



continuing medical  
education

# 20<sup>th</sup> Annual Physical Medicine & Rehabilitation Scientific Day: Concussion and the Developing Brain

**UT Southwestern**  
Medical Center



**UT Southwestern Medical Center**  
Department of Physical Medicine &  
Rehabilitation

Saturday, May 5, 2018

## Sponsored by

UT Southwestern Department of  
Physical Medicine & Rehabilitation and the  
Office of Continuing Medical Education



UT Southwestern Medical Center  
T. Boone Pickens Biomedical Building  
NG3.112 Auditorium  
6001 Forest Park Road  
Dallas, TX 75235

## Purpose & Content

This program is designed to highlight recent scientific advances in the field of Mild Traumatic Brain Injury/Post-concussive Syndrome (MTBI/PCS) in the field of Physical Medicine and Rehabilitation in children and adult. This program will also showcase the research performed by residents, fellows and members of the Department of Physical Rehabilitation.

## Accreditation

UT Southwestern Medical Center is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

## Educational Objectives

Upon completion of this activity, participants should be able to link the educational objectives to Core Competencies (Medical Knowledge) and:

- Describe evidence suggesting lingering changes in brain function in some youth after clinical recovery from concussion.
- Discuss evaluation tools which may be sensitive to lingering concussion-related changes in brain function.
- Recognize the relationship between cerebrovascular blood flow, inflammatory peptides, and symptom resolution after concussion in young adults.
- Define coordination and different categories of coordination.
- Describe evidence indicating associations between coordination and cognitive performance.

## Credit Designation

**Physicians:** The University of Texas Southwestern Medical Center designates this live activity for a maximum of 4.5 **AMA PRA Category 1 Credits.™** Physicians should only claim credit commensurate with the extent of their participation in the activity.

**Physical Therapists:** An application has been submitted to the Texas Board of Physical Therapy Examiners to request approval for continuing competence requirements for PT's and PTA's.

## Conflict of Interest

All persons in the position to control the content of an education activity are required to disclose all relevant financial relationships in any amount occurring within the past 12 months with any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on patients. A primary mechanism to resolve identified conflicts of interest is a content review that is prior to the activity.

## Discussion of Off-Label Use

This course is meant to educate physicians with what is currently in use and what may be available in the future. There may be "off-label" use discussed in the activity. Speakers have been requested to inform the audience when off-label use is discussed.

## Course Chair:

**Benjamin N. Nguyen, M.D.**—Professor,  
Department of Physical Medicine & Rehabilitation  
UT Southwestern Medical Center, Dallas, Texas

## UT Southwestern Faculty:

**Kim Barker, M.D.**—Assistant Professor,  
Department of Physical Medicine & Rehabilitation,  
Dallas, Texas

**Kathleen Bell, M.D.**—Professor & Chair,  
Department of Physical Medicine & Rehabilitation,  
Dallas, Texas

**Shannon Juengst, Ph.D., CRC**—Assistant Professor,  
Department of Physical Medicine & Rehabilitation,  
Dallas, Texas

**Candice Osborne, Ph.D., MPH, OTR**—Assistant Professor, Department of Physical Medicine & Rehabilitation, Dallas, Texas

## Guest Faculty:

**Stacy Suskauer, M.D.**—Research Scientist,  
Director, Brain Injury Clinical Research Center  
Co-Director of the Center for Brain Injury Recovery  
Kennedy Krieger Institute  
Associate Professor  
Departments of Physical Medicine & Rehabilitation  
and Pediatrics  
Johns Hopkins University School of Medicine

# Agenda

Saturday, May 5, 2018

7:30 am      **Registration/Breakfast**

8:00 am - 8:10 am      **Introduction**  
*Benjamin N. Nguyen, M.D.*

8:10 am - 9:15 am      **Phala Helm Lecture:  
Current Concepts in  
Concussive Care**  
*Stacy Suskauer, M.D.*

9:15 am – 9:30 am      **Differences in Pre-Season  
King-Devick Scores in Recreational  
vs. Competitive Youth Soccer Players**  
*Ugo Bitussi, D.O.*

9:30 am – 9:45 am      **Intra-articular Triamcinolone vs.  
Hyaluronate Injections for Low Back  
Pain with Symptoms Suggestive of  
Lumbar Zygopophyseal Joint  
Arthropathy: A Pragmatic, Double  
Blind Randomized Controlled Trial**  
*Nicholas Elkins, D.O.*

9:45 am – 10:00 am      **Use of Bisphosphonates in Burn  
Patients to Decrease Joint Ankylosis  
in Heterotopic Ossification**  
*Mark Fox, M.D.*

10:00 am – 10:30 am      **Break and Exhibits**

10:30 am – 11:10 am      **Leveraging Mobile Health Technology  
to Support Self-Management After  
Traumatic Brain Injury**  
*Candice Osborne, Ph.D., MPH, OTR &  
Shannon Juengst, Ph.D.*

11:10 am – 11:50 am      **Cerebral Blood Flow and  
Vascular Reactivity after Concussion**  
*Kathleen Bell, M.D.*

11:50 am – 12:30 pm      **Examining Recovery from  
Youth Concussion**  
*Stacy Suskauer, M.D.*

12:30 pm      **Adjourn**

## Registration

The registration fee entitles the participants to admission to the conference, all course materials, continental breakfast, refreshments at the break, during the meeting. Enrollment is confirmed upon receipt of registration fee. We are unable to process any registration without payment. Please register early.

### Registration Fee

- General registration - \$95
- Trainees – Non-UTSW/PHHS (fellows/residents/medical students) - \$25
- UTSW Staff/Fellows/Residents/Medical Students - Complimentary

Registration is confirmed upon receipt of registration fee.

### Refund Policy

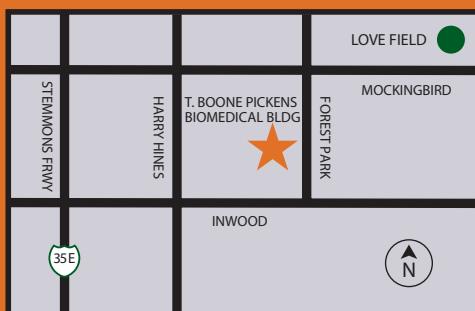
A \$25 handling fee will be deducted from cancellation refunds. Refund requests must be received by mail or fax prior to April 30, 2018. No refunds will be made thereafter.

### Cancellation Policy

The Office of Continuing Medical Education reserves the right to limit registration and cancel courses, no less than one week prior to the course, should circumstances deem this necessary.

## Location

UT Southwestern Medical Center  
T. Boone Pickens Biomedical Building  
NG 3.112 Auditorium  
6001 Forest Park Road  
Dallas, TX 75390



### Additional Information

For additional information, please call The Office of Continuing Medical Education, 214-648-3138, 1-800-688-8678, fax 214-648-2317, or email [cmeregistrations@utsouthwestern.edu](mailto:cmeregistrations@utsouthwestern.edu)

To obtain information on other UT Southwestern programs, visit the Office of Continuing Medical Education's website at: <http://www.utsouthwestern.edu/cme>

### Program Accessibility

We accommodate people with disabilities. Please call 214-648-3138 for more information, or mark the space indicated on the registration form. To ensure accommodation, please register as soon as possible.

*The University of Texas Southwestern Medical Center is committed to providing programs and activities to all persons regardless of race, color, national origin, religion, sex, age, veteran status, or disability.*

*UT Southwestern is an equal opportunity institution.*

## 20th Annual

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## Saturday, May 5, 2018

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## #RP1805A

### Register online at:

[cme.utsouthwestern.edu/rp1805A](http://cme.utsouthwestern.edu/rp1805A)

### Registration Instructions

After clicking on registration link, you will be prompted to log in to your user account. Once you are logged in you will be able to register for the course.

If you have not previously registered for other courses in this system, you must first create a user profile. Once you have completed your profile, you will then be able to go back to the course page and register.

### Registration Fees

**General registration - \$95**

**Trainees – Non-UTSW/PHHS**

**(fellows/residents/medical students) - \$25**

**UTSW Staff/Fellows/Residents/Medical Students - Complimentary**

### Syllabus Information

Only presentations that the author has given permission for will be available online.

# GO-PMR



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**Physical Medicine & Rehabilitation**

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Peter O'Donnell Jr.  
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