

## FACULTY

### **P**aul J. Bonzani, OTR/L, CHT, M.H.S.

Clinical Assistant Professor University of New Hampshire Dept. of Occupational Therapy. Throughout his career he has had the fortunate opportunity to work with some of the finest hand surgeons and therapists in the country having held management positions at both The University of Vermont—Fletcher Allen Medical Center and Duke University Medical Center. Additionally he has been an adjunct instructor in both the Duke University Physical Therapy Program and the Program in Occupational Science at the University of North Carolina-Chapel Hill. Mr. Bonzani brings 23 years of clinical experience in orthopedic and industrial rehabilitation. Paul has presented nationally in the areas of biomechanics and rehabilitation of the shoulder, nerve compression syndromes, RSI/CTD management and pain syndromes. He has published on the subjects of CTD/RSI management, thumb reconstruction, management of the rheumatoid elbow, shoulder and elbow tendonopathy, hand anatomy and nerve injuries. Clinical specialties include rehabilitation of the shoulder, elbow, wrist and hand, chronic pain syndromes, TOS, nerve compression syndromes and neural dynamic disorders of the upper limb. Current research interest is pain management of ulnar sided wrist pain following distal radius fractures. Paul is a clinician, researcher, author and educator and considered to be one of the leading therapists in the care of shoulder, elbow and hand injuries in North America.

## EDUCATIONAL CREDIT

A certificate of attendance for **15 Contact Hours** will be awarded to each participant. All Therapy Network Seminars are pre-approved for CEUs in the state where the course is conducted when required for **PT, OT AND ATCS**. **BOC** Board of Certification, Inc. Approved Provider # P-2563 **AOTA** Approved Provider of Continuing Education # 3073 *The assignment of AOTA CEUs does not imply endorsements of specific course content, products, or clinical procedures by AOTA*



## 2019 LOCATIONS & DATES

**Feb. 22/23** Salt Lake City, UT (Murray)  
The Orthopedic Specialty Hospital

**Aug. 10/11** Dallas, TX  
Medical City Dallas Hospital

A list of area hotels will be sent with confirmation. Please utilize hotel brand websites for guaranteed best rates.

## AUDIENCE

This is an **intermediate level** workshop designed for OTs, PTs, ATs and Assistants.

**NOTE:** *Nothing in this course is to enable or permit the learner to apply techniques outside of the scope of practice in their individual state and discipline.*

## CANCELLATION POLICY

**POLICY:** Registration fee less a \$75 administrative charge is refundable if cancellation received 14 days prior to program date. No refunds will be given after that time. Therapy Network, Inc. reserves the right to cancel a seminar and will refund in full the registration fee only. TNS is NOT liable for registrants non-refundable airfare, accommodations or fees.

## PARTICIPANTS COMMENTS

“Lab was exceptional. Paul made sure every student was comfortable with assessment and palpations before moving on”

“Love the passion & knowledge of the instructor as well as the interaction b/t instructor and students.”

“Very up-to-date material as supported by evidence. Paul is a very dynamic and engaging speaker - thank you”

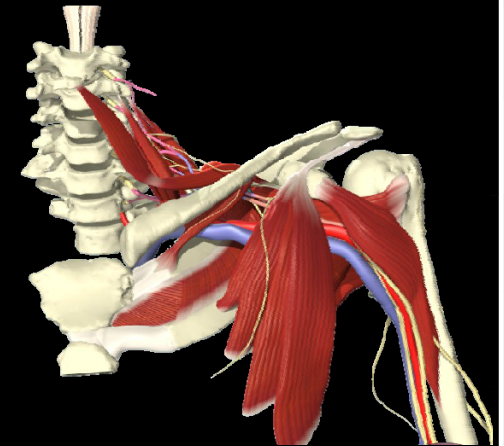
“Paul did a great job teaching the neurodynamics section and how it correlated with the treatment techniques.”

# NEUROMOBILIZATION OF THE UPPER QUADRANT

*DIFFERENTIAL DIAGNOSIS  
AND TREATMENT*

## FACULTY

**PAUL J. BONZANI**  
*OTR/L, CHT, M.H.S*



THE THERAPY NETWORK SEMINARS

[www.TNSeminars.com](http://www.TNSeminars.com)

## OBJECTIVES

Identify complex neurophysiological sources of pain and distinguish between acute, chronic, referred and neuropathic pain conditions.

Demonstrate an effective Upper Quadrant Screening that will locate proximal pain generators.

Demonstrate soft tissue and joint mobilizations, exercise prescription and activity adaption germane to resolving issues of the thoracic outlet.

Identify neurdynamic theory as applied to the integration of nerve assessment and intervention designed to resolve difficult pain issues.

Identify rehabilitation strategies for upper quadrant pain conditions that considers the client's cultural, social and environmental context enabling the individual client to return to maximum functional independence.

## DESCRIPTION

This two day; hands on intensive seminar is designed to develop clinical assessment and treatment skills in advanced concepts of pain management and dysfunction in the upper quadrant. This course will combine an efficient examination process to effectively differentiate between musculoskeletal and neurological sources of pain in order to identify and sequence a custom treatment plan tailored to the dysfunction. Hands on lab sessions will further facilitate proper examination and treatment interventions involving evidence based special testing, neuromobilization, manual therapy, orthotic interventions and exercise prescription. Finally, case scenarios will be incorporated to pair clinical reasoning to situations that are encountered in the clinical setting. The purpose of this seminar is to allow the clinician to move from protocol derived treatment to professional assessment and treatment of the nervous system and the interfacing musculoskeletal system. The emphasis is on creative solutions to difficult problems by integrating neuroanatomical, neurophysiological and kinesiological principles creating a fresh approach to difficult patient problems resulting in improved functional outcomes and patient satisfaction.

## SCHEDULE

### Day One

- 8:00 Continental Breakfast and Sign In  
8:30 The ABC's of behavioral medicine  
Ultrastructure of peripheral nerve  
Physiology of the peripheral nerve  
Biomechanics of the peripheral nervous system  
Pain propagation and relationship to central nervous system processing  
10:00 BREAK  
10:15 Lab 1: Cervical spine screening/Periscapular assessment and soft tissue mobilization  
Lab 2: The Thoracic Outlet: Brachial Plexus Compression: Assessment and traditional intervention strategies  
12:00 LUNCH (on your own)  
1:00 Lab 3: Proximal Compressive Neuropathies/ Assessment traditional strategies/soft tissue and neural mobilization.  
Median Nerve.  
3:00 BREAK  
3:15 Lab 3 Cont...  
Ulnar Nerve.  
Radial Nerve.  
5:30 Q & A and Adjourn.

### Day 2

- 8:00 General Principles of Neurodynamics  
9:00 Neurodynamics of the Upper Quadrant/ Neuropathology/Neuropathic Pain  
10:00 BREAK  
10:15 Musculoskeletal Vs Neural Dysfunction; assessment and treatment planning concepts.  
11:30 Lab 1 Physical examination and neuro orthopedic assessment  
12:00 LUNCH (on your own)  
1:30 Lab 1 Cont...  
2:00 Lab 2 Neuro orthopedic intervention for compressive neuropathies of the upper extremity  
3:00 BREAK  
3:15 Lab 3 Musculoskeletal intervention for pain syndromes of the upper extremity  
5:00 Questions and Adjourn.

## REGISTRATION

### NeuroMob

Please note the course location you are attending:  
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**Bring a Buddy Registration: \$395 p/p**

(No Deadline) Must be done simultaneously

**Early Registration: \$445**

Postmarked **30 days** prior to date of course

**Late Registration: \$495**

Postmarked within 30 days of course date

### 4 WAYS TO ENROLL

Mail registration and payment to:

**MAIL**

**Therapy Network, Inc.**  
217 Paragon Pkwy, #201  
Clyde, NC 28721

**PHONE**

**1.800.785.1855**

**FAX**

**SECURE DIGITAL**  
**928.222.0578**  
(Credit Cards Only)

**ON LINE**

**www.TNSeminars.com**

Name: \_\_\_\_\_

OT PT OTA PTA AT

Home Add: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip \_\_\_\_\_

Cell Ph: \_\_\_\_\_

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I agree to comply with the card holder agreement