

Thursday, April 19, 2012 (DAY1 - Pt. 1)

TIME	Room To be Announced		Room To be Announced
7:00 AM TO 8:00 AM	Continental Breakfast		
8:00 AM TO 10:00 AM	Room To be Announced		ALL DAY EVENTS Electronic Posters Registration
	Joint Opening Session 1) Opening Remarks - 2) Sell Lecture - 3) Lifetime Award -		
10:00 AM TO 10:30 AM	Refreshment Break		
10:30 AM TO 12:00 PM	Room To be Announced	Room To be Announced	
	Paper Session 1 Translational Research - Part 1 Moderator: To be announced Presenter: Groah 1) Metagenomic Assessment of the GENitoUrinary Microbiome in People with Spinal Cord Injury (The GENUSCIS Project). Presenter: Dvorak 2) Development of an International Spinal Cord Injury (SCI) Spinal Column Injury Basic Data Set. Presenter: Kramer 3) A Clinically Meaningful Motor Outcome for an Acute Trial Involving Sensorimotor Complete Cervical Spinal Cord injury.	Course 1 Managing Obesity with Exercise after SCI. The course will deal with obesity and its causative relationship with metabolic syndrome in SCI. Upper and lower extremity exercise intervention, neuromuscular stimulation, and benefits of home-based activities will be reviewed. Course Chair: Gater	
12:00 PM TO 1:00 PM	Lunch		

Thursday (DAY 1 - Pt. 2)

TIME	Room To be Announced	Room To be Announced
<p>1:00 PM TO 2:30 PM</p>	<p>Paper Session 2 - Clinical Trials Moderator: To be announced</p> <p>Presenter: Tulsy 7) Determining the Factor Structure of the SCI Computer Adaptive Test (SCI-CAT).</p> <p>Presenter: Zivanovic 8) Functional Electrical Stimulation Therapy for Grasping in Individuals with Incomplete Traumatic Cervical SCI: Randomized Control Trial.</p> <p>Presenter: Godsey 9) One Size Fits All? Not When it Comes to Cushions!</p>	<p>Course 2 Improving Seated Function by Controlling the Paralyzed Trunk with Electrical Stimulation.</p> <p>This course will contain a review of the fundamentals of seating, convey an understanding of its long-term secondary complications, describe the basic biomechanics of the paralyzed spine, introduce the potential of electrical stimulation, and describe current research on the functional effects of electrical stimulation on posture, reach, stability and wheelchair propulsion.</p> <p>Course Chair: Triolo</p>
<p>2:30 PM TO 3:00 PM</p>	Refreshment Break	
<p>3:00 PM TO 4:30 PM</p>	<p>Paper Session 3 - Secondary Complications/Aging Moderator: To be announced</p> <p>Presenter: Rodakowski 13) Predictors of Caregiver Burden in Aging Adults with Spinal Cord Injuries.</p> <p>Presenter: Battaglino 14) Circulating Sclerostin is a Candidate Biomarker of Osteoporosis Severity in Chronic SCI.</p> <p>Presenter: Nash 15) Effects of Circuit Resistance Training on Fasting/Postprandial Lipids and Inflammation in Chronic Tetraplegia.</p>	<p>Paper Session 4 - Awards Eligible Posters Moderator: To be announced</p> <p>Presenter: Kobayashi 1) Vertebral Fracture and Its Relationship with Sagittal Spinal Alignment in A 12-Year Prospective Cohort Study.</p> <p>Presenter: Savic 2) Lower Limb Fractures after Spinal Cord Injury.</p> <p>Presenter: Cobb 3) The SCI Community Survey: Prevalence of secondary complications in Canada and their impact on daily living.</p> <p>Presenter: Shem 4) Incidence and Risk Factors of Dysphasia in SCI.</p> <p>Presenter: Forchheimer 5) Comorbidities and Secondary Health Conditions and Their Relationships to Levels of Depression among Depressed Persons with SCI.</p> <p>Presenter: Rivers 6) Economics of Traumatic SCI in Canada.</p>
<p>6:00 PM</p>	Presidential Reception	

Friday, April 20, 2012 (DAY 2 - Pt. 1)

TIME	Room To be Announced	Room To be Announced	Room To be Announced	
7:00 AM TO 8:30 AM	ASIA Membership Meeting	Continental Breakfast	ALL DAY EVENTS Electronic Posters Registration	
Room To be Announced				
8:30 AM TO 10:30 AM	Joint Plenary Session - SCOPE Course SCOPE: Challenges to Enrolling Participants with Incomplete Spinal Cord Injuries (iSCI) in Clinical Trials Several previous early-phase, acute and sub-acute, clinical trials examining an invasive treatment (e.g. drug, cell transplant) have enrolled thoracic and low cervical sensorimotor complete subjects. This was done to limit the consequences of potential adverse events (i.e. for safety). However, should any therapeutic provide a discernible benefit in subjects with complete SCI, the use of such a treatment is likely to be proposed for individuals with iSCI. There are several concerns for enrolling people with neurologically iSCI at acute or sub-acute time points. Compared with neurologically complete SCI, the expected degree of spontaneous recovery is highly variable and potentially extensive. In the case of invasive experimental treatments, the possibility of detrimental tissue damage that could diminish any preserved function is also a concern after iSCI. Thus, what do we need to learn and develop to undertake safe and effective trial protocols with iSCI participants? This session will begin the discussion by describing some of the issues, including: 1) natural history of neurological, functional, cardiovascular, and bladder/bowel recovery after iSCI, 2) challenges of informed consent, and 3) development of sensitive and reliable outcome measures to determine safety and therapeutic benefit.			
10:30 AM TO 11:00 AM	Refreshment Break			
Room To be Announced				
11:00 AM TO 12:30 PM	Paper Session 5 - Best Papers Moderator: To be announced <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> Presenter: Triolo 19) Longitudinal Performance of a Surgically Implanted Neuroprosthesis for Exercise, Standing, and Transfers After SCI. Presenter: Lammertse 20) High vs. Standard Tidal Volumes in Ventilator Weaning for Persons with Subacute Cervical Spinal Cord Injury. Presenter: DeVivo 21) Trends in Age-adjusted Cause-Specific Mortality Rates After Spinal Cord Injury. </td> <td style="width: 50%; vertical-align: top;"> Presenter: Pak 22) Management of Autonomic Dysreflexia by Emergency Medical Services: Existing Gaps in Knowledge. Presenter: Kelly 23) Outcomes of Caregivers of Youth with Spinal Cord Dysfunction. Presenter: West 24) Vasculature Changes Following Repetitive Episodes of Autonomic Dysreflexia in Rats with Spinal Cord Injury. </td> </tr> </table>			Presenter: Triolo 19) Longitudinal Performance of a Surgically Implanted Neuroprosthesis for Exercise, Standing, and Transfers After SCI. Presenter: Lammertse 20) High vs. Standard Tidal Volumes in Ventilator Weaning for Persons with Subacute Cervical Spinal Cord Injury. Presenter: DeVivo 21) Trends in Age-adjusted Cause-Specific Mortality Rates After Spinal Cord Injury.
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12:30 PM TO 1:30 PM	Lunch			

Friday (DAY 2 - Pt. 2)

TIME	Room To be Announced	Room To be Announced	Room To be Announced
<p>1:30 PM TO 3:00 PM</p>	<p>Paper Session 6 - PT/OT/Functional Rehab Moderator: To be announced</p> <p>Presenter: Marino 25) Reliability and Validity of the Capability of Upper Extremity Test (CUE-T) in Subjects with Chronic SCI.</p> <p>Presenter: Lemay 26) Comparing the Use of the Mini-BESTest with the Berg Balance Scale to Measure Standing Balance in Ambulatory Individuals with Incomplete SCI: A Preliminary Report.</p> <p>Presenter: Kapadia-Desai 27) Toronto Rehabilitation Institute's Hand Function Test: Assessment of Gross Motor Function in Individuals with SCI.</p> <p>Presenter: Flett 28) Impact of Benchmarking and Clinical Decision-Making Tools on Rehabilitation Length of Stay in Spinal Cord Injury.</p> <p>Presenter: Tate 29) Depression and Pain Correlates in Persons with SCI.</p> <p>Presenter: Kraemer 30) Implementation of a Free Water Protocol in SCI.</p>	<p>Course 3 Respiratory Management in Acute Cervical Spinal Cord Injury.</p> <p>In individuals with acute cervical SCI, respiratory complications arise within hours. The consequences of declining respiratory function often lead to respiratory fatigue, intubation, and mechanical ventilation. This course will explore potential complications and solutions of respiratory care, and emphasize the role of the respiratory therapist.</p> <p>Course Chair: Shem</p>	<p>ALL DAY EVENTS Electronic Posters Registration</p>
<p>3:00 PM TO 3:30 PM</p>	Refreshment Break		
	Room To be Announced		
<p>3:30 PM TO 4:30 PM</p>	<p>Awards Presentation Info to come.</p>		
<p>TIME?</p>	<p>Committee Meetings - Need rooms</p>		

Saturday, April 21, 2012 (DAY 3 - Pt. 1)

TIME	Room To be Announced		Room To be Announced
7:00 AM TO 8:00 AM	Continental Breakfast		
8:00 AM TO 9:30 AM	Room To be Announced		
	<p>Plenary Session - Primary Prevention of Spinal Cord Injury</p> <p>Each year, in the United States alone, an estimated 12,000 individuals sustain a spinal cord injury. The most frequent causes of these injuries are motor vehicle crashes, falls, violence, and sports and recreation. Sustaining a spinal cord injury can be devastating yet most of these injuries are preventable! The ASIA Prevention Committee was formed to gather and disseminate best practice information and foster collaborations with other organizations for the purpose of primary, secondary, and tertiary prevention of spinal cord injury through education, research and policy. This symposium will begin with an overview of this newly formed committee and its mission and goals (Klaas). Course faculty will then discuss primary prevention in terms of general injury prevention and epidemiology (Alander and Y. Chen), evidence based practice in the primary prevention arena (D. Chen and Kolakowsky-Hayner), and assess and evaluate existing programs (Sandin). In addition, as an integral part of the symposium, there will be a facilitated open forum to allow audience members opportunities to share best practices and engage in strategic prevention initiatives sharing.</p>		
9:30 AM TO 10:00 AM	Refreshment Break		
10:00 AM TO 11:30 AM	Room To be Announced	Room To be Announced	
	<p>Paper Session 7 Translational Research - Part 2 Moderator: To be announced</p> <p>Presenter: Brose 31) Surface Electrical Sensory Stimulation to Reduce Urethral Sphincter Spasm in Individuals with SCI.</p> <p>Presenter: Triolo 32) Enhancing Seated Posture and Bimanual Reach with Stimulation of the Hip and Trunk Muscles.</p> <p>Presenter: Moniri 33) Vascular Changes in Spinal Cord Injured Animals with Repetitive Episodes of Autonomic Dysreflexia.</p> <p>Presenter: Townson 34) Improving Care Delivery for Acute Traumatic SCI: Comparing Two Canadian Centres.</p> <p>Presenter: Arvanian 35) Spinal Electro-Magnetic Stimulation Combined with Neurotrophin-3 Open the Window of Plasticity and Reinforce Effect of Exercise After SCI in rats.</p> <p>Presenter: Mendoza- Blanco 36) Fatigue Effect on Load Distribution across Upper Extremity in Individuals with SCI During Manual Wheelchair Propulsion.</p>	<p>Paper Session 8 Secondary Complications/Aging - Part 2 Moderator: To be announced</p> <p>Presenter: Ruparel 37) Impact of Push Arc on Shoulder Forces of Individuals with SCI During Manual Wheelchair Propulsion.</p> <p>Presenter: Krause 38) Socioeconomic Factors and Mortality After SCI.</p> <p>Presenter: Saunders 39) The Association of Race, Socioeconomic Status, and Health Care Access with Pressure Ulcers After SCI.</p> <p>Presenter: Chlan 40) Medical Complications and Aging in Adults with Pediatric-Onset SCI.</p> <p>Presenter: Garshick 41) Determinants of Mortality in Chronic Spinal Cord Injury.</p> <p>Presenter: Street 42) Use of the Spine Adverse Events Severity (SAVES) Instrument for Traumatic SCI.</p>	

ALL DAY EVENTS
Electronic Posters
Registration

Saturday (DAY 3 - Pt. 2)

TIME	Room To be Announced	Room To be Announced	Room To be Announced
11:30 AM TO 1:00 PM	<p>Paper Session 9 - Treatment of Pediatric and Adolescent Patients Moderator: To be announced</p> <p>Presenter: Calhoun 43) Pilot Study of the Evaluation of the Validity and Reliability of the Walking Index for Spinal Cord Injury II in Young Children with Spinal Cord Injuries.</p> <p>Presenter: Klaas 44) Depression in Adolescents with Pediatric-Onset Spinal Cord Injury.</p> <p>Presenter: Hwang 45) Baseline Blood Pressure and Heart Rate in Youth with Spinal Cord Injury.</p> <p>Presenter: Russell 46) An Analysis of the Kidcope in Pediatric Spinal Cord Injury.</p> <p>Presenter: McDowell 47) Preventing Primary Spinal Cord Injuries in Adolescents: A Pilot 7th Grade Science Education Program.</p> <p>Presenter: Mulcahey 48) Validity of Newly Developed Computer Adaptive Tests of Mobility, Activity and Participation.</p>	<p>Course 4 Innovative SCI Rehab Study Reveals Relationships of Patient Characteristics and Treatment Interventions with Outcomes After SCI.</p> <p>The SCI REHAB Project is a multi-center 5 year research effort designed to determine which SCI interventions, documented by over 1,100 clinicians, are most strongly associated with positive outcomes at one year post injury. The course will describe this study's Practice-Based Evidence (PBE) methodology, discipline-specific rehab taxonomies utilized, and association of patient and treatment characteristics with outcomes in the 1,376 patients enrolled.</p> <p>Course Chair: Whiteneck</p>	<p>ALL DAY EVENTS Electronic Posters Registration</p>
1:00 PM	Adjournment		
2:00 PM TO 7:00 PM	<p style="text-align: center;">Room To be Announced</p> <p>ASIA Board Meeting</p>		

Posters

AWARDS ELIGIBLE POSTERS IN RED

CLINICAL TRIALS

Presenter: Kobayashi

1) Vertebral Fracture and Its Relationship with Sagittal Spinal Alignment in A 12-Year Prospective Cohort Study.

Presenter: Nemeth

2) Are You Ready for an FDA Audit?: How to Remain in a Constant State of Readiness.

Presenter: Whitehurst

3) A Systematic Review of Preference-based Measures of Health-related Quality of Life in Spinal Cord Injury Research.

Presenter: Nemeth

4) Bridging the Gap Between Research, Clinical Practice, and You.

Presenter: van Middendorp

5) The Efficacy of Acute Surgical Decompression After Traumatic Spinal Cord Injury: Design and Rationale of a Prospective, Observational European Multicenter (SCI-POEM) Study.

PAIN MANAGEMENT

Presenter: Jayawardena

6) A Solitary Plasmacytoma Presenting as Spinal Cord Compression: Case report.

SECONDARY COMPLICATIONS/ AGING

Presenter: Savic

7) Lower Limb Fractures After Spinal Cord Injury.

Presenter: Cobb

8) The SCI Community Survey: Prevalence of Secondary Complications in Canada and Their Impact on Daily Living.

Presenter: Shem

9) Incidence and Risk Factors of Dysphasia in Spinal Cord Injury.

Presenter: Forchheimer

10) Comorbidities and Secondary Health Conditions and Their Relationships to Levels of Depression Among Depressed Persons with SCI.

Presenter: Rivers

11) Economics of Traumatic Spinal Cord Injury in Canada.

Presenter: Zebracki

12) Employment and Earnings in Adults with Pediatric-Onset Spinal Cord Injury.

Presenter: Mehta

13) Effectiveness of Botulinum Toxin in Treating Neurogenic Detrusor Overactivity Post SCI: A Systematic Review and Meta-Analysis.

Presenter: Nash

14) Effects of High Fat Meal Challenge on Postprandial Metabolites and Inflammatory Stress in Persons with Paraplegia.

Presenter: Groah

15) GENitoUrinary Cytokine Biomarkers after Spinal Cord Injury: A Pilot Study (The GENUSCIS Project).

Presenter: Saunders

16) Health Behaviors Among Blacks with Spinal Cord Injury: A Comparison with the General Population.

Presenter: Street

17) Effect of Motor Score on Adverse Events and Quality of Life in Patients with Traumatic SCI.

Presenter: Curtin

18) The Treatment of Femur Fractures in People with Spinal Cord Injury.

Presenter: DeVivo

19) Trends in Mortality Risk Factors by Length of Survival After Spinal Cord Injury.

Presenter: Rodriguez

20) Wireless Motility Capsule Testing in Spinal Cord Injury.

Presenter: Cheung

21) The Relationship Between Bladder Management Techniques and Quality of Life Following Spinal Cord Injury: A Systematic Review.

Presenter: Lieberman

22) Dietary Intake Relative to Cardiovascular Disease Risk Factors in Individuals with Chronic Spinal Cord Injury.

Presenter: Noreau

23) The SCI Community Survey: Needs for Specialized and General Health Care and Their Relationships with Secondary Complications after SCI.

Presenter: Janssen-Donovan

24) Hands-Free Executive Assessment in Patients with Tetraplegia Following Acute Traumatic Spinal Cord Injury.

Presenter: Berliner

25) Intravesicular Botulinum Toxin A (BoNT/A) Neurotoxin for the Treatment of Autonomic Dysreflexia (AD).

Posters

SECONDARY COMPLICATIONS/AGING (Continued)

Presenter: Noonan

26) The SCI Community Survey: Impact of Secondary Complications on Health Status.

Presenter: Hernandez-Jimenez

27) Colorectal Cancer Deaths in Persons with Spinal Cord Injury.

Presenter: Cheung

28) Effectiveness of Intrathecal Baclofen in Reducing Spasticity Following Spinal Cord Injury: A Systematic Review.

Presenter: Townson

29) A Significant Reduction in Fatigue in a Patient with SCI Following 4 weeks of Treatment with 1980 mg L-Carnitine – A Case Report.

Presenter: Ng

30) A Systematic Review of Bisphosphonate use for Heterotopic Ossification After Spinal Cord Injury.

Presenter: So

31) Unique Complication from Intrathecal Drug Delivery System.

Presenter: Jayawardena

32) Rare Complications Associated with Intrathecal Lioresal (ITL) Pump Delivery System.

Presenter: Castillo

33) Aortic Penetration in a T6 Spinal Cord Injury Patient Post Anterior Thoracic Fusion.

Presenter: Beyley

34) Idiopathic Iliacus Muscle Infarction in a Paraplegic Complicated by Ipsilateral Heterotopic Ossification.

TRANSLATIONAL RESEARCH

Presenter: McKinley

35) Motor Recovery Following Motor Complete Spinal Cord Injury.

Presenter: Noonan

36) Understanding the Epidemiology of Traumatic Spinal Cord Injury in Canada: Estimates Derived from a National Trauma Registry.

Presenter: Bangalore-Kantharajanna

37) Safety Profile, Feasibility and Early Clinical Outcome of Co-transplantation of Olfactory Mucosa and Bone Marrow Stem Cells in Spinal Cord Injury – A Pilot Study.

Presenter: Ben-Youssef

38) Implementing the Medical Home Model in Spinal Cord Injury Patients within a Large Underserved Urban Community.

Presenter: Berliner

39) Arm and Hand Function Recovery in Incomplete Spinal Cord Injury with MAHI-Exo II Robotic Training: Case Series.

TREATMENT OF PEDIATRIC AND ADOLESCENT PATIENTS

Presenter: Kessler

40) Delayed Diagnosis of a Pediatric Thoracic Spinal Cord Tumor.

Presenter: Kessler

41) A Pediatric Spinal Cord Injured Patient Returns Home to Haiti.

Presenter: Russell

42) Coping and Participation in Youth with Spinal Cord Injury.

PT/OT/FUNCTIONAL REHAB

Presenter: Nagy

43) Impact of Roho® Cushion Inflation on Pushrim Kinetics During Advanced Wheelchair Skills in Manual Wheelchair Users with SCI.

Presenter: Henzel

44) Impact of Time Since Injury on Pushrim Kinetics During Advanced Wheelchair Skills in Manual Wheelchair Users with Spinal Cord Injury (SCI).

Presenter: Winslow

45) Variation in Pushrim Forces due to Alteration of Wheelchair Camber.

Presenter: Zariffa

46) Upper Limb Robotic Rehabilitation Training In A Subacute Cervical SCI population: A Pilot Study).

Presenter: Gagnon

47) Comparison of Quasi-Static Seated Postural Stability Between Individuals with Spinal Cord Injury and Their Healthy Counterparts: Effects of Upper Limb Positions and Weight Support Roles.

Posters

PT/OT/FUNCTIONAL REHAB (Continued)

Presenter: Winslow

48) Pushrim Forces in a Rigid versus Folding Frame Wheelchair.

Presenter: Nagy

49) Observations of Community Manual Wheelchair Users with Spinal Cord Injury.

Presenter: Weisbach

50) Functional Independence Measure Score Changes Among Subgroups of Individuals with Acute Spinal Cord Injury.

Presenter: Distler

51) Impact of Caster Diameter on Pushrim Kinetics during Advanced Wheelchair Skills in Manual Wheelchair Users with SCI.

Presenter: Nadeau

52) Comparisons of Gait Parameters of Individuals with a Spinal Cord Injury and Healthy Controls while Walking on Level, Inclined and Declined Surfaces.

Presenter: Mejia

53) Association of Body Weight and Height on Pushrim Forces During Advanced Wheelchair Skills in Persons with SCI.

Presenter: Kaplan

54) Observations between Neurological Level of Injury and Manual Wheelchair Pushrim Force.

Presenter: Mejia

55) Impact of Pneumatic vs. Airless Wheelchair Tires on Pushrim Forces During Advanced Wheelchair Skills in Manual Wheelchair Users with SCI.

Presenter: Nagy

56) Impact of Axle Position on Pushrim Kinetics During Advanced Wheelchair Skills in Manual Wheelchair Users with Spinal Cord Injury.

Presenter: Nagy

57) Impact of Axle Position on Pushrim Kinetics During Advanced Wheelchair Skills in Able Bodied Subjects.