

International Meeting on Upper Limb in Tetraplegia
Shriners Hospitals for Children, Philadelphia, PA
September 17-20, 2007

SURGICAL PRE-COURSE

Upper Extremity Reconstruction in Tetraplegia: Live Surgery

Course Chair: Scott Kozin MD

Surgical Pre-Course Objectives:

After completion of this program, participants should be better able to:

- Identify the indications for upper extremity surgery for persons with spinal cord injury.
- Evaluate the surgical options and techniques to achieve upper extremity reconstruction for persons with spinal cord injury.
- Review the relevant anatomy as it relates to surgical reconstruction of the upper limb.

AGENDA – Monday, September 17, 2007

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| 6:30 AM | Bus departs from Sofitel Hotel |
| 7:00 AM – 7:45 AM | Registration and Breakfast
Pre-Conference Area, 9 th Floor |
| 7:45 AM – 7:55 AM | Introduction and Welcome
Scott Kozin MD, Peter Armstrong MD
Conference Center, 9 th Floor |
| 7:55 AM – 8:00 AM | Break into Separate Pre-course Sessions
Surgery Pre-Course – Conference Center, 9 th floor
Outcomes Pre-Course – Board Room, 9 th floor |
| 8:00 AM – 2:20 PM | Live Surgical Demonstrations
Moderator: Albert Weiss MD
Conference Center, 9 th Floor <ul style="list-style-type: none">• Biceps to Triceps Tendon Transfer• Restoration of Active Pinch<ul style="list-style-type: none">▪ Split flexor pollicis longus▪ Laser Measurement of Sarcomere• Restoration of Active Grasp• Restoration of wrist extension |
| 12:00 PM – 12:45 PM | Working Lunch |
| 2:20 PM – 2:30 PM | Walking Break |

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SURGICAL PRE-COURSE AGENDA CONTINUED

- 2:30 PM – 2:35 PM **Patient Demonstrations (both courses combined)**
Shriners Hospital Conference Center, 9th Floor
Facilitator: Randal Betz MD
- 2:35 PM – 3:15 PM **Elbow Extension Transfers**
Discussants: Caroline Leclercq MD, Michael Keith MD, Michelle James MD, Dave Hutchinson MS, PT, Kevin Chung MD
- **Biceps to Triceps**
 - **Deltoid to Triceps**
 - **Rehabilitation Protocol**
 - **Outcomes**
- 3:15 PM – 3:20 PM Break
- 3:20 PM – 4:00 PM **Grasp and Pinch and Intrinsic Reconstruction**
Discussants: Michael Bednar MD, Ross Nathan MD, James House MD, Alastair Rothwell MD, Kevin Chung MD
- **Restoration of Grasp**
 - **Restoration of Pinch**
 - **Thumb Stabilization Procedures**
 - **Intrinsic Reconstruction**
- 4:00 PM – 4:05 PM Break
- 4:05 PM – 4:50 PM **Pre-Operative Evaluation and Surgical Decision Making**
Discussants: Michelle James MD, V. Rod Hentz MD, Michael Keith MD, Kevin Chung MD
- Timing of Surgery – Age, time since injury
 - Complications
 - Contractures and Repeat Surgeries
 - Freehand Users, neurologic recovery, subsequent tendon transfers
 - Elbow extension: deltoid to triceps – biceps to triceps
- 4:50 PM **Adjourn**
- 6:30-9:00 PM **Course Reception and Dinner**
The College of Physicians of Philadelphia, Mutter Museum
19th S. 22nd Street

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OUTCOMES PRE-COURSE

Outcomes Research in Tetraplegia (Didactic Session)

Course Chairs: M.J. Mulcahey PhD, OTR/L, Anne M. Bryden OTR/L,
Anne Sinnott BPhy, MPhty

Outcomes Pre-course Objectives:

After completion of this program, participants should be better able to:

- Create a didactic environment to learn and share knowledge on outcome measures and research for the upper extremity spinal cord injury population.
- Discuss an overview of outcome measures for the upper extremity spinal cord injury population.
- Compare current and future outcome studies research with the upper extremity spinal cord injury population.
- Identify future research needs and goals in upper extremity spinal cord injury population.
- Design and Critique future clinical trials for upper extremity spinal cord injury population.

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7:55 AM – 8:00 AM	Break into Separate Pre-course Sessions Surgery Pre-Course – Conference Center, 9 th floor Outcomes Pre-Course – Board Room, 9 th floor
8:00 AM – 8:40 AM	Keynote Address: Outcomes Research Kevin Chung MD
8:40 AM – 8:50 AM	Discussion M.J. Mulcahey PhD, OTR/L

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OUTCOMES PRE-COURSE AGENDA CONTINUED

- 8:50 AM – 9:45 AM **Panel Debate: Whose Outcome Is It Anyway?**
Facilitator: Anne Sinnott BPhy, MPhty, Anne M. Bryden OTR/L
Panel: Kevin Chung MD, Jennifer Dunn PT, Michael Keith MD,
Ralph Marino MD, Wendy Murray PhD
- 9:45 AM – 10:00 AM Break
- 10:00 AM – 10:20 AM **Enhancing Upper Extremity Function with Reconstructive Surgery in Persons with Tetraplegia: A Review of the Literature**
Presenting Author: S.J. Connolly BHScOT
- 10:20 AM – 10:30 AM **Discussion**
Ralph Marino MD
- 10:30 AM – 10:45 AM **Enhancing Outcomes Measurement after Upper Extremity Reconstruction in Tetraplegia: A Review of the Measures.**
Anne M. Bryden OTR/L, Mary Beth Lipka MPH
- 10:45 AM – 10:55 AM **Discussion**
Ralph Marino, MD
- 10:55 AM – 11:25 AM **Future Recommendations for Research in UE SCI- What Needs to Be Done and What are The Unanswered Questions?**
Kevin Chung MD
- 11:25 AM – 11:35 AM **Discussion**
Michael W. Keith MD
- 11:35 AM – 1:30 PM **Working Lunch: Designing Prospective Clinical Trials**
- 1:30 PM – 2:00 PM **Presentations and Constructive Critique of Lunch Time Trials**
M.J. Mulcahey PhD, OTR/L
- 2:00 PM – 2:20 PM **Discussion and Consensus Building**
Kevin Chung MD
- 2:20 PM – 2:30 PM Walking Break

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