

DECLARATION OF JAMES P. KELLY, M.D.

I, James P. Kelly, M.D., have personal knowledge of the facts stated in this declaration and, if called as a witness, I could and would testify competently thereto under oath. I declare as follows:

1. I am a licensed physician in Colorado and Illinois and an Attending Neurologist at the University of Colorado Hospital. I am a Diplomate in Neurology of the American Board of Psychiatry and Neurology and a Fellow of the American Academy of Neurology.

2. I am a Visiting Professor in the Department of Neurosurgery at the University of Colorado School of Medicine in Denver, Colorado.

3. I am an Examiner for the American Board of Psychiatry and Neurology.

4. I am currently Chairman of AAN news Subcommittee, Publications Committee of the American Academy of Neurology.

5. I serve on the Board of Governors for the International Brain Injury Association.

6. Since 2003, I have participated in Mild Traumatic Brain Injury and Mass Trauma Events for the National Center for Injury Prevention and Control, Centers for Disease Control and Prevention.

7. I was Director of the Brain Injury Program at the Rehabilitation Institute of Chicago from 1993 to 2000 and a member of the International Working Party on the Vegetative State which was convened by the Royal Hospital for Neuro-Disability at the Royal College of Physicians in London, England in 1995.

8. Since 1994, I have been involved in a research project, "Assessment of the Minimally Conscious Patient," Development of an Evaluation Instrument for the Rehabilitation Institute of Chicago.

9. I am a co-author of the research that created the term "minimally conscious state" or "MCS" and directed the Aspen Neurobehavior Conferences in the 1990s where this new term was coined. MCS is intended to describe someone who is in a higher state of neurocognitive

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1 functioning than Vegetative State (VS). The term Minimally Conscious State (MCS) was not  
2 used in this context before the late 1990s.

3 10. I am a co-author on research papers coming out now, that have validated the Disorders  
4 of Consciousness Scale (DOCS), which was developed to distinguish between the states of  
5 coma, PVS, and MCS. Bedside tests, such as the DOCS, can be used to determine a person's  
6 level of consciousness.

7 11. A copy of my CV is attached for the reader's review.

8 12. Regarding Terri Schiavo, it would be inappropriate for me to offer a diagnosis or  
9 prognosis without examining her. However, the evidence presented in lay press accounts, radio  
10 broadcasts and internet sites indicating that she smiles appropriately, opens and closes her eyes  
11 on command and attempts to speak suggests that Terri Schiavo is not in a vegetative state but is  
12 in MCS (or possibly a higher level of functioning). If this is the case, Dr. Ron Cranford and  
13 other medical expert witnesses have been wrong in their statements that she is in a "persistent  
14 vegetative state". People in vegetative state are consistently unconscious and do not interact in a  
15 meaningful way with people or the environment around them. There is only reflexive reaction or  
16 stereotyped response to external stimulation in VS.

17 13. I have been asked on three occasions to present the issues of the ethical dilemmas  
18 involved in Terri Schiavo's case to academic audiences, and I have reviewed the available  
19 information thoroughly for those occasions.

20 14. The issue of removing Ms. Schiavo's the feeding tube is problematic as well. The actual  
21 physical removal of the tube is unnecessary and inappropriate. Feeding tubes should be left in  
22 place even if feedings are discontinued. The tube is the best route for medicines to be offered in  
23 "comfort care" protocols at the end-of-life. Removing the feeding tube and putting it back in  
24 place, as apparently has been done in Terri Schiavo's case, can be physically traumatic and  
25 painful. Regardless of the decision to stop or to continue feedings, there is no reason to consider  
removing the tube.

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1 15. If an MRI of Terri Schiavo's brain has not been done in the last 12 months, one should be  
2 obtained to compare with earlier images to determine if her brain anatomy has undergone any  
3 changes over the interval of time. While it is possible that functional neuroimaging such as  
4 fMRI could offer information about the pattern of activation of her brain under specific  
5 stimulation applications, such testing is not routinely done for clinical purposes. This type of  
6 testing is considered experimental at this time and should be done only in academic settings with  
7 ongoing research protocols investigating coma/VS/MCS.

8 16. I would agree to review all pertinent medical records and examine Terri Schiavo to  
9 determine her level of consciousness, if asked to do so by the court. Her swallowing would be  
10 best assessed by a skilled and experienced Speech Pathologist and a diagnostic Modified Barium  
11 Swallow radiological test.

12  
13 I declare under the penalty of perjury under the laws of the State of Colorado that the  
14 foregoing is true and correct.

15 Executed this 7<sup>th</sup> day of March, 2005, in Denver, Colorado.  
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18 James P. Kelly, MD  
19 James P. Kelly, MD, FAAN, Declarant  
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## CURRICULUM VITAE

JAMES P. KELLY, MD, FAAN

### ADDRESS

Department of Neurosurgery	Colorado Area Health Education
University of Colorado School of Medicine	Center System – Suite 217
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### CURRENT PROFESSIONAL ACTIVITIES

Visiting Professor, Department of Neurosurgery, University of Colorado School of Medicine, Denver, CO. 2004-present.

Coordinator, Health Professions Continuing Education, Colorado Area Health Education Center, Aurora, CO. 2004-present.

Attending Neurologist, University of Colorado Hospital, Denver and Aurora, CO. 2004-present.

Examiner, American Board of Psychiatry and Neurology, Oral Examination (Part 2). Boston, MA. 1998- present.

Consulting Neurologist, National Hockey League Players Association, Toronto, Canada. 1999-present.

Medical Officer, Colorado Wing, Civil Air Patrol, U. S. Air Force Auxiliary, Centennial, CO. 2003-present.

Consulting Physician, Aspen Skiing Company, Aspen, CO. 2002-present.

Adjunct Associate Professor of Mechanical Engineering and Applied Mechanics, North Dakota State University, Fargo, ND. 2003-present.

Chairman, *AAN news* Subcommittee, Publications Committee, American Academy of Neurology, 2005 – 2007.

## EDUCATION

Western Michigan University, Kalamazoo, MI. Psychology major, Chemistry minor, B.A. Cum laude. April, 1974.

Western Michigan University, Kalamazoo, MI. Clinical Psychology, M.A. August, 1977.

Northwestern University Medical School, Division of Clinical Psychology, Chicago, IL. Clinical Psychology, Doctoral Program. 1982-1984.

Northwestern University Medical School, Chicago, IL. Medicine, M.D. June, 1983.

## TRAINING

Internship, Clinical Psychology, Kalamazoo State Hospital, Kalamazoo, MI. 1976.

Internship, Clinical Psychology, MultiClinic, Western Michigan University, Kalamazoo, MI. 1975-1977.

Internship, Clinical Psychology, University Counseling Center, Western Michigan University, Kalamazoo, MI. 1977.

Practicum, Clinical Psychology, Rehabilitation Institute of Chicago, Northwestern University Medical School, Chicago, IL. 1982-1983.

Practicum, Clinical Psychology, Institute of Psychiatry, Northwestern University Medical School, Chicago, IL. 1983-1984.

Internship, Flexible/Transitional, Southwestern Michigan Area Health Education Center, Borgess/Bronson Hospitals, affiliated with Michigan State University College of Human Medicine, Kalamazoo, MI. 1984-1985.

Residency, Neurology. University of Colorado School of Medicine, Department of Neurology, Denver, CO. 1985-1988.

Fellowship, Behavioral Neurology and Neurotoxicology, University of Colorado School of Medicine, Department of Neurology, Denver, CO.

## CURRENT COMMITTEE ACTIVITIES

### International

Board of Governors, International Brain Injury Association. 2003-Present.

Concussion in Sport Group. Joint Sponsors: International Olympic Committee, International Ice Hockey Federation, Federation Internationale de Football Associations. 2001-Present.

### National

Mild Traumatic Brain Injury and Mass Trauma Events, National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. 2003-Present.

Traumatic Brain Injury Education for Coaches Advisory Group, National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. 2003-Present.

AANnews Subcommittee of the Membership Committee, American Academy of Neurology. 2002-Present.

## LICENSURE AND CERTIFICATION

Diplomate in Neurology, American Board of Psychiatry and Neurology. 1991.

License, Physician and Surgeon, Illinois Department of Professional Regulation. 1993-Present.

License, Practice of Medicine, Colorado State Board of Medical Examiners. 1986-Present.

License, Practice of Medicine, Michigan Medical Board. 1985-1986.

Diplomate, National Board of Medical Examiners. 1985.

Provider Certificate, Advanced Trauma Life Support (ATLS), American College of Surgeons. 1985-1994.

Instructor Certificate, First Aid and Cardiopulmonary Resuscitation (CPR), American Red Cross, 2000.

## PAST PROFESSIONAL/COMMITTEE ACTIVITIES

### International

Member, Working Party on the Management of the Vegetative State, The Royal Hospital for Neuro-disability, London, England. 1995.

### National/Regional

Pronouncements Committee Working Group on Sports Concussion, National Athletic Trainers Association. 2002-2004.

Medical Director, Chicago Neurological Institute, Chicago, IL. 2000-2004.

Mentor, Kelly College, Northwestern University, Feinberg School of Medicine, Chicago, IL. 2000-2004.

Associate Professor of Clinical Neurology, Northwestern University, Feinberg School of Medicine, Chicago, IL. 1998-2004.

Attending Neurologist, Northwestern Memorial Hospital, Chicago, IL. 1994-2004.

Consulting Neurologist, Rehabilitation Institute of Chicago, Chicago, IL. 1993-2000 and 2001-2004.

Consulting Neurologist, Chicago Bears, National Football League, Lake Forest, IL. 1996-2003.

Co-Director, Midwest Regional Head Injury Center for Rehabilitation and Prevention, (funded by National Institute of Disability and Rehabilitation Research, U.S. Department of Education) Chicago, IL. 1993-1995.

Member, Mayo Medical Center Regional Traumatic Brain Injury Advisory Council. 1993-1996.

Vice-Chair, National Advisory Council, Brain Injury Association (Formerly known as the National Head Injury Foundation), Washington, DC. 1994-1996.

Subject Matter Expert for Paramedic: National Standard Curriculum, National Highway Transportation Safety Administration, Pittsburgh, PA. 1996-1998.

National Advisory Panel for Traumatic Brain Injury Rehabilitation Evidence Based Review, Agency for Healthcare Policy and Research, Washington, DC, 1997-1998.

Preventive Neurology Task Force, American Academy of Neurology, 1995-1999.

Board of Directors, Brain Injury Association (formerly known as the National Head Injury Foundation), 1996-1999.

Traumatic Brain Injury Brochure Expert Panel, National Center for Injury Prevention and Control, Center for Disease Control and Prevention, Atlanta, GA, 1997-1999.

Traumatic Brain Injury State Demonstration Grant Advisory Committee, Health Resources and Services Administration, Maternal and Child Health Bureau, U.S. Department of Health and Human Services, Washington D.C., 1997-1999.

Coordinator and Co-Founder, Aspen Neurobehavior Conference, Aspen, CO, 1995-1999.

Neuropsychological Consequences of Head Impact in Youth Soccer, Institute of Medicine, Washington D.C. 2001- 2002.

Traumatic Brain Injury Tool Kit Advisory Group, Centers for Disease Control and Prevention, Atlanta, GA, 2002-2003.

Public and Professional Information Committee, American Academy of Neurology, Minneapolis, MN, 1999-2002.

#### State

Chairman, Resident Physician Section, Colorado Medical Society, Denver, CO, 1989.

Vice-President, Board of Directors, Colorado Head Injury Foundation, Englewood, CO, 1992-1993.

Chairman, Sports Medicine Committee, Colorado Medical Society, Englewood, CO, 1992-1993.

Member, Governor's Head and Spinal Cord Injury Advisory Council, Illinois Department of Rehabilitation Services, 1994-1996.

#### Academic

Workshop Leader, Faculty Member, Midwest Institute of Alcohol Studies, 1978-1979.



Educational Consultant, Psychology Department, Rehabilitation Institute of Chicago (National Institute of Mental Health Summer Fellowship), Chicago, IL. 1980 and 1981.

Instructor, Science Department, Columbia College, Chicago, IL. 1982-1983.

Teaching Assistant in Neuropsychological Assessment Course, Division of Clinical Psychology, Northwestern University Medical School, Chicago, IL. 1983.

Adjunct Assistant Professor, MultiClinic, College of Health and Human Services, Western Michigan University, Kalamazoo, MI. 1985-1986.

Chief Resident, Department of Neurology, University of Colorado School of Medicine, Denver, CO. 1987-1988.

Instructor, Department of Neurology, University of Colorado School of Medicine, Denver, Co. 1988-1991.

Assistant Dean, Graduate Medical Education, University of Colorado School of Medicine, Denver, CO. 1989-1993.

Director of Resident Selection, Department of Neurology, University of Colorado School of Medicine, Denver, CO. 1990-1993.

Educational Consultant, Technical Medical Animation Corporation (TMAC), Denver, CO. 1990-1993.

Assistant Professor, Departments of Neurology, Surgery (Neurosurgery) and Psychiatry, University of Colorado School of Medicine, Denver, CO. 1991-1993.

Assistant Professor, Departments of Physical Medicine & Rehabilitation and Neurology, Northwestern University Medical School, Chicago, IL. 1993-1998.

Graduate Medical Education Committee, Northwestern University Medical School. 1995-1999.

Dissertation Committee for T. Bender-Pape, University of Illinois School of Public Health, "Assessment of the Minimally Conscious Patient-AMP". 1995-1999.

Director, Neurology Residency Training Program, Northwestern University Medical School. 1995-1999.

Medical Education Committee, Department of Physical Medicine and Rehabilitation, Northwestern University Medical School. 1993-2000.

Appointment, Promotion and Tenure Committee, Department of Physical Medicine and Rehabilitation, Northwestern University Medical School. 1994-2000.

Associate Professor, Department of Physical Medicine and Rehabilitation, Northwestern University Medical School. 1998-2000.

Outcomes Management Advisory Group, Rehabilitation Institute of Chicago. 1997-2000.

Education Council, Northwestern University Medical School. 1999-2002.

Associate Visiting Professor of Neurology, University of Colorado School of Medicine. 1998-2000.

### Hospital

Ethics Forum, Rehabilitation Institute of Chicago. 1995-Present. The Center for Study of Disability Ethics (founding member), Rehabilitation Institute of Chicago. 1999-2004.

Ethics Committee, Northwestern Memorial Hospital, 2001-2004.

Psychologist, Psychology Department and Program Coordinator, Adolescent Treatment Team, Mental Health Unit, Riverside Medical Center, Kankakee, IL. 1977-1979.

Chief Extern, Medical Consultation Service, Institute of Psychiatry, Northwestern Memorial Hospital, Chicago, IL. 1983-1984.

President, Housestaff Association, University of Colorado Health Sciences Center and Affiliated Hospitals, Denver, CO. 1988-1989.

Consulting Neurologist and Electroencephalographer, Colorado Mental Health Institute at Fort Logan, Denver, CO. 1988-1993.

Consulting Neurologist, Colorado Mental Health Institute at Pueblo, Pueblo, CO. 1988-1993.

Attending Neurologist, Denver Veterans Affairs Medical Center, Denver, CO. 1989-1992.

Attending Neurologist, Denver General Hospital, Denver, CO. 1989-1993.

Attending Neurologist, University Hospital, Denver, CO. 1989-1993.

Consulting Neurologist, Brain Injury Rehabilitation Services, Spaulding Rehabilitation

Hospital, Denver, CO. 1990-1991.

Attending Neurologist, Memory Disorders Clinic, University Hospital, Denver, CO. 1990-1992.

Consulting Neurologist, Mediplex Rehab-Denver, Thornton, CO. 1990-1993.

Consulting Neurologist, Rocky Mountain Rehabilitation Institute, Aurora, CO. 1992.

Medical Director, RIC Day Rehab Center-Grand Avenue (formerly called the Center for Neurorehabilitation and Re-Entry), Rehabilitation Institute of Chicago, Chicago, IL. 1993-1996.

Consulting Physician, Columbus Hospital, Chicago, IL. 1994-1996.

Medical Director, RIC Day Rehab Center-Willowbrook Rehabilitation Institute of Chicago, Chicago, IL. 1995-1996.

Medical Records Committee, Rehabilitation Institute of Chicago. 1995-1997.

Quality Improvement Task Force on Interdisciplinary Team Conferences, Rehabilitation Institute of Chicago. 1994-1998.

Research Committee, Northwestern Memorial Hospital. 1996-1999.

Director, Brain Injury Program, Rehabilitation Institute of Chicago, Chicago, IL. 1993-2000.

Attending Physician, Rehabilitation Institute of Chicago, Chicago, IL. 1993-2000.

Consulting Neurologist, Rehabilitation Institute of Chicago. 1993-2000.

Injury Prevention Advisory Board, Rehabilitation Institute of Chicago. 1994-2000.

#### REVIEW AND REFEREED WORK

Applied Neurology – Editorial Advisory Board

Archives of Physical Medicine and Rehabilitation

British Journal of Sports Medicine

Child Abuse and Neglect: The International Journal

Clinical Journal of Sport Medicine

Cortex

Doody's Health Sciences Book Review Journal

Journal of Head Trauma Rehabilitation, Issue Editor, April, 1998.

Journal of Neuroimaging

The Journal of the American Medical Association

Neurology

Neuropsychiatry, Neuropsychology and Behavioral Neurology

Pediatrics

Psychological Reports

#### RESEARCH

"The Neuropsychological Effects of Mild Head Injury," Pilot Project, Denver General Hospital and University Hospital, Funded by Dept. of Psychiatry, University of Colorado School of Medicine, Denver, CO. 1989-1994.

"Metabolic Studies in Dementia, Aging and Demyelination," National Institute on Aging Program Project Grant, University of Colorado School of Medicine, Denver, CO. Senior Investigator. 1991-1993.

"Incidence of Concussion in Patients Admitted to a Trauma Service", University of Colorado Health Sciences Center, Denver, CO. 1993-2000.

"Assessment of the Minimally Conscious Patient," Development of an Evaluation Instrument, Rehabilitation Institute of Chicago. 1994-Present.

"Cognitive Deficits Due to Concussion in Sports", Rehabilitation Institute of Chicago and Northwestern University Medical School, Chicago, IL. 1995-2003.

A Prospective Study on Injury Assessment, Return to Play and Outcome Following Concussion in Athletes", Research Grant Proposal submitted to The National Collegiate Athletic Association-NCAA Committee on "Competitive Safeguards and Medical Aspect

of Sports", Milwaukee, WI. Consultant. 1999-Present.

#### MEMBERSHIPS

American Academy of Neurology. 1986-Present.

American Congress of Rehabilitation Medicine. 1993-2000. Brain Injury Interdisciplinary Special Interest Group, 1993-2000.

American Medical Association. 1980-Present.

American Neurological Association. 2003-Present.

Association of University Professors of Neurology, 1995-1999.

Society for Behavioral and Cognitive Neurology. 1991-Present.

Brain Injury Association (Formerly known as the National Head Injury Foundation), 1988- Present. Board of Directors, 1996-Present. National Advisory Council. 1993-1996; Vice-Chair, 1994-1996. Strategic Planning Committee, 1994-1995. By-Laws and Association Agreement Committee, 1994-1998. 1994 Annual Symposium Planning Committee.

Chicago Medical Society. 1994-2004.

Colorado Head Injury Foundation, 1988-1993. Board of Directors. 1992-1993.

Colorado Medical Society, 1986-1993. Sports Medicine Committee. 1989-1993.

Colorado Society of Clinical Neurologists. 1990-1993.

Denver Medical Society. 1988-1994.

Illinois Council Against Handgun Violence. 1997-2004.

Illinois State Medical Society, 1980-1983, 1994-Present. Medical Legal Council. 1980-1983.

#### AWARDS and HONORS

Cum Laude, Western Michigan University, 1974.

Kemper Medical Scholarship, 1979-1983.

National Institute of Mental Health, Summer Fellowship, 1980.

University Scholar, The Graduate School of Northwestern University, 1982-1983.

Chief Resident, Department of Neurology, University of Colorado School of Medicine, 1987-1988.

Sheldon Berrol Clinical Services Award, Brain Injury Association, 1995.

James Brady Award, Brain Injury Association of Illinois, 1997.

Founder's Appreciation Award, Aspen Neurobehavioral Conference, 1999.

Castle Connelly Guide. How to Find the Best Doctors, Chicago Metropolitan Area, First Edition, 1999.

Top Doctors, Chicago Metro Area, 2001-2003.

Nationwide Register's Who's Who in Executives and Business, Life member, 2000 Millennium Edition.

National Registry's Who's Who, Life Member, 2000 Edition.

Strathmore's Who's Who 2000-2001.

Kingston's National Registry of Who's Who, Life Member, 2002 Edition.

Fellow, American Academy of Neurology, 2000.

Journal of Athletic Training *Clint Thompson Award* for the Outstanding Non-Research Manuscript, 2002.

Best Doctors in America, 2001-2004.

Marquis Who's Who in Medicine and Healthcare, 4<sup>th</sup> Edition 2002, 5<sup>th</sup> Edition 2004

Marquis Who's Who in the World, 21<sup>st</sup> Edition 2003.

American Neurological Association, 2003.

## REFEREED PUBLICATIONS

### **Articles**

1. Kelly JP, Nichols JS, Filley CM, Lillehei KO, Rubinstein D, Kleinschmidt-DeMasters BK. Concussion in Sports: Guidelines for the Prevention of Catastrophic Outcome. *JAMA* 1991; 266(20):2867-2869.
2. Pennypacker LC, Allen RH, Kelly JP, Mathews LM, Grigsby J, Kaye K, Lindenbaum J, Stabler SP. High Prevalence of Cobalamin Deficiency in Elderly Outpatients. *J Amer Geriatrics Society* 1992; 40(12):1197-1204.
3. Burkhardt C, Kelly JP, Lim YH, Filley CM, Parker WD. Neuroleptic Medications Inhibit Complex I of the Electron Transport Chain. *Annals of Neurology* 1993; 33:512-517.
4. Filley CM, Kelly JP. Alcohol and Drug-Related Neurotoxicity. *Current Opinion in Neurology and Neurosurgery* 1993; 6:443-447.
5. Rubinstein D, Escott E, Kelly J. Methanol Intoxication with Putaminal and White Matter Necrosis: MR and CT Findings. *American Journal of Neuroradiology* 1995; 16:1492-1494.
6. Schmidt MF, Garvin LJ, Heinemann AW, Kelly JP. Gender and Age-Related Role Changes Following Brain Injury. *Journal of Head Trauma Rehabilitation* 1995; 10(4):14-27.
7. McCrea M, Kelly JP, Kluge J, Ackley B, Randolph C. A Standardized Method for the Sideline Assessment of Concussion in Football Players. *Neurology* 1997; 48:586-588.
8. Kelly JP, Rosenberg, JH. The Diagnosis and Management of Concussion in Sports. *Neurology* 1997; 48:575-579.
9. Kelly JP, Rosenberg JH. American Academy of Neurology report: Practice Parameter: The Management of Concussion in Sports (Summary Statement). *Neurology* 1997; 48:581-585.
10. Giacino J, Zasler N, Katz D, Kelly J, Rosenberg J, Filley C. Development of Practice Guidelines for Assessment and Management of the Vegetative and Minimally Conscious States: Proceedings of the Aspen Neurobehavioral Conference, *Journal of Head Trauma Rehabilitation* 1997; 12(4):79-89.
11. Kelly JP, Rosenberg, JH. The Development of Guidelines for the Management of Concussion in Sports. *Journal of Head Trauma Rehabilitation* 1998; 13(2):53-65.
12. McCrea M, Kelly JP, Randolph C, Kluge J, Bartolic E, Finn G, Baxter B. Standardized Assessment of Concussion (SAC): Onsite Mental Status Evaluation of the Athlete. *Journal of Head Trauma Rehabilitation* 1998; 13(2):27-35.

13. Patyk M, Gaynor S, Kelly J, Ott V. Touch-Screen Computerized Education for Patients with Brain Injuries. *Rehabilitation Nursing* 1998; 23(2):84-87.
14. Zubosky JP, Dugan SA, Young JL, Rode RK, Kelly JP. A Retrospective Review of the Incidence and Rehabilitation Outcome of Concomitant Traumatic Brain Injury and Ligamentous Knee Injury. *Archives of Physical Medicine and Rehabilitation* 1998;79:805-810.
15. Hanlon RE, Demery JA, Montinovich Z, Kelly JP. Effects of Acute Injury Characteristics on Neuropsychological Status and Vocational Outcome Following Mild Traumatic Brain Injury. *Brain Injury* 1999;13(11):873-887.
16. Kelly, JP. Concussion in Sports and Recreation. *Seminars in Neurology* 2000;20(2):165-171.
17. Filley CM, Price BH, Weissberg M, Nell V, Morgan AS, Antoinette T, Bresnahan JP, Pincus J, Gelbort MM, Kelly JP. Toward an Understanding of Violence: Neurobehavioral Aspects of Unwarranted Interpersonal Aggression. Aspen Neurobehavioral Conference Consensus Statement. *Neuropsychiatry, Neuropsychology and Behavioral Neurology* 2001;14(1):1-14.
18. Kelly JP. Loss of Consciousness: Pathophysiology and Implications in Grading and Safe Return to Play. *Journal of Athletic Training* 2001;36(3):249-252.
19. Giacino JT, Ashwal S, Childs N, Cranford R, Jennett B, Katz DI, Kelly JP, Rosenberg J, Whyte J, Zafonte R, Zasler N. The Minimally Conscious State: Definition and Diagnostic Criteria. The Aspen Neurobehavioral Conference Consensus Statement. *Neurology* 2002; 58(3):349-353.
20. Aubry M, Cantu R, Dvorak J, Graf-Baumann T, Johnston K, Kelly JP, Lovell M, McCrory P, Meenwisse W, Schamasch P. Summary and Agreement Statement of the First International Conference on Concussion in Sport, Vienna 2001. *The Physician and SportsMedicine* 2002; 30(2):57-63. Simultaneously published in the *Clinical Journal of Sport Medicine* 2002; 12(1):6-11 and the *British Journal of Sports Medicine* 2002; 36(1):6-10.
21. McCrea M, Kelly JP, Randolph C, Cisler RC, Berger L. Immediate Neurocognitive Effects of Concussion. *Neurosurgery* 2002; 50(5): 1032-1042.
22. Dubow J, Kelly JP. Epilepsy in Sports and Recreation. *Sports Medicine* 2003; 33(7):499-516.
23. Guskiewicz KM, McCrea M, Marshal SW, Cantu RC, Randolph C, Barr W, Onate JA, Kelly JP. Cumulative effects associated with recurrent concussion in collegiate



football players: The NCAA Concussion Study. JAMA 2003;290:2549-2555.

24. McCrea M, Guskiewicz KM, Barr W, Marshall SW, Randolph C, Cantu RC, Onate JA, Yang J, Kelly JP. Acute effects and recovery time following concussion in collegiate football players: The NCAA Concussion Study. JAMA 2003;290:2556-2563.

25. Guskiewicz KM, Bruce SL, Cantu RC, Ferrara MS, Kelly JP, McCrea M, Putukian M, Valovich McLeod TC. National Athletic Trainers' Association Position Statement: Sport-Related Concussion. J Athletic Training 2004;39(3):280-297.

26. Guskiewicz KM, Bruce SL, Cantu RC, Ferrara MS, Kelly JP, McCrea M, Putukian M, Valovich McLeod TC. Recommendations on Management of Sport-Related Concussion: Summary of the National Athletic Trainers' Association Position Statement. Neurosurgery 2004;55(4):891-896.

27. McCrea M, Barr WB, Guskiewicz KM, Randolph C, Marshall SW, Cantu R, Onate JA, Kelly JP. Standard Regression-Based Methods for Measuring Recovery After Sports-Related Concussion. J International Neuropsych Soc 2005;11(1):58-69.

28. Pape T, Heinemann AW, Kelly JP, Hurder A, Lundgren S. A measure of neurobehavioral functioning after coma Part I: theory, reliability and validity of the Disorders of Consciousness Scale. Journal of Rehabilitation Research and Development (In Press).

29. Pape T, Senno R, Guernon A, Kelly JP, Parrish T. A measure of neurobehavioral functioning after coma Part II: Clinical and scientific implications. Journal of Rehabilitation Research and Development (In Press).

30. Hanlon RE, Demery J, Kelly JP. Effect of subarachnoid hemorrhage on neuropsychological outcomes after moderate-severe traumatic brain injury. Brain Injury (In Press).

31. McCrory P, Johnston K, Meewisse W, Aubry M, Cantu R, Dvorak J, Graf-Baumann T, Kelly JP, Lovell M, Schamasch P. Summary and agreement statement of the 2<sup>nd</sup> International Conference on Concussion in Sport, Prague 2004. Simultaneous publications in Brit J Sports Med, Clin J Sport Med, Phys and SportsMed, Neurosurg (In Press).

## NON-REFEREED PUBLICATIONS

### Book Chapters

1. Filley CM, Kelly JP. Neurobehavioral Effects of Focal Subcortical Lesions. In: Cummings, JL, Ed. Subcortical Dementia. New York: Oxford University Press, 1990.

2. Kelly JP, Filley CM. Neurobehavioral Toxicology. In: Sullivan, JB, Ed. Hazardous Materials Toxicology. Baltimore: Williams and Wilkins, 1992.
3. Kelly JP. Paraneoplastic Neurological Syndromes. In: Wood M, Ed. Hematology-Oncology Secrets. Philadelphia: Hanley & Belfus, 1994.
4. Kelly JP, Filley CM. Traumatic Brain Injury in Children. In: Simkins, C, Ed. Analysis, Understanding and Presentation of Cases Involving Traumatic Brain Injury. Washington, DC: Brain Injury Association (Formerly known as the National Head Injury Foundation), 1994.
5. Kelly JP. Concussion in Sports. In: Torg JS, Shephard RJ, Eds. Current Therapy in Sports Medicine, 3rd Edition. Philadelphia: Mosby, 1995.
6. Kelly JP, Rosenberg NL. Brain and Spinal Cord Injuries in the Work Place. In: Rosenberg NL, Ed. Occupational and Environmental Neurology. Newton, MA: Butterworth-Heinemann, 1995.
7. Kelly JP. Head Injuries in Sports. Hoerner, EF, Ed. Symposium on Safety in American Football (Special Technical Publication). Philadelphia, PA. American Society for Testing and Materials, 1996.
8. Kelly JP. Paraneoplastic Neurological Syndromes. In: Wood M, Ed. Hematology-Oncology Secrets, 2nd Edition. Philadelphia: Hanley & Belfus, 1999.
9. Filley CM, Kelly JP. Clinical Neurotoxicology and Neurobehavioral Toxicology. In: Sullivan JB, Krieger GR, Eds. Clinical Environmental Health and Toxic Exposures. 2nd Edition. Philadelphia: Lippincott, Williams and Wilkins, 2001.
10. Kelly JP, Thompson LL. Neuropsychology in Traumatic Brain Injury Litigation. Simkins, C, Ed. Analysis, Understanding and Presentation of Cases Involving Traumatic Brain Injury, 2nd Edition. Washington, DC: Brain Injury Association (Formerly known as the National Head Injury Foundation). (In press).

#### Articles

1. Kelly JP, Filley CM. Neurological Aspects of Taste and Smell. Oto '88 1988; 2:7-9.
2. Kelly JP. Education, Awareness and Prevention of Brain Injuries in Sports. Brain Injury Association (Formerly known as the National Head Injury Foundation) TBI

Challenge! 1995; 3(1):3-7.

3. Kelly JP. Sports-Related Recurrent Brain Injuries-United States (MMWR. 1997;46:224-227). JAMA 1997;277(15):1190-1191.
4. Kelly JP, Ramundo M, Thurman DJ, Zink BJ. Improving Outcome After Brain Trauma. Patient Care. Emergency Handbook 97, August 15, 1997: 36-71.
5. Kelly JP. Preface. Journal of Head Trauma Rehabilitation 1998;13(2):v-vi.
6. Kelly JP, Savage RC. Concussion in Sports and Return to School Issues Following Concussion. Brain Injury Source 1999;3(3):34-37.
7. Kelly JP. Concussion, Grolier Multimedia Encyclopedia. <http://gme.grolier.com> and 2002 edition Grolier Multimedia Encyclopedia CD Rom.
8. Filley CM, Kelly JP, Price BH. Violence and the Brain: An Urgent Need for Research. The Scientist, April 2, 2001;39.
9. Kelly JP. Uncertain Outcome. Brain Injury Source, Summer 2003:25.

#### Editorials

1. Kelly JP. Traumatic Brain Injury and Concussion in Sports. JAMA 1999;282(10):989-991.

#### Letters

Kelly JP, Stevens JC. Reply from authors in response to letter from Dr. Barry Jordan regarding (Management of Concussion in Sports(. Neurology 1999;53(4):892

Kelly JP, Filley CM. Letter to the Editor, "Proneness to psychological distress is associated with Alzheimer's disease". Neurology 2004;63:941.

#### REVIEWS, REPORTS AND PROCEEDINGS

1. Kelly JP. Committee Report. Guidelines for the Management of Concussion in Sports. Colorado Medicine. August, 1990.
2. Kelly JP, Ed. Proceedings of the Mild Head Injury Conference 1991. Publication of the Colorado Department of Health. May, 1992.

3. Kelly JP. Mild Traumatic Brain Injury (TBI) Instruction Sheet. Rocky Mountain Regional Brain Injury Center, 1993.
4. Kelly JP. Concussion/Mild Traumatic Brain Injury (TBI) Management Suggestions for Professionals. Rocky Mountain Regional Brain Injury Center, 1993.
5. Kelly, JP. Book review of Davies PM. "Starting Again: Early Rehabilitation After Traumatic Brain Injury or Other Severe Brain Lesion." Doody's Health Sciences Book Review Journal 1994; 2(6):34.
6. Kelly JP. Book review of Levin JS, Benton AL, Muizelaar JP, Eisenberg HM. "Catastrophic Brain Injury." Doody's Health Sciences Book Review Journal 1996;4(1):41.
7. Kelly JP. Book review of Ashley MJ and Krych DK. "Traumatic Brain Injury Rehabilitation." Doody's Health Sciences Book Review Journal 1996.
8. Kelly JP. Book review of Horn L and Zasler N. "Medical Rehabilitation of Traumatic Brain Injury." Doody's Health Sciences Book Review Journal 1996.
9. Andrews K, Beaumont G, Danze P, Dimancescu MD, Freeman EA, Fugl-Meyer A, Groswasser Z, Jennett B, Kelly J, Mathé JF, Potapov A, Rosenberg J, Schönle PW, Stonnington III, Tasseau F, Tsubokawa T, Wilson SL, Wood RL, Zasler ND, Zitnay GA. "International Working Party Report on the Vegetative State." The Royal Hospital for Neuro-disability, West Hill, Putney, London, United Kingdom, February 1996.
10. Kelly JP. Book review of Rizzo M, Tranel D (eds). (Head Injury and Post Concussive Syndrome.) Journal of Head Trauma Rehabilitation 1998;13(3):102-103.
11. Kelly JP. Book review of Cantu, RC (ed). (Neurologic Athletic Head and Spine Injuries.) Annals of Neurology 2001; 50(3):425.
12. Kelly JP, Lezak MD, Kirkendall DT, Brooks J, Hovda DA, Roof RL, Barth JT, Echemendia RJ, Gale SD, Guskiewicz K, Hergenroeder AC, Crisco JT. (Is Soccer Bad For Children's Heads? Summary of the IOM Workshop on Neuropsychological Consequences of Head Impact in Youth Soccer.) Washington DC: National Academy Press, 2002.
13. Kelly, JP. Book review of Cremmis, C. (Where is the Mango Princess: A Journey Back from Brain Injury.) Neurology Today 2002; 2(6): 12-13.

## ABSTRACTS

1. Kelly JP, Boyson S. Familial Pallidal Atrophy of Autosomal Recessive Inheritance. *Neurology* 1988; 38(3), Supplement 1:315.
2. Kelly JP, Murray RS, Adcock D and Rosenberg NL. Intravascular Lymphomatosis Related to Epstein-Barr Virus in CNS Tissues. *Neurology* 1989; 39(3), Supplement 1:197.
3. Kelly JP, Nichols J, Lillehei KO, Filley CM. Catastrophic Outcome After Repeated Minor Head Injury in Sports. *Neurology* 1990; 40(4), Supplement 1:252.
4. Pennypacker LC, Allen RH, Kelly JP, Mathews LM, Grigsby J, Kaye K, Lindenbaum J, Stabler SP. High Prevalence of Cobalamin Deficiency in Elderly Outpatients. *Clinical Research* 1990; 38:258A.
5. Burkhardt C, Kelly JP, Lim YH, Filley CM, Parker WD. MPTP-like Toxicity of Neuroleptic Medications. *Annals of Neurology* 1991; 30(2):296.
6. Cullum CM, Filley CM, Kelly JP, Schneek SA. Utility of Cognitive Screening Tasks in Patients with Mild Alzheimer's Disease. *Journal of Clinical and Experimental Neuropsychology* 1992; 14 (1):22.
7. Zuhosky JP, Young JL, Kelly JP. The Unique Challenge of Rehabilitation of Ligamentous Knee Injuries in a Traumatic Brain Injury Patient: A Case Report. *Archives of Physical Medicine and Rehabilitation* 1995; 76:1083.
8. Carbone AT, Jet J, Kelly JP. The Mechanism of Injury, Acute Evaluation and Rehabilitation of Acquired Binocular Blindness in Traumatic Brain Injured Patients. *Archives of Physical Medicine and Rehabilitation* 1995; 76:1088.
9. Hudgins, TH, Fillmore JH, Ho JC, Kelly JP. Medical Costs of Unhelmeted Motorcycle Accidents. *Archives of Physical Medicine and Rehabilitation* 1996; 77:935.
10. Dugan S, Zuhosky JP, Kelly JP, Young JL. A Retrospective Review of the Incidence and Rehabilitation Outcome of Concomitant Traumatic Brain Injury and Ligamentous Knee Injuries. *Archives of Physical Medicine and Rehabilitation* 1996; 77:935.
11. McCrea M, Kelly JP, Kluge J, Ackley B, Randolph C. A Standardized Method for the Sideline Assessment of Concussion in Football Players. *Journal of the International Neuropsychological Society* 1997;3(1):53.
12. Bergquist TF, Day SX, Kelly J. Making the Transition to an Interdisciplinary Team Format: Attitude Change in Two Inpatient Rehabilitation Settings. *Archives of Physical Medicine and Rehabilitation* 1997;78(8):906.

13. Patel P, Kim SL, Bode R, Philip P, Kelly J. Criteria for the Safe Decannulation of Tracheostomies in Brain Injured Patients. *American Journal of Physical Medicine and Rehabilitation* 1998;77(2):180.
14. Yee AS, Spitz MC, Shantz DL, Kelly JP, Filley CM. Postictal Mania. *Epilepsia* 1998;39(6):241.
15. Hanlon RE, Demery J, Kelly J. Impact of Traumatic Subarachnoid Hemorrhage on Neuropsychological Outcome Following Moderate-Severe Head Injury. *Journal of the International Neuropsychological Society* 2000;6(2):185-186.
16. Kelly JP, McCrea M, Randolph C. The Detection of Neurocognitive Deficits at the Threshold of Concussion. *Neurology* 2000;54(7), Supplement 3:A243.
17. Bonesteel KR, Hanlon RE, Kelly JP. Mild Traumatic Brain Injury: Impact of Attribution on Postconcussive Symptoms. *Journal of the International Neuropsychological Society* 2001; 7(2):179.
18. Bonesteel KR, Hanlon RE, Kelly JP. Neuropsychological Status of Litigating Versus Nonlitigating Postconcussive Patients. *Journal of the International Neuropsychological Society* 2001; 7(2):231.
19. Pape T, Gitelman D, Parrish T, Senno R, Kelly J, Weiner B. Measurement of cerebral activity in male participant four and six years post severe brain injury. *Archives of Physical Medicine and Rehabilitation* 2001; 82(9): 1304.
20. Kelly JP. Return to Play Following a Concussion. *British Journal of Sports Medicine* 2001; 35(5):372.
21. Weiner BA, Demery J, Kuczen C, Hanlon RE, Kelly JP. Relationship between Patient Complaints and Neuropsychological Status following Mild Traumatic Brain Injury. *The Clinical Neuropsychologist* 2002; 16:213.
22. McCrea M, Kelly JP, Randolph C. Standardized Assessment of Acute Mild Traumatic Brain Injury. *Journal of International Neuropsychological Association* 2003;9:207.
23. Lombard LA, Kelly JP, Heinemann A, Ruchlik K. Motorcycle Crash Victims in the Acute Rehabilitation Setting. *American Journal of Physical Medicine & Rehabilitation* 2003;82(3):251-252.

## TEST DEVELOPMENT

McCrea M, Randolph C, Kelly JP. The Standardized Assessment of Concussion (SAC): Manual for Administration, Scoring and Interpretation, 2nd Edition. Waukesha, WI: CNS, Inc., 2000.

## THESIS

Kelly JP. "The Relationship Between Machiavellianism and Mutual Gaze in the Therapist-Client Dyad." In partial completion of Masters Degree. Clinical Psychology, Western Michigan University, Kalamazoo, MI. 1977.

## LECTURES AND TEACHING

Faculty Teaching Responsibilities Faculty Teaching Responsibilities Etc M2 "Faculty Teaching Responsibilities Faculty Teaching Responsibilities □

Neuropsychiatry Grand Rounds, Colorado Mental Health Institute at Pueblo, CO. Monthly, 1989-1993.

Neuropsychiatry Conference, Colorado Mental Health Institute at Fort Logan, Denver, CO. Monthly, 1989-1993.

Geriatric Neuropsychiatry Conference, Colorado Mental Health Institute at Pueblo, Pueblo, CO. Monthly. 1989-1993.

Pre-Clinical Neuroscience Course, Clinical Correlations Elective, University of Colorado School of Medicine. 1990.

"Clinical Correlations in Neuroanatomy" Elective Medical School Course, University of Colorado School of Medicine, Denver, CO. March-May, 1990.

Pre-Clinical Neuroscience Course, Core Curriculum, Lectures on Selected Topics, University of Colorado School of Medicine, 1991-1993.

Clinical Neurology Lecture Series in the Required Medical School Clerkship Course, University of Colorado School of Medicine, Denver, CO. Several lectures each year, 1988-1993.

Clinical Neurology Lecture Series in the Required Medical School Clerkship Course, Northwestern University Medical School, Chicago, IL. Several lectures each year, 1993-Present.

Problem Based Learning (PBL) Course, Faculty Tutor, Northwestern University Medical School, Pre-Clinical Year Core Curriculum, 1994-Present.

Brain Injury Lecture Series, Department of Physical Medicine and Rehabilitation, Northwestern University Medical School, 1995-2000.

The Profession of Medicine, Medical Ethics and Humanities Program, Faculty Facilitator, Northwestern University Medical School, Pre-Clinical Core Curriculum, 1995-Present.  
Patient, Physician & Society, Mentor of Kelly College and Faculty Member, Northwestern University Medical School, 2000-Present.

Conference Coordination and Facilitation Conference Coordination and Facilitation Etc 12  
"Conference Coordination and Facilitation Conference Coordination and Facilitation 0

Moderator, Mild Head Injury Conference, Colorado Head Injury Foundation, Copper Mountain, Colorado, June 13-15, 1991.

Session Chairman, International Conference on the Implications, Progress and Opportunities of Persistent Vegetative State, The Royal College of Physicians, London, England, March 7, 1995.

Co-Chairman, Brain Injury Rehabilitation: Practical Approaches to Interdisciplinary Care, Rehabilitation Institute of Chicago, Chicago, IL, April 20-22, 1995.

Chairman, Neurobehavioral Conference, Given Biomedical Institute, Aspen, CO, March 29-April 2, 1995, March 9-13, 1996, April 2-6, 1997, April 5-9, 1998 and March 27-31, 1999.

Co-Chairman, Second Annual Multidisciplinary Brain Injury Rehabilitation Program: Critical Issues in Community Reintegration, Rehabilitation Institute of Chicago, Chicago, IL, April 29-May 1, 1996.

Co-Chairman, Third Annual Multidisciplinary Brain Injury Rehabilitation Program: Management of the Minimally Conscious Patient, Rehabilitation Institute of Chicago, Chicago, IL, April 7-9, 1997.

Course Director, Midwest Regional Neurotrauma Symposium: Management of Severe Head Injury, Northwestern University School of Medicine, Chicago, IL, May 2-3, 1997.

Co-Chairman, Concussion in Sports and Recreation Seminar, Brain Injury Association, Charlotte, NC, June 5-6, 1997.

Co-Chairman, Fourth Annual Multidisciplinary Brain Injury Rehabilitation Program: Behavioral Issues in Brain Injury, Rehabilitation Institute of Chicago, Chicago, IL, April 16-17, 1998.

Program Director, Return to Sports After Concussion, American Academy of Neurology 50th Annual Meeting, Minneapolis, MN, May 1, 1998.

Mock Oral Neurology Examination, Rush-Presbyterian-St. Luke's Department of Neurological Sciences, Chicago, IL, 1996, 1997, 1998, 1999.



Co-Chairman, Fifth Annual Multidisciplinary Brain Injury Rehabilitation Program: Concussion in Sports: Prevention, Evaluation and Management, Rehabilitation Institute of Chicago, Chicago, IL. April 14-15, 1999.

Course Director, Return to Sports After Concussion, American Academy of Neurology 51st Annual Meeting, Toronto, Ontario, Canada. April 19, 1999.

Moderator, Session on (Mild Brain Injury Guideline Development), Third World Congress on Brain Injury, Quebec City, Quebec, Canada. June 14, 1999.

Course Director, The Diagnosis and Management of Concussion, American Academy of Neurology, Denver, CO, April 15, 2002 and Honolulu, HI. March 31, 2003.

Co-Chairman, Session on "Epidemiology and Primary Prevention of ABI", The 5th World Congress on Brain Injury, Stockholm, Sweden. May 24, 2003.

#### Educational Media Production

"Closed Head Injury", Technical Medical Animation Corporation, Denver, CO. 1990. (Videotape).

"Think Twice", Rocky Mountain Regional Brain Injury Center, Denver, CO. 1992. (Videotape).

"When the Cheering Stops", Rocky Mountain Regional Brain Injury Center, Denver, CO. 1992. (Videotape).

"Heads UP! Hard Hat Safety", Coastal Video Communications Corporation, Virginia Beach, VA. 1994. (Videotape).

"Impaired Driving: Physician Effectiveness in Preventing Traffic Related Morbidity and Mortality", Orbis Broadcast Group, Chicago, IL. 1995. (Videotape).

"The Critical Connection", The New Explorers Public Broadcasting Television Series, Kurtis Productions, Chicago, IL. (Aired on National Television March 20, 1996).

"Exploring Your Brain: Stress, Trauma, and the Brain", WETA Public Television, Washington, DC. (Aired in Washington March 28, 1999 and at various other times on other PBS stations).

"Management of Concussion in Sports", A Power Point Presentation by the American Academy of Neurology and the Brain Injury Association, 1999.

#### Platform/Poster Presentations

Kelly JP, Boyson S. "Familial Pallidal Atrophy of Autosomal Recessive Inheritance." Poster Presentation, American Academy of Neurology, Cincinnati, OH. April, 1988.

Kelly JP, Nichols J, Lillehei KO, Filley CM. "Catastrophic Outcome After Repeated Minor Head Injury in Sports," Poster Presentation, American Academy of Neurology Annual Conference, Miami Beach, FL. April, 1990.

Kelly, JP. "Preventing Catastrophic Outcomes After Repeated Concussion in Sports," Poster Presentation, Brain Injury Association (Formerly known as the National Head Injury Foundation), 12th Annual National Symposium, Orlando, FL. November 9, 1993.

Shah M, Merlotti G, Fantus R, Sulkowski R, Josephs K, Kelly J. "Prevention Projects in Trauma Patients," American College of Surgeons 8th Annual Clinical Conference, Poster Presentation, Chicago, IL. October 12, 1994.

Schmidt MF, Garvin L, Heinemann AW, Kelly JP. "Gender and Age-Related Role Changes Following Brain Injury," Poster Presentation, Brain Injury Association (Formerly known as the National Head Injury Foundation) 13th Annual Symposium, Chicago, IL. November 7, 1994.

Schmidt MF, Garvin L, Heinemann AW, Kelly JP. "Substance Use, Employment and Life Satisfaction Following Brain Injury," Poster Presentation, Brain Injury Association (Formerly known as the National Head Injury Foundation) 13th Annual Symposium, Chicago, IL. November 8, 1994.

Zuhosky J, Kelly JP. "The Unique Challenge of Rehabilitation of Ligamentous Knee Injuries in a Traumatic Brain Injury Patient: A Case Report," Poster Presentation, American Academy of Physical Medicine and Rehabilitation Annual Conference, Orlando, FL. November 19, 1995.

Carbone AT, Jee J, Kelly JP. "The Mechanism of Injury, Acute Evaluation and Rehabilitation of Acquired Binocular Blindness in Traumatic Brain Injured Patients," Poster Presentation, American Academy of Physical Medicine and Rehabilitation Annual Conference, Orlando, FL. November 19, 1995.

Zuhosky J, Dugan S, Young J, Kelly JP. "A Retrospective Review of the Incidence and Rehabilitation Outcome of Concomitant Traumatic Brain Injury and Ligamentous Knee Injuries," Platform Presentation, American Academy of Physical Medicine and Rehabilitation Annual Conference, Chicago, IL. October 11, 1996.

Fillmore J, Hudgins T, Kelly JP. "Cost Effectiveness of Helmeted versus Non-Helmeted Motorcycle Collisions," Platform Presentation, American Academy of Physical Medicine and Rehabilitation Annual Conference, Chicago, IL. October 11, 1996.

McCren M, Kelly JP, Randolph C. "Use of the Standardized Assessment of Concussion (SAC) in the Immediate Sideline Examination of Football Players", Poster Presentation, International Neuropsychological Society 25th Annual Meeting, Orlando, FL. February 7, 1997.

Patel N, Kim SL, Bode R, Philip P, Kelly JP. "Criteria for the Safe Decannulation of Tracheostomies in Brain Injured Patients," Poster Presentation, Association of Academic Physiatrists Annual Meeting, San Antonio, TX, February 17, 1998.

Hanlon RE, Demery J, Kelly J. "Impact of Traumatic Subarachnoid Hemorrhage on Neuropsychological Outcome Following Moderate-Severe Head Injury," Poster Presentation, International Neuropsychological Society 28th Annual Conference, Denver, CO, February 11, 2000.

Bonesteel KR, Hanlon, RE, Kelly JP. "Mild Traumatic Brain Injury: Impact of Attribution on Postconcussive Symptoms," Poster Presentation, International Neuropsychological Society 29th Annual Conference, Chicago, IL, February 15, 2001.

Bonesteel KR, Hanlon, RE, Kelly JP. "Neuropsychological Status of Litigating versus Nonlitigating Postconcussive Patients," Platform Presentation, International Neuropsychological Society 29th Annual Conference, Chicago, IL, February 17, 2001.

Weiner B, Demery J, Hanlon RE, Kelly JP. "Patient Complaints Versus Neuropsychological Status Following Mild Traumatic Brain Injury," Poster Presentation, American Psychological Association Conference, Chicago, IL, August 24, 2002.

#### Academic Grand Rounds

"Methanol Poisoning," Neurology/Neurosurgery Grand Rounds, University of Colorado School of Medicine, July 29, 1992.

"Methanol Poisoning: Neurobehavioral Toxicology," Neurology Grand Rounds, Loyola University Stritch School of Medicine, Maywood, IL, October 16, 1992.

"Mild Traumatic Brain Injury," Grand Rounds, Department of Rehabilitation Medicine, Northwestern University Medical School, Chicago, IL, February 23, 1993.

"Head Injuries," Grand Rounds, Department of Pediatrics, Cook County Children's Hospital, Chicago, IL, January 25, 1994.

"Neuroleptic Induced Movement Disorders," Grand Rounds, Department of Neurology, Northwestern Memorial Hospital, Chicago, IL, January 11, 1994.

"Update on Head Injury Research," Grand Rounds, Department of Neurosurgery, Columbus-Cabrini Hospital, Chicago, IL, June 22, 1994.

"Rehabilitation of the Patient with Minor Head Trauma," Grand Rounds, Trauma Service, Olympia Fields Hospital, Olympia Fields, IL, August 10, 1994.

"Update on Seizure Prophylaxis in Traumatic Brain Injury," Grand Rounds, Rehabilitation Institute of Chicago, Chicago, IL. September 7, 1994.

"Rehabilitation Institute of Chicago: Program and Capabilities," Grand Rounds, Columbus-Grubbs Hospital, Chicago, IL. January 18, 1995.

"Concussion in Sports," Neurology Grand Rounds, Northwestern University Medical School, Chicago, IL. February 7, 1995.

"Post Concussion Syndrome," Psychiatry Grand Rounds, University of Chicago, Chicago, IL. February 13, 1995.

"Brain Injury", Psychiatry and Behavioral Sciences Grand Rounds, Northwestern University Medical School, Chicago, IL. October 11, 1995.

"Concussion in Sports-Update," Department of Neurology, Northwestern University Medical School, Chicago, IL. June 2, 1997.

"Second Impact Syndrome", Schwab Rehabilitation Hospital and Care Network Grand Rounds, affiliated with University of Chicago, Chicago, IL. December 8, 1997.

"Mild Brain Injury in Athletic Activities", Lutheran General Hospital Grand Rounds, affiliated with University of Illinois, Park Ridge, IL. July 28, 1999.

"Sports Concussion", Northwestern Memorial Hospital and Northwestern University Medical School Department of Neurological Surgery Academic Day, Chicago IL. April 6, 2001.

"Concussion in Sports", Neuropsychology Conference, Montreal Neurological Institute, Montreal, Quebec, Canada. July 16, 2001.

"The Diagnosis and Management of Concussion", Northwestern University Medical School Department of Neurology Grand Rounds, Chicago, IL. October 9, 2001.

"The Diagnosis and Management of Concussion", The Pritzker School of Medicine, University of Chicago, Neurology Grand Rounds, Chicago, IL. September 26, 2002.

#### Invited Lectures

"Evaluation of Head Injuries in the Athlete," University of Colorado Continuing Medical Education, Second Annual Sports Medicine Symposium, Denver, CO. May 12, 1989.

"Malignant Cerebral Edema Following Repeated Minor Head Injuries." Colorado Head Injury

Foundation Annual Conference, Denver, CO. June 9, 1989.

"Management of Acute Head Trauma and Post-Concussion Syndromes," University of Colorado Continuing Medical Education, Internal Medicine Review Course, Estes Park, CO. July 13, 1989.

"Stress in Residency Training Years," St. Joseph Hospital Residents' Conference, Denver, CO. December 4, 1989.

"Catastrophic Outcome After Repeated Minor Head Injury in Sports," University of Colorado Medical School, Denver, CO. February 14, 1990.

"Mental Status Disorders," University of Colorado Continuing Medical Education, Family Practice Review Course, Denver, CO. September 10, 1990.

"Stress in Training: Adapting to Changes," Conference on The Changing Faces of Medicine: Professional Decisions, Personal Choices, St. Joseph Hospital, Denver, CO. October 13, 1990.

"The Neuropsychology of Head Injury," University of Colorado Medical School, Denver, CO. October 24, 1990.

"Conceptual Neurobehavioral Approach to Traumatic Head Injury Rehabilitation," 9th Annual Head Injury Symposium, Vail, CO. January 14, 1991.

"Prevention of Catastrophic Outcomes Following Minor Head Injuries and Sports Related Injuries," 9th Annual Head Injury Symposium, Vail, CO. January 14, 1991.

"The Neurobehavioral Consequences of Mild Head Injury," Lecture to the New Medico Head Injury Treatment Program at Riverside Medical Center, Kankakee, IL. January 17, 1991.

"The Neurobehavioral Consequences of Mild Head Injury," and "Neuroleptic Treatment of Schizophrenia," Riverside Medical Center, Kankakee, IL. January 17, 1991.

"Contemporary Approaches to Traditional Challenges: New Directions in Behavior Management," An Educational Seminar about Neurobehavioral Management, New Medico, Salt Lake City, UT. March 22, 1991.

"Neurobehavioral Consequences of Mild Head Injury," Second Annual Brain Injury Symposium, Wyoming Medical Center, Casper, WY. April 5, 1991.

"Prevention of Catastrophic Outcomes Following Concussion in Sports," Sports Neurology Seminar, American Academy of Neurology Annual Meeting, Boston, MA. April 26, 1991.

"Neurobehavioral Consequences of Brain Injury," Rocky Mountain Rehabilitation Institute, Aurora, CO. June 5, 1991.

"The Mental Competency Exam in Neurology," University of Colorado Medical School, Denver, CO. August 21, 1991.

"Dementia, Cerebral Vascular Disease and Degenerative Nerve Disease," Internal Medicine Board Review Course, University of Colorado Health Sciences Center, Denver, CO. August 22, 1991.

"Closed Head Injury," 17th Annual Primary Care Orthopedics Course, University of Colorado School of Medicine, The Given Institute, Aspen, CO. August 30, 1991.

"Preventing Catastrophic Outcomes Following Concussions in Sports Injuries," 9th Annual Conference of the Colorado Head Injury Foundation, Colorado Springs, CO. October 4, 1991.

"Guidelines for the Management of Concussion in Sports," 8th Biannual Fall Practicum in Athletic Training for Coaches, Denver Broncos Sports Medicine, Englewood, CO. November 16, 1991.

"The Psychological and Physiological Effects of Traumatic Brain Injury," Psychiatric Conference, Denver Department of Health and Hospitals, Denver, CO. December 11, 1991.

"The Neurological and Behavioral Consequences of Traumatic Brain Injury," The Colorado Interagency Conference, Colorado Springs, CO. February 7, 1992.

"Dementia, Cerebral Vascular Disease and Degenerative Nerve Disease," American College of Physicians Medical Knowledge Self-Assessment Program, Denver, CO. February 22, 1992.

"Concussion," Colorado Society of Clinical Neurologists, Denver, CO. March 4, 1992.

"What is Head Injury?", "Managing Concussion in Sports" and "How to Manage Seizures Safely," The Fifth Annual Montana Head Injury Conference, Billings, MT. September 5, 1992.

"The Anatomical Basis of Neurobehavioral Disorders," and "Mild Brain Injuries in Sports," The First Annual Brain Injury Consortium Conference, Denver, CO. September 13, 1992.

"The Anatomical Basis of Neurobehavioral Disorders," Wyoming Head Injury Association Annual Conference, Casper, WY. October 3, 1992.

"Prevention of Traumatic Brain Injury" and "Traumatic Brain Injury in Sports," Centennial Area Health Education Center, Westminster, CO. October 24, 1992.

"Neurology-Head Injuries," Medicine for Lawyers Seminar of the Colorado Trial Lawyers Association, Denver, CO. December 11, 1992.

"Closed Head Trauma," 9th Annual Primary Care and Surgical Update, Colorado Academy of Physician Assistants, Breckenridge, CO. January 17, 1993.

"Concussion in Sports," 10th Annual Practicum in Athletic Training for Coaches, The Denver Bronco Training Facility, Englewood, CO. March 20, 1993.

"The Neurobehavioral Effects of Traumatic Brain Injury," Fourth Annual Seminar for the Benefit of the Michigan Head Injury Alliance and Mothers Against Drunk Driving, Detroit, MI. March 25, 1993.

"Independent Medical Examination and Expert Witness Testimony," Carolinas Brain Injury Symposium, North Carolina Head Injury Foundation, Charlotte, NC. April 29, 1993.

"Traumatic Brain Injury: Preventing Catastrophe," Colorado Association of School Nurses, Annual Meeting, Copper Mountain, CO. May 22, 1993.

"Traumatic Brain Injury," Colorado Trauma Symposium, Breckenridge, CO. July 31, 1993.

"Managing Concussion in Sports," Montana Coaches Association Annual Conference, Great Falls, MT. August 5 & 6, 1993.

"Mechanisms of Traumatic Brain Injury: Continuum of Mild Through Severe," and "Treatment of Post-Concussion Syndrome," Northern Rockies Brain Injury Symposium, Missoula, MT. August 20, 1993.

"Neuroanatomy and Biomechanics of Brain Injury" and "Concussion Management," Mercy Medical Center Traumatic Brain Injury Seminar, Durango, CO. November 22, 1993.

"The Neuropsychiatric Aspects of Traumatic Brain Injury," The Thresholds, In-Service Training, Chicago, IL. December 14, 1993.

"Helmets in Prevention," Chicago Medical Society, 1994 Midwest Clinical Conference, Chicago, IL. February 13, 1994.

"Neurobehavioral Effects in Brain Injury," Rehabilitation Institute of Chicago, Annual Rehabilitation Nursing Management Conference, Chicago, IL. February 24, 1994.

"What Happens to the Brain During Traumatic Brain Injury," Seminar of the Midwest Rehabilitation Center, Waterford, WI. Chicago, IL. March 11, 1994.

"Biomechanics of Traumatic Brain Injury," Fifth Annual Seminar, Michigan Head Injury Alliance and Michigan State Mothers Against Drunk Driving, Detroit, MI. March 24, 1994.

"Clinical Aspects of Brain Injury," Head Injury Rehabilitation: Current Approaches in the Continuum of Care, Rehabilitation Institute of Chicago, Chicago, IL. April 15, 1994.

"Impact of Emergency Care on Outcomes," Loyola University Medical School Emergency Medical Services Program, Rehabilitation Institute of Chicago, Chicago, IL. April 21, 1994.

"Prediction of Outcome from Neuropsychological Testing," Traumatic Brain Injury Rehabilitation and Outcomes: Entering the Age of Accountability, Rehabilitation Institute of Chicago, Chicago, IL. May 13, 1994.

"Mild/Moderate Head Trauma: Diagnosis and Treatment," Healthsouth Rehabilitation Hospital of Montgomery, Montgomery, AL. June 18, 1994.

"Case Management - Treatment Trends for the 90's," Olsten Kimberly QualityCare Symposium, Arlington Heights, IL. June 21, 1994.

"Closed Head Injury," Resident Seminar, Department of Neurology, University of Colorado School of Medicine, Denver, CO. August 4, 1994.

"Mild Traumatic Brain Injury," Medical Education Conference, Hinsdale Hospital, Hinsdale, IL. September, 21, 1994.

"Traumatic Brain Injury in Sports: Are the Risks Appreciated?," Brain Injury Association (Formerly known as the National Head Injury Foundation) Eighth Annual Trial Lawyers' Conference, Palm Beach, FL. September 29, 1994.

"Neurology of Traumatic Brain Injury: Background and Stages of Recovery," Children's Head Injury Consortium, Chicago, IL. October 1, 1994.

"Management of Concussion in Athletes," National Center for Advanced Medical Education Sports Medicine Conference, Chicago, IL. October 3, 1994.

"Compensating for Frontal Lobe Dysfunction," Illinois Chapter, Brain Injury Association (Formerly known as the National Head Injury Foundation) 12th Annual Education Conference, Lisle, IL. October 7, 1994.

Kelly JP, Smith LJ, Dyro FM, Appel A, Black FW. "Medical Legal Implications of Mild Traumatic Brain Injury," Pre-Symposium Course, Brain Injury Association (Formerly known as the National Head Injury Foundation) 13th Annual Symposium, Chicago, IL. November 6, 1994.



"Traumatic Brain Injury 101," and "General Health Issues," Life After Brain Injury: Answers I Can Live With, U.S. Department of Education, Office of Special Education and Rehabilitation Services National Brain Injury Conference, Chicago, IL. November 9, 1994.

"Working with the Traumatically Brain Injured Patient in the Home," Olsten Kimberly QualityCare In-Service, Downers Grove, IL. November 15, 1994.

"Management of Concussion in Athletes," National Center for Advanced Medical Education, Sports Medicine Conference, Chicago, IL. November 16, 1994.

"Traumatic Brain Injury: Medical and Behavioral Implications," Iowa Association of Service Providers in Private Rehabilitation Conference, Des Moines, IA. November 17, 1994.

"Neurophysiology and Neuropathology of Mild Traumatic Brain Injury," "Overview of Mild Traumatic Brain Injury Management from a Primary Care Perspective," "Psychopharmacologic Intervention," and "Mild Traumatic Brain Injury: Future Directions," National Rehabilitation Hospital Conference, Mild Traumatic Brain Injury: Integrated Treatment of Somatic, Cognitive, and Emotional Sequelae, Washington, DC. December 2, 1994.

"Concussion Management in Football," American Society for Testing and Materials Conference, Safety in American Football, Phoenix, AZ. December 7, 1994.

"Managing Risks of Concussion," Professional Football Players' Concussion Seminar, Newport Beach, CA. February 17, 1995.

"Biomechanics of Traumatic Brain Injury," Sixth Annual Seminar, Michigan Head Injury Alliance and Michigan State Mothers Against Drunk Driving, Detroit, MI. March 23, 1995.

"Preventing Concussion in Sports and Recreation", Sports Exhibit, Museum of Science and Industry, Chicago, IL. April 9, 1995.

"Pathophysiology and Approaches to Medical Management of Brain Injury", Brain Injury Rehabilitation: Practical Approaches to Interdisciplinary Care, Rehabilitation Institute of Chicago, Chicago, IL. April 20, 1995.

"Second Impact Syndrome", Illinois Athletic Trainers Association, Wheaton South High School, Wheaton, IL. May 13, 1995.

"Concussion in Sports", Neurosciences Conference, Evanston Hospital, Evanston, IL. May 15, 1995.

"Sports and Brain Injury" Workshop, Brain Injury Association (Formerly known as the National Head Injury Foundation) Annual Meeting, Alexandria, VA. June 2, 1995.

"The Management of Concussion in Sports", ABTA panel, Team Athletic Trainers of the National Basketball Association, Sheraton-Chicago, Chicago, IL. June 5, 1995.

"The Road to Wellness: Taking the Rehab Path", American Brain Tumor Association Annual Symposium, Showing Hope, Chicago, IL. June 10, 1995.

"Mild Traumatic Brain Injury", Resident Lecture Series, West Suburban Hospital and Medical Center, Oak Park, IL. August 9, 1995.

"Traumatic Brain Injury in Sports: Are the Risks Appreciated?" and "Determining Causation and Prognosis in Post-Concussion Syndrome Cases", 9th Annual Brain Injury Association Trial Lawyers Conference, The Brain Injury Case: What Trial Lawyers Need to Know, Colorado Springs, CO. September 28 and September 29, 1995.

"Rehabilitation of Patients with Traumatic Brain Injury", 7th Annual Symposium, Chicago Institute of Neurosurgery and Neuroresearch, Neuroscience Nursing, Chicago, IL. October 20, 1995.

"Acute and Chronic Head Injuries in Football", Pre-Symposium Workshop, Brain Injury Association, 14th Annual National Symposium, San Diego, CA. December 3, 1995.

"Pharmacology Update: Brain Injury", Rehabilitation Nursing Second Annual Course: Long Term Disability After Traumatic Injury, Rehabilitation Institute of Chicago, Chicago, IL. February 28, 1996.

"How to Prevent, Detect and Treat Sports Related Concussion", Public Lecture Series, The Given Biomedical Institute, Aspen, CO. March 13, 1996.

"Neurological Evaluation of Concussion", Sports Related Concussion: Neurological and Neuropsychological Evaluation and Management, Allegheny General Hospital, Pittsburgh, PA. March 23, 1996.

"Traumatic Brain Injury in Sports: Are the Risks Appreciated?", Georgia Neurosurgical Society Annual Spring Meeting, Sea Island, GA. May 25, 1996.

"Rehabilitation in the Acute State", International Conference on Recent Advances in Neurotraumatology, sponsored by the Neurotraumatology Committee of the World Federation of Neurosurgical Societies, Rimini, Italy. September 11, 1996.

"The Science and Politics of Practice Guidelines for Acquired Brain Injury: A Multi-Specialty Report from the Aspen Neurobehavioral Institute", American Academy of Physical Medicine and Rehabilitation Annual Conference, Chicago, IL. October 13, 1996.

"Aspen Conference Guidelines: A Discussion of Their Implications for Brain Injury Treatment and Recovery", BIA 15th Annual Symposium, Dallas, TX. November 2-5, 1996.

"A Comprehensive System for Medical/Neuropsychological Assessment of Persons with Brain Injury (6A-BIAS)", Brain Injury Association 15th Annual Symposium, Dallas, TX. November 2-5, 1996.

"Concussion in Sports - Update", Rehabilitation Sports Medicine IX: Controversies in Sports Medicine II, Rehabilitation Institute of Chicago, Chicago, IL. December 12, 1996.

"Neurological Basis of Traumatic Brain Injury", Management of Cognitive-Communicative Problems in Adults with Brain Injury, Rehabilitation Institute of Chicago, Chicago, IL. February 6, 1997.

"Concussion Classification: What Are the Uses and How Are They Used?", Sports Related Concussion and Nervous System Injuries Conference, Allegheny General Hospital, Orlando, FL. February 10, 1997.

"Guidelines for the Management of Patients in a Vegetative State", Third Annual Multidisciplinary Brain Injury Rehabilitation Program: Management of the Minimally Conscious Patient, Rehabilitation Institute of Chicago, Chicago, IL. April 8, 1997.

"Return to Sports After Concussion", Forty-Ninth Annual Meeting, American Academy of Neurology, Boston, MA. April 17, 1997.

"Memory Training", Third Biennial Brain Tumor Symposium, American Brain Tumor Association, Chicago, IL. July 20, 1997.

"Mild Head Injury", Family Medicine Residency Lecture Series, West Suburban Hospital, Oak Park, IL. September 10, 1997.

"Evolution of Guidelines for the Management of Patients in Minimally Conscious State", Current Trends in Acquired Brain Injury Treatment: An Up-to-Date Report, Shepherd Center, Atlanta, GA. September 18, 1997.

"Concussion in Sports and Recreation", Brain Injury Association of Illinois Annual Educational Conference, Lisle, IL. October 24, 1997.

"Concussion in Sports and Recreation", Brain Injury Association 16th Annual National Symposium, Philadelphia, PA. November 2, 1997.

"Injury Prevention: A Focus on Traumatic Brain Injury", American Academy of Physical Medicine and Rehabilitation Annual Conference, Atlanta, GA. November 14, 1997.

"Sideline Evaluation of 'Dinged' Athlete", American Orthopaedic Society of Sports Medicine Workshop, Chicago, IL. December 11, 1997.

- "Current Concepts in Sports Concussion", American Orthopaedic Society of Sports Medicine Workshop, Chicago, IL, December 11, 1997.
- "Second Impact Syndrome", Great Lakes Athletic Trainers Association Winter Meeting, St. Charles, IL, March 13, 1998.
- "Sports Related Head Injuries", University of Illinois/Ravenswood Family Practice Residency Program, Chicago, IL, March 18, 1998.
- "Neuroanatomy of Behavior", Fourth Annual Multidisciplinary Brain Injury Rehabilitation Program: Behavioral Issues in Brain Injury, Rehabilitation Institute of Chicago, Chicago, IL, April 16, 1998.
- "Mechanics of Brain Injury: What is Second Impact Syndrome?", American Academy of Neurology 50th Annual Meeting, Minneapolis, MN, April 30, 1998.
- "Mild Traumatic Brain Injury/Sports Concussion", American Academy of Neurology 50th Annual Meeting, Minneapolis, MN, May 1, 1998.
- "Return to Sports After Concussion", American Academy of Neurology 50th Annual Meeting, Minneapolis, MN, May 1, 1998.
- "Importance of Wearing Helmets in Cycling and Other Sports and Recreational Activities", Harold Washington Library, Chicago, IL, May 22, 1998.
- "Concussional Injuries: Recently Adopted Practice Guidelines for Neurologists and Neurosurgeons", Brain Injury Association 12th Annual Conference for Attorneys, Palm Beach, FL, September 17-18, 1998.
- "Neglected Medical Issues in Mild Traumatic Brain Injury Cases", Brain Injury Association 12th Annual Conference for Attorneys, Palm Beach, FL, September 17-18, 1998.
- "Medical Assessment and Treatment of Mild Traumatic Brain Injury", Brain Injury Association 12th Annual Conference for Attorneys, Palm Beach, FL, September 17-18, 1998.
- "Concussion in Sports", Department of Sports Medicine, Lutheran General Hospital, Park Ridge, IL, September 23, 1998.
- "Post Concussive Injury and Sports", Brain Injury Association of Colorado Annual Conference, Vail, CO, October 9, 1998.
- "Accomplishments and Future Considerations of Aspen Neurobehavioral Conference", Rehabilitation of Persons with Traumatic Brain Injury, National Institutes of Health Consensus Development Conference, Bethesda, MD, October 26, 1998.

"Neurology of Mild Traumatic Brain Injury (MTBI) and Post-Concussion Syndrome (PCS)", Neuropsychological and Legal Aspects of Mild Traumatic Brain Injury and the Post-Concussion Syndrome Seminar, The Health Law Institute, DePaul University College of Law, Chicago, IL. October 30, 1998.

"A Dissemination Strategy for Sports Related Concussions in High School and Collegiate Athletes: A Pilot Curriculum", Brain Injury Association 17th Annual National Symposium, New Orleans, LA. November 1, 1998.

Family Violence Initiative Press Conference, American Medical Association, Chicago, IL. November 4, 1998.

"Introduction to the Course: Scope of the Problem", "Biomechanics of Concussion: Consensus Management Guidelines", "Prevention Strategies/Helmet Designs", Fifth Annual Multidisciplinary Brain Injury Rehabilitation Program: Behavioral Issues in Brain Injury, Rehabilitation Institute of Chicago, Chicago, IL. April 14-15, 1999.

"Return to Sports After Concussion", American Academy of Neurology 51st Annual Meeting, Toronto, Ontario, Canada. April 19, 1999.

"Mild Traumatic Brain Injury and Concussion in Sports: Clinical Implications", Spaulding Hospital Rehabilitation Hospital, Department of Physical Medicine and Rehabilitation, Harvard Medical School, Boston, MA. May 26, 1999.

"Rehabilitation After Traumatic Brain Injury", Department of Neurological Surgery, Northwestern University Medical School, Chicago, IL. May 28, 1999.

"Rehabilitation of the Patient with Minor Head Trauma", Emergency Medicine Residency Program, Olympia Fields Osteopathic Hospital, Olympia Fields, IL. June 9, 1999.

"The Epidemiology, Definition and Consequence of Concussion", "Post-Concussion Syndrome", Multiple Concussions: How Many Are Too Many?, West Coast Sports Medicine Foundation Sports Head Injury Symposium 1999, Westwood, CA. June 12, 1999.

"Sports and Concussion: Research in Practice", Third World Congress on Brain Injury, Quebec City, Quebec, Canada. June 16, 1999.

"Medical Rehabilitation Management of Brain Injury", Rehabilitation of Persons with Physical Disability and Chronic Illness, Rehabilitation Institute of Chicago, Chicago, IL. June 21, 1999.

"Emerging from Coma-The Prognosis for Recovery", (Grading Concussions-Recent Neurological Practice Guidelines), Brain Injury Association 13th Annual Conference for Attorneys, Phoenix, AZ. September 16, 1999.

"Diagnosis and Management of Concussion", Pain and Rehabilitation Clinic of Chicago, Chicago, IL. October 1, 1999.

"Closed Head Injury: Concussion", "Epilepsy and Sports Participation", and "Neurologic Injury of the Upper Extremity", American College of Sports Medicine, Team Physician Course, Part I, St. Petersburg Beach, FL. February 2-6, 2000.

"Concussion/Sports and Concussion", Continuing Medical Education Program, Edgewater Medical Center, Chicago, IL. April 12, 2000.

"Grading Scales, Return-to-Play Decisions and Retirement Recommendations in Sports Concussion", Spring Conference, Mild Head Injury: Clinical Implications and Applications in Sports Medicine, Colorado Neuropsychological Society, Boulder, CO. May 12, 2000.

"Traumatic Brain Injury: Second Impact Syndrome", 2000 Annual Symposium, Academy for Sports Dentistry, Chicago, IL. June 9, 2000.

"There Is No Such Thing as a Minor Concussion", 2000 Annual Meeting of Player Representatives, Professional Hockey Players Association, Palm Coast, FL. June 14, 2000.

"Concussion in Sports", National Hockey League Players "Association Players" Meeting, Whistler, British Columbia, Canada. June 27-28, 2000.

"The Health Perspective", Region VIII Safe Communities Highway Safety Briefing, Naperville, IL. June 30, 2000.

"Management of Concussion in Sports: Expert Perspectives on Grading Scales and Return to Play Guidelines", 51st Annual Meeting & Clinical Symposia, National Athletic Trainers Association, Nashville, TN. July 1, 2000.

"When the Elite Professional Athlete Sustains a Concussion: Medical/Legal Issues" and "Special Focus on Mild TBI: Medical Assessment and Treatment", 14th Annual Conference for Attorneys, Brain Injury Association, Palm Beach, FL. September 14, 2000.

"Concussion in Sports and Recreation", Indiana Neurological Society, Indianapolis, IN. September 29, 2000.

"Mild Traumatic Brain Injury", Chubb Insurance Group, Chicago, IL. November 3, 2000.

"Headache", St. Joseph Parish, Homewood, IL. November 14, 2000.

"Guidelines for the Management of Concussion", Hospital for Special Surgery, New York, NY. December 2, 2000.

"Concussion in Sports and Recreation", the 9th Annual Conference of the Brain Injury Association of Iowa, Des Moines, IA. March 16, 2001.

"The Management of Concussion in Sports", Mary Institute Country Day School, St. Louis, MS. March 17, 2001.

"Medical Clearance for Return to Skiing After Concussion", Seven Mile Clinic, Winter Park Resort, Winter Park, CO. March 27, 2001.

"Update on Traumatic Brain Injury", Department of Neurology, University of Colorado School of Medicine, Denver, CO. March 29, 2001.

"Grading the Severity of Concussion", Williamsburg Traumatic Brain Injury International Conference, Williamsburg, PA. June 8, 2001.

"Rehabilitation of the Severely Closed Head Injured Patient", Association of Trial Lawyers of America Annual Convention, Montreal, Quebec, Canada. July 15, 2001.

"Preventing Catastrophic Outcomes Following Concussion in Sports", 3rd Interurban Acquired Brain Injury Conference 2001: An ABI Odyssey Program, London, Ontario, Canada. October 26, 2001.

"Return to Play Following a Concussion. 1st International Symposium on Concussion in Sport, International Ice Hockey Federation, Federation Internationale de Football Association and International Olympic Committee, Vienna, Austria. November 3, 2001.

"Concussions/Second Impact Syndrome" Current Concepts in Primary Care Sports Medicine, University of Chicago, Illinois Chapter, American Academy of Pediatrics, March 7, 2002, Chicago, IL.

"The cumulative effect of multiple concussions", Trial Lawyers of British Columbia Brain Injury Litigation Conference, Vancouver, BC, Canada. April 12, 2002.

"AAN Grading Scale for Concussion in Sports", Sports Neurology Program, American Academy of Neurology 54th Annual Meeting, Denver, CO. April 13, 2002.

"The Diagnosis and Management of Concussion", American Academy of Neurology 54th Annual Meeting, Denver, CO. April 16, 2002.

"Communicating with Speech/Mentally Challenged Non-verbal Patients", South Suburban Hospital, Hazel Crest, IL. April 24, 2002.

"The Diagnosis and Management of Concussion", Neuropsychology Conference, University of Texas-Southwestern, Dallas, TX. June 17, 2002.

"Brain and Spinal Cord Injuries in the Workplace", Association of Trial Lawyers of America, 2002 Annual Convention, Atlanta, GA. July 22, 2002.

"Mild TBI", National Center for Injury Prevention and Control, Centers for Disease Control and Prevention, Atlanta, GA. July 22, 2002.

"Concussion Evaluation and Management in Sports", Concussion and Sports 2002, Brain Injury Association of British Columbia, Vancouver, BC. October 2, 2002.

"The Diagnosis and Management of Concussion", Neurotrauma Day, Pacific Coast Brain Injury Conference, Brain Injury Association of British Columbia, Vancouver, BC. October 3, 2002.

"The Minimally Conscious State: Communication between the family and the professional", Brain Injury Association of Illinois 2002 Annual Education Conference, Lisle, IL. October 4, 2002.

"Gunshot Wounds to the Head", 7th IHELP Network Conference, Chicago, IL. October 28, 2002.

"Helmet Use in Skiing", three separate lectures delivered to the Ski Patrol and the Ski Instructors (Aspen Skiing Company), and to the community of Aspen, CO. Aspen, CO. November 14 & 15, 2002.

"Clinical Presentation and Medical Management of MTBI: From the Sideline to Chronic Postconcussion Syndrome" and "The Future of Assessment Methods for prevention and Treatment of MTBI", International Conference on Closed Head Trauma: Traumatic Brain Injury Mechanisms and Design Criteria for Effective Protection Strategies, San Juan, Puerto Rico. January 29, 2003.

"Sports Neurology", The Chicago Review Course in Neurology, Chicago, IL. January 31, 2003.

"Concussion/Second Impact Syndrome", The University of Chicago 2nd Annual Current Concepts in Primary Care Sports Medicine, Chicago, IL. March 6, 2003.

"The Diagnosis and Management of Concussion", American Academy of Neurology 55th Annual Meeting, Honolulu, HI. March 31, 2003.

"What is and what is not Mild TBI", The 5th World Congress on Brain Injury, International Brain Injury Association, Stockholm, Sweden. May 23, 2003.

"Consciousness: Caveats and Controversies", The 5th World Congress on Brain Injury, International Brain Injury Association, Stockholm, Sweden. May 24, 2003.

"Prognostic Uncertainty in Severe Brain Injury Cases", Ethics Rounds, Northwestern Memorial



- Hospital, Chicago, IL. September 11, 2003.
- "Concussion and Altitude Sickness", Aspen Skiing Company Ski Patrol Update, Snowmass, CO. November 13, 2003.
- "Neurological Aspects of Concussion", Allegheny General Hospital Course "Neurotrauma and Sports Medicine". Phoenix, AZ. February 27, 2004.
- "The Diagnosis and Management of Concussion", American Academy of Neurology Annual Symposium, San Francisco, CA. April 25, 2004.
- "Sports Concussion", Continuing Education Lecture, Marianjoy Rehabilitation Hospital, Wheaton, IL. May 13, 2004.
- "Terminal Sedation", Medical Ethics and Humanities Program -- Work in Progress, Northwestern University Medical School, Chicago, IL. May 21, 2004.
- "Grading Concussions: Recent Neurological Practice Guidelines", North American Brain Injury Society, Beaver Creek, CO. September 20, 2004.
- "Impaired Driving", and "Sports Concussion" Montrose Fall Clinics, Montrose, CO. September 24 & 25, 2004.
- "Consciousness", Brain Injury Association of Colorado Annual Conference, Vail, CO. October 2, 2004.
- "Terri Schiavo Case -- Neurological Aspects", Center for Bioethics and Humanities Advisory Board Annual Retreat, University of Colorado Health Sciences Center, Denver, CO. October 14, 2004.
- "The Prognosis of Early Signs and Symptoms", "The Nature of PCS and Who gets Persistent Symptoms", and "Medico-Legal Perspective in North America", 2nd International Symposium on Concussion in Sport, Prague, Czech Republic. November 5 & 6, 2004.
- "Head Injury vs. Altitude", Aspen Skiing Company Medical Update, Aspen, CO. November 11, 2004.
- "Guidelines for the Management of Concussion", Heading for the Future: Managing Sports Injury and Concussion Co-sponsored by the Brain Injury Association of New York State and Weill Medical College of Cornell University, New York, NY. December 10, 2004.

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