HONORED PROFESSORS:
Nancy N. Byl, PT, PhD, MPH, FAPTA
Susan V. Duff, EdD, PT, OT/L, CHT
Neal C. Chen, MD
Jeffrey A. Greenberg, MD
Warren C. Hammert, DDS, MD
Michael W. Neumeister, MD

CHAIRMEN:
Terri M. Skirven, OTR/L, CHT
Jane M. Fedorczyk, PT, PhD, CHT
Jenifer M. Haines, MS, OTR/L, CHT
A. Lee Osterman, MD
Lauren M. DeTullio, MS, OTR/L, CHT
Sheri B. Feldscher, OTR/L, CHT

Pediatric Upper Extremity Pre-Course for Surgeons and Therapists
Friday, March 23, 2018

CHIEF INSTRUCTOR:
Joshua M. Abzug, MD
Scott H. Kozin, MD
Dan A. Zlotolow, MD

A one-day course of pediatric upper extremity surgery and therapy that focuses on common, traumatic and congenital conditions.

Endorsed By

AAHS American Association of Hand Surgery
THE 2018 PHILADELPHIA MEETING

The Philadelphia Hand Rehabilitation Foundation is proud to present the 44th annual symposium, Surgery and Rehabilitation of the Hand. The 2018 program will provide evidence informed practice in the care of upper extremity injuries and conditions, presented by a distinguished faculty of surgeons and therapists. Laboratory sessions, panel discussions, hands-on workshops and orthotic fabrication labs will complement the general didactic sessions.


SATURDAY, MARCH 24, 2018

8:00am Welcome and Introduction of Honored Professors
Lawrence H. Schneider, MD
Terri M. Skirven, OTR/L, CHT

HAND BASICS
Moderator: Neal Chen, MD

8:15am Trending Topics: Fake News or Hard Facts?
Joy C. MacDermid, BScPT, PhD

8:30am Anatomy of the Hand
Dave Ebaugh, PT, PhD, OCS

8:50am Clinical Examination of the Hand
Jennifer M. Haines, MS, OTR/L, CHT

9:10am The Biology of Wound Healing
Maureen A. Hardy, MS, PT, CHT

9:30am Wound Coverage Techniques
Adam B. Strohl, MD

10:05am Edema and Scar Management
Karen M. Pettengill, MS, OTR/L, CHT

10:20am Break/Exhibits

11:50am Trends in the Management of Proximal Interphalangeal Joint Injuries
Eon K. Shin, MD

12:10pm Management of the Stiff Proximal Interphalangeal Joint
Karen S. Schultz, MS, OTR, FAOTA, CHT

12:30pm Lunch/Exhibits

Tendon Injuries and Conditions
Moderator: Terri M. Skirven, OTR/L, CHT

1:30pm Flexor Tendon Injury and Repair
Rowena McBeath, MD, PhD

1:50pm WALANT - Wide Awake; No Anesthesia; No Tourniquet Technique
Donald H. Lalonde, MD

2:05pm Rehabilitation Following Flexor Tendon Repairs
Nancy M. Cannon, OTR/L, CHT

2:35pm Half a Fist of True Active Movement vs. Full Fist Place and Hold
Donald H. Lalonde, MD

2:45pm The Use of Purposeful Activity for Flexor Tendon Rehabilitation: When, How and Why
Karen M. Pettengill, MS, OTR/L, CHT

3:00 Break/Exhibits

3:30 Concurrent Sessions 1 -10

Please refer to the list of concurrent sessions at the right. Registration fee includes one concurrent session. Kindly indicate 3 sessions, in order of preference, on the attached registration form. Concurrent sessions will be assigned based on your list of preferences and availability of space.

5:30 Saturday Sessions End
1. **Surgical Procedures & Post-Op Protocols: Shoulder Conditions**  
Neal C. Chen, MD; Jason A. Suda, MOTR/L, CHT  
Important to the successful care of the patient with a shoulder injury is a coordinated approach between the surgeon and therapist. This session will present such an approach with a surgeon-therapist team presenting the surgical and non-surgical management and rehabilitation guidelines for selected shoulder conditions.

2. **Orthotic Fabrication: Elbow Orthosis**  
**Moderator:** Lauren J. O’Donnell, OTR/L, CHT  
**Assistants:** Karen Davis, COTA  
Roberta Morris, OTR/L, CHT; Marie G. Sayers, OTR/L, CHT  
The faculty will provide an overview of the indications for orthotic intervention of the elbow post-operatively and following acute injury. A variety of elbow orthotic designs and therapeutic techniques will be discussed to improve the efficiency of fabrication and secure fit of the orthosis. Participants will have the opportunity to fabricate a long arm orthosis.

3. **Joint Mobilization – Shoulder**  
**Moderators:** Jane M. Fedorczyk, PT, PhD, CHT  
Frank Fedorczyk, PT, DPT  
**Assistants:** Kenneth Taylor, PT, DPT, OCS  
Deborah K. Reich, PT, DPT, CHT  
Matt Conoscenti, DPT, OCS, COMT, CEEAA  
This session will offer an evidence-informed overview of joint-based manual therapy principles to be used to manage pain and/or recovery of range of motion. Participants will practice mobilization techniques for the shoulder complex including the scapula. Recommendations for clinical application will be provided. Lab attire recommended.

4. **Therapy Practice Management**  
Christopher Reynolds, PT, MHS, CHT  
Terri L. Wolfe, OTR/L, CHT  
This session will cover a variety of topics related to therapy practice management including coding and billing for hand therapy services, an update on the orthotics credentialing controversy, reimbursement, marketing and suggestions for containing costs. Participants are encouraged to bring questions to participate in an open discussion.

5. **Extensor Tendon Case Conundrums**  
**Moderator:** Roslyn B. Evans, OTR/L, CHT  
**Panelists:** Randall W. Culp, MD  
Rowena McBeath, MD, PhD  
Karen M. Pettengill, MS, OTR/L, CHT  
Karen S. Schultz, MS, OTR, FAOTA, CHT  
This panel will promote through case presentation and discussion the conundrums that clinicians face related to extensor tendon injuries, repairs and rehabilitation approaches.

6. **HTCC**  
J. Martin Walsh, OTR/L, CHT  
This session will cover the history of hand therapy certification, scope of practice and practice analysis. The certification test blueprint and item writing process will be reviewed as well as eligibility requirements. Test preparation strategies, study groups and resources will also be covered. Newly certified hand therapists will be available to discuss their strategies for test preparation.

7. **Edema Management**  
**Faculty:** Sheri B. Feldscher, OTR/L, CHT  
Norah Malkinski, OTR/L, CHT, CLT  
This session will provide an overview of post-traumatic and post-surgical edema management for the upper extremity. The pathophysiology of edema including basic anatomy and physiology of the lymphatic and venous systems will be covered as a foundation for understanding management techniques. Examination and interventions such as compression bandaging and manual edema mobilization will be demonstrated and practiced.

8. **Management of Pain Conditions in the Upper Limb**  
**Faculty:** Mark T. Walsh, PT, DPT, MS, CHT  
Joy C. MacDermid, BScPT, PhD  
This session will provide an overview of selected pain conditions of the upper limb including nerve compression syndromes and complex regional pain syndrome. Assessment procedures including clinical neurodynamic testing will be covered. Rehabilitation strategies will be presented and supported by a review of the evidence in current peer-reviewed literature.

9. **Overuse Shoulder and Elbow Injuries in the Athlete**  
**Faculty:** Angela Tate, PT, PhD  
Brian J. Eckenrode, PT, DPT, MS, OCS  
Overuse injuries can frequently affect the overhead athlete. Understanding the biomechanical demands of the shoulder and elbow in conjunction with the kinetic chain is paramount to management of these injuries. This session will present the current best practice treatment of upper extremity overuse injuries in the athlete while focusing on the assessment, management and return to sport guidelines. Participants will have the opportunity to practice kinetic chain evaluation techniques and are invited to wear lab attire if desired.

10. **Recovery of Function Following Hand and Upper Limb Amputation**  
**Moderator:** Gayle Severance, MS, OTR/L, CHT  
**Panelists:** Kevin J. Barnes, CP, CTP  
Christopher Bollinger, MOT, OTR  
R. Glenn Gaston, MD; L. Scott Levin, MD  
This panel will present an expanded discussion of the latest approaches in surgery and rehabilitation to promote functional recovery in the patient with an upper limb amputation. Topics will include upper extremity transplantation; prosthetic options; targeted muscle re-innervation and prosthetic training.
SUNDAY, MARCH 25, 2017

Tendon Injuries and Conditions (continued)
Moderator: Peter J. Stern, MD

8:00am  Extensor Tendon Injuries and Repairs
         John D. Lubahn, MD

8:20am  Clinical Decision Making Following Extensor
         Tendon Injuries and Repairs
         Roslyn B. Evans, OTR/L, CHT

8:50am  The Relative Motion Concept for Extensor
         Tendon Injury: Is That All There Is?
         Donald H. Lalonde, MD

9:05am  What Say You? A Lightning Round Panel
         Moderator: Roslyn B. Evans, OTR/L, CHT
         Panelists: Donald H. Lalonde, MD;
                    John D. Lubahn, MD; A. Lee Osterman, MD;
                    Peter J. Stern, MD

9:30am  Break/Exhibits

Neurologic Conditions
Nancy N. Byl, PT, PhD, MPH, FAPTA

10:00am Priming the Nervous System for Learning
        Nancy N. Byl, PT, PhD, MPH, FAPTA

10:30am Optimizing Sensorimotor Control After
        Peripheral Nerve Injury
        Susan V. Duff, EdD, PT, OT/L, CHT

10:50am Nerve Lacerations and Repairs
        Patrick M. Kane, MD

11:05am Therapy Following Nerve Injury and Repair
        Mark T. Walsh, PT, DPT, MS, CHT

11:25am Nerve Transfers
        Leonik I. Katolik, MD

11:40am Rehabilitation following Nerve Transfer
        Jane M. Fedorczyk, PT, PhD, CHT
        Annalisa Synnestvedt, MOT, OTD

12:00pm Lunch/Exhibits

1:00pm Concurrent sessions 11-21
      Please refer to the list of concurrent sessions at the right.
      Kindly indicate 3 choices for the 1:00 session, in order
      of preference, on the attached registration form.
      Concurrent sessions will be assigned based on your list
      of preferences and availability of space.

3:00pm Break/Exhibits

3:30pm Concurrent sessions 11-21 (repeated)
      Please refer to the previous instructions.
      Kindly indicate 3 choices for the 3:30 session, in order
      of preference, on the attached registration form.

5:30 Sunday Sessions End

CONCURRENT SESSIONS

11. Electrotherapy for Hand and Upper Limb
    Rehabilitation
    Moderator: Jane M. Fedorczyk, PT, PhD, CHT
    Assistants: Kenneth Taylor, PT, DPT, OCS
                Christina Read, PT, DPT, CHT
    This session will present the use of electrotherapy for pain
    management and the recovery of motion in the hand and
    upper limb. Emphasis will be placed on clinical reasoning
    and evidence-informed practice. Case studies will be used to
    illustrate clinical applications.

12. Orthosis Fabrication: Extensor Tendon Injuries
    Zone by Zone
    Moderator: David M. Wolfe, OTR/L, CHT
    Assistants: Ariana Belles, OTR/L, CHT
                Colleen Burke, PTA
                Annalisa Synnestvedt, MOT, OTD
    During extensor tendon rehabilitation the therapist must
    protect healing tendons, encourage tendon gliding and
    facilitate functional grasp and prehension while preventing
    extensor lag. Participants will fabricate various orthoses to
    immobilize, provide relative motion and short arc motion
    according to the zone of injury and stage of healing of the
    extensor tendon.

13. Joint Play in Motion
    Moderator: Karen S. Schultz, MS, OTR, FAOTA, CHT
    Assistants: Alison Furman, OTD, OTR/L
                Ellen G. Wilson, OTR/L, CHT
    This hands-on workshop will review traditional joint
    mobilization techniques for the elbow, forearm, wrist and
    hand as well as introduce new techniques to combine
    accessory motions with physiologic movement to reduce
    joint pain and/or improve range of motion.

14. Hand Assessment: Where is the Evidence?
    Moderator: Elaine E. Fess, OTR, OTD, FAOTA, CHT
                Laura Walsh, OTR/L, OTD, CHT
    This session will cover the use of standardized upper
    extremity assessments including tests of sensibility, dexterity,
    strength and hand function. Recent research regarding
    the correlation between handedness and grip strength
    will be discussed. Standardization, validity, and reliability
    of procedures and tests will be covered as well as the
    connection between clinical reasoning, treatment planning
    and evidence based practice.
15. **Clinical Examination of the Shoulder**  
**Moderator:** Brian G. Leggin, PT, DPT, OCS  
**Assistants:** Frank Fedorczyk, PT, DPT  
Brian Eckenrode, PT, DPT, MS, OCS  
This hands-on workshop will review surface anatomy, clinical evaluation of and special tests for the shoulder complex. Common shoulder pathology will be discussed in relation to physical findings. The role of the cervical spine in the production of shoulder pain will also be addressed.

16. **Clinical Examination of the Elbow**  
**Moderator:** Jason A. Suda, MS, OTR/L, CHT  
**Assistants:** Shanna Corbin, MS, OTR/L  
Marianne K. Dunphy, OTR/L  
Laura Fisher, PT, CHT  
Brady McGuire, OTR/L  
This session will cover clinical assessment of the elbow including tests for stability, mobility, strength and special tests for the elbow and interpretation of findings. Clinical reasoning in the development of a treatment plan based on findings will be illustrated. Reliability and validity of the techniques will be emphasized.

17. **Clinical Examination of the Wrist**  
**Moderator:** Caitlin McCormick, MS, OTR/L  
**Assistants:** Lois Bencardino, OTR/L  
Christos Karagiannopoulos, PT, PhD, ATC, CHT  
Gayle Severance, MS, OTR/L, CHT  
Teri Speakman, OTR/L, CHT  
This hands-on workshop will guide the participants through a systematic clinical examination of the wrist. A review of the anatomy and biomechanics will precede the lab. The provocative tests for wrist instability patterns will be demonstrated and practiced. Emphasis will be placed on the recognition of the signs and symptoms of a variety of common wrist conditions.

18. **Orthopaedic Assessment of the Nervous System**  
**Moderator:** Mark T. Walsh, PT, DPT, MS, CHT  
**Assistants:** Lauren M. DeTullio, MS, OTR/L, CHT  
Christopher Reynolds, PT, MHS, CHT  
Teresa Zapotochny, PT, CHT  
This hands-on session will provide the rationale, indications, treatment guidelines, precautions and contraindications for nerve mobilization. The process of neurodynamic testing of the upper extremity will be demonstrated and practiced.

19. **Innovative Treatment Strategies For Peripheral and Central Neurological Conditions**  
**Moderator:** Susan V. Duff, EdD, PT, OT/L, CHT  
Deborah Humpl, OTR/L  
Shailesh Kantak, PhD, PT  
Todd Levy, MS, OTR/L  
Gregory Thielman, PT, MSPT, EdD, ATC, CSRS  
This interactive workshop will review and demonstrate innovative treatment strategies currently being used or investigated to augment recovery after peripheral or central neurological injury in pediatric and adult clients. The range of topics will include the effective use of contingent reinforcement, active camp-and station-based, UE training sessions, priming with transcranial direct current stimulation (tDCS), and mapping recovery using transcranial magnetic stimulation (TMS). Audience participation is encouraged!

20. **Taping Techniques for the Upper Extremity**  
**Moderator:** Mary F. Loughlin, OTR/L, CHT  
**Assistants:** Matt Conoscenti, DPT, OCS, COMT, CEEAA  
MaryBeth LaPlant, PT, CHT  
Natania Streeter, OTR/L, CHT  
Jane Moore, OTR/L, CHT  
The use of kinesiology taping for a variety of upper extremity injuries and conditions will be demonstrated and practiced in this hands-on session. Instruction on the fundamentals of kinesiology taping will be given. Taping for facilitation, inhibition, protection, scar management and edema management will be addressed.

21. **Rehabilitation Strategies for the Injured Musician**  
**Nancy N. Byl, PT, PhD, MPH, FAPTA**  
**Aviva L. Wolff, EdD, OT, CHT**  
Rehabilitation of the injured musician presents unique challenges and is not complete without specific preparation of the musician to return to play. This session will include an overview of unique assessment procedures incorporating motion analysis; a discussion of musician neuroplasticity; and a structured return to play program. Overuse syndromes and focal dystonia will also be discussed.
### Neurologic Conditions – (continued)

**Moderator:** Susan V. Duff, EdD, PT, OT/L, CHT

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>8:00am</td>
<td>Fostering Motor Learning and Control During Upper Extremity Rehabilitation</td>
<td>Susan V. Duff, EdD, PT, OT/L, CHT</td>
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<tr>
<td>8:20am</td>
<td>Tendon Transfers Following Nerve Injury</td>
<td>Leonid I. Katolik, MD</td>
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<td>8:40am</td>
<td>Therapy Following Tendon Transfers</td>
<td>Marie G. Sayers, OTR/L, CHT</td>
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<tr>
<td>9:00am</td>
<td>Challenges of Upper Limb Functional Recovery Following Neurologic Injury</td>
<td>Nancy N. Byl, PT, PhD, MPH, FAPTA</td>
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<tr>
<td>9:20am</td>
<td>Brain to Hand: Trends in Pain Management</td>
<td>Susan W. Stralka, PT, DPT, MS, ACHE</td>
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<tr>
<td>9:40am</td>
<td>Dorothy B. Kaufmann International Scholarship Presentation</td>
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<td>9:50am</td>
<td>Hand Rehabilitation Foundation Announcements/Silent Auction</td>
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<tr>
<td>10:00am</td>
<td>Break/Exhibits</td>
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### Hypermobility

**Moderator:** Lauren M. DeTullio, MS, OTR/L, CHT

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<tr>
<td>10:30am</td>
<td>Hypermobility Syndromes</td>
<td>A. Lee Osterman, MD</td>
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<tr>
<td>10:45am</td>
<td>Therapeutic Techniques and Orthotic Intervention for Hypermobility</td>
<td>Rajani Sharma-Abbott, MHS, OTL/CHT</td>
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<tr>
<td>11:05am</td>
<td>Therapist’s Management of Wrist Instability</td>
<td>Aviva L. Wolff, EdD, OT, CHT</td>
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<tr>
<td>11:25am</td>
<td>Effect of Muscle Fatigue on Wrist Proprioception</td>
<td>Christos Karagiannopoulos, PT, PhD, ATC, CHT</td>
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<tr>
<td>11:45am</td>
<td>Therapist’s Management of Elbow Instability</td>
<td>Aviva L. Wolff, EdD, OT, CHT</td>
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<tr>
<td>12:05pm</td>
<td>Therapist’s Management of Extensor Tendon Subluxation</td>
<td>Terri L. Wolfe, OTR/L, CHT</td>
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<tr>
<td>12:20pm</td>
<td>Q &amp; A</td>
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<tr>
<td>12:30pm</td>
<td>Lunch/Exhibits</td>
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### Upper Extremity Amputations

**Moderator:** R. Glenn Gaston, MD

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<tr>
<td>1:30pm</td>
<td>Advances in Upper Extremity Prosthetics</td>
<td>Kevin J. Barnes, CP, CTP, LPNJ, LPPA</td>
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<tr>
<td>1:55pm</td>
<td>Targeted Muscle Re-innervation (TMR) to Improve Upper Limb Prosthetic Control</td>
<td>R. Glenn Gaston, MD</td>
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### Back by Popular Demand!

**Project Splint Pan**

**Monday, March 26th**

6:30 pm

A competition involving audience volunteers. Take a chance to participate in a splint design and fabrication competition.

**Host:** Terri L. Wolfe, OTR/L, CHT

**Panel of Judges:** Susan V. Duff, EdD, PT, OT/L, CHT
Terri M. Skirven, OTR/L, CHT
Elaine E. Fess, MS, OTR, FAOTA, CHT
David M. Wolfe, OTR/L, CHT
Lauren J. O’Donnell, OTR/L, CHT
22. **Research Tools for Everyday Clinical Practice**
   Joy MacDermid, BScPT, PhD
   This session will cover a practical approach to incorporating research tools and methods in the clinic. Patient reported outcomes and their relevance to the clinical reasoning process will be presented along with guidelines for case reports.

23. **Orthotic Fabrication: Creative Orthosis Solutions, Pearls, Tips and Tricks**
    **Moderator:** Marie Sayers, OTR/L, CHT
    **Assistants:** Katie L. Burkhart, OTR/L; Meredith McCaffery, OTR/L; Janice Trope, OTR/L, CHT
   This hands-on workshop will include a presentation of several examples of creative orthosis applications for a variety of diagnoses. Participants will practice a variety of orthosis fabrication techniques to accommodate pins and open wounds.

24. **Joint Mobilization: Elbow, Wrist, and Hand**
    **Faculty:** Jane M. Fedorczyk, PT, PhD, CHT
    Frank Fedorczyk, PT, DPT
    **Assistants:** Christina Read, PT, DPT, CHT
    Kenneth Taylor, PT, DPT, OCS
   This session will offer an evidence-informed overview of joint-based manual therapy principles to be used to manage pain and/or recovery of range of motion. Participants will practice mobilization techniques for the elbow, wrist, and hand. Recommendations for clinical application will be provided. Lab attire recommended.

25. **Strategies for Priming the Nervous System to Restore Motor Control**
    **Faculty:** Nancy Byl, PT, PhD, MPH, FAPTA
   We know the central and peripheral nervous systems have the capacity to adapt and change in response to aging, trauma, disease and aberrant learning. Based on principles of neuroplasticity it has become clear that the nervous system must be ready to learn. The purpose of this session is to discuss different ways of priming the nervous system to learn and how to apply these strategies in the clinic. Attendees will be able to develop new clinical priming strategies consistent with neurophysiologic principles.

26. **Flexor Tendon Case Conundrums**
    **Moderator:** Nancy M. Cannon, OTR/L, CHT
    Jeffrey A. Greenberg, MD; Rowena McBeath, MD, PhD
    Karen M. Pettengill, MS, OTR/L, CHT
   This panel will promote through case presentation and discussion the conundrums that clinicians face related to flexor tendon injuries, repairs and rehabilitation approaches.

27. **Understanding Diagnostic Testing: Imaging and Electrophysiological Evaluation**
    **Faculty:** David Hutchinson, PT, DSc, MS, ECS
   Comprehensive therapy treatment planning requires the ability to understand and incorporate the results of ancillary evaluation modalities such as xray, MRI and EMG. This session will provide an overview of diagnostic imaging and electrophysiological testing and how to interpret findings to allow appropriate goal setting and treatment planning.

28. **Proprioception Reeducation for the Hand and Upper Limb**
    **Moderator:** Christos Karagiannopoulos, PT, PhD, ATC, CHT
    **Assistants:** Karen S. Schultz, MS, OTR, FAOTA, CHT
    Rajani Sharma-Abbott, MHS, OTL/CHT
   This session will describe a rehabilitation approach to restore dynamic stability and function for individuals with instability of the hand and upper limb. Proprioceptive re-training techniques including kinesthesia awareness, neuromuscular rehabilitation, and mirror therapy will be covered.

29. **Graded Motor Imagery**
    **Faculty:** Susan W. Stralka, PT, DPT, MS, ACHE
   This session will describe the uses of Graded Motor Imagery for the rehabilitation of patients with complex pain conditions including CRPS and phantom limb pain. The developmental approach of laterality training, mental imagery and mirror therapy will be described. Participants will gain knowledge in the theory behind GMI as well as learn practical skills for clinical application of techniques.

30. **Surgical Procedures and Postoperative Protocols: Reconstruction of the Rheumatoid Hand and Wrist**
    **Faculty:** Terri L. Wolfe, OTR/L, CHT; John D. Lubahn, MD
   Important to the successful care of the patient with rheumatoid arthritis with wrist and hand involvement is a coordinated approach between the surgeon and therapist. This session will present such an approach with a surgeon-therapist team presenting the surgical and non-surgical management, rehabilitation guidelines and orthotic intervention for selected reconstructive procedures for the rheumatoid hand and wrist.
TUESDAY, MARCH 27, 2018

**Selected Upper Quarter and Elbow Conditions**  
A. Lee Osterman, MD

8:00am **Terrible Triad**  
Neal C. Chen, MD, Jason A. Suda, MOTR/L, CHT

8:20am **Elbow Fractures and Dislocations**  
Kenneth A. Kearns, MD

8:40am **Rehabilitation Following Elbow Fracture**  
Laura Walsh, MS, OTR/L, CHT

9:00am **One Bone Forearm**  
A. Lee Osterman, MD

9:20am **Scapula Dyskinesis: Assessment and Management**  
Philip J. McClure, PT, PhD

9:40am **Break**

10:00am **Conservative & Postoperative Therapy for Rotator Cuff Tears**  
Brian G. Leggin, PT, DPT, OCS

10:30am **Shoulder Pain in Competitive Swimmers**  
Angela Tate, PT, PhD

10:50am **Therapist’s Management of Shoulder Instability**  
Frank Fedorczyk, PT, DPT

**Trending Topics**  
Jane M. Fedorczyk, PT, PhD, CHT

11:00am **The Opioid Crisis: Can Hand Therapists Help?**  
Joy C. MacDermid, BScPT, PhD

11:20am **Trending Topics - Fact or Fiction?**  
**Moderator:** Jane M. Fedorczyk, PT PhD, CHT  
**Panelists:** Joy C. MacDermid, BScPT, PhD  
Karen S. Schultz, MS, OTR, FAOTA, CHT  
Susan W. Stralka, PT, DPT, MS, ACHE  
Terri L. Wolfe, OTR/L, CHT

12:00pm **Adjourn**

PRE-CONFERENCE SESSION  
WED–FRI, MARCH 21–23, 2018

**3-DAY TUTORIAL**  
Wednesday – Friday  
March 21-23, 2018

**Philadelphia Hand to Shoulder Center**  
Physician and Therapy Staff

$495.00 additional registration fee

Hand Rehabilitation Foundation is pleased to offer a 3-day tutorial prior to the opening of the symposium.

- 1 day in the operating room observing surgical procedures performed by a surgeon of The Philadelphia Hand to Shoulder Center
- 1 day with the surgeon at The Philadelphia Hand Center observing patient office hours
- 1 day with The Philadelphia Hand Center therapists in the Therapy Department observing treatment techniques
- Registration is limited and is offered on a first-come, first-served basis
- Registrants must be registered for the entire 3 1/2 day symposium
- Includes breakfast and lunch
- Tutorial registration fee is nonrefundable

**Continuing Education:** Continuing education certificates will be issued for 25 contact hours.
7:30 am  Welcome  
Joshua M. Abzug, MD; Scott H. Kozin, MD  
Dan A. Zlotolow, MD

The Comey Files: Congenital Shoulder/Elbow Conditions  
Moderator: Dan A. Zlotolow, MD
7:40 am  Arthrogryposis – Shoulder and Elbow  
Dan A. Zlotolow, MD
7:50 am  Sprengel’s  
Apurva S. Shah, MD
8:00 am  Torticollis  
Theresa O. Wyrick, MD
8:10 am  Therapy for Congenital Shoulder/Elbow Conditions  
Jenny M. Dorich, MBA, OTR/L, CHT
8:20 am  Case Presentations: Congenital Potpourri  
Moderator: Dan A. Zlotolow, MD  
Panelists: Jenny Dorich, MBA, OTR/L, CHT  
Apurva S. Shah, MD; Theresa O. Wyrick, MD

Trump’s Trauma  
Moderator: Christine A. Ho, MD
8:40 am  Clavicle Fractures/Malunions  
Scott H. Kozin, MD
8:50 am  Proximal Humerus Fractures/Malunions  
Joshua M. Abzug, MD
9:00 am  Supracondylar Fractures  
Christine A. Ho, MD
9:10 am  Lateral Condyle Fractures  
Martin J. Herman, MD
9:20 am  Medial Epicondyle Fractures  
Kevin Little, MD
9:30 am  Radial Neck Fractures  
Apurva S. Shah, MD
9:40 am  Monteggia Fracture Dislocations – Acute and Chronic  
Andrea S. Bauer, MD
9:50 am  Therapy - Trauma  
Reeti Douglas, OTD, OTR/L
10:00 am  Case Presentations: Trauma  
Moderator: Christine A. Ho, MD  
Panelists: Joshua M. Abzug, MD; Andrea S. Bauer, MD  
Reeti Douglas, OT; Martin J. Herman, MD; Scott H. Kozin, MD  
Kevin J. Little, MD; Apurva S. Shah, MD
10:30 am  Coffee Break

Nancy Pelosi’s Nerve  
Moderator: Scott H. Kozin, MD
11:00 am  Cubital Tunnel Syndrome  
Theresa O. Wyrick, MD
11:10 am  Acute Flaccid Myelitis – The New Polio?  
Dan A. Zlotolow, MD
11:20 am  SCI – Tendon Versus Nerve Transfer  
Scott H. Kozin, MD
11:30 am  Therapy - Nerve  
Sarah Ashworth, OTR/L
11:40 am  Case Presentations: Nerve  
Moderator: Scott H. Kozin, MD  
Panelists: Sarah Ashworth, OTR/L; Theresa O. Wyrick, MD  
Dan A. Zlotolow, MD

Barack’s Brachial Plexus  
Moderator: Roger Cornwall, MD
1:00 pm  Diagnosis and Evaluation Tools  
Joshua M. Abzug, MD
1:10 pm  Therapy for Shoulder Without Surgical Intervention  
Sarah Ashworth, OTR/L
1:20 pm  Therapy for Elbow and the Role of Botox  
Jenny M. Dorich, MBA, OTR/L, CHT
1:30 pm  Primary Surgery-Brachial Plexus  
Scott H. Kozin, MD
1:40 pm  Tendon Transfer Procedures – Lat/Teres, Lower Trap, Bi to Tri  
Apurva S. Shah, MD
1:50 pm  Nerve Transfer Procedures About the Shoulder and Elbow  
Roger Cornwall, MD
2:00 pm  Osteotomies – Humeral and Scapular  
Kevin J. Little, MD
2:10 pm  Case Presentations: BP  
Moderator: Roger Cornwall, MD  
Panelists: Joshua M. Abzug, MD; Sarah Ashworth, OTR/L  
Jenny M. Dorich, MBA, OTR/L, CHT; Scott H. Kozin, MD  
Kevin J. Little, MD; Apurva S. Shah, MD
2:30 pm  Coffee Break

Clinton’s CP  
Moderator: Scott H. Kozin, MD
3:00 pm  Treatment of the Elbow in CP/Spasticity  
L. Andrew Koman, MD
3:10 pm  Therapy for Children with CP  
Heta Parikh, OT, CHT
3:20 pm  Case Presentations: CP  
Moderator: Scott H. Kozin, MD  
Panelists: L. Andrew Koman, MD; Heta Parikh, OT, CHT

Senator Ryan’s Sports Injuries  
Moderator: Andrea S. Bauer, MD
3:30 pm  Little League Shoulder and Elbow - GIRD  
Christine A. Ho, MD
3:40 pm  Therapy-Shoulder/Elbow  
Heather Weesner, OT, CHT
3:50 pm  OCD of the Capitellum – Microfracture, OATS  
Andrea S. Bauer, MD
4:00 pm  UCL Repair vs. Reconstruction  
Roger Cornwall, MD
4:10 pm  Case Presentations: Sports Injuries  
Moderator: Andrea S. Bauer, MD  
Panelists: Roger Cornwall, MD; Christine A. Ho, MD  
Heather Weesner, OT, CHT
4:30 pm  Adjourn
*Symposium Faculty*

Kevin J. Barnes, CP, CTP, LPNJ, LPFA
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Honored Professor

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Honored Professor

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Aviva L. Wolff, EdD, OT, CHT
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*Pediatric Pre-Course Faculty*

Joshua M. Abzug, MD
Sarah Ashworth, OTR/L
Andrea S. Bauer, MD
Roger Cornwall, MD
Jenny M. Dorich, MB, OTR/L, CHT
Martin J. Herman, MD
Christine A. Ho, MD
L. Andrew Koman, MD
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Scott H. Kozin, MD
Kevin J. Little, MD
Heta Parikh, OT, CHT
Aruna Patwardhan, MD
Mary Beth Laplant, PT, CHT
Derek R. Mandel, MD
J. Martin Walsh, OTR/L, CHT
Lois Bendardino, OTR/L
Colleen C. Burke, PTA
Katie L. Barkhurst, OTR/L, CHT
Matt Conoscenti, DPT, OCS, COMT, CEAAA
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Karen Davis, COTA
Marianne K. Dunphy, OTR/L, CHT
Laura Fisher, PT, CHT
Alison Furman, OTD, OTR/L
Haley Hanlin, OTR/L
Mary Beth Laplant, PT, CHT
Meredith McCaffery, MS, OTR/L
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Tari Speelman, OTR/L, CHT
Natalie Streeter, OTR/L, CHT
Janice L. Trope, OTR/L, CHT
Ellen G. Wilson, OTR/L, CHT
Teresa M. Zapotochyn, PT, CHT

*The Philadelphia Hand to Shoulder Center Adjunct Faculty*

Ariana Belles, OTR/L, CHT
Lois Bendardino, OTR/L

*MEETING AND HOTEL INFORMATION*

Sheraton Philadelphia Downtown
201 N. 17th Street, Philadelphia, PA 19103
Room Rate: $199.00/night
Deadline for reduced rates is February 18, 2018.

*Hotel Reservations*

Please identify yourself as part of the Hand Rehabilitation Foundation group when calling the Reservations Center at 866-716-8134.

*CONTINUING EDUCATION*

Hand Rehabilitation Foundation designates this educational activity, Surgery and Rehabilitation of the Hand: Trending Topics in Hand to Shoulder Therapy, for a maximum of 26.25 contact hours. Partial attendance will earn prorated contact hours as follows: Saturday/Sunday/Monday 7.5 hours per day, Tuesday 3.75 hours.

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All faculty participating in continuing education programs sponsored by the Hand Rehabilitation Foundation are expected to disclose to the program audience any real or apparent conflict of interest related to the content of their presentation(s). Full disclosure of relationships will be made at the program.
Concurrent Session Selection
Please select the Concurrent Session you would like to attend on each day (refer to pages 3, 5, 7). Kindly indicate the Concurrent Session number of your first, second and third choices in order of preference for each day. Remember that space is limited and sessions will be assigned in order of paid registration only.

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<th>Day/Date</th>
<th>1st Choice</th>
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<tr>
<td>Saturday, March 24</td>
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<td>Sunday, March 25 – 1:00 pm</td>
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Register Online at www.HandFoundation.org

I am planning on attending the opening reception on Friday, March 23, 2018 from 6:00 – 8:00 pm. ☐ Yes ☐ No
I am planning to attend Project Splint Pan on Monday, March 26, 2018 from 6:30 – 8:30 pm. ☐ Yes ☐ No

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Contact Information
Phone 610.768.5958
Fax 610.768.8887
hrf@handfoundation.org

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Watch your email for details about downloading the App! There will be NO syllabus book.

Register Online at www.HandFoundation.org
Surgery and Rehabilitation of the Hand: Trending Topics in Hand to Shoulder Therapy

March 24 – 27, 2018
Sheraton Philadelphia Downtown Hotel

Pre-Course: Pediatric Upper Extremity for Surgeons & Therapists
Friday, March 23, 2018

Pre-Conference Session: 3-Day Tutorial
Wednesday - Friday, March 21-23, 2018