Brain Injury Summit
A Meeting of the Minds

January 11-14, 2015

- Welcome Reception and Lecture -
Evening of January 11, 2015

Vail, Colorado

Hosted by
Craig Hospital
Redefining Possible for People with Spinal Cord and Brain Injuries
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education through the joint providership of the Colorado Medical Society and Craig Hospital. The Colorado Medical Society is accredited by the ACCME to provide continuing medical education for physicians.

The Colorado Medical Society designates this live activity for a maximum of 17.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Colorado Medical Society (CMS) requires instructors, planners, managers and other individuals who are in a position to control the content of this activity to disclose any real or apparent conflict of interest they may have as related to the content of this activity. All identified conflicts of interest are resolved prior to the beginning of the activity.

Clinical Case Managers: CCM credits are being sought through the CCMC PACE program.

Attorneys: CLEs are being sought through the Colorado Supreme Court Board of Continuing Legal and Judicial Education.

Other Professions: This conference qualifies for 17.25 contact hours recognized by many national, state, and local licensing boards and professional organizations. A conference syllabus and certificate of attendance will be provided. Please contact your professional board or organization for specific filing requirements.

braininjurysummit.org

Craig Hospital reserves the right to modify or change the program as necessary. The most current program is available on our website.
Retreat to the mountains for a unique gathering of national experts and rising leaders in the field of traumatic brain injury care. The Brain Injury Summit is designed to explore best practices and cutting edge professional interventions across a comprehensive continuum of care, and to foster discussion, discovery, and professional development among attendees. In 2015, we are adding a pediatric track and have designed a program that will provide an in-depth update on current issues in the field. If you are looking to increase your depth of knowledge and interdisciplinary professional connections, you will not want to miss this meeting!

### Conference Format

- Keynote, plenary, and panel presentations
- Scientific platform and poster presentations
- Breakout sessions and roundtables
- Exhibits
- Networking opportunities with other professionals

### Target Audience

Professionals involved in all aspects of service delivery for persons and families dealing with traumatic brain injury are encouraged to attend. This includes, but is not limited to, physicians, nurses, case managers, allied health professionals, insurance executives, administrators, attorneys, and researchers.

### Educational Objectives

Upon completion of the conference, participants will be able to:

1. Examine clinical best practices throughout the continuum of care for management of adults and children with mild to severe traumatic brain injuries including but not limited to the following topics:
   - a. Medical diagnosis and treatment, including pathobiology, neuroplasticity, and neuroimaging
   - b. Evaluation and management of mild traumatic brain injury including sports concussion
   - c. Clinical interventions for the management of cognitive, visual, vestibular, and motor sensory dysfunction
   - d. Applied technology for rehabilitation
   - e. Neurobehavioral assessment and treatment
   - f. Aging and lifelong wellness considerations
   - g. Legal concerns and funding issues
2. Interpret current research findings and determine implications for application to clinical practice and optimizing patient outcomes
3. Describe the impact of traumatic brain injury on survivors and their families and identify community resources to improve quality of life
4. Enhance communication within the network of traumatic brain injury service providers by gaining an understanding of other roles and perspectives

### OVERVIEW

2015 Brain Injury Summit: An Invitation

2010 and 2011-2015 and the Magnet Prize® Award in 2012. Craig Hospital in Denver is world-renowned for the specialty rehabilitation and research for patients with spinal cord injury and traumatic brain injury. Craig is a 93-bed, private, not-for-profit, free-standing rehabilitation and long-term acute care hospital that provides a comprehensive system of inpatient and outpatient medical care, rehabilitation, neurosurgical rehabilitative care, and long-term follow-up services. Half of Craig’s patients come from outside of Colorado, and in the past four years the hospital treated patients from all 50 states and several foreign countries. Craig treats approximately 500 inpatients and 1,400 outpatients per year. Craig is designated by the National Institute on Disability Rehabilitation and Research (NIDRR) as a Model System Center for both spinal cord injury and traumatic brain injury. Craig is also the NIDRR National Statistical TBI database for the other 16 Model System Centers in the U.S. Craig received the prestigious Magnet Recognition® in 2005-2010 and 2011-2015 and the Magnet Prize® Award in 2012. Craig received the American Nurses Association’s NDNQI® Award as the top rehabilitation hospital in the U.S. for quality care, three out of the past four years. In 2013 and 2014, Craig was voted by employees as a Top Work Place by the Denver Post, and was ranked in the top 150 places to work in healthcare by Becker’s Healthcare in 2014. Craig has been ranked as a Top Ten rehabilitation center by US News and World Report for 25 consecutive years, since the rankings began. craighospital.org

Proceeds from the 2015 Brain Injury Summit will benefit patient assistance programs for survivors of brain injury and their families.

Visit Craig Hospital on:
**Sunday, January 11, 2015**

12:00 p.m.  Registration Open  
4:45 p.m.  Welcome Remarks  
   Amy Berryman OTR, MSHSA – Conference Chair  
5:00 p.m.  Achieving Meaningful Outcomes: The Traumatic Brain Injury Rehabilitationists Challenge  
   Jennie Ponsford PhD  
6:00 p.m.  Welcome Reception — Exhibits Open  
   Guests of conference attendees are welcome at the Sunday and Tuesday night receptions for a $50/person charge.

**Monday, January 12, 2015**

7:00 a.m.  Continental Breakfast and Registration / Exhibits Open  
7:45 a.m.  Welcome Remarks  
   Alan Weintraub MD – Program Chair  
8:00 a.m.  Opening Plenary Session  
   An International TBI Research Initiative: A Global Perspective  
   Geoffrey T. Manley MD, PhD  
   A Clinician’s Guide to the Pathophysiology of Traumatic Brain Injury  
   Christopher C. Giza MD  
   Neuroimaging: Clinical Guidelines  
   Peter E. Ricci MD  
   Neuroplasticity – Encouraging the Brain to Change through Rehabilitation  
   Jeffrey Kleim PhD  
10:00 a.m.  Break — Exhibits Open  
10:30 a.m.  Breakout Concurrent Sessions  
   A.  A Contemporary Update on Neurosurgical Treatment Guidelines of Catastrophic Traumatic Brain Injury  
      Geoffrey T. Manley MD, PhD  
   B.  Psychological Treatment of TBI, Cognitive Behavioral Therapy, Anxiety and Depression  
      Jennie Ponsford PhD  
   C.  Collaborative Approaches to Voice, Airway, and Swallowing Disorders  
      Sarah Metz MS, CCC-SLP & Matthew S. Clary MD  
   D.  Functional Orthopedic Rehabilitative Surgery  
      Frances D. Faro MD  
   E.  Neuroplasticity and the Developing Injured Brain: Opportunities for Rehabilitation  
      Christopher C. Giza MD  
   F.  Neuroimaging: Medical Legal Concepts  
      Peter E. Ricci MD  
11:30 a.m.  Breakout Concurrent Sessions  
   A.  Syndromes of Impaired Consciousness: Diagnostic Distinctions and Rehabilitation  
      Risa Nakase-Richardson PhD  
   B.  Functional Memory Interventions in Acute TBI Rehabilitation  
      Lyn Turkstra PhD, CCC-SLP, BC-NCD  
   C.  Thinking About Function: Combining Cognition and Physical Skills in Assessment and Intervention  
      Karen McCulloch PT, PhD, NCS  
   D.  Posttraumatic Visual Impairments and Functional Rehabilitation  
      Thomas Politzer OD, FCOVD, FAAO & Karen Rasavage OTR  
   E.  Pediatric Traumatic Brain Injury: Evidence Informed Neuro-Rehabilitation  
      Ronald C. Savage EdD  
   F.  Contextual Clinical and Forensic Applications of Neuro-Diagnostics in Mild TBI  
      Hal S. Wortzel MD  
12:15 p.m.  Lunch Provided  
1:30 p.m.  Breakout Concurrent Sessions  
   A.  Genetics of TBI: Is Outcome Determined Prior to Injury?  
      Thomas W. McAllister MD  
   B.  Post Traumatic Fatigue and Interventions  
      Jennie Ponsford PhD  
   C.  Current Issues in Alcohol and Substance Abuse and TBI Rehabilitation  
      John D. Corrigan PhD & James C. Berry PsyD  
   D.  The Clinical Use of Neurologic Music Therapy in Brain Injury Rehabilitation: An Analysis of Therapeutic Practice  
      Sarah Thompson MM, MT-BC, CBIS  
   E.  Pediatric TBI: Emerging Approaches toward the Management of Neurobehavioral Sequelae  
      Michael W. Kirkwood PhD, ABPP/CN  
   F.  Neuropsychiatric Approaches to TBI Aggression and Suicide  
      Hal S. Wortzel MD  
2:30 p.m.  Break — Exhibits Open  
2:45 p.m.  Breakout Concurrent Sessions  
   A.  Neuromodulation and TBI Rehabilitation  
      John Corrigan PhD  
   B.  Acute Traumatic Encephalopathy: Evaluation and Management  
      David Arciniegas MD, FANPA, FAPM, CBIST  
   C.  Practical Functional Uses of Adaptive Technology  
      Deepa Thimmaiah MS OTR & Jenniy Peltier OTR  
   D.  Vestibular Neurorehabilitation  
      Nicole Miranda PT, DPT  
   E.  What can Applied Behavior Analysis Offer Brain Injury Rehabilitation?  
      Jeffrey Kupfer PhD, BCBA-D & Dixie Eastridge MA, BCBA  
   F.  Emotional Consequences of TBI: Medical Legal Considerations  
      Ronald M. Ruff PhD

---

**Visit CRAIG HOSPITAL on your way to Vail!**

Craig Hospital is offering a complimentary informal lunch in the Family Housing Conference Room and tours on Friday, January 9, 2015, from 11:30 a.m. to 1:00 p.m. Please check the box on the online registration form and leave your e-mail to register for the tour and lunch.

---

**PRE-SUMMIT TOUR**

**BRAIN INJURY SUMMIT PROGRAM**

---

---
3:30 p.m.   Break — Exhibits Open
3:45 p.m.   Concurrent Sessions

A. Physical Rehabilitation
   Advances in Motor Control Rehabilitation Following TBI
   Jeffrey Kleim PhD
   Utilizing Advanced Technologies to Achieve Motor Learning Principles in TBI Rehabilitation
   Candy Telferter PT, DPT, ATP, NCS

B. Aging
   The Aging TBI Population: Key Points for Clinical Practice
   Debra Braunling-McMorrow PhD
   Contemporary Issues in Geriatric TBI Rehabilitation
   Dave Krych MS, CCC-SLP

C. Mild Brain Injury
   Delayed Recovery After TBI: Is There a Differential Diagnosis?
   Thomas W. McAllister MD
   Attention and Memory Problems Following Mild TBI: Visiting an Old Problem in New Ways
   David Arciniega MD, Fanpa, FAPM, CBIST

D. Social Cognition
   Social Cognition and TBI Rehabilitation
   Lyn Turkstra PhD, CCC-SLP, BC-NCD
   Social Competence Rehabilitation
   Lenny Hawley LCSW, CBIST & Jodi Newman CCC-SLP

Exhibits Open until 6 p.m. – Own your own for dinner

Tuesday, January 13, 2015

7:00 a.m   Interactive Breakfast Sessions

A. Neurobehavioral Functional Analysis: Paradigms for Treatment
   Nancy Napase-Richardson PhD, Dixie Eastridge MA, BCBA, & Jeff Kupfer PhD, BCBA-D

B. Everything You Need to Know About Voice, Airways, and Swallowing Following TBI: A Hands on Crash Course
   Sarah Metz MS, CCC-SLP & Matthew S. Clary MD

C. Practical Translational Physical Rehabilitation Research: Bench to Bedside
   Jeffry Kleim PhD, Candy Telferter PT, DPT, ATP, NCS, & Christopher C. Giza MD

D. Psychotherapy and Neuro-Pharmacology for Emotional Impairments Following TBI
   Ronald M. Ruff PhD & Jonathan Silver MD, FANPA

E. Neurologic Music Therapy: An Interactive Practicum
   Sarah Thompson MM, MT-BC, CBIS

F. Family Management and Support Strategies Following TBI
   James C. Berry PhD, ABPP, Melissa Abate LMSW, & Kristin Carbullido LMHP

G. Functional Vision Rehabilitation: An Interactive Session
   Amy Berryman OTR, MSHSA, Karen Rasavage OTR, & Thomas Politzer OD, FCOVD, FAAO

H. TBI Model Systems of Care: What are we Learning?
   Cindy Harrison-Felix PhD, John D. Corrigan PhD, & Jim Malec PhD

8:15 a.m.   Break — Exhibits Open
8:30 a.m.   Concurrent Sessions

A. Sleep Symposium
   Post-Traumatic Sleep Disorders: Evaluation and Treatment
   Michael Makley MD
   Sleep and Cognition
   Risa Nakase-Richardson PhD

B. Mild TBI Symposium
   Emotional Sequelae of Mild TBI: Diagnostic Assessment and Treatment
   Ronald M. Ruff PhD
   Neuropsychiatric Treatment of Persistent Symptoms after Concussion
   Jonathan Silver MD, FANPA

C. Rehabilitation Outcomes Symposium
   The Proper Metrics for Quantifying TBI Rehabilitation
   Jim Malec PhD
   Outcome Measures for Moderate to Severe Brain Injury: The TBI Edge Project
   Karen McCulloch PT, PhD, NCS

D. Aging Symposium
   Aging TBI as a Chronic Disease
   Tina M. Trudel PhD
   Life Expectancy after TBI
   Cindy Harrison-Felix PhD

9:45 a.m.   Break — Exhibits Open
10:00 a.m. Breakout Concurrent Sessions

A. TBI/SCI Dual Diagnosis: Acute Rehabilitation Management Strategies
   Don Gerber PsyD, ABPP

B. Emotion Recognition Dysfunction Following TBI: Assessment and Therapeutic Interventions
   Barbara Zupan PhD

C. Unconventional Uses of Electrical Stimulation for Motor Rehabilitation
   Denise O’Dell PT, DScPT, NCS, MS & Amy Berryman OTR, MSHSA

D. Post-traumatic Aphasia and Rehabilitative Treatments
   Kim Frey PhD, CCC-SLP, CBIS

E. Effort, Exaggeration, and Malingering after Concussion: What are we Missing?
   Jim Malec PhD

F. "Return to Learn" Following Mild TBI
   Karen McAvoy PsyD
Wednesday, January 14, 2015

7:00 a.m. Interactive Breakfast Sessions
A. Severe TBI: Clinical Case Studies
   Alan Weintraub MD & Risa Nakase-Richardson PhD
B. Neuropsychiatry: Hot Topics in Attention Memory and Cognition
   David Arciniegas MD, FANPA, FAPM, CBIST, Thomas W. McAllister MD & Jonathan Silver MD, FANPA
C. Interactive Adaptive Technology Workshop
   Deepa Thimmaiah MS OTR & Jenniy Peltier OTR
D. Self-Awareness and Emotional Dysregulation Rehabilitation
   Lenore Hawley LCSW, CBIST, Jodi Newman SLP-CCC, Bárbara Zupan PhD, Dawn Neumann PhD, & Lyn Turkstra PhD, CCC-SLP, BC-NCD
E. Understanding Moderate to Severe TBI in the School Setting
   Karen McAvoy PsyD & Judy L. Dettmer BSW
F. The Interaction of Cognitive and Physical Impairments Following TBI: Approaches to Multi-Tasking and Return to Life
   Karen McCulloch PT, PhD, NCS & Nicole Miranda PT, DPT
G. Science, Law, and Strategy in TBI Litigation
   Peter Burg Esq.
H. Philosophies and Practices of Therapeutic Recreation: It's Not Just Fun and Games
   TBD

11:30 a.m. Closing Plenary
Pulling it all Together: Crossing the Bridge between Translational Neuroscience and Best Clinical Rehabilitation Practices
Geoffrey T. Manley MD, PhD

Registration
braininjurysummit.org

Registration until October 31, 2014: $525.00 per registrant
Registration after October 31, 2014: $575.00 per registrant
For groups of 4 or more: $50.00 discount per registrant

For more information, please contact
Amy Berryman at 303-789-8611 or aberryman@craighospital.org

For information regarding Support & Exhibit Opportunities, please contact Melissa Abate at 303-789-8407 or mabate@craighospital.org

We hope to see you in January 2015 in Vail, Colorado for an unforgettable experience and networking opportunity!

Americans with Disabilities Act
Event staff will be glad to assist you with any special needs (ie, physical, dietary, etc). Please contact Jennifer Alport prior to the live event at 303-789-9397 or jalport@craighospital.org

Cancellation Policy:
Craig Hospital reserves the right to cancel this conference due to unforeseen circumstances. A full refund of the registration fee will be provided in this instance. Craig Hospital is not responsible for travel expenses. Cancellation by an attendee will result in a refund of the registration less a $75 processing fee. Notice of cancellation must be received in writing no later than Monday, January 5, 2015. Attendee substitutions are allowed if received in writing by Monday, January 5, 2015. Please note that if you register and do not attend for any reason without written notice you are still liable for the registration fee.

Americans with Disabilities Act
Event staff will be glad to assist you with any special needs (ie, physical, dietary, etc). Please contact Jennifer Alport prior to the live event at 303-789-9397 or jalport@craighospital.org

Cancellation Policy:
Craig Hospital reserves the right to cancel this conference due to unforeseen circumstances. A full refund of the registration fee will be provided in this instance. Craig Hospital is not responsible for travel expenses. Cancellation by an attendee will result in a refund of the registration less a $75 processing fee. Notice of cancellation must be received in writing no later than Monday, January 5, 2015. Attendee substitutions are allowed if received in writing by Monday, January 5, 2015. Please note that if you register and do not attend for any reason without written notice you are still liable for the registration fee.
Melissa Abate LMSW
Clinical Care Manager
Craig Hospital

David Arciniegas MD, FANPA, FAPM, CBIST
Professor Psychiatry, Neurology
PM&R Baylor College of Medicine
Medical Director
Brain Injury Research
TIRR Memorial Hermann

Debra Brauning-McMorrow PhD
Chief Executive Officer
Learning Services

James C. Berry PhD, ABPP
Clinical Neuropsychologist
Craig Hospital

Amy Berryman OTR, MSHSA
Brain Injury Supervisor
Occupational Therapy
Craig Hospital

Peter Burg Esq., Attorney
Burg Simpson

Matthew S. Clary MD
Neuro-Otalaryngologist
University of Colorado
School of Medicine

Kristin Carbullido LMHP
Director of Clinical Services
QLI Omaha

John D. Corrigan PhD
Professor
Department of PM&R
Ohio State University

Judy L. Dettmer BSW
Director
Colorado Brain Injury Program
Colorado Department of Human Services

Dixie Eastridge MA, BCBA
Neurobehavioral Institute-West
Learning Services

Frances D. Faro MD
Orthopedic Foot-Ankle Surgeon
Orthopaedic Physicians of Colorado

Kim Frey PhD, CCC-SLP, CBIST
Director of Speech Therapy
Craig Hospital

Don Gerber PsyD, ABPP
Clinical Neuropsychologist
Principal Investigator
Craig Hospital

Christopher C. Giza MD
Professor of Pediatric Neurology and Neurosurgery
UCLA Brain Injury Research Center

Cindy Harrison-Felix PhD
Project Director; Traumatic Brain Injury Model Systems; National Data and Statistical Center
Director of Research
Craig Hospital

Lenore Hawley LCSW, CBIST
Research Clinician
Craig Hospital

Harvey E. Jacobs PhD, CLCP
Licensed Clinical Psychologist; Certified Life Care Planner

Michael W. Kirkwood PhD, ABPP/CN
Pediatric Neuropsychologist
Co-Director
Concussion Program
Children's Hospital Colorado

Jeffrey Kleim PhD
Associate Professor
Undergraduate Program Chair
School of Biological and Health Systems Engineering
Arizona State University

Dave Krych MS, CCC-SLP
VP of Strategic Development
Remed Recover Care Centers

Jeffrey Kupfer PhD, BCBA-D
Licensed Psychologist
Neurobehavioral Institute-West
Learning Services

Michael Makley MD
Neurologist and Brain Injury Rehabilitation Specialist
Craig Hospital

Jim Malec PhD
Director of Research
Rehabilitation Hospital of Indiana
Emeritus Professor Psychology
Mayo Clinic

Geoffrey T. Manley MD, PhD
Professor and Chief of Neurosurgery
San Francisco General Hospital

Brent Masel MD
Medical Director
Transitional Learning Center of Galveston

Thomas W. McAllister MD
Albert E. Sterne Professor and Chair, Department of Psychiatry
Indiana University School of Medicine

Karen McEvoy PsyD
Director, Center for Concussion
Rocky Mountain Hospital for Children

Karen McCulloch PT, PhD, NCS
Professor and Assistant Director for Distance and Continuing Education
University of North Carolina at Chapel Hill

Sarah Metz MS, CCC-SLP
Speech-Language Pathologist
Craig Hospital

Dawn Neumann PhD
Assistant Professor
IU School of Medicine
Rehabilitation Hospital of Indiana

Jody Newman CCC-SLP
Research Clinician
Craig Hospital

Risa Nakase-Richardson PhD
Clinical Neuropsychologist
Principle Investigator
James A. Haley Veterans Hospital

Denise O'Dell PT, DScPT, NCS, MS
Clinical Mentor and Education Coordinator
Craig Hospital

Thomas Politzer OD, FCVO, FAAO
Optometrist
Craig Hospital

Jennifer Peltier OTR
Assistive Technology Specialist
Craig Hospital

Karen Rasavage OTR
Clinical Mentor and Education Coordinator
Craig Hospital

Peter E. Ricci MD
Neuroradiologist
Swedish Medical Center

Ronald M. Ruff PhD
Clinical Neurosciences
San Francisco Clinical Neurosciences

Ronald C. Savage EdD
President Sarah Jane Brain Foundation
North American Brain Injury Society

Jonathan Silver MD, FANPA
Clinical Professor of Psychiatry
NYU School of Medicine

Candy Tefertiller PT, DPT, ATP, NCS
Director of Physical Therapy
Craig Hospital

Deepa Thimmaiah MS OTR
Occupational Therapist
Craig Hospital

Sarah Thompson MM, MT-BC, CBIS
Music Therapist
Craig Hospital

Tina M. Trudel PhD
Chief Operating Officer
Lakeview NeuroRehabilitation Centers & Specialty Hospitals
Assistant Professor
University of Virginia School of Medicine

Lyn Turkstra PhD, CCC-SLP BC-NCD
Professor
Department of Communication Sciences and Disorders
University of Wisconsin - Madison

Alan H. Weintraub MD
Medical Director
Brain Injury Program
Craig Hospital

Hal S. Wozzsel MD
Michael K. Cooper Professor of Neurocognitive Disease
Assistant Professor of Psychiatry and Neurology
University of Colorado School of Medicine

Barbara Zupan PhD
Associate Professor
Department of Applied Linguistics
Brock University
Proceeds from the 2015 Brain Injury Summit will benefit patient assistance programs for survivors of brain injury and their families.