

**DARRYL L. KAELIN, M.D.**

University of Louisville  
University of Louisville Endowed Chair for Stroke and Brain Injury Rehabilitation  
Professor and Chief, Division of PM&R  
Department of Neurological Surgery  
220 Abraham Flexner Way, Suite 1532  
Louisville, KY 40202

---

**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

**ACADEMIC APPOINTMENTS**

1995-2003 Clinical Assistant Professor, Rehabilitation Associates of Indiana  
Department of Physical Medicine and Rehabilitation  
Indiana University School of Medicine  
Indianapolis, IN

2003-2005 Clinical Associate Professor, Rehabilitation Associates of Indiana  
Department of Physical Medicine and Rehabilitation  
Indiana University School of Medicine  
Indianapolis, IN

2005-2010 Clinical Associate Professor, Shepherd Center  
Department of Rehabilitation Medicine  
Emory University School of Medicine  
Atlanta, GA

2010-2011 Clinical Professor, Shepherd Center  
Department of Rehabilitation Medicine  
Emory University School of Medicine  
Atlanta, GA

2011-present Associate Professor, University of Louisville  
Department of Neurological Surgery  
Division of Physical Medicine and Rehabilitation  
University of Louisville School of Medicine  
Louisville, KY

2011-present Chief, Division of Physical Medicine and Rehabilitation  
University of Louisville School of Medicine  
Louisville, KY

2012-present Director, Physical Medicine and Rehabilitation Residency Program  
University of Louisville School of Medicine  
Louisville, KY

**OTHER POSITIONS AND EMPLOYMENT**

1995-2003 Medical Director of Brain Injury Services, Hook Rehab Center

	Indianapolis, IN
1995-2005	Rehabilitation Associates of IN Indianapolis, IN
2003-2005	Medical Director, Hook Rehab Center Indianapolis, IN
2005-2011	Shepherd Center, Atlanta, GA
2005-2011	Medical Director of Brain Injury Programs, Shepherd Center Atlanta, GA
2005-2011	Medical Director of Brain Injury Research, Shepherd Center Atlanta, GA
2008-2011	Medical Director of SHARE Initiative Military Program, Shepherd Center Atlanta, GA

#### **CERTIFICATION AND LICENSURE**

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

#### **PROFESSIONAL MEMBERSHIPS AND ACTIVITIES**

1987-present	Lifetime Member, American Medical Association
1992-present	Diplomat, Association of Academic Physiatrists Undergraduate Education Committee (1997-1999) Course Director (2001-2009) Awards Committee (2003-2007) Program Planning Committee (1999-2001, 2007-2011) <ul style="list-style-type: none"> <li>• Chair (2009-2011)</li> </ul> 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"> <li>• State President (2005)</li> </ul>
1995-2007	Fellow, American Association of Neuromuscular and Electrodiagnostic Medicine
1995-present	Member, Colleague of the International Society of Physical and Rehabilitation Medicine Symposium Moderator and Guest Speaker, Kyoto, Japan (August 1997) Audit and Finance Committee (2009-present) WHO/Disability Committee (2011-present)
1995-present	Fellow and Lifetime Member, American Academy of Physical Medicine and Rehabilitation Young Physiatrist Committee (1995-2005) Facilitator, Study Guideline Subcommittee (1997-1999)

AAPMR/ACRM Alternate Delegate to JCAHO (1997-2001)  
 Undergraduate Education Committee (1998-2004)  
 Nominating Committee (2004-2007, 2009-2011)  
 Program Planning Committee (2004-present)
 

- Vice-Chair Medical Rehabilitation Track (2009-2011)

 Liaison Committee to ISPRM WHO/Disability (2011-2017)
 

- Chair (2011-2017)

 Delegate to TBI-ROC Advisory Board (2011-2015)  
 Board of Governors (2012-present)
 

- Secretary (2012-2015)
- Vice-President (2015-2016)
- President-Elect (2016-2017)
- President (2017-2018)

1996-present      Diplomat, American Board of Physical Medicine and Rehabilitation  
 Part II Oral Board Examiner (2007-present)  
 Vignette Writer Part II boards (2011-2014)  
 MOC Question Writer (2016-present)

2009-2011      Member, Georgia Society of Physical Medicine and Rehabilitation  
 Interim State President (2009-2011)

#### **HONORS AND AWARDS**

1983-1986      Varsity Baseball Team, University of Notre Dame, Notre Dame, IN

1983-1987      Notre Dame Club of Kentucky Academic Scholarship Award

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

1995            Chief Resident, Department of Physical Medicine & Rehabilitation, Medical College of VA

2004            Top Physicians in Indianapolis, Indianapolis Magazine

2006-present    Best Doctors in America, Best Doctors Inc.

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 Magazine

2012            “Partners in Healthcare People to Watch” honoree, Business First, Louisville, KY

2013-2016      “Partners in Healthcare” honoree, Business First, Louisville, KY

2013	Outstanding Teacher Award (presented by residents), Department of Neurosurgery, Division of Physical, Medicine & Rehabilitation, University of Louisville School of Medicine, Louisville, KY
2015	Top Docs, Louisville Magazine
2015-present	Endowed Chair of Stroke and Brain Injury Rehabilitation, University of Louisville, Louisville, KY
2017	Top Doctor, Castle Connolly
2017	"Health Care Hero Innovator" finalist, Business First, Louisville, KY
2017	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

### UNIVERSITY ACTIVITIES

2011-present	Advisory Dean, University of Louisville School of Medicine
2011-2014	Academic Mentor, Guadalupe Mejia, O.D., FAAD, Department of Ophthalmology
2011-present	Founder, PM&R Medical Student Special Interest Group
2012-2014	Member, Dean's LCME Committee on Student Services Learning Environment, University of Louisville School of Medicine
2013-2014	Member, Dean's Clinical Enterprise Committee, University of Louisville School of Medicine
2015	Dean's Chair Evaluation Committee- Reviewed Radiation Oncology Chair performance

### NON-UNIVERSITY ACTIVITIES

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
1996-2005	Advisory Board, Aventis Pharmaceuticals
1997-2005	Board of Directors, Kids Chance Organization (Supports children of workers injured/killed on the job)
1997-present	Member, Knights of Columbus
1998-2002, 2004-2005	Board of Directors, Indiana Brain Injury Association
1998-2005	Medical Advisor, HealthCare Excel (Indiana Medicaid)
1998-2005	Medical Advisor, SpectraCare Home Health Agency
1998-2012	Advisory Board, Allergan Pharmaceuticals
1999-2000	Medical Director, Subacute Rehabilitation Miller's Merry Manor
1999-2000	Medical Director, Kokomo Rehabilitation Hospital
1998-2000	Medical Director, Outpatient Rehabilitation and Sports Medicine Therapy Express, Five Seasons Sports Country Club
1999-2000	Medical Director, Subacute Rehabilitation Kindred Eaglecreek
1999-2000	Rehabilitation Medical Director, Kindred Long-Term Acute Care Hospital
1999-2001	Advisory Board, Proctor and Gamble
2000-2009	Advisory Board, Cephalon Pharmaceuticals
2001-2005	Executive Committee, Neuroscience Institute of Indiana Community Hospitals of Indianapolis,

	Indianapolis, IN
2002-2003	Lifetime Member, Strathmore's WHO'S WHO
2002-2005	Medical Advisor, Hook Disabled Athletic Program
2004-2006	Advisory Board, Forest Pharmaceuticals
2005-2012	Advisory Board, Medtronic, Inc.
2007-present	Member, Brain Injury Association of America's Federal Legislative Advisory Committee
2008-2011	Advisory Board, Bioness, Inc.
2011-present	Board of Directors, Brain Injury Alliance of Kentucky
2011-present	Board of Directors, Friends of Frazier: Frazier Rehab and Neuroscience Institute
2011-2012	Advisory Board, Ipsen Pharmaceuticals
2013-2016	Member, KentuckyOne Health ICD-10 Education Committee
2015-present	Member, Bundled Payments for Care Improvement Program Committee
2015-present	Medical Director, Stroke Services Program at the Frazier Rehab Institute, Louisville, KY
2015-present	Medical Director, Brain Injury Program at the Frazier Rehab Institute, Louisville, KY
2015-2017	Medical Director, Spinal Cord Program at the Frazier Rehab Institute, Louisville, KY
2016-present	Member, KentuckyOne Health Service Chiefs Committee

## EDUCATIONAL ACTIVITIES

2/1993	PM&R Grand Rounds lecture on "Rotator Cuff Injuries: Diagnosis, Treatment and Rehabilitation" at the Medical College of Virginia, Richmond, VA.
2/1996	PM&R Grand Rounds lecture on "Prophylaxis and Treatment of Thromboembolic Disease in the Rehabilitation Patient" at Medical College of Virginia, Richmond, VA.
6/1996	Grand Rounds lecture on "What Physical Medicine and Rehabilitation Can Do for You" at Bloomington Hospital, Bloomington, IN.
10/1996	Grand Rounds lecture on "Prophylaxis and Treatment of Thromboembolic Disease in the Rehab Patient" at Charleston Rehabilitation Hospital, Charleston, WV.
10/1996	Grand Rounds lecture on "Diagnosis and Treatment of Venous thrombosis" at Community Hospital South, Indianapolis, IN.
5/1997	Grand Rounds lecture on "Diagnosis and Treatment of Venous thrombosis" at Memorial Hospital, Greenfield, IN. .
7/1997	Grand Rounds lecture of "Diagnosis and Treatment of Venous thrombosis" at Greensburg Hospital, Greensburg, IN.
5/1998	Grand Rounds lecture on "Brain Injury Rehabilitation" at Union Hospital, Terre Haute, IN.
2/1999	Grand Rounds lecture on "Diagnosis, Treatment and Prophylaxis of Venous-thrombosis" at Morgan County Hospital, Martinsville, IN.
8/2001	PM&R Grand Rounds lecture on "Sleep Disorders in the Rehabilitation Patient" at Indiana University, Indianapolis, IN.
10/2005	PM&R Grand Rounds lecture on "Pharmacology in Brain Injury" at Emory University, Atlanta, GA.
11/2009	Neurology Grand Rounds lecture on "Brain Injury Rehabilitation" at Emory University, Atlanta, GA.

- 9/2011 Neurosciences Grand Rounds lecture on “Neuropharmacology in Brain Injury” at University of Louisville, Louisville, KY.
- 10/2011 Family Practice Grand Rounds lecture on “Long Term Sequelae of Stroke” at University of Louisville, Louisville, KY.
- 10/2011 Sports Medicine Grand Rounds lecture on “Sports Concussions: Diagnosis and Treatment” at University of Louisville, Louisville, KY.
- 1/2012 Neurosciences Grand Rounds lecture on “A New Paradigm for Spasticity Management” at University of Louisville, Louisville, KY.
- 3/2012 RITE Cadaver Course teaching: “Practice Injection Technique for CD: Approved Muscles per Label” at University of Louisville, Louisville, KY.
- 3/2012 RITE Cadaver Course teaching: “Practice Injection Technique for ULS: Approved 5 Muscles per Label” at University of Louisville, Louisville, KY.
- 5/2012 Neuroscience Grand Rounds lecture on “International Center for Advanced Neurorehab (ICAN) Program Update” at University of Louisville, Louisville, KY.
- 2/2013 Physical Medicine and Rehabilitation Grand Rounds lecture on “Etanercept: Wonder Drug or Wonder Hoax?” at University of Louisville, Louisville, KY.
- 3/2014 Physical Medicine and Rehabilitation Grand Rounds lecture on “Health Care Reform and its possible effects on PM&R” at University of Louisville, Louisville, KY.
- 6/2015 Neuroscience Grand Rounds lecture on “Disorders of Consciousness: Diagnosis, Treatment and Outcomes” at University of Louisville, Louisville, KY.
- 1/2016 Neurosciences Grand Rounds lecture on “The Effects of the Affordable Care Act on Neuroscience Physicians” at University of Louisville, Louisville, KY.
- 1/2016 KSCIRC Seminar on “Enhancing Collaborative Research between Clinician and Researcher” at University of Louisville, Louisville, KY.
- 12/2017 Neuroscience Grand Rounds lecture on “TBI- Is the Blood Brain Barrier a Barrier to Recovery” at University of Louisville, Louisville, KY.
- 1/2018 KSCIRC Seminar on “Neuromuscular Electrical Stimulation and Motor Recovery” at University of Louisville, Louisville, KY.

#### **CLINICAL ACTIVITIES**

- 2005-present Consultant, Best Doctors Inc.
- 2008-present International TBI Rehabilitation Roundtable Committee, Veterans Hospital Administration
- 2010-present International Working Group on Paroxysmal Sympathetic Hyperactivity
- 2011-present Chair, PM&R Medical Committee, Frazier Rehab Institute, Louisville, KY
- 2011-present CARF Accreditation Committee, Frazier Rehab Institute
- 2011-present Medical Operations Committee, Jewish Hospital
- 2011-present Advisory Board, TBI – Research Optimization Committee
- 2011-2012, Neurorecovery Network Health Committee
- 2015-2016

## GRANTS AND CONTRACTS

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. Avanir Pharmaceuticals: PRISMII Study: A Study to Assess the Safety, Tolerability and Effectiveness of NUEDEXTA (Dextromethorphan 20mg/Quinidine10mg) in the Treatment of Pseudobulbar Affect (PBA) - \$26,800 Kaelin DL, et al. 3/31/2014.

## 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. "SDMKP Study Guide - Stroke Rehabilitation", **Kaelin DL**; AAPM&R Annual Assembly, Anaheim, CA, 10/1994.
2. "Methylphenidate for Hypoarousal in the Brain Injured Adult", **Kaelin DL**; AAPM&R Annual Assembly Anaheim, CA, 10/1994.

3. "Functional Outcome Implications Relating to Medication Utilization on an Inpatient Rehabilitation Unit", **Kaelin DL**; AAPM& R Annual Assembly, Anaheim, CA, 10/1994.
4. "Neurostimulant Use in the Brain Injured Adult", **Kaelin DL**; AAPM&R Annual Assembly, Anaheim, CA, 10/1994.
5. "Use of Low Molecular Weight Heparins", **Kaelin DL**; Aventis Pharmaceuticals Speakers Bureau, 1995.
6. "Update on Neurostimulant Use in Brain Injury", **Kaelin DL**; Annual AAPM&R Assembly, Orlando, FL, 11/1995.
7. "The Incidence of Deep Vein Thrombosis on an Acute Brain Injury Rehabilitation Unit", **Kaelin DL**; AAPM&R Annual Assembly, Orlando, FL, 11/1995.
8. "Use of Low Molecular Weight Heparins in Prophylactic and Treatment of Thromboembolic Disease", **Kaelin DL**; OmniCare Pharmacies National Meeting, Atlanta, GA, 7/1996.
9. "Management of DVT & P.E.", **Kaelin DL**; Virginia Nurse Case Manager Association Annual Meeting, Roanoke, VA, 9/1996.
10. "Update on Neurostimulant Use in Brain Injury", **Kaelin DL**; Annual AAPM&R Assembly, Chicago, IL, 10/1996.
11. "Management of Venothromboembolic Disease", **Kaelin DL**; Annual Meeting of the American College of International Physicians, Louisville, KY, 2/1997.
12. "Comparing Stroke Rehabilitation across the World", **Kaelin DL**; International Rehab Medicine Association Meeting, Kyoto, Japan, 8/1997.
13. "Deep Vein Thrombosis in the Rehabilitation Patient", **Kaelin DL**; International Rehab Medicine Association Meeting, Kyoto, Japan, 8/1997.
14. "Update on Neurostimulant Use in Brain Injury", **Kaelin DL**; Annual AAPM&R Assembly, Seattle, WA, 10/1997.
15. "Diagnosis, Management and Prophylaxis of Venous-thrombosis in the Rehabilitation Patient", **Kaelin DL**; Annual Convention of the Pennsylvania PM&R Society, Hershey, PA, 8/1999.
16. "Reflex Sympathetic Dystrophy", **Kaelin DL**; Indiana Worker's Compensation Industry Meeting, Indianapolis, IN, 9/1999.
17. Research Course Facilitator/Panel Discussant, **Kaelin DL**; Association of Academic Physiatrists Annual Meeting, LaJolla, CA, 2/2000.
18. "Spasticity Management", **Kaelin DL**; Elan Pharmaceuticals Speakers Bureau, 2001.
19. "Abnormal Gait Patterns, Identifying Different Limbs for the Primary Physician", **Kaelin DL**; Indiana Orthopedic Center Annual PCP Seminar, Indianapolis, IN, 2/2001.
20. "Developing Careers in Rehabilitation Research, The Secrets of Our Success", **Kaelin DL**; Moderator at the Association of Academic Physiatrists Convention, Hilton Head, SC, 2/2001.
21. "Managing Agitation in the Acutely Brain Injured Patient", **Kaelin DL**; Neurorestorative Centers of America Seminar, Nashville, TN, 5/2001.
22. "Managing the Difficult Patient with Low Back Pain", **Kaelin DL**; Preferred Disability Management Annual Adjuster In-service, Indianapolis, IN, 5/2001.



23. "Brain Injury in the Worker's Compensation Patient", **Kaelin DL**; GENEX Insurance Adjustors, Indianapolis, IN, 7/2001.
24. "Use of Low Molecular Weight Heparin in Long-Term Care Patients", **Kaelin DL**; Head Pharmacists of Pharmacia, Chicago, IL, 7/2001.
25. "Evidenced Based Rehab", **Kaelin DL**; Celebration of Independence, Brooks Rehabilitation Hospital, Jacksonville, FL, 10/2001.
26. "Medical Management of Concussion in the Athlete", **Kaelin DL**; Annual Meeting of Indiana Athletic Trainers Association, Indianapolis, IN, 10/2001.
27. "Managing the Emotionally Charged Worker's Compensation Case", **Kaelin DL**; 2nd Annual Kid's Chance Seminar, 11/2001.
28. "Advisor to Allergan on Spasticity Management", **Kaelin DL**; Advisor Meeting, Phoenix, AZ, 2/2002.
29. \* "Coding and Billing for Brain Injury", **Kaelin DL**; AAPM&R Annual Assembly, Chicago, IL, 2003.
30. "Neuropharmacology in Brain Injury: Case Discussions", **Kaelin DL**; AAPM&R Annual Assembly, Chicago, IL, 2003.
31. \* "Coding and Billing for Brain Injury", **Kaelin DL**; AAPM&R Annual Assembly, Phoenix, AZ, 2004.
32. "Lumbar Radiculopathy/Plexopathy", **Kaelin DL**; AANEM Workshop Committee, Rochester, MN, 9/2005.
33. "Safety and Efficacy of Repeated Botulinum Toxin Type: A Treatment for Focal Upper-Limb Post stroke Spasticity", **Kaelin DL**; AAPM&R Annual Assembly, 10/2005.
34. "Neuropharmacology in Brain Injury", **Kaelin DL**; Tennessee Brain Injury Association, Chattanooga, TN, 2/2006.
35. "Endocrine Issues for Women Following TBI", **Kaelin DL**; Contemporary Forums, Orlando, FL, 4/2008.
36. "Spasticity: Diagnosis and Management", **Kaelin DL**; Contemporary Forums, Orlando, FL, 4/2008.
37. "Functional Electrical Stimulation", **Kaelin DL**; International Conference on Spine Surgery and Rehabilitation, Milan, Italy, 10/2008.
38. "Traumatic Brain Injury and Related Stress Disorders", **Kaelin DL**; International Round Table, Washington, DC, 11/2008.
39. "Technological Advances in Spinal Cord Injury Rehabilitation External and Implantable Electrical Stimulation Devices", **Kaelin DL**; AAP Meeting, Colorado Springs, CO, 2/2009.
40. \* "Combat Related Injuries", **Kaelin DL**; Tom Dooley Society, University of Notre Dame, Notre Dame, IN, 10/2009.
41. "Treatment of Upper Limb Spasticity", **Kaelin DL**; Puerto Rican PM&R Society, San Juan, Puerto Rico, 7/2010.
42. "Diagnosis and Treatment of Depression After TBI", **Kaelin DL**; American Congress of Rehabilitation, Montreal, Canada, 10/2010.
43. "Resident Evaluation and Communication", **Kaelin DL**; Program for Academic Leadership, Association of Academic Psychiatrists, Phoenix, AZ, 4/2011.

44. "The Joy of Criticism: Academic Evaluations", **Kaelin DL**; International Society of Physical and Rehabilitation Medicine, San Juan, Puerto Rico, 6/2011.
45. "Clinical Pearls: Treating Post-traumatic Headache", **Kaelin DL**; American Academy of Physical Medicine and Rehabilitation, Orlando, FL, 11/2011.
46. "A New Paradigm for Spasticity Management", **Kaelin DL**; The Brain Injury Summit, Beaver Creek, CO, 1/2012.
47. "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, 11/2012.
48. "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, 11/2012.
49. "Disaster Relief", **Kaelin DL**; American Academy of Physical Medicine and Rehabilitation Annual Meeting, International Symposium. Atlanta, GA, 11/2012.
50. "Disaster Relief", **Kaelin DL**; American Academy of Physical Medicine and Rehabilitation Annual Meeting, Section on Practice Management and Leadership. Atlanta, GA, 11/2012.
51. "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, 10/2013.
52. "Neuropharmacology in Traumatic Brain Injury", **Kaelin DL**; American Academy of Physical Medicine and Rehabilitation Annual Meeting. Baltimore. MD, 10/2013.
53. "Proving Feedback on Resident Performance", **Kaelin DL**; Association of Academic Physiatrists Annual Meeting. Nashville, TN, 3/2014.

#### LOCAL/REGIONAL MEETINGS

1. "Common Swimming Injuries", **Kaelin DL**; Virginia Amateur Swimming Association Awards Banquet, Richmond, VA, 4/1993.
2. "Mild Brain Injury in the Worker", **Kaelin DL**; Annual Assembly of the Indiana Workers Compensation Industry, Indianapolis, IN, 8/1996.
3. "Managing the Exploding Costs of Back Injuries", **Kaelin DL**; Indiana Conference on Workplace Ergonomics, Indianapolis, IN, 8/1998.
4. "Reflex Sympathetic Dystrophy", **Kaelin DL**; Presented to Adjusters and Case Management of GENEX, Indianapolis, IN, 9/1998.
5. "Management of Pathological Behavior in the Brain Injury Patient", **Kaelin DL**; Frazier Rehabilitation Brain Injury Symposium, Louisville, KY, 10/1998.
6. "Prophylaxis and Treatment of DVT and PE in the Orthopedic Patient", **Kaelin DL**; Annual Indiana Orthopedic Center Symposium, Indianapolis, IN, 2/1999.

7. "Reflex Sympathetic Dystrophy", **Kaelin DL**; Presented to Adjusters of Indiana Insurance, Indianapolis, IN, 6/1999.
8. "Managing the Complex Worker with Back Pain- Back to the Future", **Kaelin DL**; Community Hospital Worker's Compensation Symposium, Indianapolis, IN, 7/1999.
9. "Quality Control of Health care: A Physician's Perspective", **Kaelin DL**; Indiana Hospital Association Meeting, Indianapolis, IN, 6/2000.
10. "Updates in Brain Injury Rehabilitation", **Kaelin DL**; Southern Indiana Rehabilitation Hospital Symposium, Louisville, KY, 10/2000.
11. "Aquatic Therapy", **Kaelin DL**; American Physical Therapy Association - Indiana Chapter, 2/2002.
12. "Levels 1-6 on Rancho Coma Scale", **Kaelin DL**; Annual Traumatic Brain Injury Symposium, Macon, GA, 10/2006.
13. "A Physician's Perspective on Closed head Injuries", **Kaelin DL**; Atlanta Bar Association, Atlanta, GA, 2/2007.
14. "Managing Traumatic Brain Injury: Coma to Community", **Kaelin DL**; Institute of Continuing Legal Education in Georgia, Duluth, GA, 3/2007.
15. "Medical Complications Related to Brain Injury", **Kaelin DL**; Institute of Continuing Legal Education in Georgia, Athens, GA, 3/2008.
16. "Botulinum Neurotoxin: Diagnosis and Treatment of the Upper Motor Overactivity", **Kaelin DL**; The Botulinum Neurotoxin and Muscle Overactivity Workshop, Atlanta, GA, 6/2008.
17. "Caring for the Vulnerable Patient: 'Wicked' Problems In Health Care Ethics Addressing Combat-Related Injuries", **Kaelin DL**; Atlanta, GA, 3/2009.
18. "Movement Disorders", **Kaelin DL**; Residents and Fellows Botulinum Toxin Educational Conference, Spasticity, Atlanta, GA, 3/2009.
19. "State of Neurorobotics in TBI", **Kaelin DL**; North American Neurorehabilitation Symposium, Atlanta, GA, 8/2010.
20. Neuro Anatomy Review, Jewish Hospital and St. Mary's Hospital Rehabilitation Nurse Certification and Annual Review, Frazier Rehabilitation and Neurosciences Center, Louisville, KY, 4/2012.
21. "Autonomica Dysreflexia", **Kaelin DL**; Louisville Emergency Medical Service In-Service. Louisville, KY, 7/2012.
22. "Botox for Upper Limb Spasticity (Elbow, Wrist, Fingers): Treating Common Presentations", **Kaelin DL** Lexington, KY, 8/2012.
23. "Botox for Upper Limb Spasticity (Elbow, Wrist, Fingers): Treating Common Presentations", **Kaelin DL**; Cincinnati, OH, 8/2012.
24. "Neuropharmacology in Brian Injury", **Kaelin DL**; KentuckyOne Health: Cognitive Rehabilitation on the Continuum of Recovery: The How To's. Louisville, KY, 9/2012.
25. "Acute Brain Injury Rehabilitation", **Kaelin DL**; Brain Injury of Kentucky Annual Summit. Louisville, KY, 3/2013.
26. "A No-Brainer: Keeping Sports Safe by Preventing Concussions and Injuries", **Kaelin DL**; Living Vital Series: Kentucky Science Center. Louisville, KY, 3/2013.

27. "Traumatic Brain Injuries", **Kaelin DL**; University of Louisville Hospital, Trauma Department. Louisville, KY, 7/2013.
28. Neuro Anatomy Review, Jewish Hospital and St. Mary's Hospital Rehabilitation Nurse Certification and Annual Review, Frazier Rehabilitation and Neurosciences Center, Louisville, KY, 11/2013.
29. "EMERGE Patients", **Kaelin DL**; Frazier Rehabilitation and Neurosciences Center, Louisville, KY, 6/2015.
30. "Traumatic Brain Injury", Kaelin MD.; Brain Health: Research, Challenges and Breakthroughs Colloquium, Louisville, KY, 6/2015.
31. "Rehabilitation and Pain Management of Spine Disorders", **Kaelin DL**; Spine Symposium, Louisville, KY, 9/2017.
32. "Lessons from the Bedside: Working with FMD Patients", **Kaelin DL**; Motor Retraining (MoRe) for Functional Movement Disorders: A Multidisciplinary Treatment Approach, Louisville, KY, 10/2017.
33. "Concussion: Diagnosis, Treatment and Return to Work Issues in TBI: Coma to Community", **Kaelin DL**; KOEMA Fall Conference, Louisville, KY 10/2017.

## 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.
13. Seel RT, Macciocchi S, Kreutzer JS, **Kaelin, DL**, and Katz DI: Diagnosing Major Depression Following Moderate to Severe Traumatic Brain Injury: Evidence-based Recommendations for Clinicians. *US Neurology*. 6(2):41-7, 2010.
14. **Kaelin DL**, Pitman R, Zafonte R: Posttraumatic Stress Disorder Versus Traumatic Brain Injury: Point / Counterpoint. *PM&R*. 2(11):1051-4, 2010.
15. Seel RT, Sherer M, Whyte J, Katz DI, Giacino JT, Rosenbaum A, Hammond FM, Kalmar K, Pape TL, Zafonte R, Biester RC, **Kaelin DL**, Kean J, Zasler N: Assessment Scales for Disorders of Consciousness: Evidence-Based Recommendations for Clinical Practice and Research. *Arch Phys Med Rehabil*. 91(12):1795-1813, 2010.
16. Seel RT, Macciocchi S, Kreutzer JS, **Kaelin DL**, and Katz DI: Diagnosing Major Depression Following Moderate to Severe Traumatic Brain Injury: Evidence-based Recommendations for Clinicians. *European Neurological Review*. 6(1):24-30, 2011.
17. Whyte J, Rajan R, Rosenbaum A, Katz D, Kalmar K, Seel R, Greenwald B, Zafonte R, Demarest D, Brunner R, **Kaelin DL**: Zolpidem and restoration of consciousness. *Am J Phys Med Rehabil*. 93(2):101-13, Feb. 2014.
18. Wu SS, Peck J, Weinstein SM, Arikan Y, Bell KR, **Kaelin DL**: Physiatry Practice Now and in 2032: How to Thrive in the Post-Health Care Reform World. *PM&R S1934-1482(14)01311-2*, Aug 2014.
19. Hammond FM, Barrett RS, Shea T, Seel RT, McAlister TW, **Kaelin DL**, Ryser DK, Corrigan JD, Cullen N, Hord SD: Psychotropic Medication Use During Inpatient Rehabilitation for Traumatic Brain Injury. *Archives of Physical Medicine And Rehabilitation*. 2015 Aug; 96(8 Suppl): S256-3 e14.
20. Jacob AE, Smith CA, Jablonski ME, Roach AR, Paper KM, **Kaelin DL**, Stretz-Thurmond D, LaFaver K: Multidisciplinary clinic functional movement disorders (FMD): 1-year experience from a single centre. *Journal of Neurology, Neurosurgery, and Psychiatry*. 2017; 0:1-2. Doi: 10.1136/jnnp-2017-316523.
21. Jacob AE, **Kaelin DL**, Roach AR, Ziegler CH, LaFaver K: Motor Retraining (MoRe) for Functional Movement Disorders: Outcomes from a 1-Week Multidisciplinary Rehabilitation Program. *The Official Journal of the American Academy of Physical Medicine and Rehabilitation*. 2018; 10:1164-1172. 10.1016/j.pmrj.2018.05.011.

## BOOK CHAPTERS

1. **Kaelin DL**, Bruno, A.: Management of Ischemic Stroke During the Subacute Period, Chapter in Management of Ischemic Stroke; Cohen, Stanley N., editor, McGraw-Hill, 2000.
2. **Kaelin DL**, Craig, E.: Traction and Manipulation, Chapter in Physical Medicine and Rehabilitation, The Complete Approach, Grabis, M. editor, Blackwell Science, 2000.
3. **Kaelin DL**: Thoracic Radiculopathy, Chapter in Essentials of Physical Medicine and Rehabilitation; Frontera, W.R., Silver, J.K., editors, Hanley and Belfus, 2002.
4. **Kaelin DL**: Dantrolene Sodium in the Management of Spasticity; WE MOVE Monograph, 2004.

5. Cifu D, **Kaelin DL**, Kowalske K, Lew H, Miller M, Ragnarsson K, Worsowicz G: Braddom's Physical Medicine & Rehabilitation, Fifth Edition, 2016.