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

6:30 AM Bus departs from Sofitel Hotel

7:00 AM – 7:45 AM Registration and Breakfast
Pre-Conference Area, 9th Floor

7:45 AM – 7:55 AM Introduction and Welcome
Scott Kozin MD, Peter Armstrong MD
Conference Center, 9th Floor

7:55 AM – 8:00 AM Break into Separate Pre-course Sessions
Surgery Pre-Course – Conference Center, 9th floor
Outcomes Pre-Course – Board Room, 9th floor

8:00 AM – 2:20 PM Live Surgical Demonstrations
Moderator: Albert Weiss MD
Conference Center, 9th Floor
- Biceps to Triceps Tendon Transfer
- Restoration of Active Pinch
  - Split flexor pollicus 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
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  
  o 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
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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Conference Center, 9th Floor

7:55 AM – 8:00 AM  Break into Separate Pre-course Sessions
Surgery Pre-Course – Conference Center, 9th floor
Outcomes Pre-Course – Board Room, 9th 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
OUTCOMES PRE-COURSE AGENDA CONTINUED

8:50 AM – 9:45 AM  Panel Debate: Whose Outcome Is It Anyway?
Facilitator: Anne Sinnott BPhty, 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

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
OUTCOMES PRE-COURSE AGENDA CONTINUED

2:30 PM – 2:35 PM  **Patient Demonstrations (both courses combined)**  
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