Tuesday, September 18, 2007

6:30 AM  Bus Pickup at Sofitel

7:00 AM - 7:30 AM  Registration, Breakfast, Poster & Exhibit Viewing

7:30 AM - 7:40 AM  Welcome: Overview of Scientific Program and Terminology
Scott Kozin MD

SESSION 1

7:40 AM - 8:20 AM  Free Papers: Pinch, Grasp and Release
Moderator: Randal Betz MD
Moderator: Harry Hoyen MD

7:40 AM - 7:48 AM  Abstract # 101  Revisiting Single-Stage Pinch and Grasp Restoration
Presenting Author: Allan Peljovich MD, MPH

7:48 AM - 7:56 AM  Abstract # 102  Outcomes of Surgical Procedures Used to Restore Key Pinch & Grasp in Tetraplegic Patients
Presenting Author: Maura Whittaker BSc, PT

7:56 AM - 8:04 AM  Abstract # 103  Reconstruction of Active Palmar Thumb Abduction in Tetraplegia
Presenting Author: Jan Fridén MD, PhD

8:04 AM - 8:12 AM  Abstract # 104  Independent ECRL & ECRB Function After ECRL Transfer to Finger Flexors: A Functional Study
Presenting Author: Julian Liew MD

8:12 AM - 8:20 AM  Discussion

8:20 AM - 8:30 AM  Summary of Outcomes Pre-Course: Recommendations for Direction and Initiatives for Outcomes Research on UE in SCI
Presenter: Kevin Chung MD
Moderator: Michael Keith MD

8:30 AM - 8:40 AM  Discussion

8:40 AM - 8:45 AM  Contemporary Trends in Upper Limb Management: New Zealand Perspective
Presenting Author: Alastair Rothwell PhD
Moderator: Arvid Ejeskär MD, PhD

8:45 AM - 8:48 AM  Discussion

SESSION 2

8:48 AM - 9:48 AM  Free Papers: Functional Electrical Stimulation
Moderator: Rich Lauer PhD
Moderator: M.J. Mulcahey PhD, OTR/L

8:48 AM - 8:56 AM  Abstract # 201  Neuro-Muscular Electrical Stimulation- Assisted Grasp Training and Restoration of Function in the Tetraplegic Hand: A Case Study Series
Presenting Author: Rebecca Martin OTR/L
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8:56 AM - 9:04 AM  Abstract # 202  An Implanted Radio Frequency Microstimulator for Muscle Excitation Sized for Pediatric Applications: An Evaluation Using a Canine Model
Presenting Author: Brian Smith MS

Presenting Author: Kevin Kilgore PhD

9:12 AM - 9:18 AM  Discussion

9:18 AM - 9:26 AM  Abstract # 204  An Implanted, EMG-Controlled Hand, Arm, Shoulder, and Trunk Neuroprosthesis for C5-C6 Spinal Cord injury
Presenting Author: Robert Kirsch

9:26 AM - 9:34 AM  Abstract # 205  Measuring Changes in ADL Performance After Neuroprosthesis Implantation
Presenting Author: Anne Bryden OTR/L

9:34 AM - 9:42 AM  Abstract # 206  An Implanted, 24-Channel Neuroprosthesis Using Nerve Cuff Electrodes for C1-C4 Spinal Cord Injury
Presenting Author: Robert Kirsch

9:42 AM - 9:48 AM  Discussion

9:48 AM - 10:00 AM  Meeting Logistics

10:00 AM - 10:15 AM  Break, Poster and Exhibit Viewing

SESSION 3

10:15 AM - 12:00 PM  Free Papers: Outcome Instruments and Outcomes Research
Moderator: Anne Sinnott BPhty, MPhty
Moderator: Kevin Chung MD

10:15 AM - 10:23 AM  Abstract # 301  Application of the Canadian Occupational Performance Measure as a Means to Evaluate Reconstructive Procedures in Persons with Tetraplegia
Presenting Author: Kim Costello RN, BSN

10:23 AM - 10:31 AM  Abstract # 302  Development of an Objective Test of Upper Limb Function in Tetraplegia
Presenting Author: Ralph Marino MD

Presenting Author: Sukhvinder Kalsi-Ryan MSc, BScPT

10:39 AM - 10:45 AM  Discussion

10:45 AM - 10:53 AM  Abstract # 304  Assessment of Motor Capacities in Tetraplegic Patients After Upper Limb Functional Surgery
Presenting Author: Charles Fattal MD, PhD

10:53 AM - 11:01 AM  Abstract # 305  Perceived Satisfaction and Performance with Self-Assessment Goals After Surgical Grip Reconstruction in Tetraplegia
Presenting Author: Johanna Wangdell OT
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11:01 AM - 11:07 AM  Discussion

Presenting Author: Andreas Gohritz MD

11:15 AM - 11:23 AM  Abstract # 308  Upper Limb Surgery in Tetraplegic Patients Over 60 Years – You Are Never too Old to Improve
Presenting Author: Jan Fridén MD, PhD

Presenting Author: Marc Revol

11:31 AM - 11:37 AM  Discussion

11:37 AM - 11:45 AM  Abstract # 310  Critical Analysis of the Results of the Rehabilitative Surgery of the High Tetraplegic Patients
Presenting Author: Manlio Ottonello

11:45 AM - 11:53 AM  Abstract # 312  Evidence for Muscle Re-Education Following Tendon Transfer in Spinal Cord Injury
Presenting Author: M. Elise Johanson DPT, MS

11:53 AM - 12:00 PM  Discussion

SESSION 4

12:00 PM - 12:30 PM  Free Papers: Utilization of Reconstructive Surgeries
Moderator: Hunter Peckham PhD
Moderator: Charles Hamlin MD

12:00 PM - 12:08 PM  Abstract # 401  Enhancing Upper Extremity Function with Reconstructive Surgery in Persons with Tetraplegia: A Review of the Literature
Presenting Author: Sandra Connolly BHScOT

12:08 PM - 12:16 PM  Abstract # 402  Why Some Patients Choose Not to Have Tendon Transfer Surgery
Presenting Author: Cathy Cooper

12:16 PM - 12:24 PM  Abstract # 403  A Qualitative Study of the Reasons for Underutilization of Tendon Transfers in Surgically Indicated Individuals with Tetraplegia
Presenting Author: Rebecca Ozelie OTR/L

12:24 PM - 12:30 PM  Discussion

12:30 PM - 12:35 PM  Contemporary Trends in Upper Limb Management: European Perspective
Presenter: Caroline Leclercq MD
Moderator: Scott Kozin MD

12:35 PM - 12:38 PM  Discussion

12:38 PM  Adjourn

12:45 PM  Bus Service to: Sofitel Hotel, Reading Market (Center City), South Philadelphia (Home of Phily Cheese Steaks)
Wednesday, September 19, 2007

6:30 AM  Bus Pickup at Sofitel

7:00 AM - 7:30 AM  Breakfast, Poster & Exhibit Viewing

SESSION 5

7:30 AM - 8:00 AM  Founders' Lecture: To Whom Should We Listen?
Presenter: Michael Keith MD
Moderator: Alastair Rothwell PhD

8:00 AM - 8:15 AM  Discussion

8:15 AM - 8:20 AM  Contemporary Trends in Upper Limb Management: Canadian Perspective
Presenter: Sukhvinder Kalsi-Ryan MSc, BScPT
Moderator: Marc Revol

8:20 AM - 8:23 AM  Discussion

8:23 AM - 9:09 AM  Free Papers: Elbow Extension
Moderator: Caroline Laclercq MD
Moderator: Antonio Landi MD

8:23 AM - 8:31 AM  Abstract # 501 Posterior Deltoid to Triceps: A Clinical and Roentgenological Study
Presenting Author: Arvid Ejeskär MD, PhD

8:31 AM - 8:39 AM  Abstract # 502 Experience with 31 Posterior Deltoid-to-Triceps Transfers Using a Designer Dacron Prosthesis
Presenting Author: Natasha van Zyl MBChB, FRACS

8:39 AM - 8:45 AM  Discussion

8:45 AM - 8:53 AM  Abstract # 504 Elbow Extension Reconstruction in Upper Limb Functional Surgery for Tetraplegic Patients
Presenting Author: Charles Fattal MD, PhD

8:53 AM - 9:01 AM  Abstract # 505 Dynamic Electromyographic Evaluation of Adolescents with Traumatic Cervical Injury after Biceps to Triceps Transfer: The Role of Phasic Contraction
Presenting Author: David Hutchinson MS, PT

9:01 AM - 9:09 AM  Abstract # 506 Shortened Rehabilitation Period After Reconstruction of Elbow Extension in Tetraplegia
Presenting Author: Istvan Turcsanyi MD

9:09 AM - 9:15 AM  Discussion

9:15 AM - 9:45 AM  Keynote Address: Spinal Cord and Nerve Regeneration: An International Perspective
Keynote Speaker: Dalton Dietrich PhD
Moderator: Jan Fridén MD, PhD

9:45 AM - 10:00 AM  Discussion

10:00 AM - 10:30 AM  Break, Poster and Exhibit Viewing
**Wednesday, September 19, 2007**

10:30 AM - 10:35 AM  **Contemporary Trends in Upper Limb Management: Asian Perspective**
Presenter: Josephine Wy Ip MD
Moderator: Michael Keith MD

10:35 AM - 10:38 AM  **Discussion**

10:38 AM - 11:08 AM  **Keynote Address: Epidemiology of Pediatric SCI: Past, Present & Future**
Presenter: Michael DeVivo MD, PhD
Moderator: Amir Samdani MD

11:08 AM - 11:23 AM  **Discussion**

11:23 AM - 12:05 PM  **Pediatric SCI Symposium**
Moderator: Michelle James MD
Moderator: Amir Samdani MD

11:23 AM - 11:28 AM  **Abstract # PSCI 101 Ambulation in Children and Youth with Spinal Cord Injuries**
Presenting Author: Lawrence Vogel MD

11:28 AM - 11:33 AM  **Abstract # PSCI 102 Outcomes of Urinary Diversion in Children with Spinal Cord Injuries**
Presenting Author: Lisa Merenda MSN, RN, CRRN

11:33 AM - 11:38 AM  **Abstract # PSCI 103 Adult Outcomes of Individuals with Pediatric-Onset Spinal Cord Injuries: Tetraplegia Compared with Paraplegia**
Presenting Author: Caroline Anderson PhD

11:38 AM - 11:43 AM  **Abstract # PSCI 104 Orthopaedic Considerations in the Child and Adolescent with Tetraplegia Secondary to Spinal Cord Injury**
Presenting Author: Randal Betz MD

11:43 AM - 11:48 AM  **Abstract # PSCI 105 Risk Factors and Causes of Death Following Pediatric Spinal Cord Injury**
Presenting Author: Michael DeVivo MD, PhD

11:48 AM - 11:53 AM  **Abstract # PSCI 106 Restoration and Refinement of Grasp Control in Children with Tetraplegia**
Presenting Author: Susan Duff EdD, PT, OT, CHT

11:53 AM - 12:05 PM  **Discussion**

12:05 PM - 1:00 PM  **Poster Viewing (9th Floor) and Lunch (6th Floor)**

1:00 PM - 1:30 PM  **Keynote Address: Preserving Arm Function in SCI – Introduction to the Clinical Practice Guidelines**
Presenter: Michael Boninger MD
Moderator: Michael Bednar MD

1:30 PM - 1:45 PM  **Discussion**

1:45 PM - 2:55 PM  **Walking Break**
Wednesday, September 19, 2007

2:55 PM - 4:00 PM  
**Instructional Course Lectures**

**ICL 1: Practicing the UE Clinical Practice Guidelines: Using Wheelchair Propulsion Assessment in Propulsion Training, Wheelchair Comparison and Justification**
Presenters: Ron Boninger, Tina Roesler
Motion Analysis Lab, 5th Floor

**ICL 2: Early Recognition and Prevention of Complications in Upper Extremities of Patients with Mid-Level Incomplete Cervical Spinal Cord Injury: An Instructional Course**
Presenters: Kenneth Parsons MD, Erin Henry OTR
Conference Center, 9th Floor

4:00 PM - 4:10 PM  
**Break - FINAL Poster Viewing**

4:15 PM - 5:00 PM  
**Keynote Address: Between the Extremities: Spinal Cord Injury and What it Means to Be Human**
Keynote Speaker: Daniel Gottlieb PhD
Moderator: Caroline Anderson PhD
Moderator: Heather Russell PhD

5:00 PM - 5:15 PM  
**Discussion**

5:15 PM  
**Adjourn - Bus Service to Sofitel Hotel**
Thursday, September 20, 2007

6:30 AM  Bus Pickup at Sofitel

7:00 AM - 7:30 AM  Breakfast & Exhibit Viewing

SESSION 6

7:30 AM - 7:35 AM  Tribute to Mr. Alan Clarke
Presenter: Alastair Rothwell PhD

7:35 AM - 7:40 AM  Contemporary Trends in Upper Limb Management: Australia Perspective
Presenter: Stephen Flood
Moderator: Arvid Ejeskär MD, PhD

7:40 AM - 7:43 AM  Discussion

7:43 AM - 8:23 AM  Free Papers: Basic Science and Biomechanics
Moderator: Hunter Peckham PhD
Moderator: Wendy Murray PhD

7:43 AM - 7:51 AM  Abstract # 601  Muscle and Tendon Length Adaptations to Acute Tendon Transfer
Presenting Author: Jan Fridén MD, PhD

7:51 AM - 7:59 AM  Abstract # 602  Brachioradialis Muscle Volume and Length Following Tendon Transfer
Presenting Author: Katherine Holzbaur PhD

7:59 AM - 8:07 AM  Abstract # 603  A Novel Method for Control of Muscle Spasticity
Presenting Author: Kevin Kilgore PhD

8:07 AM - 8:15 AM  Abstract # 604  Using Constraint Modelling to Predict the Upper Body Strength Capabilities of People with Tetraplegia
Presenting Author: Shayne Gooch PhD

8:15 AM - 8:23 AM  Discussion

SESSION 7

8:23 AM - 9:03 AM  Free Papers: Complications in Upper Limb Management & Misc. Topics
Presenter: Allan Peljovich MD, MPH
Moderator: Albert Weiss MD

8:23 AM - 8:31 AM  Abstract # 701  Occurrence and Impact of Spinal Cord Injury Related Complications Involving Upper Extremities in Tetraplegia During First Year After Injury
Presenting Author: Govert Snoek MD, PhD

8:31 AM - 8:39 AM  Abstract # 702  Detection, Prevention and Treatment of Shoulder Pains in Tetraplegic Patients Using the SGC Method
Presenting Author: Thierry Marc Physioterapist

8:39 AM - 8:47 AM  Abstract # 703  Biceps to Triceps Transfer for Elbow Extension in Persons with Tetraplegia: An Assessment of Complications
Presenting Author: Scott Kozin MD
Thursday, September 20, 2007

8:47 AM - 8:55 AM  Abstract # 704  The Role of Tenolysis in the Transferred Tendon in Tetraplegia
Presenting Author: Antonio Landi MD

8:55 AM - 9:03 AM  Discussion

9:03 AM - 9:11 AM  Abstract # 705  Brachial Plexus Lesion in Spinal Cord Injuries: A Multicentric Study
Presenting Author: Antonio Landi MD

9:11 AM - 9:19 AM  Abstract # 706  Scapular Stabilization in the Patient with Spinal Cord Injury
Presenting Author: Joshua Pahys MD

9:19 AM - 9:27 AM  Abstract # 707  Distal Ulnar Intrinsic Release in Patients with Tetraplegia
Presenting Author: Carina Reinholdt MD

9:27 AM - 9:35 AM  Abstract # 708  Isolated Pronation Osteotomy of the Radius for Forearm Supinating Contracture in High-Level Tetraplegic Patients: Overview of 11 Cases
Presenting Author: Bertrand Coulet MD, PhD

9:35 AM - 9:43 AM  Discussion

9:43 AM - 9:48 AM  Contemporary Trends in Upper Limb Management: USA Perspective
Presenter: Charles Hamlin MD
Moderator: Caroline Leclercq MD

9:48 AM - 9:51 AM  Discussion

9:51 AM - 10:15 AM  Walking & Snack Break

10:15 AM - 11:15 AM  Instructional Course Lectures
ICL 3: Shoulder Modeling and Reachable Workspace
Presenter: Carole Tucker PhD
Motion Analysis Lab, 5th Floor

ICL 4: Incomplete Tetraplegia: Surgical Evaluation and Treatment Techniques
Presenters: V. Rod Hentz MD, Caroline Leclercq MD, Wendy Murray PhD
Conference Center, 9th Floor

11:15 AM - 11:25 AM  Walking Break

11:25 AM - 11:55 AM  Keynote Address: Recent Advances in Upper Limb Mobility with Implanted Neuroprosthesis
Keynote Speaker: Hunter Peckham PhD
Moderator: Randal Betz MD

11:55 AM - 12:10 PM  Discussion

12:10 PM - 1:00 PM  Lunch (6th Floor)
Thursday, September 20, 2007

SESSION 8

1:00 PM - 1:30 PM  Free Papers: *Wheelchair Propulsion*
Moderator: Michael Boninger MD
Moderator: Alastair Rothwell PhD

1:00 PM - 1:08 PM  Abstract # 801  *Improved Wheelchair Manoeuvrability After Reconstructive Hand Surgery in Tetraplegia*
Presenting Author: Ann-Sofie Lamberg RPT, MSc

1:08 PM - 1:16 PM  Abstract # 802  *A Procedure for Measuring Manual Wheelchair Propulsion Ability for People with Spinal Cord Injuries*
Presenting Author: Shayne Gooch PhD

1:16 PM - 1:24 PM  Abstract # 803  *Quantifying Manual Wheelchair Propulsion Ability vs. Injury Level for People with Spinal Cord Injuries*
Presenting Author: Shayne Gooch PhD

1:24 PM - 1:30 PM  Discussion

1:30 PM - 2:00 PM  Keynote Address: *ICF Core Set Development Project for SCI – Practicalities and Pragmatics of the WHO’s Western Pacific Region Representation*
Keynote Speaker: Anne Sinnott BPhty, MPhty
Moderator: Michael DeVivo MD, PhD

2:00 PM - 2:15 PM  Discussion

2:15 PM - 2:20 PM  Closing Remarks
Moderator: Scott Kozin MD

2:20 PM - 2:30 PM  Business Meeting 2007

2:30 PM  Adjourn
Bus Service to Sofitel
Bus Service to Philadelphia International Airport