The Emerson Hospital Center for Rehabilitative and Sports Therapies and Dr. Robert C. Cantu Concussion Center are proud to present

2nd ANNUAL

Concussion Diagnosis and Management

Active Treatment Using a Care Team Approach

A concussion seminar for professionals providing care to patients who suffer concussions.

April 20: 7:30 am–5:30 pm
April 21: 7:30 am–11:30 am

UMass Lowell Inn & Conference Center
50 Warren Street
Lowell, MA 01852

Register online at emersonhospital.org/concussionconference or call 978-287-8940.

SPEAKERS INCLUDE:
- Robert C. Cantu, MD
- John Leddy, MD
- Barry Levin, MD
- Katelynn Cataldo, NP
- James Spinelli, DO
- Andrew Budson, MD
- Neal McGrath, PhD
- Alan Schwarz, Former National Correspondent New York Times

...And inter-professional speakers that include PT’s, OT’s, SLP’s, PhDs, and PsyD.
Concussion Diagnosis and Management
Register at emersonhospital.org/concussionconference or call 978-287-8940

Overview
This 2nd annual conference will focus on current concepts and guidelines of medical management and rehabilitation of acute concussion and post-concussion syndrome. We will explore the advanced practical application of a collaborative team approach to concussion rehabilitation, including cervical, cognitive, neuropsychological, vestibular and visual domains. Through lectures, panel discussions and interactive workshops, you will gain practical knowledge and insight into diagnosing and managing concussion.

Objectives
Upon completion of the course, participants will be able to:

1. Understand the anatomy and physiology of why children are at greater risk of concussion than adults

2. Understand the importance of a detailed neurological exam for patient with concussion/post-concussion syndrome.

3. Learn about the role for controlled aerobic exercise/moderate physical activity for the management of concussion and PCS.

4. Pathophysiology of head and neck injury causing headache and neck pain

5. Identify the roles of PT/OT/SLP within a multidisciplinary concussion team

6. Understand the role of assessment of psychological functioning and emotional issues in concussion evaluation.

7. Understand the role of the clinical psychologist in the treatment of prolonged PCS

8. Identify a minimum of 3 strategies to navigate clinical decision making process.

9. Identify clinical trajectories of patients reporting dizziness with post-concussion syndrome and how to efficiently direct assessment.

10. Develop an understanding of basic exercise PCS prescription, progression and regression.

11. Identify effective screening and evaluation procedures for visual dysfunction associated with concussion.

12. Identify a minimum of three high level cognitive deficits in patients presenting with concussion.
Concussion Diagnosis and Management
Register at emersonhospital.org/concussionconference or call 978-287-8940

Continuing Education Credits
Up to 11 CNE’s, Category 2 CMEs, CEU’s and contact hours will be provided.

Who should attend
This seminar is for anyone involved in the assessment, diagnosis, management and rehabilitation of patients with acute and sub-acute concussions (post-concussion syndrome)—including neurologists, neurosurgeons, nurses, pediatricians, Psychologists, emergency physicians, physical therapists, occupational therapists, speech language pathologists, physician assistants, nurse practitioners, primary care physicians, athletic trainers and coaches.

Conference Location
The conference will be held at UMass Lowell Inn & Conference Center
50 Warren St, Lowell, MA 01852

Hotel Accommodations
UMass Lowell Inn & Conference Center
50 Warren Street
Lowell, MA 01852
Phone & Reservations:
978-934-6920
978-934-6922

Emerson Hospital is an approved provider of Continuing Nursing Education by ANA-MA, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation.

Franciscan Children’s is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

Audiologists and Speech-Language Pathologists: This course is offered for 1.1 ASHA CEUs (Intermediate level, Professional area). Information pertaining to the speaker’s financial and non-financial relationships can be found at emersonhospital.org/concussionconference.
### PROGRAM SCHEDULE

**Friday April 20th, 2018**

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<th>Time</th>
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<td>7:30 – 8:00 am</td>
<td><strong>REGISTRATION AND CHECK IN</strong></td>
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<tr>
<td>8:00 – 8:10 am</td>
<td><strong>Welcome Remarks by Director of Rehab and Concussion Center</strong></td>
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<td></td>
<td>Terrie Enis, PT, MSPT</td>
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<tr>
<td>8:15 – 9:00 am</td>
<td><strong>Brief history of Concussion: Why Children Are At Greatest Risk?</strong></td>
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<td>Robert C. Cantu, MD</td>
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<td>9:00 – 9:30 am</td>
<td><strong>Essential Elements of the Medical Provider’s Initial Assessment</strong></td>
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<td>Barry Levin, MD and Katelynn Cataldo, NP</td>
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<td>9:30 – 10:15 am</td>
<td><strong>Role of Exercise in Treating Concussions</strong></td>
<td>45</td>
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<td>John Leddy, MD</td>
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<td>10:15 – 10:30 am</td>
<td><strong>BREAK</strong></td>
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<td>10:30 – 11:00 am</td>
<td><strong>Beyond Cervicogenic Physical Therapy</strong></td>
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<td>James Spinelli, DO</td>
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<td>11:00 – 11:30 am</td>
<td><strong>Pharmacology Treatment Options for Prolonged Cognitive Impairments</strong></td>
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<td>Andrew Budson, MD</td>
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<td>11:30 am – Noon</td>
<td><strong>Panel Discussion with Moderator Terrie Enis, PT, MSPT</strong></td>
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<td>Budson/Cantalbo/Leddy/Levin/Spinelli</td>
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<td>12:00 – 12:10 pm</td>
<td><strong>Afternoon Remarks by Christine Schuster</strong></td>
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<td>12:10 – 1:00 pm</td>
<td><strong>Lunch provided</strong></td>
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<td>1:00 – 2:00 pm</td>
<td><strong>Active Treatment: The Role of an Inter-disciplinary Rehab Team</strong></td>
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<td>Jessica Gravel, PT, DPT; Nicole Kelly, MS, OTR/L; Mary Ann Williams-Butler, MA, CCC-SLP, CBIS</td>
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<td>2:00 – 2:30 pm</td>
<td><strong>The Role of the Neuropsychologist</strong></td>
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<td>Neal McGrath, PhD</td>
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<td>2:30 – 3:00 pm</td>
<td><strong>Psychotherapy for Prolonged PCS Symptoms</strong></td>
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<td>Alexandra Jackson, PsyD</td>
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<td>3:00 – 3:15 pm</td>
<td><strong>BREAK</strong></td>
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<td>3:15 – 3:45 pm</td>
<td><strong>Aerobic Exercises Using Innovative Technology</strong></td>
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<td>Yi-Ning Wu, PhD</td>
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<td>3:45 – 4:15 pm</td>
<td><strong>Panel Discussion with Moderator Herbert Gilmore, MD</strong></td>
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<td>Gravel/Kelly/Jackson/McGrath/Williams-Butler/Wu</td>
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<td>4:15 – 5:00 pm</td>
<td><strong>How I Changed the NFL's Stance on Concussion and CTE</strong></td>
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<td>Alan Schwarz, Former National Correspondent <em>New York times</em></td>
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<td>5:00 – 5:30 pm</td>
<td><strong>Open Discussion: Medicine and Media</strong></td>
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<td>Cantu/Schwarz</td>
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## PROGRAM SCHEDULE

**Saturday April 21, 2018**

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<th>Time</th>
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<tr>
<td>7:30 – 8:00 am</td>
<td><strong>BREAKFAST AND NETWORKING</strong></td>
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| 8:00 – 8:45 am| **From the Beginning: Developing an Effective Care Team Model**  
Terrie Enis, PT, MSPT                                  | 45   |
| 8:45 – 9:45 am| **Decision Making Dilemmas: A Case Study**  
Katelynn Cataldo, NP; Naseem Chatiwala, PT,DPT, MS, NCS;  
Nicole Kelly, MS, OTR/L; Mary Ann Williams-Butler, MA,  
CCC-SLP, CBIS  | 60   |
| 9:45 – 10:00 am| **BREAK**                                                                        |      |
| 10:00 – 11:30 am| **Interactive Workshops: Concurrent Sessions**  
Track A  
1. The “Dizzy” Patient – Comprehensive Assessment and Treatment  
Courtney Larguinho, PT, DPT; Samantha Sawicki, PT, DPT;  
Heather Mistry, PT, DPT, NCS  
2. Manual Techniques and Prescriptive Exercise  
Christopher Iby, PT, DPT, OCS, CSCS; Julie Lorden, PT, DPT.  
Track B  
Addressing Visual Dysfunction: Evaluation and Treatment  
Marnie Deardorff, MS, OTR/L; Nicole Kelly, MS, OTR/L;  
Laura Lizotte, MS, OTR/L; Chelsea Mello, MS, OTR/L  
Track C  
High Level Cognitive Retraining: A Synergistic Approach  
Carey Bellino, MA, CCC-SLP; Alina Carter, MS, CCC-SLP;  
Brenda Lovette, MS, CCC-SLP  
Track D  
Techno-Medical Think Tank: An interactive ‘think tank’ to bring research, technology and advanced clinical practitioners together  
Patrick Drane, MSME  | 90   |
| 11:30 am     | **Distribution of Certificates of participation, CME, CEU**                       | 3.25 |

*In partnership with the Brain Injury Association of Massachusetts*
**Presenters**

**Robert C. Cantu, MD**, Director of the Dr. Robert C. Cantu Concussion Center at Emerson Hospital. Clinical professor of neurology and neurosurgery and co-founder of the CTE Center at Boston University School of Medicine. Senior Advisor, Brain Injury Center. Author of over 430 scientific publications, including 29 books on neurology and sports medicine, in addition to numerous book chapters, peer-reviewed papers, abstracts and free communications, and educational videos. He has served as associate editor of Medicine and Science in Sports and Exercise and Exercise and Sports Science Review, and on the editorial board of The Physician and Sports Medicine, Clinical Journal of Sports Medicine, and Journal of Athletic Training.

**Terrie Enis, PT, MSPT**, is the Director of the Emerson Hospital Center for Rehabilitative and Sports Therapies with four locations, the Dr. Robert C. Cantu Concussion Center, and the hospital's inpatient rehabilitation program in a 20-bed Transitional Care Unit as well as acute care rehabilitation. Director Enis is a seasoned health care leader with more than 25 years of experience in the rehabilitation field. She has expertise in orthopedic and spine rehabilitation that is highly related to sport-related injuries as well as interdisciplinary concussion care and prevention. Director Enis is the recipient of the New England Consortium of Academic Coordinators Clinical Education Instructor of Year, a significant recognition of the dedication in clinical education and service. She is an adjunct professor at The University of Massachusetts, Lowell where she teaches Healthcare Policy and Administration.

**Barry Levin, MD**, is board certified by the American Academy of Neurology and Psychiatry. He is in private practice in Neurology at Emerson Hospital in Concord, MA. Dr. Levin has many years of experience caring for patients with concussion and general neurological problems. He is the Assistant Medical Director of the Dr. Robert C. Cantu Concussion Center.

**Katelyn Cataldo MS, NP**, Senior Nurse Practitioner, is a board-certified adult-gerontology primary care nurse practitioner and holds a master’s degree from the University of Massachusetts, Worcester. She is also certified by the American Nurses Credentialing Center and is a credentialed ImPACT consultant with a focus on post-injury care.

**Dr. John J. Leddy, MD**, is Professor of Clinical Orthopedics and Rehabilitation Sciences at the University at Buffalo Jacobs School of Medicine and Biomedical Sciences, a Fellow of the American College of Sports Medicine and of the American College of Physicians, and a Team Physician for the University at Buffalo. He is the Medical Director of the University at Buffalo Concussion Management Clinic and a member of the Expert Panel for the Berlin Fifth International Consensus Conference on Concussion in Sport. In conjunction with Dr. Barry Willer, he developed the Buffalo Concussion Treadmill Test.

**Andrew E. Budson, MD**, is Chief, Cognitive & Behavioral Neurology at the Veterans Affairs Boston Healthcare System, where he also serves as Associate Chief of Staff for Education. He is Professor of Neurology at Boston University School of Medicine, Lecturer in Neurology at Harvard Medical School, and Associate Director and Education Core Leader of the Boston University Alzheimer’s Disease Center. He earned his bachelor degree from Haverford College and his medical degree at Harvard Medical School, followed by internship in Internal Medicine at Brigham and Women’s Hospital, residency in Neurology at the Harvard-Longwood Program, a clinical fellowship in Cognitive & Behavioral Neurology at
Presenters, continued

Josiah T. West, MD, FACS, is a Plastic Surgeon at Newton-Wellesley Hospital and Professor of Surgery at Harvard Medical School. He is the founder and Medical Director of the Adult Craniofacial Surgery Center at Newton-Wellesley Hospital, which he established in 2011. Dr. West trained in general surgery, plastic surgery, facial plastic surgery, and craniofacial surgery at Boston Children's Hospital and Children's Hospital of Philadelphia. He completed his craniofacial surgery fellowship under the direction of Dr. Michael F. DeRosa. Dr. West is board-certified by the American Board of Facial Plastic and Reconstructive Surgery and the American Board of Plastic Surgery. He is also a fellow of the American Academy of Facial Plastic and Reconstructive Surgery and the American Society of Plastic Surgeons. Dr. West is a member of several national and international organizations, including the American Society for Aesthetic Plastic Surgery, the American Society for Reconstructive Microsurgery, and the American Society for Dermatologic Surgery. He is a frequent speaker at national and international meetings and has published numerous articles in medical journals. He is also the author of several book chapters on cosmetic and reconstructive surgery. Dr. West is dedicated to providing the highest quality care to his patients, and he is committed to advancing the field of reconstructive surgery through his research and teaching.

Robert C. Cantu, MD, is a neurosurgeon and the Director of the Cantu Concussion Center at Emerson Hospital in Boston. He is also a professor of Neurosurgery at Tufts University School of Medicine. Dr. Cantu is a Fellow of the American College of Surgeons, the American Association of Neurological Surgeons, and the Congress of Neurological Surgeons. He is also a member of the World Federation of Neurosurgical Societies, the American Academy of Neurological Surgery, and the American Neurological Association. Dr. Cantu has authored numerous articles and chapters in the field of sports medicine and has been a speaker at many national and international conferences. He is also the founder of the Concussion Foundation, an organization dedicated to educating the public about the risks and consequences of concussions.

Brigham and Women’s Hospital, and a research fellowship in Psychology at Harvard University. In 2008 he was awarded the Geschwind Prize in Behavioral Neurology, and in 2009 the Research Award in Geriatric Neurology, both from the American Academy of Neurology.

Jessica Gravel, PT, DPT, is the Outpatient Concussion Coordinator for the physical therapy, occupational therapy and speech pathology departments at Emerson Hospital Center for Rehabilitative and Sports Therapies. Ms. Gravel is also the project manager of the Dr. Robert C. Cantu Concussion Center Oak grant, where she provides concussion education and baseline testing to adolescents within the state and oversees the grant’s research objectives. Ms. Gravel specializes in orthopedic and sports injuries and concussion rehabilitation with a strong manual background in treating patients with spine dysfunction following post-concussion syndrome.

Nicole Kelly, MS, OTR/L, Senior Occupational Therapist. Nicole has contributed to the growth and development of Emerson’s current Occupational Therapy concussion program. Ms. Finch is currently leading a team of clinicians. Prior to joining the Emerson team, she worked at Spaulding Rehabilitation Hospital in Boston, where she specialized in treating patients with brain injury, stroke, and multi-trauma orthopedic injuries. Nicole is proficient in use of Neuro-Developmental Treatment techniques, Kinesio Taping, rigid taping, Bioness NESS H200 hand rehabilitation system, Dynavision D2, and treatment of neurological-based visual deficits.

Mary Ann Williams-Butler, MA, CCC-SLP, CBIS, Over 35 years’ experience evaluating and treating children and adults with various degrees of traumatic brain injury. Has presented nationally and internationally on the topic of Cognitive retraining with concussion. Supervisor for Speech/Language Pathology Department at Emerson Hospital, Center for Rehabilitative and Sports Therapies, and the Dr. Robert C. Cantu Concussion Center. Subject Matter Expert for ASHA’s Practice Portal on Pediatric Traumatic Brain Injury. Certified Brain Injury Specialist. Established the Modified Barium Swallow study program at Emerson Hospital. She has held adjunct faculty appointments in the communication disorders department at Worcester State University. Clinical Interests include cognitive retraining with concussion and traumatic brain injury, dysphagia management, neurological speech/language treatment, and head and neck cancer treatment.

Neal McGrath, PhD, is a clinical neuropsychologist who has practiced in the Boston area for over 30 years, specializing in the evaluation and rehabilitation of traumatic brain injuries. He is the Clinical Director and founder of Sports Concussion New England, through which he and his colleagues have provided neuropsychological consultation to dozens of schools and individual student athletes from many high schools, colleges, elementary schools, and youth sports programs in New England, and through which they now provide neuropsychological and psychotherapy services at the Cantu Concussion Center.

Dr. McGrath also maintains a general practice in neuropsychological evaluation of adolescents, adults, and children in Brookline, MA. He and his colleagues see patients with a variety of acquired brain injuries, including returning military veterans, as well as for evaluation of learning disabilities and Attention Deficit Disorder.

Alexandra Jackson, PsyD, received her doctorate in clinical psychology from the American School of Professional Psychology in Washington, D.C. She completed her internship and post-doctoral fellowship at WestSide NeuroRehabilitation Services in Lewiston, Maine, in 2011, where she
Presenters, continued

evaluated and treated individuals with acquired brain injury. Her work at WestSide also involved scientific research on brain injury, and she has presented her findings at several international neuropsychological conferences. Dr. Jackson specializes in the neuropsychological evaluation and management of sports-related concussion injuries.

Dr. Yi-Ning Wu, PhD, is an Assistant Professor in the Department of Physical Therapy at the University of Massachusetts Lowell. Dr. Wu earned her PhD degree in Biomedical Engineering from National Cheng Kung University in Taiwan and completed her post-doctoral trainings in Northwestern University and Brown University before joining the UMass Lowell in 2013. Her research interests include understanding the motor control and adaption due to injuries and intervention, technology-based neurorehabilitation and home-based rehabilitative technologies. In collaboration with Dr. Robert C. Cantu Concussion Center, Dr. Wu has been conducting research on utilizing technologies, such as electrical stimulation and exercise machine with blood flow restriction and body cooling, to alleviate post-concussion symptoms.

Alan Schwarz is a Pulitzer Prize-nominated journalist best known for his reportage of public health issues for The New York Times. His 130-article series on concussions in sports is roundly credited with revolutionizing the treatment of head injuries in professional and youth athletics, has been called “the greatest feat in sports journalism history,” and was a finalist for the 2011 Pulitzer Prize for Public Service. A recognized expert on the use of mathematics and probability in journalism, Mr. Schwarz was honored by the American Statistical Association in 2013 with its Lifetime Excellence in Statistical Reporting Award, and has lectured at dozens of universities and professional conferences, including the National Institutes of Health and the National Academy of Sciences. He holds a Bachelor of Arts degree in Mathematics from the University of Pennsylvania.

Naseem Chatiwala, MS, DPT, NCS, is a practicing PT for over 20 years. She is a Board certified Neuro Clinical Specialist and a Vestibular specialist. She teaches continuing education course through Summit professionals for stroke recovery and Vestibular Rehabilitation. She is a chair for the interdisciplinary neuro team of 25+ PT, OT and SLP and runs Brace clinic at Emerson Center for Rehabilitative and Sports Therapies. Naseem is an adjunct faculty at University of Massachusetts, Lowell and MGH Institute of Health Professions. Professional Presentations include- Emerson Concussion Conference, 2016, University at Massachusetts concussion conference, 2017 and APTA MA Chapter conference, 2017.

Courtney Larguinho, PT, DPT, is a senior physical therapist at Emerson Hospital’s Center for rehabilitative and sports therapies. Courtney completed her Doctorate of Physical Therapy from the University of Massachusetts Lowell in 2011 and has been actively involved with the development of the out-patient rehab concussion program for Emerson. Courtney has taken extensive continuing education including advanced vestibular courses and additional concussion courses. Courtney is also an adjunct professor for the University of Massachusetts Lowell within the Physical therapy and Exercise Physiology program.

Samantha Sawicki, PT, DPT, is a physical therapist at Emerson Hospital’s Center for Rehabilitative and Sports Therapies. Samantha received her Doctor of Physical Therapy degree from the MGH Institute of Health Professions in 2017. She primarily works with individuals with brain injuries and vestibular dysfunction at Emerson.
Heather Mistry, PT, DPT, NCS, is an APTA Neurological Clinical Specialist working as an outpatient physical therapist at Emerson’s Center for Rehabilitative and Sport Therapies. Heather completed her Doctorate of Physical Therapy from Northwestern University Physical Therapy and Human Movement Science Program in 2009. She has since worked with individuals with mild to severe brain injuries across the spectrum of care.

Chris Iby PT, DPT, OCS, CSCS, graduated from the University of Massachusetts, Lowell, with a doctorate in physical therapy, after receiving his undergraduate degree in exercise physiology. In 2014, he became a Certified Strength and Conditioning Specialist (CSCS) through the National Strength and Conditioning Association. And in 2016 he earned a board certification from the American Physical Therapy Association as a Clinical Specialist in Orthopedics (OCS). Mr. Iby strives to apply evidence-based physical therapy techniques from a strength and conditioning perspective to maximize the health and performance of adolescent and adult athletes. He is also an adjunct faculty member in the physical therapy program at the University of Massachusetts. While at Emerson, Mr. Iby has become active in our spine and concussion rehab programs. He enjoys working with active individuals of all levels, helping them restore pain-free movement and return to sport.

Julie Lorden, PT, DPT, graduated from the University of Massachusetts Lowell with a doctorate in physical therapy. Her undergraduate degree is in exercise physiology. Ms. Lorden specializes in neurological and vestibular rehabilitation and is certified in LSVT BIG and PWR! — evidence-based treatment programs for people with Parkinson’s — as well as an MDS Allied Health Team attendee. Ms. Lorden also has further training in concussion management and oncology rehabilitation, and is active with the Dr. Robert C. Cantu Concussion Center and Be Strong Cancer program. Ms. Lorden also assisted in the development of the Fitness for PWP exercise program. Ms. Lorden is a member of the neurological, oncology, concussion and pediatric care teams at Emerson’s Center for Rehabilitative and Sports Therapies.

Marnie Deardorff, MS, OTR/L, graduated from Boston University College of Health and Rehabilitative Sciences with a master’s degree in occupational therapy in 2002. Her undergraduate degree is in human development and health sciences from Penn State University. Prior to joining the outpatient therapy team at Emerson, she had 15 years of experience working in acute inpatient rehabilitation hospitals and skilled nursing facilities, where she specialized in the treatment of patients impacted with stroke, brain injury, neurological disorders and multi-trauma orthopedic injuries. Ms. Deardorff is certified in the Neuro-IFRAH® (Integrative Functional Rehabilitation and Habilitation) treatment approach for the management of adults with hemiplegia and has completed further coursework for advanced hand function and fine motor control within this framework.

Laura Lizotte, MS/OTR/L, graduated from Springfield College with a master’s degree in occupational therapy in 2005. Her undergraduate degree is in psychology from the University of Massachusetts. Prior to joining the Emerson team she worked in acute rehabilitation hospitals, where she specialized in treating spinal cord, stroke, traumatic brain and multi-trauma orthopedic injuries. She also has experience working in home care and skilled nursing facilities.

Chelsea Mello, MS, OTR/L, graduated from the Boston School of Occupational Therapy at Tufts University and specializes in pediatric occupational therapy. Ms. Mello received her undergraduate degree in psychology and minor in cognitive science.
at Trinity College. Prior to joining Emerson, she worked in several school-based programs with a wide range of diagnoses. Ms. Mello completed her fieldwork in an elementary school with a behavioral and emotional support program and in a pediatric outpatient center providing services to children from birth to 21 years of age. In the fall of 2015, Ms. Mello presented “Look aHEAD: Occupational Therapy's Role in Concussion Management” with a colleague to the Massachusetts Association of Occupational Therapy. In addition to working at Emerson, Ms. Mello currently works per diem in a pediatric inpatient rehabilitation hospital. Ms. Mello is also involved in the pediatric rehabilitation program at Emerson.

Clinical Interests: Pediatric rehabilitation, autism spectrum disorder, developmental delays, concussion

Carey Anne Bellino, MA, CCC-SLP, is a certified and licensed speech-language pathologist who evaluates and treats conditions that impact cognition, speech, language, and swallowing skills. She works with adolescents and adults who have sustained concussions and brain injuries, who are undergoing treatment for head and neck cancer, or who are experiencing other neurodegenerative concerns. Prior to joining Emerson’s team, Ms. Bellino worked at Spaulding Rehabilitation Hospital with post-acute brain injury and stroke populations, as well as at Emerson College, where she provided clinical instruction to graduate student clinicians and guest lectured on topics of clinical interest. She holds both a bachelor’s degree in communication disorders and a master’s in speech language pathology from the University of Massachusetts Amherst. Ms. Bellino began her career at the Centre for Neuro Skills in California, working in an outpatient rehabilitation setting with adults who sustained traumatic brain injuries.

Alina Carter, MS, CCC-SLP, evaluates and treats adult and adolescent patients with language, cognitive and speech deficits that result from a variety of neurodegenerative processes, stroke, brain tumors, chemobrain and mild traumatic brain injury. She strives to provide a combination of restorative and functional compensatory treatment to help maximize each individual's overall quality of life. In 2015, Ms. Carter published an interdisciplinary study entitled “Modified Berg Balance Scale: Making assessment appropriate for people with aphasia” in Topics of Stroke Rehabilitation. Previously, she worked as an outpatient speech language pathologist at Massachusetts General Hospital (MGH). She holds a master’s degree in speech language pathology from the MGH Institute of Health Professions in Boston, MA.

Brenda Lovette, MS, CCC-SLP, works with adults and adolescents with a variety of communication, cognitive, voice, and swallowing challenges. She earned her master’s degree in speech language pathology at the University of North Carolina – Chapel Hill. Her approach is highly functional, focused on improving skills important for each individual’s unique needs and maximizing quality of life. She is trained in oncology rehabilitation and is a member of the Be Strong Cancer Care Team. She is also a registered yoga instructor and has presented on the effects of meditation and breath work on wellness and neurorehabilitation.
Facilitator

Patrick Drane, MS Eng, is the Assistant Director of the Baseball Research Center at the University of Massachusetts Lowell. He received his BS and MS in Mechanical Engineering from UMass Lowell and is currently pursuing his PhD. With more than 18 years of experience in sports engineering research, he has helped lead the Baseball Research Center to become an internationally recognized center of excellence in the field of baseball and baseball bat research and a leader among facilities focusing on sports engineering research in the United States. Mr. Drane has been involved in both sports and military helmet research during the past 5 years and has organized two NSF-funded interdisciplinary workshops focused on the prevention, diagnosis and treatment of concussions. His organization of the 9th conference of the International Sports Engineering Association (ISEA) brought the sports engineering researchers from around the world to Lowell in 2012. He is also currently serving on the executive board of the International Sports Engineering Association and on the editorial board of the Journal of Sports Engineering and Technology. In addition to sports engineering, he currently contributes to research efforts in composite materials and manufacturing and wind energy.
REGISTRATION
To register, visit emersonhospital.org/concussionconference or call 978-287-8940.

Conference Tuition
Register by March 16 and save!

Physicians, Neuropsychologists and Nurses:
Early Bird Registration ........ $349.00
Regular Registration ........... $373.00

PT’s, OT’s and SLP’s:
Early Bird Registration ........ $279.00
Regular Registration ........... $299.00

For all others:
Early Bird Registration ........ $229.00
Regular Registration ........... $245.00

Cancellation Policy by Registrant
Refunds, less an administrative fee of $75, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by postal mail or email. No refund will be issued should cancellation occur less than two weeks prior to the conference. “No shows” are subject to the full course fee and no refunds will be issued once the conference has started.

Registrants who wish to cancel their registration should send a notice of cancellation via email to rehabeh@emersonhosp.org.

Cancellation Policy by Provider
In the event of cancellation due to weather, Emerson Hospital will provide a credit for the conference that will be rescheduled within twelve (12) months. Refunds, less an administrative fee of $75, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by postal mail or email. No refund will be issued should cancellation occur less than two weeks prior to the conference. “No shows” are subject to the full course fee and no refunds will be issued once the conference has started.

Complaint Resolution Policy
For more information regarding our administrative policies concerning complaints and refunds, please contact our Conference Chair at 978-287-7325 or email rehabeh@emersonhosp.org.

Complaints will be handled within 5 business days and all complaints shall be submitted and responded via email by conference chair or designee.

Address:
Dr. Robert C. Cantu Concussion Center
Re: Concussion Conference
310 Baker Ave., Concord, MA 01742