Fatone Brian Hafner <i>Nerrolyn Ramstrand</i>
10	12:00 – 13:15	INSTRUCTIONAL COURSE		Prestige Gratte Ciel	
			The evolution of a higher education curriculum in prosthetics rehabilitation 2005-2015		Sarah Day <i>Sarah Deans</i> Anthony McGarry Kevin Murray
12	14:30 – 15:45	INSTRUCTIONAL COURSE		Tete d'Or 1&2	
			Three dimensional computerized gait analysis: understanding the methods used in research publications on prosthetic and orthotic outcomes		Andrea Giovanni Cutti Jason Highsmith <i>Michael Orendurff</i>
13	14:30 – 15:45	Free papers: EVIDENCE BASED PRACTICE 1		Tete d'Or Lounge	
			<i>Chairs</i>		<i>Tjerk De Ruiter, tba</i>
		1	Reliability of self-reported outcome measures in people with lower limb loss: implications to clinical care and research		Brian Hafner

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		2	Construct Validity of the Prosthetic Limb Users Survey of Mobility (PLUS-M)		Ignacio Gaunaurd
		3	Equivalence of electronic and paper administration for four self-report instruments used in prosthetic clinical care		Sara Morgan
		4	Prosthetists' confidence administering outcome measures		Susan Spaulding
		5	Profiling Cognitive Functions in People with Lower Limb Amputations in a Prosthetic Rehabilitation Programme		Richard Lombard Vance
		6	A Scoring Tool To Predict Functional Outcome In Lower Limb Amputees (Blart) - A Pilot Study		Pip Russell
		7	Assessing the test-retest reliability of the Lower Limb Function Questionnaire (LLFQ)		Jan Andrysek
		Free papers: P&O IN DEVELOPING COUNTRIES: COMPONENTS		Rhone 2	
		<i>Chairs</i>			<i>Achille Otou, tba</i>
		1	Jaipur Knee- Remobilizing Transfemoral Amputees In India And The Developing World		Pooja Mukul
		2	A low-cost prosthetic foot based on a leaf spring design		Felix Starker
		3	Resourceful Innovation for O&P Design and Manufacturing in Developing Countries		Raymond Pye
		4	Temporary lower limb prosthesis fitting in emergency context in a global multidisciplinary approach by the physical rehabilitation team by Handicap International		Eric Weertz
		5	Evaluating Impact and Effectiveness of the ReMotion Knee - An Affordable Polycentric Prosthetic Knee		Vinesh Narayan
		6	Development of a Variable Stiffness Locally Adjustable and Repairable Low-Cost Energy Storage and Return Carbon Fiber Prosthetic Foot: A Feasibility Study		Roger V. Gonzalez
		7	Appropriate liner technology for low income and post war countries		Antony Mcgarry
		SYMPOSIUM		Rhone 3	
15	14:30 – 15:45	Bone-anchored prosthesis: update in international developments			Munjed Al Muderis Laurent Frossard Kerstin Hagberg Henk Van De Meent Mark Pitkin Kent Bachus

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16	14:30 – 15:45		Free papers: PROSTHETICS LL & GAIT ANALYSIS	Pasteur Auditorium	
			<i>Chairs</i>		Carlo Frigo, Xavier Bonnet
			1 The Functional Lower-Limb Amputee Gait Assessment		Robert Gailey
			2 Pelvic and Spinal Motion during Walking in Persons with Transfemoral Amputation with and without Low Back Pain		Stefania Fatone
			3 Effects of socket alignment combinations on minimizing gait deviations of long-term unilateral trans-femoral prosthetic users.		Nikolai Santos
			4 Walking speed and Oxygen Consumption of a Unilateral Hip Disarticulation Amputee during Level Walking Using a C-leg vs a Genium		Lynsey Duff
			5 Use of gait lab 3D motion capture for dynamic assessment of amputee socket interface biomechanics – a preliminary study		Jinghua Tang
			6 Effect of Ankle Immobilization on Able-Bodied Gait as a Model for Understanding Bilateral Amputee Gait		Steven Gard
7 Kinematics, kinetics and Gait Profile Score in highly functioning amputees		Richard Baker			
17	14:30 – 15:45		SYMPOSIUM	Forum 3	
			Enhancement of Orthotic Management to Adolescent Idiopathic Scoliosis		Edmond Lou Qian Wang M.S. Wong
18	14:30 – 15:45		SYMPOSIUM	St. Clair 3	
			Minimizing metabolic strain in prosthetic ambulation: translating research into practice.		Joseph Czerniecki Han Houdijk Daphne Wezenberg
19	14:30 – 15:45		SYMPOSIUM	Salon Pasteur	
			Blended Learning Education in P&O		Tim Flannagan William Neumann Katarina Ristic Christian Schlierf
21	16:15 – 17:30		SYMPOSIUM	Gratte Ciel 1/2/3	
			People or procedures? Towards a better understanding of amputation incidence.		Michael Dillon Lauren Fortington Anton Johannesson

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					Jaap van Netten
22	16:15 – 17:30		SYMPOSIUM	Tete d'Or 1&2	
			Elements of an evidence-based training program for upper limb prosthetics		Raoul M. Bongers Sietske Romkema C. K. Van der Sluis Ludger Van Dijk
23	16:15 – 17:30		Free papers: ORTHOSIS- NEUROLOGICAL	Tete d'Or Lounge	
			<i>Chairs</i>		Sumiko Yamamoto, Steven Hale
		1	Development of a device to feedback assistive moment by an oil damper ankle-foot-orthosis during gait and its effect		Sumiko Yamamoto
		2	Effect of posterior leaf-spring ankle foot orthosis on cognitive demand during walking		Helena Burger
		3	Influence of orthotic gait training with powered hip orthosis on walking in paraplegic patients		Mokhtar Arazpour
		4	Design Of A Smart Ankle Foot Orthosis For People With Paretic Ankle Muscles		Dymphy Van der Wilk
		5	The next step will leave the print: towards a new generation of robotized orthosis for gait recovery and support.		Maurizio Petrarca
6	A comparison of the mechanical properties between different percentage layups of a single style, carbon fibre AFO.		Elaine Figgins		
24	16:15 – 17:30		Free papers: EDUCATION	Rhone 2	
			<i>Chairs</i>		Wes Pryor, Dan Blocka
		1	Graduates' perceptions of education at the Tanzania Training Centre for Orthopaedic Technologists and their profession		Lina Magnusson
		2	An evaluation of Indian and Nepali graduates from a mid-level therapist program, focusing on: graduate's skills; professional development; and the impacts on service users.		Emma Tebbutt
		3	The UK International Emergency Trauma Register (UKIETR) provides specialist amputee rehabilitation training to local staff in Gaza following the 2014 conflict		Mary Jane Cole
		4	Current Indication in trauma for cause of amputation in Pakistan		Amir Shahzad
5	Tatcot Contributions And Success In Prosthetic And Orthotic Training		Longini Mtalo		

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		6	Students' expectation in prosthetics and orthotics education program: Sirindhorn School of Prosthetics and Orthotics, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand		Sirirat Seng-iad
		7	Quality Procedure of Students Recruitment to an ISPO Category II Recognized Program		Ahmad Aziz
25	16:15 – 17:30	SYMPOSIUM		Rhone 3	
		Multi-disciplinary approach to conservative management of scoliosis in O&P hospital			Andrea Cerna Tatiana Francova Emil Huraj Miroslava Kormanova
26	16:15 – 17:30	Free papers: PROSTHETICS LL OSSEOINTEGRATION		Pasteur Auditorium	
		<i>Chairs</i>			Harmen Van De Linden, Magnus Lilja
		1	Outcome measures following implanted electrodes in an osseointegrated trans-humeral patient		Kerstin Caine-Winterberger
		2	Implant loading during walking and riding a stationary bicycle with a bone-anchored transfemoral prosthesis - a pilot study using the iPec instrument		Eva Haggstrom
		3	Loading compliance of static load bearing exercises performed by transfemoral amputees fitted with an osseointegrated implant.		Sofie Vertriest
		4	Transcutaneous Bone-Anchoring Prosthesis With Knee Replacement: A Novel Treatment For Amputees		Aditya Khemka
		5	Transcutaneous Bone-Anchoring Prosthesis With Hip Replacement: A Novel Treatment For Amputees		Munjed Al Muderis
		6	Safety of the Transcutaneous Bone Anchoring Prosthesis – Osseointegrated Prosthetic Limb		Munjed Al Muderis
		7	Osseointegrated Prosthetic Limb for Amputees - Our First Hundred Cases.		Aditya Khemka
27	16:15 – 17:30	SYMPOSIUM		Forum 3	
		Over 20 Years of Microprocessor-Controlled Knees – What's the State of the Science?			Andrea Giovanni Cutti Jason Highsmith Andreas Kannenberg Marc Kraft
28	16:15 – 17:30	SYMPOSIUM		St. Clair 3	
		Holistic Approach to Exercise and Health for Amputees			Kate Lancaster Marlene Schoeman

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					<i>Siobhan Strike</i> Ross Wadey
29	16:15 – 17:30		SYMPOSIUM	Salon Pasteur	
			Health Economics – is that important?		Thor-Henrik Brodtkorb <i>Kerstin Hagberg</i> Elisabeth Hansson
30	16:15 – 17:30		Free papers: PROSTHETICS LL GENERAL	Prestige Gratte Ciel	
			<i>Chairs</i>		<i>Saffran Moeller, Laura Burgess</i>
			1 Ability of gait speed to predict prosthetic walking potential following lower limb amputation; a descriptive study		Heather Batten
			2 Long term locomotor function in individuals with lower limb amputation following discharge from rehabilitation.		Caroline E. Roffman
			3 Restoration of walking ability in the early stages after transfemoral amputation. Preliminary results of an ongoing trial.		Erik Prinsen
			4 Meta-analysis of metabolic cost of amputee walking shows only a marginal improvement in cost when using ESR feet compared to conventional SACH feet		James Gardiner
			5 Results of biomechanical tests during running with a hydraulically controlled sports prosthesis		Thomas Schmalz
			6 Effect of Structural Modifications on Mechanical Properties of a Novel Prosthetic Foot Keel		Tim Bryant
7 Effect of Cosmetic Cover on Mechanical Properties of a Prosthetic Foot System		Tim Bryant			

Tuesday, 23 June 2015

31	9:00-10:15		SYMPOSIUM	Gratte Ciel 1/2/3	
			Training and Fitting Amputees during Situations of Daily Living		Xavier Bonnet Isabelle Loiret <i>Jean Paysant</i> Helene Pillet Coralie Villa

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32	9:00-10:15		SYMPOSIUM	Tete d'Or 1&2	
			Microprocessor controlled prosthetic feet – How do patients benefit from currently available technologies?		Bjorn Altenburg Malte Bellmann Bernhard Greitemann Michael Orendurff
33	9:00-10:15		INSTRUCTIONAL COURSE	Tete d'Or Lounge	
			Sports Prosthetics and Training: How to Get Your Patients Back in the Game!		Robert S. Gailey Peter Harsch Knut Lechler
34	9:00-10:15		Free papers: QUALITY OF LIFE: AMPUTEE	Rhone 2	
			<i>Chairs</i>		Bernhard Greiteman, Solange Ehrler
			1 Self-report of cognitive concerns in people with lower limb loss		Sara Morgan
			2 Prediction of Frequent Fallers Amongst Lower Limb Prosthesis Users and Effects of Mobility Aid Use on Mobility and Balance Performance		Matthew Major
			3 Equipping therapists to rehabilitate amputees post natural disaster – BACPAR's (British Association of Chartered Society of Physiotherapists in Amputee Rehabilitation) collaboration with Handicap International (HI) and the UK International Trauma Register (UKIETR)		Mary Jane Cole
			4 Participating in the paid workforce: Experiences of people with upper limb amputations or limb deficiencies		Karen Roberts
			5 Being 'just normal': A new theory of prosthesis use		Philip Jefferies
			6 Cross-cultural adaptation, reliability, internal consistency and validation of the Amputation Body Image Scale (ABIS) for French speaking patients with lower limb amputation.		Aurelie Vouilloz
7 A Survey-Based Investigation of the Role of Outcome Measures in the Assignment of Medicare Functional Classification Level for Persons with Lower Limb Amputation		Matthew Major			
35	9:00-10:15		SYMPOSIUM	Rhone 3	
			Technology solutions to promote mobility in daily life for older adults with mobility limitations		Ed Giesbrecht Bita Imam William Miller Emma Smith
36	9:00-10:15		Free papers: LOWER LIMB ORTHOTIC TECHNOLOGY	Pasteur Auditorium	

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			<i>Chairs</i>		Toshiki Kobayash, Sam YC
			1 Efficacy and Prediction of Improvement from 42 weeks of Functional Electrical Stimulation in Post-Stroke Foot Drop: Data from the FASTEST Trial		Keith McBride
			2 The orthotic and therapeutic effect following daily community applied functional electrical stimulation in children with unilateral spastic cerebral palsy: a randomised controlled trial.		Dayna Pool
			3 Short term therapeutic effect of a peroneal nerve Functional Electrical Stimulation (FES) orthosis on gait kinematics of patients with footdrop.		Remi Rebour
			4 Biomechanics Analysis of Powered Exoskeleton Gait on Level and Inclined Surfaces		Edward Lemaire
			5 Predictor for positive response to a selective implanted drop foot stimulator (ActiGait) post stroke		Michaela M. Pinter
			6 Micro-processor controlled Knee-Ankle-Foot Orthosis (C-Brace) vs. Stance-control Knee-Ankle-Foot Orthosis (SCO) and conventional Knee-Ankle-Foot Orthosis (KAFO): Functional Outcomes in Individuals with Lower Extremity Impairments due to Neurologic or Neuromuscular Disease, Orthopedic Disease or Trauma		Arun Jayaraman
			7 A randomized controlled cross-over trial to investigate locomotor capacities when using an electronic stance control orthosis		Thomas Schmalz
			INSTRUCTIONAL COURSE	Forum 3	
37	9:00-10:15		Clinical gait analysis in the prescription process of Ankle Foot Orthoses in children with Cerebral Palsy		Merel Brehm Annemieke Buizer Yvette Kerkum Andy Ries
			SYMPOSIUM	St. Clair 3	
38	9:00-10:15		Exploring Virtual Reality in Upper Limb Prosthetics		Carol Garcia Ramesh Munjal Ivan Phelan Ted Varley
			SYMPOSIUM	Salon Pasteur	
39	9:00-10:15		All about the evidence for ankle-foot orthoses after stroke and what it means for clinical practice.		Jaap H. Buurke Jaap Harlaar Sarah Tyson
			INSTRUCTIONAL COURSE	Prestige Gratte Ciel	
40	9:00-10:15		Partial Foot Deficiency Symposium in Children: Acquired and Congenital		Robin C. Crandall

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					Lael Luedtke Matt Mortel
	10:15-11:30		KEYNOTE LECTURE	Forum 3	
			<i>Psychoprosthetics + : People, Prosthetics, Places & Policies</i>		Malcolm McLachlan Harmen van der Linde
			SYMPOSIUM	Gratte Ciel 1/2/3	
41	11:45-13:00		Practical prosthetic gait analysis		Craig Childs Anthony McGarry Cara Negri Helen Scott Alison Morton
			INSTRUCTIONAL COURSE	Tete d'Or 1&2	
42	11:45- 13:00		How to Use A Practice/Job Task Analysis to Create Best Practices Across the O&P Profession		Catherine A. Carter Robin Seabrook James H. Wynne
			Free papers: REHAB MED SURGERY SEVERAL TOPICS REHAB	Tete d'Or Lounge	
			<i>Chairs</i>		Maria Grazie Benedetti, Gert-Uno Larsson
			1 Quantitative analysis of arterial morphological changes and muscle atrophy of residual limb after trans-femoral amputation		Ruiqi Dong
			2 Importance of tying the sciatic nerve in above knee amputation to prevent neuroma formation		Amit Saraf
			3 Developing Prescribing Guidelines for Microprocessor Controlled Prosthetic Knees in England		Imad Sedki
			4 Incidence of Lower Limb Amputation and Amputees in Canada		Bitra Imam
			5 Bone mineral density in children with cerebral palsy: effect of sequenced rehabilitation protocol following a single event multilevel surgery		Deepak Sharan
			6 Preliminary study of the Southampton Hand Assessment Procedure for Children and its reliability		Ecaterina Vasluian Golea
			7 A Numerical Approach To Evaluate Stroke Patients Walking Disorders Based On Instrumental Gait Analysis		Dominik Raab
44	11:45-13:00		Free papers: ADAPTED FOOTWEAR	Rhone 2	

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			<i>Chairs</i>		Sicco Bus, Linda Darmon
			1 Functional assessment of orthopaedic shoes for forefoot offloading: traditional baropodometry together with state-of-the-art gait analysis		Alberto Leardini
			2 Partial foot amputation in diabetes mellitus: what can orthopaedic footwear accomplish?		G.M. Clemens Rommers
			3 Users' perspective on custom-made orthopaedic shoes		Tomaz Stajer
			4 Experience of sequential partial foot and transtibial amputation: a narrative enquiry.		Michael Dillon
			5 The Insole-concept to compensate the equinus component after arthroereisis in flexible pediatric flatfoot		Franz Landauer
			6 The efficacy of removable devices to offload and heal neuropathic plantar forefoot ulcers in diabetes: a multicentre randomized controlled trial		Jaap J. Van Netten
			7 To evaluate the efficacy of Total Contact Cast (TCC) compared to Patellar Tendon Bearing (PTB) cast with walking iron in the treatment of neuropathic plantar foot ulcer		Shiv Lal Yadav
			SYMPOSIUM	Rhone 3	
45	11:45-13:00		P&O Training and Education in Africa: achievements, challenges and way forward		Jeanne Kagwiza Anareme Kpandressi Achille Otou-Essono Harold Shangali
			Free papers: PROSTHETICS UL MYOELECTRICAL	Pasteur Auditorium	
			<i>Chairs</i>		Andrea Cutti, Helena Burger
			1 Clinical Demonstration of Prosthetic Control Using Implantable Myoelectric Sensors		Paul Demers
			2 Multivariate myoelectric signal acquisition based on conductive silicone		Heiko Glindemann
			3 Making EMG control more predictable improves performance		Jon Sensinger
			4 Assessing the cost of small vs. large errors in myoelectric movement control		Jon Sensinger
			5 Does EMG control transfer from a serious game to prosthesis use?		Ludger Van Dijk
46	11:45-13:00				

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		6	First Clinical Fitting of an Individual After Bilateral TMR With Pattern Recognition Control		Todd Kuiken
		7	Use of Powered Prosthesis for Children with Upper Limb Deficiency at the Hyogo Rehabilitation Center		Mitsunori Toda
47	11:45-13:00	INSTRUCTIONAL COURSE		Forum 3	
		State of the Art – Conservative Management of Scoliosis			Maksym Borysov Marc Moramarco Hans-Rudolf Weiss
48	11:45-13:00	SYMPOSIUM		St. Clair 3	
		Change is afoot: Harmonizing evidence based practises and 3D printing visions			Jannis Breuninger Michael Orendurff Silvia Ursula Raschke Felix Starker
49	11:45-13:00	SYMPOSIUM		Salon Pasteur	
		Novel Approaches to Improve Psychological and Social Well Being Following Limb Loss: Patient and Professional Roles			Deirdre Desmond Pamela Gallagher Stephen Wegener
50	11:45-13:00	Free papers: P&O IN DEVELOPING COUNTRIES - GENERAL		Prestige Gratte Ciel	
		<i>Chairs</i>			Karen Andrews, Solange Ehrler
		1	Building P&O in Developing Countries - A New P&O Education Program in Bangladesh		Rowan English
		2	Development And Pilot Testing An Assessment Tool On Human Resources For Prosthetics/Orthotics And Rehabilitation Professions In Developing Countries		Axelle Mokry
		3	The Need Of Category I Prosthetist And Orthotist In Africa		Hortensia Mranga
		4	Improving Prosthetic Outcomes in the Developing World Through a Complete Transfemoral System		Roger V. Gonzalez
		5	Efficacy of early cranial orthotic intervention in the treatment of deformational plagiocephaly in Singapore.		Tsurayuki Murakami
		6	A Descriptive Review of Lower Limb Amputation Cases in Allied Hospitals Rawalpindi of Last Five Years		Sajid Muhammad
51	14:30-15:45	SYMPOSIUM		Gratte Ciel 1/2/3	

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			Global cooperation on Assistive Health Technology (GATE)		David Constantine Chapal Khasnabis Ritu Gosh Bengt Soderberg
52	14:30-15:45		SYMPOSIUM	Tete d'Or 1&2	
			Exploring the relationship between lower-limb prosthesis mechanical properties and user performance for clinical prescription and prosthesis design optimization.		Steven Gard Matthew J. Major Michael Orendurff Rob Horvath
53	14:30-15:45		Free papers: PROSTHETICS LL SOCKET-LINER INTERFACE	Tete d'Or Lounge	
			<i>Chairs</i>		Magnus Lilia
		1	Thermal Time Constant: Improving the accuracy of skin temperature predictive modelling in Lower Limb Prostheses		Neha Mathur
		2	Prosthetic Liner Assistant (PLA): An online database to facilitate individualized liner selection		John Cagle
		3	Day to day variability in residual limb fluid volume change		Joan Sanders
		4	Imaging and analysis of residual limb shape in below knee amputees		Alex Dickinson
		5	A lower-limb stump/socket interface simulator to aid assessment of clinical interventions		Michael McGrath
		6	User experience of transtibial prosthetic liners: a systematic review		Michael Dillon Amit Saraf
54	14:30-15:45		Free papers: EDUCATION INDUSTRIALIZED COUNTRIES	Rhone 2	
			<i>Chairs</i>		Nerrolyn Ramstrand, Lina Magnusson
		1	A mixed methods research approach to the review of competency standards for Orthotists and Prosthetists in Australia		Leigh Clarke
		2	George Brown College Prosthetic & Orthotic Programs and McMaster University MSc in Rehabilitation Sciences Collaborative Model: Exciting Next Steps		Gordon K. Ruder
		3	Preliminary Design and Evaluation of a Knowledge Based Outcome Measure for Patients with a Lower Limb Prosthesis		Daniel Lee
	4	Assessment of therapeutic education in lower-limb amputees		Solange Ehrler	

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		5	How do formative assessments influence teaching and learning in P&O education?		Sirintip Kaewtip
		6	The development, implementation and review of clear objectives and assessment criteria for prosthetic and orthotic clinical placements (Procedure Based Assessments and Clinical Competencies).		Elaine Figgins
		7	Professional situation of the graduates in Orthotics and Prosthetics in ESTeSL since 2004/2005 to 2012/2013 – Sociological Portrait		Jose Pedro Matos
55	14:30-15:45	SYMPOSIUM		Rhone 3	
		Prosthetic and Orthotic Services development in Sri Lanka			Loganayaki Ramakrishnan Kasun Kithsiri Rupasinghe Jeewantha Sasika Stephney Weerasinghe
56	14:30-15:45	Free papers: PROSTHETICS UL PROSTHETIC COMPONENTS		Pasteur Auditorium	
		<i>Chairs</i>			Gerwin Smith, tba
		1	Clinical Evaluation of a Novel Gel Liner System Developed to Improve Use and Function of Transhumeral Myoelectric Prostheses		Todd Kuiken
		2	Flexible And Static Wrist Units In Upper Limb Prosthesis Users		Corry K. Van Der Sluis
		3	Inner socket hydrothermal measurement of quasi-transradial prosthetic socket under controlled environmental hydrothermal conditio		Kengo Ohnishi
		4	Independent Prosthetic Wrist Rotation for Transradial Myoelectric Prosthesis Users and Assessment of Compensatory Motions		Ali Hussaini
		5	Application of a novel robotic hand as a myoelectric prosthetic prototype: Proof of concept in a single patient		Kristin Zhao
		6	A sensorised glove for use with an intelligent prosthetic hand		Peter Kyberd
		7	Pressure sensor system for investigating stresses at the stump/socket interface.		Raoul Bongers
57	14:30-15:45	INSTRUCTIONAL COURSE		Forum 3	
		Guideline-based prescription practice in orthotics			Merel Brehm Tom Gort Frans Nollet

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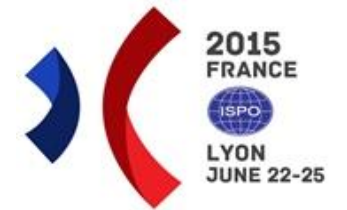
58	14:30-15:45		SYMPOSIUM	St. Clair 3		
			Tele-rehabilitation for people following lower limb amputation			<i>Helena Burger</i> Drago Rudel Metka Zalar
59	14:30-15:45		SYMPOSIUM	Salon Pasteur		
			Arm supports. To wear or not to wear?			Michael Andersen <i>Bart Koopman</i> Peter Kooren Kenneth Meijer Tariq Rahman Ana Luisa Trejos
60	14:30-15:45		INSTRUCTIONAL COURSE	Prestige Gratte Ciel		
			Northwestern University Flexible Subischial Vacuum Socket (NU-FlexSIV)			Ryan Caldwell <i>Stefania Fatone</i>
61	14:30-15:45		SYMPOSIUM	Gratte Ciel 1/2/3		
			New perspectives in providing sensory feedback for myoelectric control			Raoul M. Bongers Christian Cipriani Jacqueline S. Hebert <i>Jon Sensinger</i>
62	16:15-17:30		SYMPOSIUM	Tete d'Or 1&2		
			ISPO and P&O Education			Daniel Blocka Carson Harte Bryan Malas <i>Mary Scott</i>
63	16:15-17:30		Free papers: PROSTHETICS LL TRANS-TIBIAL AMPUTEES AND THEIR PROSTHESIS	Tete d'Or Lounge		
			<i>Chairs</i>			<i>Edward Lemaire, Helle Moller</i>
			1 Effect of Longitudinal Prosthesis Stiffness on Force Transmission during Transtibial Amputee Gait			Erin Boutwell
			2 Is the thickness of used prosthetic socks related to age?			John Cagle
			3 Effect of Longitudinal Prosthesis Stiffness on Force Transmission during In Vivo Impact Loading			Erin Boutwell

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		4	Monitoring donning, doffing, and activity in transtibial amputee prosthesis users		Joan Sanders
		5	Mind control for leg prosthesis. Is it useful?		Magnus Oddsson
		6	Role of mirror image therapy for phantom limb pain in below knee amputees		Amit Saraf
		7	Rehabilitation and Outcomes of Patients with Lower Limb Amputation		Lena Gudmundson
		Free papers: BUILDING P&O IN DEVELOPING COUNTRIES - EDUCATION		Rhone 2	
		<i>Chairs</i>			Solange Ehrler, tba
		1	The influence of environmental and personal factors on the rehabilitation and participation of lower-limb prosthetic users in low-income countries		Jan Andrysek
		2	Ethical Considerations in Providing Prosthetic/Orthotic Assistance in Developing Countries		Jon Batzdorff
		3	Barriers and facilitators of equitable access to mobility services in Papua New Guinea		Lee Brentnall
		4	An Innovative Approach to Global Prosthetic and Orthotic Training and Education: Lessons-Learned from a Blended-Learning Approach in the Dominican Republic		Gail Griseti
		5	Using the evidence base to improve professional practice in a prosthetic and orthotic service in Malawi, a Low Income Country.		Sandra Sexton
		6	The impact of training personnel to the minimum standards ISPO Category I and II		Sandra Sexton
		7	Human rights for persons with disability using prosthetic and orthotic devices in Sierra Leone		Lina Magnusson
		SYMPOSIUM		Rhone 3	
		Injury management and rehabilitation services in Nepal: experience and perspectives of emergency and development actors			Ian Norton Wesley Pryor Sunil Pokhrel
		Free papers: SPINAL 1 - BIOMECHANICS ASSESSEMENT		Pasteur Auditorium	
		<i>Chairs</i>			Man Sang Wong, Gerald Dauny
		1	Personalization of spine and trunk models for the simulation of brace action in spinal deformity: an inverse approach		Wafa Skalli

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		2	Geometrical and biomechanical data for scoliosis treatment		Jean-Charles Gesbert
		3	The Immediate Effects of Lycra Fabric Soft Orthosis (LFSO) Garment on Trunk and Pelvis Kinematic during Sit-To-Stand (STS) on a Healthy Child		Shaari Ida Hasni
		4	AIS and the Sagittal Profile – Do modern CAD / CAM Braces increase Flatback?		Hans-Rudolf Weiss
		5	Using Ultrasound Imaging and Pressure Measurement System to Optimize TLSO Design for the Treatment of Scoliosis		Edmond Lou
		6	Improvement in 20 years of AIS brace treatment		Franz Landauer
		7	Management of Antenatal Pelvic-girdle Pain Study (MAPS): A Single Centred Blinded Randomised Trial Evaluating the Effectiveness of Two Pelvic Orthoses		Lee Cameron
		SYMPOSIUM		Forum 3	
67	16:15-17:30		Evidence-Based Practice for Prosthetic Foot Prescription		Nicoleta Bugnariu Steven Gard Jason Highsmith Michael Orendurff Silvia Ursula Raschke
		SYMPOSIUM		St. Clair 3	
68	16:15-17:30		Strategic Investment in the Wheelchair Sector: USAID's Experience		Michael Allen Susan Eitel Chapal Khasnabis Jonathan Pearlman
		SYMPOSIUM		Salon Pasteur	
69	16:15-17:30		National Quality Registry of lower extremity amputation		Kerstin Hagberg Jan Larsson Helen Scott Bengt Soderberg
		INSTRUCTIONAL COURSE		Prestige Gratte Ciel	
70	16:15-17:30		Wheelchairs and Seating - problem solving regarding pressure, shear and microclimate		David Constantine Wieland Kaphingst Heinz Trebbin Klaus Wiese

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Thursday, 24 June 2015

71	9:00-10:15		SYMPOSIUM	Gratte Ciel 1/2/3	
			High rigidity bracing for Scoliosis		Frederix Barral Jean-Claude De Mauroy Sabrina Donzelli Sophie Pourret
72	9:00-10:15		INSTRUCTIONAL COURSE	Tete d'Or 1&2	
			How can we facilitate Prosthetics and Orthotics Services in Rural Areas?		Arjen Bergsmia Nur Azah Hamzaid Chapal Khasnabis Anthony Rombach Bram Sterke
73	9:00-10:15		Free papers: PROSTHETICS LL TF STUMP/SOCKET 1	Tete d'Or Lounge	
			<i>Chairs</i>		Domenico Menager, Clemens Rommers
			1 Regulation of Temperature and perspiration within a Prosthetic Socket to Improve Amputee Quality of Life		Matthew Wernke
			2 Coronal plane socket stability during gait in persons with transfemoral amputation: Pilot study		Stefania Fatone
			3 Elevated Vacuum Dependent Changes in Residual Limb Circulation and Skin Health		Matthew Wernke
			4 Validation of direct measurement of sagittal moments during walking for individuals with transtibial limb loss		Lucas Lincoln
			5 Extending the life and improving the appearance of cosmetic foam covers for people with trans-femoral amputations		Kevin Murray
			6 Biomechanical investigation of principles of load transfer in transfemoral sockets: An innovative study design and preliminary results		Malte Bellmann
7 Effects of socket alignment combinations on the muscle activity and comfort of unilateral trans-femoral amputees during level surface ambulation.		Anna Margarita Lague			
74	9:00-10:15		Free papers: EVIDENCE BASED PRACTICE 2	Rhone 2	
			<i>Chairs</i>		Helen Scott, tba
			1 Foot deformities within the diabetic foot and their influence on biomechanics: A review of the literature		Joanna Allan

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		2	A review of validity, reliability and practicability of internationally used assessment scores for lower limb amputees as basis for daily clinical use recommendations.		Urban Daub
		3	Prosthetic Charities: Prosthetic Rehabilitation Professionals Opinions on their Function & Role		Mark Currie
		4	Validation of the activPAL activity monitor in children with hemiplegic gait patterns resultant from cerebral palsy.		Mark McAloon
		5	A clinical guide to define the process of orthotic interventions		Tina Andersson
		6	The reliability of a video analysis system (Siliconcoach TM) and the universal goniometer in the measurement of hip, knee and ankle motion		Roy Bowers
		7	Prosthetic liner prescription practices: a survey of prosthetists in North America		Brian Hafner
75	9:00-10:15	SYMPOSIUM		Rhone 3	
		Locomotor Strategies, Adaptation and a Goal to Improve Walking Performance in Individuals with Lower Extremity Amputation			Benjamin Darter Han Houdijk Natalie Vanicek
76	9:00-10:15	Free papers: AFOS IN CHILDREN		Pasteur Auditorium	
		<i>Chairs</i>			Annemieke Buizer, Merel Brehm
		1	A spring-hinged Ankle Foot Orthosis can normalize knee kinematics and kinetics while preserving push-off power in children with Cerebral Palsy		Yvette Kerkum
		2	Impact of Distal Static Orthotic Approach on Back Geometry in Cerebral Palsy		Tamer El-Saeed
		3	Affectiveness of Dynamic Responce Carbon AFO's for High Functioning Children, Who Require an AFO.		Eric Bapty
		4	Comparison of the Barefoot and AFO Margins of Stability in Children with Cerebral Palsy Diplegia		Michelle Hall
		5	Comparing the gait of children with diplegic cerebral palsy in a clinical environment and an outdoor environment while wearing Ankle-Foot Orthoses		Mohammed Sallak
		6	The brace therapy for hemophilic arthropathy		Hiroaki Kimura
	7	Treatment for paediatric dropfoot that combines elastomeric dynamic splinting with functional electrical stimulation (FES)		Rodney Lane	
77	9:00-10:15	SYMPOSIUM		Forum 3	

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			Employing Outcomes Measures to Elevate Your Clinical Practice and Demonstrate the Value of Comprehensive Evidenced-based Prosthetic Care		Robert S. Gailey Ignacio Gaunard
78	9:00-10:15		SYMPOSIUM	St. Clair 3	
			Development of P&O Services in Africa: Pan-African Initiatives		Ewoi Raphael Kerio Moustafa Mijiyawa Masse Niang Samuel Nkhoma
79	9:00-10:15		SYMPOSIUM	Salon Pasteur	
			Functional Outcomes in Electric Multi-articulating Hands and Hand Transplantation: How do we define "Success"?		Diane Atkins Alison Goodwin Stefan Schneeberger
80	9:00-10:15		INSTRUCTIONAL COURSE	Prestige Gratte Ciel	
			Orthopedic footwear in the 21st century: design, evaluation, and evidence		Sicco Bus Jim Woodburn
	10:15-11:30		KEYNOTE LECTURE	Forum 3	
		<i>Spinal deformities and scoliosis , the importance of the horizontal plane</i>		Jean Debousset Jean-Pierre Lissac	
	11:45-12:45		ISPO World Assembly	Forum 3	
81	14:30-15:45		SYMPOSIUM	Gratte Ciel 1/2/3	
			Prise en charge globale de l'adolescent scoliotique traité orthopédiquement		Jean-Claude Bernard Julie Deceuninck
82	14:30-15:45		INSTRUCTIONAL COURSE	Tete d'Or 1&2	
			Using the International Classification of Functioning, Disability and Health (ICF) in clinical practice		Friedbert Kohler Jim Xu
83	14:30-15:45		Free papers: PROSTHETICS UL DEVELOPMENTS PROSTHESIS AND CONTROL	Tete d'Or Lounge	
			<i>Chairs</i>		Dick H. Plettenburg, Corry Van Der Sluis
		1	High cable operation forces deteriorate pinch force control in voluntary closing body-powered upper-limb prostheses		Mona Hichert
		2	Hydraulic transmission applied to body powered upper limb prostheses, as an alternative to the Bowden cable.		Gerwin Smit

Scientific Programme



		3	A comparison of Direct Control and Pattern Recognition Control in Transhumeral TMR subjects		Todd Kuiken
		4	Environment aware hand prosthesis: A new paradigm for dexterous control		Marko Markovic
		5	Intermanual Transfer Effects in Upper-Limb Prosthesis Training: the Influence of Inter-Training Intervals		Sietske Romkema
		6	Living with a short arm: Which problems do young adults experience in transition to adulthood?		Ilse M.F. Lankhorst
		7	Improved dexterity of transradial prostheses by movement context dependent control		Sebastian Amsuess
		Free papers: QUALITY OF LIFE 1		Rhone 2	
		<i>Chairs</i>			Deirdre Desmond, Susan Spaulding
		1	The association between neuropsychiatric symptoms and quality of life in geriatric patients with amputation or stroke after rehabilitation in skilled nursing facilities		Bianca Buijck
		2	Use and satisfaction with adaptive devices in youngsters with upper limb reduction deficiencies.		Iris Van Wijk
		3	Development of the Role of the Specialist Physiotherapist in Amputee Rehabilitation to Improve Quality of Care through the Implementation of Physiotherapist Independent Prescribing		Louise Tisdale
		4	A survey on inclusion of employees with disabilities in major companies in Arusha Municipality, Tanzania: January-July 2013.		Eunice Kombe
		5	Treatment of Phantom Limb Pain using Graded Motor Imagery - a Case Study.		Kate Lancaster
		6	Comparison of quality of life in people with partial foot and transtibial amputation.		Michael Dillon
		Free papers: PROSTHETICS LL TF PROSTHETIC KNEE AND FOOT 1		Pasteur Auditorium	
		<i>Chairs</i>			Steven Gard, Xavier Bonnet
		1	Prosthetic knee behaviour during slope and stair descent		Boris Dauriac
		2	A comparison of powered and non-powered prosthetic knees during sit-to-stand and stand-to-sit activities of unilateral transfemoral amputees.		Robert Gailey
84	14:30-15:45				
86	14:30-15:45				

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		3	Preliminary evaluation of a Microprocessor-controlled Knee Ankle Prosthesis (MKAP) for above knee amputees.		Xavier Bonnet
		4	Biomechanical investigation of currently available microprocessor controlled prosthetic feet		Bjoern Altenburg
		5	Functional Effects of the Genium Knee in Transfemoral Amputees Measured with the Continuous Scale Physical Functional Performance-10 (CS-PFP10) Assessment		M. Jason Highsmith
		6	Effects of adaptation to a lower limb prosthetic component with new functionality		Thomas Schmalz
		7	Comparing the symmetry of external work measure with traditional force plate parameters for differentiating prosthetic feet in unilateral transfemoral amputees.		Robert Gailey
87	14:30-15:45	SYMPOSIUM		Forum 3	
		Powered Orthoses			Takaaki Chin Ryan Farris Yuichiro Honda Edward Lemaire
88	14:30-15:45	INSTRUCTIONAL COURSE		St. Clair 3	
		Multidisciplinary Management of Severe Cerebral Palsy (GMFCS IV and)			Soikat Ghosh Moulic Deepak Sharan
89	14:30-15:45	SYMPOSIUM		Salon Pasteur	
		Principles central to the success of integrated orthotic, prosthetic and wheelchair service development projects in low-income West Pacific Rim island nations.			Lee Brentnall Richard Dyson-Holland Katrina McGrath Phoebe Thomson Taukoriri Tibiriano
90	14:30-15:45	INSTRUCTIONAL COURSE		Prestige Gratte Ciel	
		Instructional Course Lecture: Publish or Perish			Sarah Curran Edward Lemaire Aaron Leung Samual Phillips Dick Plettenburg
91	16:15-17:30	SYMPOSIUM		Gratte Ciel 1/2/3	
		The ageing spine : a biomechanical and clinical challenge for orthostetic medicine			Isabelle Courtois Didier Fort Christine Guillet Fraise Nicolas

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92	16:15-17:30	SYMPOSIUM	Tete d'Or 1&2	
		From Stable Standing to "Rock'n'Roll" Walking with Prostheses and Orthoses		Stefania Fatone Elaine Owen
93	16:15-17:30	Free papers: PROSTHETICS LL TRANS-TIBIAL AMPUTEES GAIT	Tete d'Or Lounge	
		<i>Chairs</i>		Han Houdijk, Eric Lapeyre
		1 An Investigation of the Ground Contact Point and Sagittal Plane Displacement of Energy Storage and Return (ESR) Composite Lower-Limb Prosthetic Feet during Running		Philip Sewell
		2 A proposed system for automatic categorisation of lower-limb prosthesis alignment using Learning Vector Quantisation and an inverse problem pressure measurement approach.		Philip Davenport
		3 Sudden change in walking direction in trans-tibial amputees: Functional effects of a rotational unit in a prosthetic foot		Merkur Alimusaj
		4 Responsiveness of different running specific prostheses		Lara Grobler
		5 Measuring Interaction at the Stump-Socket Interface of a Transtibial Amputee during Straight Level Walking		Veronika Noll
		6 Balance assessment during drop jump landing in subjects with transtibial amputation		Zdenek Svoboda
		7 Laser and radar based terrain recognition enables comfort and safety for stair walking with active lower limb prosthesis		Bernhard Kleiner
94	16:15-17:30	Free papers: P&O IN DEVELOPING COUNTRIS: FABRICATION AND FITTING	Rhone 2	
		<i>Chairs</i>		Vibhor Agrawal, Arezoo Eshraghi
		1 Effectiveness of monitoring tools for the fabrication process of prosthetics and orthotic devices		Soikat Gosh Moulic
		2 Prosthetic and Orthotic Users' Satisfaction with their Lower-Limb Assistive Device in Malawi and in Sierra Leone		Lina Magnusson
		3 Scope of Physical rehabilitation services in the Democratic People's Republic of Korea- An impact assessment report		Rajesh Chandra
		4 3D Printed Prosthetic Sockets		Victor Nunes
		5 A New Design of Tracing and Casting Positioning Tool for Lower Limb Orthoses		Jutamanee Poonsiri

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		6	The Effects Of Tone Reducing Orthotics Appliances & Positioning Devices In Pain Intensity In Children With Cerebral Palsy.		Pritpal Singh Sidhu
		7	Dilatancy TLSO System for Fabricating Thoraco-Lumbar-Sacral Orthoses		Yeongchi Wu
95	16:15-17:30	SYMPOSIUM		Rhone 3	
		Ensuring acceptance and wearing of specialist footwear with person-centred communication			Lauren Fortington Anthony Francis Ashley Morphet Jaap Van Netten
96	16:15-17:30	Free papers: PROSTHETICS UL GENERAL ASPECTS		Pasteur Auditorium	
		<i>Chairs</i>			Peter J. Kyberd, Wendy Hill
		1	Hand transplantation compared with prosthetic reconstruction in below elbow amputees: an investigational study of functional outcomes		Stefan Salminger
		2	PPP-Arm: the implementation of a national Prosthesis Prescription Protocol		Paula Wijdenes
		3	Upper limb myoelectric prosthetics: outcomes, reimbursement, and beyond.		Lewis Mackay
		4	Long term follow up of Osseo-integrated prosthesis for transmetacarpal I amputation		Kerstin Caine-Winterberger
		5	Force Limiting Auto Grasp (FLAG): A User-Initiated Method for Limiting Grip Force of Electric Terminal Devices		Harold Sears
		6	Normative values for maximum voluntary applied grip and pinch forces in healthy subjects as a baseline for hand prosthesis design - a systematic review		Dick Plettenburg
		7	VOVC Body-powered hand with multiple grasp patterns		Jon Sensinger
97	16:15-17:30	INSTRUCTIONAL COURSE		Forum 3	
		Interim prostheses for the rehabilitation of transfemoral amputees			J.M. Hijmans T.J. Oosting G.M. Rommers Aline H. Vrieling H. Zijlstra
98	16:15-17:30	SYMPOSIUM		St. Clair 3	

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			Ankle Foot Orthoses in orthopaedic and neurological applications		Daniel Brams Charles Kuffel Urs Schneider Heinz Trebbin
99	16:15-17:30		SYMPOSIUM	Salon Pasteur	
			Congenital Lower limb Deficiency - Surgery vs Prostheses		Peter Calder Rajiv Hanspal Morven McAlinden Imad Sedki Iris Van Wijk
100	16:15-17:30		Free papers: PROSTHETICS LL TF STUMP/SOCKET 2	Prestige Gratte Ciel	
			<i>Chairs</i>		Helle Moller, Elisabeth Harris
			1 Clinical assessment of a new prosthetic suspension system		Arezoo Eshraghi
			2 Is there a typical pressure pattern at the stump-socket interface for good above-knee amputee prosthesis?		Bastien Moineau
			3 Structural changes of the thigh muscles in trans-femoral amputation, preliminary results		Cornella Putz
			4 Tri-axial pressure and shear (TRIPS) sensor system for stump/socket interface		Piotr Laszczak
			5 Climate socket - focusing on thermal comfort in the prosthetic socket		Michael Lang
			6 Prediction of the Skeletal ML to improve the accuracy of ischial containment sockets		Michael Dillon
7 The quantitative analysis and evaluation of prosthetic sockets for trans-femoral amputees using finite element methods.		Fumiko Tayama			

Thursday, 25 June 2015

101	9:00-10:15		SYMPOSIUM	Gratte Ciel 1/2/3	
			Advanced methods and technologies to design and manufacture innovative prostheses and orthoses		Maria Grazia Benedetti Marco Cavallaro Carlo Frigo

Scientific Programme



102	9:00-10:15		SYMPOSIUM	Tete d'Or 1&2		
			Strategy for the development of Physical Medicine and Rehabilitation sector: the innovating experience of Burundi		Olivier Jadin Godefroid Kamwenubusa Graziella Lippolis Gaetan Mareschal	
103	9:00-10:15		Free papers: PROSTHETICS LL TF TRAINING/GENERAL ASPECTS	Tete d'Or Lounge		
			<i>Chairs</i>		Matthew Major, Kerstin Hagberg	
			1	Keep Moving: training tools for the prevention and management of amputation in Pacific Island Nations.		Lee Brentnall
			2	The preferred walking speed of unilateral transfemoral amputees is not similar to their most economical walking speed		Terje Gjovaag
			3	Mobility post amputation from patient's perspective: An International comparison using the International Classification of Function, health and disability(ICF)		Friedbert Kohler
			4	Quantification of the mechanical work performed during the propulsion phase of gait on a population with lower limb amputation: Comparison between five amputation profiles.		Celine Lansade
			5	Mechanical Knee Users Improve Motor Function with Rheo3 Knee: Single-Subject Design		Charla Howard
			6	The Effect Of Alignment On The Balance And Confidence Of Trans Femoral Prosthesis Users.		Donna Fisher
			7	The oxygen cost of walking is not a good measure for quantifying the physical effort of prosthetic ambulation		Inger-Marie Starholm
104	9:00-10:15		Free papers: LL OTHOTICS (ORTHOP)	Rhone 2		
			<i>Chairs</i>		Sebastian Wolf, Gerald Dauny	
			1	The use of an AFO as an innovative method within the scope of the conservative treatment of osteoarthritis of the knee		Thomas Schmalz
			2	Can an Ankle Foot Orthoses be designed to reduce pain and significantly improve function in the UK military limb salvage population?		Nicole Bennett
			3	The Impact Of Medial Foot Wedge On Tibia Angle In Coronal Plane		Naveed Ahmed
4	A clinical outcome study of the Varus – Valgus adjustment knee brace in the management of knee Osteoarthritis- A district general hospital experience in the West of Scotland		S Walkay			

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		5	Clinical and biomechanical efficiency evaluation of a new distraction/rotation knee brace in the treatment of medial knee osteoarthritis		Danielle Boucher
		6	Dilatancy-Based, Plaster-Less System For Fabricating Ankle Foot Orthoses		Larissa Conner Sletto
105	9:00-10:15	SYMPOSIUM		Rhone 3	
		The Right Wheelchair in the Right Way – seating solutions in less resourced settings			Robertangelo Ciccone David Constantine Chris Rushman
106	9:00-10:15	Free papers: SPINAL 2 - BRACING TECHNOLOGIES		Pasteur Auditorium	
		<i>Chairs</i>			Edmond Lou, Man-Sang Wong
		1	Validation of 3-D Clinical Ultrasound Assessments to Scoliosis		Qian Wang
		2	Evaluation of a purpose-design assessment frame utilized in the casting procedure of patients with adolescent idiopathic scoliosis		Hassan Beygi
		3	A Bluetooth Orthotic Compliance Monitor for Patients with Adolescent Idiopathic Scoliosis		Edmond Lou
		4	Objective wear time measurement of night brace (Caen brace) in Adolescent Idiopathic Scoliosis		Laure Moisson
		5	Preliminary results of a prospective AIS cohort treated with a recent CAD Chêneau development		Hans-Rudolf Weiss
		6	Synergetic effects of a newly designed trunk orthosis with joints providing resistive force and an ankle-foot orthosis with an oil damper in adults with post-stroke hemiparesis		Junji Katsuhira
		7	Initial experience with the Providence Nighttime Bracing in adolescent idiopathic scoliosis.		Lena Quisth
107	9:00-10:15	INSTRUCTIONAL COURSE		Forum 3	
		Stance Control Orthotics			James H. Campbell Kenton Kaufman Frans Nollet Karyn Ross
108	9:00-10:15	SYMPOSIUM		St. Clair 3	
		Indications and contraindications for limb lengthening techniques and for amputation and prosthetic appliances in children with severe congenital limb defects			Frederico Canavese J. Deslandes A. Dimeglio

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					Marie Rousset	
109	9:00-10:15		Free papers: PROSTHETICS UL GENERAL ASPECTS (2)	Salon Pasteur		
			<i>Chairs</i>		Jack Uellendahl, tba	
			1	Effects of adding vibrotactile sensory feedback on performance and visual attention during a dual-task assignment using a pseudo-prosthetic hand		Eitan Raveh
			2	Repetitive Strain Injury Risk Factors in Upper Limb Amputees		Hill Wendy
			3	Interest and use of mechanical prosthesis without control for a population of children with agenesis or traumatic amputation of forearm.		Coline Martinot-Lagarde
			4	Management of the partial hand amputee with functional prostheses		Jack Uellendahl
			5	Clinical development and use of AHA-PAD (Assisting Hand Assessment-Prosthetics, Amputation, Deficiencies)		Christina Ragno
		6	Changes in shoulder and trunk biomechanics during a standardized manipulation task performed with a multi-grip prosthetic hand		Andrea Giovanni Cutti	
110	9:00-10:15		INSTRUCTIONAL COURSE	Prestige Gratte Ciel		
			Direct measurement of prosthetic loading for evidence-based practice		Laurent Frossard Szu-Ping Lee Michael Orendurff Sofie Verstriest	
	10:15-11:30		KEYNOTE LECTURE <i>Orthotic management to improve walking in children with Cerebral Palsy</i>	Forum 3		
111	11:45-13:00		SYMPOSIUM	Gratte Ciel 1/2/3		
			Experiences of best practices and lesson learnt through Prosthetics and Orthotics education in south and South east Asia		Aziz Ahmad Helen Cochrane Ritu Ghosh Carson Harte Kheng Sisary	
112	11:45-13:00		INSTRUCTIONAL COURSE	Tete d'Or 1&2		
			Treatment of patients with impairments of lower extremities		Roland Auberger Pierre Chabloz Jane Nitschke	

Scientific Programme



				Thomas Schmalz
113	11:45-13:00		Free papers: PROSTHETICS UL TRAINING/OUTCOME	Tete d'Or Lounge
			<i>Chairs</i>	Harmen Van De Linden, tba
		1	Updated Version of UNB Test of Prosthetics Function - preliminary results	Wendy Hill
		2	Development of the Assisting Hand Assessment-PAD: A Rasch-built performance measure for people with unilateral upper limb prosthesis, amputation or reduction deficiency	Liselotte Hermansson
		3	Voluntary phantom movements in an upper arm amputee population: description and evolution	Amelie Touillet
		4	Development of the Orthotic Prosthetic Users' Survey - Upper Extremity Functional Status module version 3.0 - OPUS-UEFS 3.0	Helena Burger
		5	Factors Influencing Overuse Syndrome in Persons with Unilateral Upper Limb Absence: A Literature review	Manal Al Lawati
		6	Validation of four outcome measures for upper limb prosthesis use assessment	Peter Kyberd
		7	The Clothespin relocation task as a validated outcome measures for upper limb prostheses	Peter Kyberd
114	11:45-13:00		Free papers: EVIDENCE BASED PRACTICE 3	Rhone 2
			<i>Chairs</i>	Morten Tange Kristensen, tba
		1	Locomotor performance characteristics following lower limb amputation.	Caroline E. Roffman
		2	Construct validity and responsiveness of functional measures used in lower limb amputees following an outpatient prosthetic rehabilitation program	Kajsa Lindberg
		3	Identifying the complexity of the Timed-Up-and-Go Test in unilateral lower limb amputees during specific intervals and mobility improvement	Sheila Clemens
		4	Responsiveness of functional outcome measures used with lower limb amputees during early prosthetic rehabilitation.	Judy Scopes
		5	Most recent effective post-operative amputee stump management as preparation for prosthesis fitting: An Evidence based practice	Sandeep Uppal
6	Combining Electronic Medical Records (EMR) , Outcome Measures and Video Gait Analysis for the Documentation of Measurable Patient Centered Care	Paul Prusakowski		

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		7	A comparative review of prosthetic and orthotic care pathways for the management of partial foot amputation in a single centre.		Joshu Young
115	11:45-13:00		SYMPOSIUM	Rhone 3	
			Novel elements for osteoarthritis knee management.		Allison Hsin-I Chang Stephen Hutchins Sam Yat Chau Law Soren Thorgaard
116	11:45-13:00		Free papers: PROSTHETICS LL TF PROSTHETIC KNEE AND FOOT 2	Pasteur Auditorium	
			<i>Chairs</i>		Kenton Kaufman, Jan Andrysek
		1	Changes in symmetry of external work due to prosthetic foot design characteristics during unilateral transtibial and transfemoral amputee gait.		Robert Gailey
		2	Length and Speed Matters: The Effects of Prosthetic Limb Length and Walking Speed on Knee Flexion of MPK Prosthesis and the Intact Limb Knee		Robert Gailey
		3	Errors in the knee joint forces and moments during gait depending on the foot and knee prosthetic components		Raphael Dumas
		4	Functional effects of a new carbon prosthetic foot with hydraulic ankle		Sebastian Wolf
		5	Clinical field trials of a new type of prosthetic knee joint utilizing the automatic stance-phase lock mechanism		Jan Andrysek
		6	Ramp Descent Ambulation using Different Control Strategies with an Integrated Transfemoral Prosthesis		Nadine Stech
		7	Let's go hiking: Learning to walk again using microprocessor-controlled prosthetic knee joints. A five case series.		Greg Bowring
117	11:45-13:00		SYMPOSIUM	Forum 3	
			Quantifying physical characteristics of lower limb amputees in a clinical setting		Merkur Alimusaj Martin Berli Julia Block Andrea Giovanni Cutti Daniel Heitzmann
118	11:45-13:00		SYMPOSIUM	St. Clair 3	
			Gait adaptations in unilateral affected individuals. Parallels between stroke survivors and persons with an amputation.		Jaap H. Buurke Marc Nederhand

Scientific Programme



					Erik Prinsen
119	11:45-13:00		Free papers: ORTHOSIS- GENERAL	Salon Pasteur	
			<i>Chairs</i>		Jaap Harlaar, tba
		1	Do Total Contact Casts need to be 'tuned'? The effect of sagittal plane alignment on plantar pressures in Total Contact Casts		Anthony Francis
		2	Development of an advanced stance control system with bi-directional wireless data transfer		Futoshi Wada
		3	Gait pattern and impairment characteristics in polio survivors with calf muscle weakness		Hilde Ploeger
		4	Investigation Of Bench Methods For Determining Stiffness Of Solid Ankle-Foot Orthoses.		Stephanos Solomonidis
		5	A novel design approach of ankle-foot orthoses characteristics based on 3-D walking simulation		Yasushi Akazawa
		6	Dynamic Finite Element Analysis of Different Width Ankle Foot Orthoses that is Incorporated with Human Lower Leg Model		Akihiko Hanfusa
		7	Measurement of the rotation axis of the ankle in vivo		Daiki Shimotori
120	11:45-13:00		INSTRUCTIONAL COURSE	Prestige Gratte Ciel	
			Prosthetic alignment: Biomechanical basics and clinical approach for lower limb prostheses		Malte Bellmann Siegmar Blumentritt
	13:30-15:00		Closing Ceremony & Awards	Forum 3	