

CURRICULUM VITAE

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EDUCATION

1987	B.A. in Pre-Professional Studies and Psychology, University of Notre Dame, Notre Dame, IN
1991	M.D., University of Louisville School of Medicine, Louisville, KY
1992	Internship-Transitional Year, Kettering Medical Center, Dayton, OH
1995	Residency-Physical Medicine and Rehabilitation, Medical College of Virginia, Richmond, VA

EMPLOYMENT

1995-2005	Rehabilitation Associates of Indiana <ul style="list-style-type: none">• Clinical Assistant Professor of PM&R, Indiana University SOM (1995 – 2003)• Clinical Associate Professor of PM&R, Indiana University SOM (2003 – 2005)• Medical Director of Brain Injury Services, Hook Rehab Center (1995 – 2003)• Medical Director of Hook Rehab Center (2003 – 2005)
2005-2011	Shepherd Center Atlanta, GA <ul style="list-style-type: none">• Clinical Professor of PM&R, Emory SOM (2010-2011)• Clinical Associate Professor of PM&R, Emory SOM (2005-2010)• Medical Director of Brain Injury Programs (2005 – 2011)• Medical Director of Brain Injury Research (2005 – 2011)• Medical Director of SHARE Initiative Military Program (2008 – 2011)
2011-present	University of Louisville School of Medicine Department of Neurological Surgery Division of Physical Medicine and Rehabilitation Louisville, KY <ul style="list-style-type: none">• Chief, Division of Physical Medicine and Rehabilitation (2011-present)• Associate Professor, Division of Physical Medicine and Rehabilitation (2011-present)• Director, PM&R Residency Program (2012-present)

CERTIFICATION AND LICENSURE

1996-present	Diplomate, American Board of Physical Medicine and Rehabilitation
1997-2007	Diplomate, American Board of Electrodiagnostic Medicine
2011-present	Kentucky Medical License
2012-present	Indiana Medical License

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

1987-present	Lifetime Member, American Medical Association
1992-present	Diplomat of the Association of Academic Physiatrists <ul style="list-style-type: none"> • Undergraduate Education Committee (1997-1999) • Course Director (2001-2009) • Awards Committee (2003-2007) • Program Planning Committee (1999-2001) (2007-2112) <ul style="list-style-type: none"> ○ Chair (2009-2011) • Leadership Recognition and Development Committee (2008-present)
1995-2005	Member, Indiana Medical Association
1995-2005	Member, Indiana Society of Physical Medicine and Rehabilitation <ul style="list-style-type: none"> • State President (2005)
1995-2007	Fellow of the American Association of Neuromuscular and Electrodiagnostic Medicine
1995-present	Member, Colleague of the International Society of Physical and Rehabilitation Medicine <ul style="list-style-type: none"> • Symposium Moderator and Guest Speaker, Kyoto Japan (August 1997) • Audit and Finance Committee (2009-present) • WHO/Disability Committee (2011-present)
1995-present	Fellow of the American Academy of Physical Medicine and Rehabilitation (Lifetime Member) <ul style="list-style-type: none"> • Young Physiatrist Committee (1995-2005) • Facilitator, Study Guideline Subcommittee (1997-1999) • AMPMR/ACRM Alternate Delegate to JCAHO (1997-2001) • Undergraduate Education Committee (1998-2004) • Nominating Committee (2004-2007) • Program Planning Committee (2004-present) <ul style="list-style-type: none"> ○ Vice-Chair Medical Rehab Track (2009-2011) • Nominating Committee (2009-2011) • Liaison Committee to ISPRM WHO/Disability (2011-present) <ul style="list-style-type: none"> ○ Chair (2011-present) • AAPM&R Delegate to TBI-ROC Advisory Board (2011-present) • AAPM&R Board Secretary (2012-present)
1996-present	Diplomat, American Board of Physical Medicine and Rehabilitation <ul style="list-style-type: none"> • Part II Bd Ex (2007-present) • Vignette Writer Part II boards (2011-present)
2009-2011	Member, Georgia Society of Physical Medicine and Rehabilitation <ul style="list-style-type: none"> • Interim State President (2009-2011)

HONORS AND AWARDS

1983-1986	Varsity Baseball Team, University of Notre Dame, Notre Dame, IN
1983-1987	Academic Scholarship, Notre Dame Club of Kentucky
1989	Member of Outstanding Young Men in America
1989-1990	President, Medical Student Government, University of Louisville School of Medicine, Louisville, KY
1990	CIBA – GEIGY Pharmaceuticals Award for Outstanding Community Service
1991	President, Medical Student Association, University of Louisville School of Medicine, Louisville, KY
2004	Top Physicians in Indianapolis, Indianapolis Monthly Magazine

2006-present	Best Doctors in America, Best Doctors Inc. <ul style="list-style-type: none"> • 2006-2007 • 2007-2008 • 2008-2009 • 2009-2010 • 2010-2011 • 2011-2012
2010	Robert L. Bennett, MD Award (Teacher of the Year Award presented by residents,) Department of PM&R, Emory University School of Medicine, Atlanta, GA
2012	Top Physicians in Louisville, Louisville Monthly Magazine
2012	"Partners in Health Care People to Watch" honoree, Business First, Louisville, KY
2013	"Partners in Healthcare" honoree, Business First, Louisville, KY
2013	Physical Medicine & Rehabilitation Outstanding Teacher Award (presented by residents), Department of Neurosurgery, Division of Physical, Medicine & Rehabilitation, University of Louisville School of Medicine, Louisville, KY

COMMITTEE ASSIGNMENTS AND ADMINISTRATIVE SERVICES

1995-1997	Medical Advisor, Wheels in Motion Disabled Athletic Program
1995-2005	Medical Advisor, Indiana Brain Injury Task Force, Indianapolis, IN
1995-2005	Medical Director, Brain Injury Rehabilitation Continuum at the Hook Rehabilitation Center, Indianapolis, IN
1995-2005	Medical Director, The Center for Neuropsychological Rehabilitation: Outpatient/Day Rehab Programs/Inpatient Neurobehavioral Program, Indianapolis, IN
1998-2005	Medical Advisor HealthCare Excel (Indiana Medicaid)
1998-2005	Medical Advisor, SpectraCare Home Health Agency
1999-2000	Medical Director of Subacute Rehabilitation Miller's Merry Manor
1999-2000	Medical Director, Kokomo Rehabilitation Hospital
1998-2000	Medical Director of Outpatient Rehabilitation and Sports Medicine Therapy Express at Five Seasons Sports Country Club
1999-2000	Medical Director, Subacute Rehabilitation Kindred Eaglecreek
1999-2000	Rehabilitation Medical Director, Kindred Long-Term Acute Care Hospital
2001-2005	Executive Committee, Neuroscience Institute of Indiana Community Hospitals of Indianapolis, Indianapolis, IN
2002-2003	Member of Strathmore's WHO'S WHO (Lifetime Member)
2002-2005	Hook Disabled Athletic Program
2003-2005	Medical Director, August Hook Rehabilitation Center
2007-present	Brain Injury Association of America's Federal Legislative Advisory Committee
2011-present	Medical Director, Frazier Rehab and Neuroscience Institute
2011-present	Chief, Division of Physical Medicine and Rehabilitation, University of Louisville SOM
2011-present	Advisory Dean, University of Louisville School of Medicine
2011-present	Academic Mentor, Guadalupe Mejia, O.D., FAAD, Department of Ophthalmology
2011-present	Founder: PM&R Medical Student Special Interest Group
2012-present	Dean's LCME Committee on Student Services Learning Environment, University of Louisville SOM
2012-present	Director, PM&R Residency Program, University of Louisville SOM
2013-present	Dean's Clinical Enterprise Committee, University of Louisville SOM
2013-present	KentuckyOne Health ICD-10 Education Committee

Advisory Board Appointments

1996-2005	Aventis Pharmaceuticals
1998-present	Allergan Pharmaceuticals
1999-2001	Proctor and Gamble
2000-2009	Cephalon Pharmaceuticals
2004-2006	Forest Pharmaceuticals
2005-present	Medtronic, Inc.
2008-2011	Bioness, Inc.
2011-2012	Ipsen Pharmaceuticals

Charitable Organizations:

1997-2005	Board of Directors, Kids Chance Organization (Supports children of workers injured/killed on the job)
1997-present	Knights of Columbus
1998-2002	Board of Directors, Indiana Brain Injury Association
2004-2005	Board of Directors, Indiana Brain Injury Association
2011-present	Board of Directors, Brain Injury Alliance of Kentucky
2011-present	Board of Directors, Friends of Frazier: Frazier Rehab and Neuroscience Institute

EDUCATIONAL ACTIVITIES

GRAND ROUNDS

PM&R Grand Rounds lecture on "Rotator Cuff Injuries: Diagnosis, Treatment and Rehabilitation" at the Medical College of Virginia, Richmond, VA. February 12, 1993.

PM&R Grand Rounds lecture on "Prophylaxis and Treatment of Thromboembolic Disease in the Rehabilitation Patient" at Medical College of Virginia, Richmond, VA. February, 1996.

Grand Rounds lecture on "What Physical Medicine and Rehabilitation Can Do for You" at Bloomington Hospital, Bloomington, IN. June, 1996.

Grand Rounds lecture on "Prophylaxis and Treatment of Thromboembolic Disease in the Rehab Patient" at Charleston Rehabilitation Hospital, Charleston, WV. October, 1996.

Grand Rounds lecture on "Diagnosis and Treatment of Venous thrombosis" at Community Hospital South, Indianapolis, IN. October, 1996.

Grand Rounds lecture on "Diagnosis and Treatment of Venous thrombosis" at Memorial Hospital, Greenfield, IN. May, 1997.

Grand Rounds lecture of "Diagnosis and Treatment of Venous thrombosis" at Greensburg Hospital, Greensburg, IN. July, 1997.

Grand Rounds lecture on "Brain Injury Rehabilitation" at Union Hospital, Terre Haute, IN. May, 1998.

Grand Rounds lecture on "Diagnosis, Treatment and Prophylaxis of Venous-thrombosis" at Morgan County Hospital, Martinsville, IN. February, 1999.

PM&R Grand Rounds lecture on “Sleep Disorders in the Rehabilitation Patient” at Indiana University, Indianapolis, IN. August 13, 2001.

PM&R Grand Rounds lecture on “Pharmacology in Brain Injury” at Emory University, Atlanta, GA. October 6, 2005.

Neurology Grand Rounds lecture on “Brain Injury Rehabilitation” at Emory University, Atlanta, GA. November 6, 2009.

Neurosciences Grand Rounds lecture on “Neuropharmacology in Brain Injury” at University of Louisville, Louisville, KY. September, 2011.

Family Practice Grand Rounds lecture on “Long Term Sequelae of Stroke” at University of Louisville, Louisville, KY. October, 2011.

Sports Medicine Grand Rounds lecture on “Sports Concussions: Diagnosis and Treatment” at University of Louisville, Louisville, KY. October, 2011.

Neurosciences Grand Rounds lecture on “A New Paradigm for Spasticity Management” at University of Louisville, Louisville, KY. January 13, 2012.

Neuroscience Grand Rounds lecture on “International Center for Advanced Neurorehab (ICAN) Program Update” at University of Louisville, Louisville, KY. May 3, 2012.

Physical Medicine and Rehabilitation Grand Rounds lecture on “Etanercept: Wonder Drug or Wonder Hoax?” at University of Louisville, Louisville, KY. February 22, 2013.

Physical Medicine and Rehabilitation Grand Rounds lecture on “Health Care Reform and its possible effects on PM&R” at University of Louisville, Louisville, KY. March 2014

OTHER

RITE Cadaver Course teaching: “Practice Injection Technique for CD: Approved Muscles per Label” at University of Louisville, Louisville, KY. March 23-24, 2012.

RITE Cadaver Course teaching: “Practice Injection Technique for ULS: Approved 5 Muscles per Label” at University of Louisville, Louisville, KY. March 23-24, 2012.

CLINICAL ACTIVITIES

2005-present	Best Doctors Inc. - Consultant
2008-present	International TBI Rehabilitation Roundtable Committee, Veterans Hospital Administration
2010-present	International Working Group on Paroxysmal Sympathetic Hyperactivity
2011-present	Frazier Rehab Institute - Chair PM&R Medical Committee
2011-present	Frazier Rehab Institute – CARF Accreditation Committee
2011-present	Jewish Hospital – Medical Operations Committee
2011-present	TBI – Research Optimization Committee – Advisory Board
2011-2012	Neurorecovery Network Health Committee

EDITORIAL WORK

2008-present

Reviewer, PM&R

Reviewer, Journal of Physical Medicine and Rehabilitation

Reviewer, Archives of Physical Medicine and Rehabilitation

Reviewer, Journal of Rehabilitation Research and Development

Reviewer, Neuromodulation: Technology at the Neural Interface

Reviewer, Association of Academic Physiatrists Abstract Submissions (2005-2011)

Reviewer, American Academy of PM&R Abstract Submissions – (2007-2011)

Institutional Review Board – Shepherd Center (2005–2011)

Institutional Review Board (Guest Reviewer)- Kessler Rehab Institute (2010-2011)

Institutional Review Board (Independent Resource Reviewer) – Promotion Committee, Medical College of Virginia, Virginia Commonwealth University (2012)

ABSTRACTS AND PRESENTATIONS

National/International Meetings

1. Moderator: SDMCP Study Guide - Stroke Rehabilitation. **Kaelin DL.** AAPM&R Annual Assembly, Anaheim, CA. October 8, 1994.
2. Platform presentation: Methylphenidate for Hypoarousal in the Brain Injured Adult. **Kaelin DL.** AAPM&R Annual Assembly Anaheim, CA. October 8, 1994.
3. Platform presentation: Functional Outcome Implications Relating to Medication Utilization on an Inpatient Rehabilitation Unit. **Kaelin DL.** AAPM& R Annual Assembly, Anaheim, CA. October 8, 1994.
4. Focus Session Discussant: Neurostimulant Use in the Brain Injured Adult. **Kaelin DL.** AAPM&R Annual Assembly, Anaheim, CA. October 12, 1994.
5. Oral presentation: Use of Low Molecular Weight Heparins. **Kaelin DL.** Aventis Pharmaceuticals Speakers Bureau – Approximately six times a year. 1995 – 2005.
6. Oral presentation: Update on Neurostimulant Use in Brain Injury. **Kaelin DL.** Annual AAPM&R Assembly, Orlando, FL. November 1995.
7. Platform presentation: The Incidence of Deep Vein Thrombosis on an Acute Brain Injury Rehabilitation Unit. **Kaelin DL.** AAPM&R Annual Assembly, Orlando, FL. November 16, 1995.
8. Oral presentation: Use of Low Molecular Weight Heparins in Prophylactic and Treatment of Thromboembolic Disease. **Kaelin DL.** OmniCare Pharmacies National Meeting, Atlanta, GA. July, 1996.
9. Oral presentation: Mild Brain Injury in the Worker. **Kaelin DL.** Annual Assembly of The Indiana Workers Compensation Industry, Indianapolis, IN . August, 1996.
10. Oral presentation: Management of DVT & P.E. **Kaelin DL.** Virginia Nurse Case Manager Association Annual Meeting, Roanoke, V A. September, 1996.
11. Oral presentation: Update on Neurostimulant Use in Brain Injury. **Kaelin DL.** Annual AAPM&R Assembly, Chicago, IL. October, 1996.

12. Oral presentation: Management of Venothromboembolic Disease. **Kaelin DL.** Annual Meeting of the American College of International Physicians, Louisville, KY. February, 1997.
13. Moderator and Presenter: Comparing Stroke Rehabilitation across the Wodd. **Kaelin DL.** International Rehab Medicine Association Meeting, Kyoto, Japan. August, 1997.
14. Oral presentation: Deep Vein Thrombosis in the Rehabilitation Patien. **Kaelin DL.** International Rehab Medicine Association Meeting, Kyoto, Japan. August, 1997.
15. Oral presentation: Update on Neurostimulant Use in Brain Injury. **Kaelin DL.** Annual AAPM&R Assembly, Seattle, W A. October, 1997.
16. Oral presentation: Prophylaxis and Treatment of DVT and PE in the Orthopaedic Patient. **Kaelin DL.** Annual Indiana Orthopedic Center Symposium, Indianapolis, IN. February, 1999.
17. Oral presentation: Reflex Sympathetic Dystrophy. **Kaelin DL.** Presented to Adjusters of Indiana Insurance, Indianapolis, IN. June, 1999.
18. Oral presentation: Managing the Complex Worker with Back Pain, "Back to the Future." **Kaelin DL.** Community Hospital Worker's Compensation Symposium, Indianapolis, IN. July, 1999.
19. Oral presentation: Diagnosis, Management and Prophylaxis of Venous-thrombosis in the Rehabilitation Patient. **Kaelin DL.** Annual Convention of the Pennsylvania PM&R Society, Hershey, P A. August, 1999.
20. Oral presentation: Reflex Sympathetic Dystrophy. **Kaelin DL.** Indiana Worker's Compensation Industry Meeting, Indianapolis, IN. September, 1999.
21. Oral presentation: Spasticity Management. **Kaelin DL.** Elan Pharmaceuticals Speakers Bureau. 2001 – 2005.
22. Oral presentation: Use of Low Molecular Weight Heparin in Long-Tenn Care Patients. **Kaelin DL.** Presented to Head Pharmacists of Pharmerica, Chicago, IL. July, 2001.
23. Keynote Speaker: Evidenced Based Rehab. **Kaelin DL.** Celebration of Independence, Brooks Rehabilitation Hospital, Jacksonville, FL. October 19, 2001.
24. Oral presentation: Medical Management of Concussion in the Athlete. **Kaelin DL.** Annual Meeting of Indiana Athletic Trainers Association, Indianapolis, IN. October 28, 2001.
25. Oral presentation: Managing the Emotionally Charged Worker's Compensation Case. **Kaelin DL.** Presented at 2nd Annual Kid's Chance Seminar. November 9, 2001.
26. Research Course Facilitator/Panel Discussant, Association of Academic Physiatrists Annual Meeting, LaJolla, CA. February, 2000.
27. Oral presentation: Abnormal Gait Patterns, Identifying Different Limps for the Primary Physician. **Kaelin DL.** Indiana Orthopedic Center Annual PCP Seminar, Indianapolis, IN. February, 2001.
28. Oral presentation: Developing Careers in Rehabilitation Research, The Secrets of Our Success. **Kaelin DL.** Moderator at the Association of Academic Physiatrists Convention, Hilton Head, SC. February, 2001.

29. Oral presentation: Managing Agitation in the Acutely Brain Injured Patient. **Kaelin DL.** Neurorestorative Centers of America Seminar, Nashville, TN. May, 2001.
30. Oral presentation: Managing the Difficult Patient with Low Back Pain. **Kaelin DL.** Preferred Disability Management Annual Adjuster Inservice, Indianapolis, IN. May, 2001.
31. Oral presentation: Brain Injury in the Worker's Compensation Patient. **Kaelin DL.** Presented to GENEX Insurance Adjustors, Indianapolis, IN. July, 2001.
32. Advisor to Allergan on Spasticity Management. **Kaelin DL.** Advisor Meeting, Phoenix, AZ. February 8-10, 2002.
33. Invited Speaker: Coding and Billing for Brain Injury. **Kaelin DL.** AAPM&R Annual Assembly, Chicago, IL. 2003.
34. Oral presentation: Neuropharmacology in Brain Injury: Case Discussions. **Kaelin DL.** AAPM&R Annual Assembly, Chicago, IL. 2003.
35. Invited Speaker: Coding and Billing for Brain Injury. **Kaelin DL.** AAPM&R Annual Assembly, Phoenix, AZ. 2004.
36. Oral presentation: Lumbar Radiculopathy/Plexopathy. **Kaelin DL.** AANEM Workshop Committee, Rochester, MN. September 21, 2005.
37. Oral presentation: Safety and Efficacy of Repeated Botulinum Toxin Type A Treatment For Focal Upper-Limb Poststroke Spasticity. **Kaelin DL.** AAPM&R Annual Assembly. October 19, 2005.
38. Oral presentation: Neuropharmacology in Brain Injury. **Kaelin DL.** Tennessee Brain Injury Association, Chattanooga, T. February 23, 2006.
39. Oral presentation: Levels 1-6 on Rancho Coma Scale. **Kaelin DL.** Annual Traumatic Brain Injury Symposium, Macon, GA. October 17, 2006.
40. Oral presentation: A Physician's Perspective on Closed head Injuries. **Kaelin DL.** Atlanta Bar Association, Atlanta, GA. February 16, 2007.
41. Oral presentation: Managing Traumatic Brain Injury: Coma To Community. **Kaelin DL.** Institute of Continuing Legal Education in Georgia, Duluth, GA. March 30, 2007.
42. Oral presentation: Medical Complications Related To Brain Injury. **Kaelin DL.** Institute of Continuing Legal Education in Georgia, Athens, GA. March 31, 2008.
43. Oral presentation: Endocrine Issues for Women Following TBI. **Kaelin DL.** Contemporary Forums, Orlando, FL. April 2-5, 2008.
44. Oral presentation: Spasticity: Diagnosis and Management. **Kaelin DL.** Contemporary Forums, Orlando, FL. April 2-5, 2008.
45. Oral presentation: Managing the Exploding Costs of Back Injuries. **Kaelin DL.** Indiana Conference on Workplace Ergonomics, Indianapolis, IN. August, 1998.
46. Oral presentation: Reflex Sympathetic Dystrophy. **Kaelin DL.** Presented to Adjusters and Case Management of GENEX, Indianapolis, IN. September, 1998.

47. Oral presentation: Management of Pathological Behavior in the Brain Injury Patient. **Kaelin DL.** Frazier Rehabilitation Brain Injury Symposium, Louisville, KY. October, 1998.
48. Oral presentation: Functional Electrical Stimulation. **Kaelin DL.** International Conference on Spine Surgery and Rehabilitation, Milan, Italy. October 6-8, 2008.
49. International Round Table on Traumatic Brain Injury and Related Stress Disorders. **Kaelin DL.** Washington, DC. November 17-18, 2008.
50. Oral presentation: Technological Advances In Spinal Cord Injury Rehabilitation External and Implantable Electrical Stimulation Devices. **Kaelin DL.** AAP Meeting, Colorado Springs, CO. February 28, 2009.
51. Invited Lecturer: Combat Related Injuries. **Kaelin DL.** Tom Dooley Society, University of Notre Dame, Notre Dame, IN. October 3, 2009.
52. Oral presentation: Treatment of Upper Limb Spasticity. **Kaelin DL.** Puerto Rican PM&R Society, San Juan, Puerto Rico. July 10, 2010.
53. Oral presentation: State of Neurorobotics in TBI. **Kaelin DL.** North American Neurorehabilitation Symposium, Atlanta, GA. August 27, 2010.
54. Oral presentation: Diagnosis and Treatment of Depression After TBI. **Kaelin DL.** American Congress of Rehabilitation, Montreal, Canada. October 23, 2010.
55. Oral presentation: Resident Evaluation and Communication. **Kaelin DL.** Program for Academic Leadership, Association of Academic Physiatrists, Phoenix, AZ. April, 2011.
56. Oral presentation: The Joy of Criticism: Academic Evaluations. **Kaelin DL.** International Society of Physical and Rehabilitation Medicine, San Juan, Puerto Rico. June, 2011.
57. Oral presentation: Clinical Pearls: Treating Post-traumatic Headache. **Kaelin DL.** American Academy of Physical Medicine and Rehabilitation, Orlando, FL. November 19, 2011.
58. Oral presentation: A New Paradigm for Spasticity Management. **Kaelin DL.** The Brain Injury Summit, Beaver Creek, CO. January 10, 2012.
59. Oral presentation: Optimizing Outcomes for Patients with Spasticity: Improving Assessment and Maximizing Intervention Options. **Kaelin DL.** American Academy of Physical Medicine and Rehabilitation Annual Meeting, Pre-Conference Course. Atlanta, GA. November 13-14, 2012.
60. Oral presentation: A Review of the Evidence of Neuropharmacology in Cognition, Function, and Behavior After Traumatic Brain Injury. **Kaelin DL.** American Academy of Physical Medicine and Rehabilitation Annual Meeting, Section on Neurological Rehabilitation. Atlanta, GA. November 15, 2012.
61. Oral presentation: Disaster Relief. **Kaelin DL.** American Academy of Physical Medicine and Rehabilitation Annual Meeting, International Symposium. Atlanta, GA. November 16, 2012.

62. Oral presentation: Disaster Relief. **Kaelin DL.** American Academy of Physical Medicine and Rehabilitation Annual Meeting, Section on Practice Management and Leadership. Atlanta, GA. November 16, 2012.
63. Lecture: Traumatic Brain Injuries. Kaelin DL. University of Louisville Hospital, Trauma Department. Louisville, KY. July 16, 2013.
64. Oral presentation: Concussions in Youth Sports: Beyond Watching and Waiting. Ken Mautner; **Darryl L. Kaelin**; Scott Laker; Andrew J. Gregory; Jonathan Finnoff American Academy of Physical Medicine and Rehabilitation Annual Meeting. Washington, DC October 3, 2013.
65. Oral presentation: Neuropharmacology in Traumatic Brain Injury. **Kaelin DL.** American Academy of Physical Medicine and Rehabilitation Annual Meeting. Baltimore. MD. October 2013.
66. Oral presentation: Proving Feedback on Resident Performance. **Kaelin DL.** Association of Academic Physiatrists Annual Meeting. Nashville, TN. March 1, 2014.

Local/Regional Meetings

1. Lecture: Common Swimming Injuries. **Kaelin DL.** Virginia Amateur Swimming Association Awards Banquet, Richmond, VA. April 17, 1993.
2. Oral presentation: Updates in Brain Injury Rehabilitation. **Kaelin DL.** Southern Indiana Rehabilitation Hospital Symposium, Louisville, KY. October 2000
3. Oral presentation: Quality Control of Health care: A Physician's Perspective. **Kaelin DL.** Indiana Hospital Association Meeting, Indianapolis, IN. June, 2000.
4. Oral presentation: Aquatic Therapy. **Kaelin DL.** American Physical Therapy Association - Indiana Chapter. February 11, 2002.
5. Oral presentation: Botulinum Neurotoxin: Diagnosis and Treatment of the Upper Motor Overactivity. **Kaelin DL.** The Botulinum Neurotoxin and Muscle Overactivity Workshop, Atlanta, GA. June 7, 2008.
6. Oral presentation: Caring for the Vulnerable Patient: "Wicked" Problems In Health Care Ethics Addressing Combat-Related Injuries. **Kaelin DL.** Atlanta, GA. March 19, 2009.
7. Oral presentation: Movement Disorders. **Kaelin DL.** Residents and Fellows Botulinum Toxin Educational Conference, Spasticity, Atlanta, GA. March 21, 2009.
8. Neuro Anatomy Review, Jewish Hospital and St. Mary's Hospital Rehabilitation Nurse Certification and Annual Review, Frazier Rehabilitation and Neurosciences Center, Louisville, KY. April 16, 2012.
9. Oral presentation: Autonomic Dysreflexia. **Kaelin DL.** Louisville Emergency Medical Service In-Service. Louisville, KY. July 24, 2012
10. Botox for Upper Limb Spasticity (Elbow, Wrist, Fingers): Treating Common Presentations. **Kaelin DL.** Lexington, KY. August 9, 2012

11. Autonomica Dysreflexia. **Kaelin DL**. Louisville Emergency Medical Service In-Service. Louisville, KY. August 14, 2012
12. Botox for Upper Limb Spasticity (Elbow, Wrist, Fingers): Treating Common Presentations. **Kaelin DL**. Cincinnati, OH. August 21, 2012
13. Botox for Upper Limb Spasticity (Elbow, Wrist, Fingers): Treating Common Presentations. **Kaelin DL**. Cincinnati, OH. August 28, 2012
14. Neuropharmacology in Brain Injury. **Kaelin DL**. KentuckyOne Health: Cognitive Rehabilitation on the Continuum of Recovery: The How To's. Louisville, KY. September 22, 2012
15. Oral presentation: Acute Brain Injury Rehabilitation. **Kaelin DL**. Brain Injury of Kentucky Annual Summit. Louisville, KY. March 1, 2013
16. Oral presentation: A No-Brainer: Keeping Sports Safe by Preventing Concussions and Injuries. **Kaelin DL**. Living Vital Series: Kentucky Science Center. Louisville, KY. March 21, 2013

CURRENT RESEARCH

1. Acute Rehabilitation Medication Trial in Traumatic Brain Injury: Ritalin vs. Bromocriptine. Shepherd Center Foundation Grant. **Kaelin DL**, Seel R, Bilsky G, Small S. Annual Costs: \$36,000-\$65,000; Total Costs: \$304,000. 4/1/07-9/30/13. Aim: The current clinical trial is, "A Randomized Double-Blinded, Placebo-Controlled, Multi-Arm, Multi-Stage Study of Methylphenidate Hydrochloride and Bromocriptine Mesylate to Improve Attention in Participants with Traumatic Brain Injury Receiving Acute Rehabilitation"
2. Zolpidem and Restoration of Consciousness in TBI. Sub-contract for U.S. Department of Education, NIDRR Field-Initiated Grant, H133G080066. Seel R., Whyte J, **Kaelin DL**, Multicenter Study. Total Costs: \$12,000. 10/1/09-9/30/11. Aim: To identify the prevalence of arousal response to Zolpidem in persons with disorders of consciousness and to explore the mechanism of drug action using functional imaging
3. SCI Physical Therapy Transitional Research Group (Stretch Study Group) – a multi-disciplinary research group studying how stretching and other physical therapy treatments include the central nervous system post-spinal cord injury. Department of Neurological Surgery, University of Louisville School of Medicine, Louisville, KY. **Kaelin DL**, et al. Amount: Currently unfunded
4. Medications Used for TBI Patients; Association with Patient Pre-Injury and Injury Characteristics and Outcomes. Sub-award for National Institutes of Health—National Center for Medical Rehabilitation Research, R01, RHD050439A. Hammond F, Riser D, Seel R, Smout R, Barrett R, Horn S, Brandstater M, Cullen N, Mysiw J, **Kaelin DL**, Shea T, Broddick E. Annual Costs: \$26,864-\$84,000 Total Costs: \$310,034. 7/1/07 – 06/30/12. Aim: Comparative effectiveness research study to identify TBI inpatient rehabilitation interventions associated with outcomes.
5. Pending: PCORI Grant: Shared Decision Making Practices for Individuals with Traumatic Brain Injury After Acute Inpatient Rehabilitation - \$500,000 direct costs/yrx3, 10% indirects. **Kaelin DL**, Watanabe T, Elias E, Larson, MJ, Petras H, Lorenz L, Im B, Francisco G, Graves D, Bell K. April 2013 to present.
6. Pending: Avanir Pharmaceuticals: PRISMII Study: A Study to Assess the Safety, Tolerability and Effectiveness of NUDEXTA (Dextromethorphan 20mg/Quinidine 10mg) in the Treatment of Pseudobulbar Affect (PBA) - \$34,500 over 18 months. **Kaelin DL**, et al. February 2013 to present.

7. Pending: KSCHIRT TBI Grant: Longitudinal Study of Brain Structure and Connectivity after Mild Traumatic Brain Injury - 100,000/yrx3, 10% indirects. Boayke M, **Kaelin DL**, et al. July 2013 to present.

PUBLICATIONS

1. **Kaelin DL**: Functional Outcome Implications Relating to Medication Utilization on an Inpatient Rehabilitation Unit. (Abstract) Archives of Physical Medicine and Rehabilitation. 75:1030, 1994
2. **Kaelin DL**, Cifu D, Matthies B: Impact of a Controlled Trial of Methylphenidate on Attention Deficit in the Acutely Brain Injured Adult. (Abstract) Archives of Physical Medicine and Rehabilitation. 75:1036, 1994.
3. **Kaelin DL**, Cifu D, Mathies B: Methylphenidate Effect on Attention Deficit in the Acutely Brain-Injured Adult. Archives of Physical Medicine & Rehabilitation. 77(1):6-9, 1996.
4. Cifu D, **Kaelin DL**, Wall B: Deep Venous Thrombosis: Incidence on Admission to a Brain Injury Rehabilitation Program. Archives of Physical Medicine & Rehabilitation. 77(11):1182-5, 1996.
5. Bergeron J, Braddom R, **Kaelin DL**: Persisting Impairment Following Rocky Mountain Spotted Fever: A Case Report. Archives of Physical Medicine & Rehabilitation. 78(11):1277-80, 1997.
6. Lim PAC, Brander VA, **Kaelin DL**, Oh TH: Rehabilitation of Orthopedic and Rheumatologic Disorders. 1. Osteoporosis. (Abstract) Archives of Physical Medicine & Rehabilitation. 2000 Mar; 81: S-55-S-59.
7. Oh TH, Lim PAC, Brander VA, **Kaelin DL**: Rehabilitation of Orthopedic and Rheumatologic Disorders. 2. Connective tissue diseases. (Abstract) Archives of Physical Medicine & Rehabilitation. 2000 Mar; 81: S-60-S-66.
8. Brander VA, **Kaelin DL**, Oh TH, Lim PAC. Rehabilitation of Orthopedic and Rheumatologic Disorders. 3. Degenerative joint disease. (Abstract) Archives of Physical Medicine & Rehabilitation. 2000 Mar; 81: S-67-S-72.
9. **Kaelin DL**, Oh TH, Lim PAC, Brander VA, Biundo JJ. Rehabilitation of Orthopedic and Rheumatologic Disorders. 4. Musculoskeletal disorders. (Abstract) Archives of Physical Medicine & Rehabilitation. 2000 Mar; 81: S-73-S-77.
10. Ogle AA, Garrison SJ, **Kaelin DL**., Atchison JW, Park YI, Currie DM: Roadmap to Physical Medicine and Rehabilitation: Answers to Medical Students' Questions About the Field. American Journal of Physical Medicine & Rehabilitation. 80(3):218-224, 2001.
11. Elovic EP, Brashear A, **Kaelin DL**, Lui J, Millis SR, Barron R, Turkel C: Repeated Treatments with Botulinum Type A Produce Sustained Decreases in the Limitations Associated with Focal Upper-Limb Poststroke Spasticity for Caregivers and Patients. Arch Phys Med Rehabilitation. 89(5):799- 806, 2008.
12. Elovic EP, Esquenazi A, Alter KE, Lin JL, Alfaro A, **Kaelin DL**: Chemodenervation and Nerve Blocks in the Diagnosis and Management of Spasticity and Muscle Overactivity. Arch Phys Med Rehabilitation. 1(9): 842-51, 2009.
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