

WORLD TETRAHAND CONGRESS



Stoke Mandeville Hospital and



22-23 September 26, Waterside Theatre, Aylesbury, UK

08:45	Registration			
09:30	WATERSIDE THEATRE		NORMAN BRAGG STUDIO	
	Welcome to World Tetrahand 2026 Chairs: Wee Lam, Tony Barabas & Catherine Dansereau			
	Solicitor and service user Jonathan Fogerty			
	Congress Fellows Odette Koch			
10:00	Guttmann Memorial Lecture 1 Tetraplegia, reconstructing upper limb function in the cervical spinal injury Jayme Bertelli			
10:30	Refreshment break and exhibition			
11:00	Session 1 – From assessment to reconstruction - Biomechanics, priorities and the choices that matter Chairs: Simon Pickard, Caroline Leclercq & Jenn Cloughley		Free papers: Innovation Chairs: Silvia Schibli & Renata Pedra	
	11:05	Beyond traumatic SCI: When does tetrahand reconstruction apply? Kim Seidel-Miller	11:00	Development and initial evaluation of the cylinder test for assessing hand opening in neurological conditions Therese Ramström
			11:06	Recipient nerve evaluation for nerve transfers in tetraplegia: Is surface electrical stimulation a reliable alternative to electrodiagnostics in determining the presence of lower motor neuron injury preoperatively? Dominique Tremblay
			11:12	Upper limb lower motor neuron assessment in cervical SCI: An implementation study Anne Bryden
	11:20	Therapist-led planning: From assessment to action Jennifer Dunn	11:18	An innovative model for long-term support of individuals with implanted neuroprostheses Anne Bryden
			11:24	Q&A
	11:35	The Kiwi Split: 36 years of thumb IPJ stabilisation Jeremy Simcock	11:32	A simple neuroprosthesis for hand grasp in cervical SCI: Implant technique and acute outcomes Megan Moynahan
			11:38	Improving information and instructions concerning tetrahand surgery for patients and therapists by open access videos Richarda Boettcher
	11:45	Discussion	11:44	Comparing upper extremity function with nerve and tendon transfer intervention vs networked neuroprosthesis device: A case study Matthew Boberek
			11:50	Bilateral alphabet procedure in Tetraplegia: A case report on functional outcomes, assistive device and quality of life Anders Kjoerup
			11:56	Q&A
	12:15	Proximal to distal Mr Simon Pickard	12:04	Close
	12:30	Extremes Hannes Granberg		

	WATERSIDE THEATRE		NORMAN BRAGG STUDIO	
	12:45	Most effective transfer for elbow/wrist, what is the best way to reconstruct the intrinsic? Carina Reinholdt		
13:00	Lunch, networking and exhibition			
14:00	Session 2 - Nerve transfers - Promise, limits and long term reality Chairs: Ida Fox, Jayme Bertelli & Hazel Landymore			
	14:05	Nerve regeneration in SCI: Why nerve transfers work and why they sometimes don't Sami Tuffaha	Free papers: Tendon Chairs: Dale Guthrie & Odette Koch	
	14:20	The power of combined techniques: Nerve and tendon transfer Carina Reinholdt	14:20	Posterior deltoid-to-triceps transfer in tetraplegia: Evaluation of a shortened rehabilitation protocol Lina Bunketorp Käll
			14:26	The development of an individualised posterior deltoid to triceps tendon transfer rehabilitation pathway Quinn McNaughtan
	14:35	A snapshot of 2, 5, and 10 year outcomes for grip and pinch reconstruction Natasha Van Zyl	14:32	A novel concept for preoperative evaluation of ECRL and ECRB function for tendon transfer in tetraplegia Kyle Chepla
			14:38	Should we still build on the "House" procedure for intrinsic reconstruction? Armin Pallaver
	14:45	Discussion	14:44	Bilateral single-stage posterior deltoid-to-triceps transfer for elbow extension restoration in tetraplegia: Outcomes and surgical considerations Silvia Schibli
	14:50	Brachialis to ulnar nerve transfer for selective ulnar sided flexor digitorum profundus reinnervation: A cadaveric and early clinical series James Ledgard	14:50	Q&A
	15:00	Predictors for unsuccessful motor recovery following nerve transfer to restore upper limb movement in individuals with tetraplegia Jefferson Dorneles	15:00	Functional goals of individuals with cervical spinal cord injury undergoing surgical reconstruction for elbow extension and their representation in standard assessments Sabrina Koch-Borner
			15:06	Outcomes of the alphabet procedure: A prospective evaluation Renata Paulos
	15:10	Discussion	15:12	A novel technique for intrinsic reconstruction in grip reconstruction in tetraplegic patients; Outcome and comparisons with the House procedure Johan Berg
			15:18	Symptomatic ulnar nerve compression after biceps-to-triceps tendon transfer for elbow extension reconstruction in Tetraplegia: A case report Noah Oiknine
	15:25	High SPINS: Making the best use of the nerve to supinator in high level spinal cord injuries Jeremy Simcock	15:24	Q&A
	15:35	Tetrahand care in kids Eugene Park	15:32	Close

	WATERSIDE THEATRE		NORMAN BRAGG STUDIO	
15:50	Refreshments, networking and exhibition			
16:15	Session 3 - Seeing what still works - Diagnostics, stimulation and emerging technology Chairs: Sami Tuffaha & Ruth Peachment			
	16:20	The relation between innervation status and electrical stimulation-induced muscle force Marie Alberty	Free papers: Nerve 1 Chairs: Anna Barnard & Pieter Venter	
	16:30	Next-generation motor point mapping: Integrating motor points of the upper arm, ultrasound and quantitative assessments Ines Bersch	16:30	Delayed SPIN transfer in patients with Tetraplegia: A case series Renata Paulos
			16:36	Nerve transfer enhance surgical access and timeliness of upper limb reconstruction in cervical spinal cord injury Jennifer Dunn
	16:40	A novel rowing ergometer with potential for: Post surgical training in tetrahand rehabilitation Brian Andrews	16:42	Outcomes after nerve transfer for tetraplegia: Does upper versus lower motor neuron injury and time to surgery matter? Kyle Chepla
	16:50	Implantable technologies in tetrahand care: An update/ direct spinal cord stimulation Sebastian Gomez-Pena	16:48	Beyond the 12-month rule: A review of timing on motor recovery after nerve transfer in tetraplegia Arum Sudanti
			16:54	Beyond the 12-month rule: A meta-analysis of early versus delayed nerve transfer on motor recovery in tetrahand surgery Arum Sudanti
	17:00	Lived experience with implanted upper extremity neurotechnology: How individuals with spinal cord injury make meaning of technology use and clinical trial participation Kimberley Walsh	17:00	Q&A
	17:10	Leveraging transcutaneous spinal stimulation to improve upper extremity function in chronic cervical spinal cord injury Rebecca Martin	17:10	Close
	17:20	Cortical reorganisation following cervical spinal cord injury Rowan Boyles		
17:30	New evidence in Tetrahand - Free paper session Chairs: Carina Reinholdt, Jodie Hahn & Shyam Swarna			
17:30	17:30	Supinator to AIN nerve transfer, outcomes for grasp and pinch reconstruction Justin Easton		
	17:36	Nerve versus tendon transfers for elbow extension restoration: A systematic review Kyle Chepla		
	17:42	Is time since injury relevant to strength gains in reinnervated muscles with preserved lower motor neuron after nerve transfer in tetraplegia? Jefferson Dorneles		
	17:48	When upper limb reconstructive surgery is worth it in high-level tetraplegia: A 24-month longitudinal case series Josée Dubois		
	17:53	Q&A		
	18:00	Art Exhibition		

08:30	Registration		
09:00	WATERSIDE THEATRE		NORMAN BRAGG STUDIO
	Opening – Background – What we learned before the main congress: Pre-congress updates Raghuv Bhasin		
09:30	Session 4 – The spastic arm and hand – Problem, opportunity or both? Chairs: Wee Lam, Kitty Wu & Clare Nixon		
	09:35	Guttmann: The legacy behind tetrahand Eva Loeffler & Paralympic Heritage Trust	
	09:40	From vision to reality: Journey to the World Tetrahand Congress at Stoke Mandeville Andreas Gohritz	
	09:50	Spasticity in SCI: Current understanding and contemporary management Caroline Leclercq	
	10:00	Discussion	
	10:15	Clinical testing of therapeutics/imaging agents: What can change practice? Sami Tuffaha	
	10:25	Reconstructing the spastic hand: When spasticity becomes part of the surgical plan Austin Hembd	
	10:35	What does success mean to me? Keir Coxhead & Laura May	
	10:45	Discussion	
11:00		Refreshment, networking and exhibition	
11:30	Session 5 – Pushing the limits – Reconstruction at the extremes Chairs: Caroline Leclercq, Sabrina Koch-Borner & Maurizio Belci		Free papers: General Chairs: Grainne Colgan & Vigneswaran Varadharajan
			11:30 Usability evaluation of the T-GRIP thumb exoskeleton to support lateral pinch grasp in patients with tetraplegia Ellen Maas
	11:35	When every muscle counts: Reconstruction in ICO-2 tetraplegia Simon Pickard	11:36 Expected outcomes and influencing factors after reconstructive hand surgery in tetraplegia Therese Ramström
			11:42 Understanding non-eligibility for surgery: An interdisciplinary perspective Geraldine Jacquemin
	11:50	ICSHT 2: Does our classification still reflect modern tetrahand surgery? Hannes Granberg	11:48 The changing face of cervical SCI: What early upper limb function really looks like today Johanna Wangdell
			11:54 A systematic review of outcome measures for upper extremity reconstructive surgery in tetraplegia: Building a framework for standardised outcomes reporting Noah Oiknine
	12:00	Discussion	12:00 Q&A

	WATERSIDE THEATRE		NORMAN BRAGG STUDIO	
	12:10	Great expectations: Barriers to nerve generation and how we might overcome them Akira Wiberg	12:10	Functional reconstruction surgeries of the upper limbs in individuals with tetraplegia after traumatic spinal cord injury - tetrahand: Epidemiological profile of the SARAH Network Rehabilitation Hospitals/ Brazil Ana Cláudia Garcia Lopes
			12:16	Alternative for intrinsic muscle reconstruction: A case report Renata Paulos
	12:20	When reconstruction fails: What next? István Turcsány	12:22	Lived experience partners and improving a nerve transfer tetrahand program Emily Krauss
	12:30	Discussion	12:28	What happens if you review all patients with a cervical spinal cord injury? A review of the first 1000 patients reviewed by our service Sairah Naseem
12:34			Q&A	
12:40	Stewarts Law - Compensation for SCI cases in England: A study of outcomes for clients of Stewarts and the value of early specialist legal input after spinal cord injury Julian Chamberlayne & Clare Salmon		12:42	Close
12:50	Centering the person: protecting outcomes while challenging convention Sandy Arbuthnott			
13:05	Lunch, networking and exhibition			
13:50	Guttmann Memorial Lecture 2 The (r)evolution of nerve transfer surgery in tetraplegia Natasha Van Zyl			
14:20	SESSION 6 - Tetrahand around the world - Access, equity and what we can learn from each other Chairs: Geraldine Jacquemin, Jeremy Simcock & Sarah Dowie		Free papers: Nerve 2 Chairs: Anna Barnard & Pieter Venter	
	14:25	Expanding knowledge and information delivery around improving upper extremity function after cervical spinal cord injury Ida Fox	14:30	Pronator teres to flexor digitorum superficialis nerve transfer Hannes Granberg
	14:35	From unmet need to universal access, tetrahand in 2026: A global problem of access, equity and capacity Sami Tuffaha	14:36	Results of 69 supinator to posterior interosseus nerve transfers Hannes Granberg
	14:45	Volunteer support for people with tetraplegia in Goiânia Renata Pedra	14:42	Supinator to posterior interosseous nerve (SPIN) transfers in patients with spinal cord injuries Sairah Naseem
			14:48	Nerve transfers in tetraplegic hand surgery: Innovation ahead of evidence? Richarda Boettcher
	14:55	Challenges in tetrahand surgery in a developing country - An experience report: São Luís, Brazil Eliana Takahashi	14:54	Nerve and tendon transfer for elbow extension, technique and results in 6 cases Jose Manuel Mendez-Lopez
	15:05	Tetrahand in North America: Access, referral and the treatment gap Dominique Tremblay	15:00	Q&A
15:10			Close	

15:15	WATERSIDE THEATRE		NORMAN BRAGG STUDIO
	Function, outcomes and measurement – Free paper session Chairs: Andreas Gohritz & Helen Thrussell		
	15:15	Reachable workspace in persons with cervical spinal cord injury and its relationship to scapular dyskinesia Sabrina Koch-Borner	
	15:21	Grip and pinch strength following tendon-based reconstruction in tetraplegia: A systematic review Xinchen Gu	
	15:27	Quantifying wrist extension donor deficits following the extensor carpi radialis brevis to anterior interosseous nerve (ECRB-to-AIN) nerve transfer in tetraplegia: What is the risk of compromising wrist tenodesis? Elie Boghossian	
	15:33	Development and initial psychometric testing of the tetraplegic hand opening and closing (THOC) scale: A novel tool for clinical and research assessment Johanna Wangdell	
	15:38	Q&A	
15:45	Refreshments, networking and exhibition		
16:15	FINAL SESSION – The future of tetrahand – What should we do differently tomorrow? Chairs: Rebecca Shirley & James Chan		
	16:20	Towards a Tetrahand Society – an open discussion Silvia Schibli	
	16:40	Conclusions	
	17:00	Prize presentations	
	17:10	Announcement of World Tetrahand 2029	
	17:20	Closing remarks Wee Lam	
	17:30	Close	

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