

## Curriculum Vitae



**Vernon B. Williams, MD, F.A.A.N.**  
**Sports Neurology & Pain Medicine**  
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### Professional Positions

- 2/2021 – Present** *Commissioner*  
**California State Athletic Commission**
- 2/2020 – Present** *Chair, Neurological Health*  
**Medical Advisory Committee**  
**California State Athletic Commission**
- 1/2019 – Present** *Member/Advisor*  
**Opiate/Controlled Substance Steering Committee**  
**Cedars-Sinai Medical Network**
- 7/2018 – Present** *Team Neurologist*  
**Los Angeles Rams**  
**Los Angeles, CA**
- 8/2012 – Present** *Founding Director, Sports Neurology Fellowship*  
**Kerlan-Jobe Center for Sports Neurology and Pain Medicine**  
**Los Angeles, CA**
- 1/2011 – Present** *Founding Director, Center for Sports Neurology*  
**Kerlan-Jobe Orthopaedic Clinic**  
**Los Angeles, CA**
- 4/2010 – Present** *Chief Compliance Officer, Compliance Committee*  
**Kerlan-Jobe Orthopaedic Clinic**  
**Los Angeles, CA**
- 8/1997 - Present** *Director, Pain Management*  
**Kerlan-Jobe Orthopaedic Clinic**  
**Los Angeles, CA**
- 3/2015 – 1/2020** *Commissioner*  
**California State Athletic Commission**

**4/2014 – 5/2018**                      *Chair, Sports Neurology Section*  
**American Academy of Neurology**

**3/2015 – 8/2016**                      *Medical Director, Concussion Management*  
**LA2015 Special Olympics**

**2013 – 2016**                              *Team Neurologist*  
**Los Angeles Kiss Arena League Franchise**  
**Anaheim, CA**

**2000 – 2008**                              *Team Neurologist*  
**Los Angeles Avengers Arena League Franchise**  
**Los Angeles, CA**

### Education

**University of Michigan, Ann Arbor, MI**  
**Inteflex Accelerated Pre-Medical/Medical Program**  
M.D., School of Medicine, 1992  
B.S., Biomedical Sciences, 1989

### Post Graduate Training

**7/1996 – 6/1997**                      *Clinical Fellow*  
*Department of Anesthesiology and Critical Care*  
*Division of Pain Medicine*  
**Johns Hopkins Hospital**  
**Baltimore, MD**

**7/1993 – 6/1996**                      *Resident*  
*Department of Neurology*  
**University of Maryland Medical Center**  
**Baltimore, MD**

**7/1992 – 6/1993**                      *Intern*  
*Department of Internal Medicine*  
**Henry Ford Hospital**  
**Detroit, MI**

### Employment History

**3/2007 – 8/2014**                      *Chief Medical Officer*  
**Sports Concussion Institute**  
**Los Angeles, CA**

**3/2005 – 2/2007**                      *Director, Pain Management Clinic*  
**Sports Concussion Institute**

**Marina Del Rey, CA**

**1/1999 – 12/2005**

*Medical Director, HealthSouth Physical Therapy*  
**Integrated Medical Plaza**  
**Los Angeles, CA**

**7/1994 – 7/1997**

*Investigator/Staff Clinician*  
**Innovative Medical Research, Incorporated**  
**Towson, MD**

**7/1995 – 6/1996**

*Director of Medical Student Core Neurology Curriculum*  
*Department of Neurology*  
**University of Maryland Medical Center**  
**Baltimore, MD**

**7/1994 – 6/1996**

*Ethical Advisory Committee Member*  
**University of Maryland Medical Center**  
**Baltimore, MD**

**6/1991- 8/1991**

*Student Fellow of the American Heart Association*  
**Henry Ford Hospital/Wayne County Medical Examiner's Office**  
**Detroit, MI**

**5/1989 – 8/1989**

*Summer Fellow*  
*Department of Physical Medicine and Rehabilitation*  
**University of Michigan Medical Center**  
**Ann Arbor, MI**

**7/1984 – 8/1986**

*Research Assistant*  
*Department of Neurology*  
**Henry Ford Hospital**  
**Detroit, MI**

**Publications**

1. Charles Bernick, Tucker Hansen, Winnie Ng, Vernon Williams, Margaret Goodman, Bryce Nalepa, Guogen Shan & Tad Seifert (2020) **Concussion occurrence and recognition in professional boxing and MMA matches: toward a concussion protocol in combat sports**. *The Physician and Sportsmedicine*, December 2020
2. Bergeron, Landset, Mavgans, Williams, Collins, and Khoshgoftaar. **Machine Learning in Modeling High School Sport Concussion Symptom Resolve**. *Medicine & Science in Sports & Exercise*, June 2019
3. Williams VB, Stewart E, et al. **Sports Neurology As A Multidisciplinary Field**. In:

- Hainline B and Stern RA (Eds). *Sport Neurology*. San Diego: Elsevier BV, 2018: pp 11-20.
4. Williams, V. **A Historical Perspective on Sports Concussion: Where We Have Been and Where We Are Going**. CURRENT PAIN AND HEADACHE REPORTS, 2016; 20(6): 1-8
  5. Williams, V. **Emergencies in Sports Neurology**. CONTINUUM: LIFELONG LEARNING IN NEUROLOGY, 2014; 20: 1629-1644
  6. Williams V, Staats P. **Intrathecal Baclofen for the Management of Uncontrolled Spasticity**. PAIN DIGEST, 1998;8:158-165
  7. Williams V, Pappagallo M. **Entrapment Neuropathies**. In: Raja S (Ed.) Essentials of Pain medicine. Churchill-Livingstone, 1998
  8. Williams V, Pappagallo M. **Central Pain**. In: Raja S (Ed.) Essentials of Pain Medicine. Churchill-Livingstone, 1998
  9. **Cocaine Associated Intracranial Hemorrhage: Absence of Vasculitis in Fourteen Cases**. NEUROLOGY, 1996; 46:1741-1743

### Clinical Research

#### *As Primary Investigator:*

1. **A Multicenter Double Blind, Randomized, Placebo Controlled, Parallel Group Clinical study of the Safety, and Efficacy of Botox (Botulinum Toxin Type-A) Purified Neurotoxin Complex Injections Into Local Areas of Muscle Spasm in Subjects With Chronic Low Back Pain**. Kerlan-Jobe Orthopedic Clinic. Los Angeles, CA; 1999
2. **Phase II, Double Blind, Placebo Controlled, Parallel, Four Week Evaluation of Efficacy and Safety of Multiple Doses of CJ-13,974 in Subjects With Moderate to Severe Chronic Back Pain**. Kerlan-Jobe Orthopedic Clinic. Los Angeles, CA; 1998
3. **A Multicenter, Double-Blind, Placebo Controlled, Parallel Group, Study of Two Dose Levels of Oral Eletriptan and Two Dose Levels of Oral Sumatriptan For The Acute Treatment of Migraine**. Innovative Medical Research. Baltimore, MD; 1996
4. **Two-Period Crossover Comparison of Rizatriptan (5mg p.o. and 10mg p.o.) To Sumatriptan (25mg p.o. and 50mg p.o.)** Innovative Medical Research. Baltimore, MD; 1996
5. **A Randomized, Double-Blind, Placebo-Controlled, Twelve Month Safety and Efficacy Trial of 120, 240, and 360mg TID of Idebenone (CV-2619) In Patients With Probable Alzheimer's Disease**. Innovative Medical Research. Baltimore, MD; 1996
6. **Protocol for a multicenter, long-term study to maximize migraine relief with 311C90 (MAXIMM)**. Innovative Medical Research. Baltimore, MD; 1996

***As Sub-Investigator:***

1. **Prediction of Sport Concussion Symptom Resolve Time in High School Athletes Using Machine Learning.** Bergeron, Landset, Maugans, Williams, Collins, Wasserman, and Khoshgoftaar. 2018
2. **A randomized, parallel, double-blind, double-dummy, placebo-controlled study to determine the onset of action of PHZ 136 and Motrin IB in patients with acute muscle-contraction (tension) headache.** Innovative Medical Research. Baltimore, MD; 1996
3. **The efficacy and safety of Alniditan (1.4 0r 1.8mg SC) vs. Sumatriptan (6mg SC) in the acute treatment of migraine: a randomized, double-blind, placebo controlled single-dose trial.** Innovative Medical Research. Baltimore, MD; 1996
4. **A randomized, double-blind, placebo-controlled, parallel group, multicenter, single-dose, dose-range-finding study to assess the efficacy and tolerability of VML 251 in the acute treatment of migraine.** Innovative Medical Research. Baltimore, MD; 1996
5. **An open, multicenter study to evaluate the safety of a recombinant DNA-expressed protein vaccine for Lyme disease in subjects previously enrolled in Lyme 008 and 005 studies.** Innovative Medical Research. Baltimore, MD; 1996
6. **A clinic initiated, double-blind, placebo-controlled, multicenter study to assess the safety and efficacy of topical *n*-docosanol 10% cream (Lidakol) in patients with early stage episodes of acute, recurrent herpes labialis.** Innovative Medical Research. Baltimore, MD; 1996
7. **An active comparator-controlled, parallel-group, one year, double-blind study, conducted under in-house blinding conditions, to assess the safety and efficacy of MK-0966 vs. diclofenac sodium in patients with osteoarthritis of the knee or hip.** Innovative Medical Research. Baltimore, MD; 1996
8. **A randomized, parallel, double-blind, placebo-controlled study to determine the onset of action of Excedrin Extra Strength and Advil in episodic tension-type headache pain.** Innovative Medical Research. Baltimore, MD; 1995
9. **A single-center, double blind, randomized, parallel-group, single dose, placebo-controlled study to evaluate safety and effectiveness of Excedrin Extra Strength in alleviating the headache pain of an acute migraine attack.** Innovative Medical Research. Baltimore, MD; 1995
10. **Evaluation of the protective efficacy, safety, and immunogenicity of a recombinant DNA-expressed protein vaccine for Lyme disease in healthy subjects.** Innovative Medical Research. Baltimore, MD; 1995
11. **A clinic initiated longitudinal study entitled Assessing Migraine Severity II: Identifying Migraneurs Most in Need of Care.** Innovative medical Research. Baltimore, MD; 1994

**Lecture Activities & Poster Presentations**

***CME/Continuing Education Lectures:***

1. California Athletic Trainer's Association  
**Concussion: Foundational Principles and Interesting Updates**  
Clinical Symposium and Leadership Conference  
Invited Lecture  
(11<sup>th</sup> Annual/Virtual Meeting 2021)
2. Kerlan-Jobe Orthopaedic Foundation  
**Concussion: Foundational Principles and 2020 Updates**  
Sports Medicine Lecture Series  
Invited Lecture  
Los Angeles, CA 2020
3. American Academy of Neurology Sports Concussion Conference  
**When Is It Time To Recommend An Athlete Retire From Contact Sports?**  
Invited Panel Speaker  
Indianapolis, IN 2019
4. American Academy of Neurology Sports Concussion Conference  
**Sideline Evaluation and Management: Observable Signs**  
Invited Lecturer  
Indianapolis, IN 2019
5. Occidental College Sports Medicine Conference  
**Sleep and Performance in Athletics and Academics**  
Invited Lecture  
Eagle Rock, CA 2019
6. American Academy of Neurology Annual Meeting  
**Event Coverage Foundational Skills and Sport Specific Pearls**  
Program Director  
Philadelphia, PA 2019
7. American Academy of Neurology Annual Meeting  
Sports Concussion Skills Workshop  
Lecturer  
Philadelphia, PA 2019  
**Event Coverage Foundational Skills**
8. Center for Occupational and Environmental Health Conference  
U-C Davis/U-C Berkely Annual Conference  
Invited Lecture  
Berkeley, CA 2019  
**Concussion and mTBI in the Workplace**

9. Kerlan-Jobe Center for Sports Neurology Conference  
Invited Lecture  
Los Angeles, CA 2019  
**Field and ED Management of Moderate and Severe TBI**
10. Kerlan-Jobe Orthopaedic Foundation  
Sports Medicine Lecture Series  
Invited Lecture  
Los Angeles, CA 2018  
**Concussion Management**
11. AAN Sports Concussion Conference  
Chronic Sequelae of Concussion and Repetitive Head Impact  
Invited Lecture  
Indianapolis, IN 2018  
**The Black Hole of Post-Concussion Syndrome**
12. AAN Sports Concussion Conference  
Concussion Boot Camp  
Invited Lecture  
Indianapolis, IN 2018  
**Pre-Participation/Baseline Evaluation and Tools**
13. Cedars-Sinai Resident Education Series  
TBI and Sports Neurology II  
Invited Lecture  
Los Angeles, CA 2018  
**Sporting Emergencies Affecting the Neuroaxis**
14. Cedars-Sinai Resident Education Series  
TBI and Sports Neurology I  
Invited Lecture  
Los Angeles, CA 2018  
**Concussion Discussion**
15. American Academy of Neurology Annual Meeting  
**Sports Concussion Skills Workshop**  
**Event Coverage Foundational Skills and Sport Specific Pearls**  
Program Director  
Los Angeles, CA 2018
16. American Academy of Neurology Annual Meeting  
Sports Concussion Skills Workshop  
Lecturer  
Los Angeles, CA 2018  
**Administrative and Emergency Action Plan Skills**
17. American Academy of Neurology Annual Meeting

Sports Concussion Skills Workshop  
Lecturer  
Los Angeles, CA 2018  
**Court Sport Cases and Pearls**

18. American Academy of Neurology Annual Meeting  
Concussion Management Series  
Invited Lecturer  
Los Angeles, CA 2018  
**Symptom-Targeted Concussion Treatment in Acute, Subacute, and Chronic Phases**
19. Society for Brain Mapping & Therapeutics World Congress  
Invited Lecture  
Los Angeles, CA 2018  
**Integrated Technologies in Monitoring Brain Health and Performance**
20. University of Maryland Department of Neurology  
Grand Rounds/Visiting Lecture Series  
Invited Lecture  
Baltimore, MD 2018  
**Sports Neurology: Emergency Time-Out on the Field**
21. University of Maryland Department of Neurology  
Resident Teaching Rounds  
Invited Presentation  
Baltimore, MD 2018  
**Continuum of Care in Concussion**
22. Kerlan-Jobe Orthopaedic Foundation  
Sports Neurology Lecture Series  
Invited Lecture  
Los Angeles, CA 2018  
**Sleep in Sports Neurology: Concussion and Performance-Related Concepts**
23. Western Occupational & Environmental Medical Association  
CME Webinar Series  
Invited Lecture  
Los Angeles, CA 2017  
**Management of Concussion & Post-Concussion Syndrome in the Workplace**
24. Kerlan-Jobe Orthopaedic Foundation  
Sports Medicine Lecture Series  
Invited Lecture  
Los Angeles, CA 2017  
**On-Field and Clinical Management of Concussion**
25. American Academy of Neurology Sports Concussion Conference



Invited Lecture  
Jacksonville, FL 2017  
**Point/Counterpoint: Contact Sports in Youth**

26. American Academy of Neurology Sports Concussion Conference  
Poster Presentation  
Jacksonville, FL 2017  
**Asymptomatic Professional Motocross Rider with Diffuse Axonal Injury: A Case Report**
  
27. American Academy of Neurology Annual Meeting  
Lecturer  
Boston, MA 2017  
**Concussion-Specific Interventional Skills**
  
28. American Academy of Neurology Annual Meeting  
Program Director  
Boston, MA 2017  
**Sports Concussion Skills Pavilion II**
  
29. American Academy of Neurology Annual Meeting  
Lecturer  
Boston, MA 2017  
**Emergency Action Programs in Sports**
  
30. American Academy of Neurology Annual Meeting  
Program Director  
Boston, MA 2017  
**Sports Concussion Skills Pavilion I**
  
31. Team HEAL/LAUSD Coaches Education Program  
Concussion Symposium  
Invited Lecture  
Los Angeles, CA 2017  
**Mechanics of Concussion**
  
32. Regenerative Medicine Institute Symposium  
Regeneration and Neurological Trauma  
Invited Lecture  
Los Angeles, CA 2017  
**Sports Concussion: What We Know...and Wish We Knew**
  
33. Henry Ford Hospital Department of Neurology  
Resident Lecture Series  
Invited Lecture  
Detroit, MI 2016  
**Position Statements, Consensus, and Guidelines: Necessary, but Insufficient to Manage Concussion**

34. Henry Ford Hospital Department of Neurology  
Grand Rounds/Visiting Lecture Series  
Invited Lecture  
Detroit, MI 2016  
**Gridiron: Football, Concussion, and Relationships to Brain Health and Injury**
35. California Physical Therapy Association  
Concussion Symposium  
Invited Lecture  
Long Beach, CA 2016  
**Clinical Aspects of Concussion and Emerging Therapies**
36. 5<sup>th</sup> International Consensus Conference on Concussion in Sports  
Poster Presentation  
Berlin, Germany 2016  
**Utilization of Brain Network Activation in the Concussed Athlete: A Case Series**
37. California Physical Therapy Association  
Concussion Symposium  
Invited Lecture  
Long Beach, CA 2016  
**Concussion Skills Lab**
38. Detroit Medical Center Sports Medicine  
Grand Rounds/Visiting Lecture Series  
Invited Lecture  
Detroit, MI 2016  
**Concussion: Content, Concepts, and Context**
39. Detroit Medical Center Sports Medicine  
Grand Rounds/Visiting Lecture Series  
Invited Lecture  
Detroit, MI 2016  
**Emerging Therapies in Concussion**
40. Detroit Medical Center Sports Medicine  
Skills Lab  
Invited Skills Lab Director  
Detroit, MI 2016  
**Alphabet Soup: BNA in PCS and RTP**
41. Kerlan-Jobe Orthopaedic Foundation  
Sports Medicine Lecture Series  
Invited Lecture  
Los Angeles, CA 2016

## **Concussion Discussion: Content, Concepts, and Context**

42. National Medical Association  
114th Annual Convention and Scientific Assembly  
Mazique Symposium  
Los Angeles, CA 2016  
**History of Concussion and Emerging Therapies in Athletes**
43. American Academy of Neurology Sports Concussion Conference  
Invited Lecture  
Chicago, IL 2016  
**The Sports Neurologists Role in Professional Sports**
44. American Academy of Neurology Sports Concussion Conference  
Invited Lecture  
Chicago, IL 2016  
**Emerging Therapies in Clinical Concussion Management**
45. American Academy of Neurology Sports Concussion Conference  
Poster Presentation  
Chicago, IL 2016  
**Case Report: Brain Network Activation Utilization in a Concussed Athlete**
46. UCLA MLK Remembrance Day  
Invited Panelist  
Los Angeles, CA 2016  
**Brain Injuries in Youth Sports: Why You Should Care**
47. American Academy of Neurology Annual Meeting  
Course Director  
Vancouver, B.C. 2016  
**Sports Concussion Skills Pavilion/Workshop I**
48. American Academy of Neurology Annual Meeting  
Lecture  
Vancouver, B.C. 2016  
**Athlete/Player Down: Catastrophic and Immediate Pre-Surgical Care**
49. American Academy of Neurology Annual Meeting  
Course Director  
Vancouver, B.C. 2016  
**Sports Concussion Skills Pavilion/Workshop II**
50. American Academy of Neurology Annual Meeting  
Co-Course Director  
Vancouver, B.C. 2016  
**Controversies in Sports Neurology**

51. Rest vs. Active Intervention After Concussion: Next Steps  
Lecture  
Vancouver, B.C. 2016  
**Rest vs. Active Intervention After Concussion: Next Steps**
52. Lewis Yocum Memorial Baseball Medical Conference  
Invited Lecture  
Los Angeles, CA 2015  
**Update on Concussion**
53. Western Occupational & Environmental Medical Association  
Invited Lecture  
Tucson, AZ 2015  
**Clinical Approach to Workers with Post Concussion Syndrome**
54. Konkussion International Multidisciplinary Retreat  
Sports Consultant/White Paper Author  
Toronto, Canada 2015  
**Solving the Concussion Crisis: Practical Solutions**
55. Global Conference on Medicine and Health in Sport  
Moderator and Keynote Speaker  
Long Beach, CA 2015  
**Position Statements, Consensus and Guidelines: Necessary, But Insufficient to Manage Concussion**
56. University of Michigan NeuroSport “All Eyes On Concussion” Conference  
Invited Lecture  
Ann Arbor, MI 2015  
**Concussion: Beyond the Consensus Statement**
57. Sports Concussion Institute Annual Summit on Concussion  
Invited Lecture  
Los Angeles, CA 2015  
**Telemedicine in the Management of Concussion**
58. American Academy of Neurology Annual Meeting  
Skills Pavilion Instructor  
Washington, D.C. 2015  
**Evaluating the Potentially Concussed Athlete**
59. American Academy of Neurology Annual Meeting  
Moderator and Presenter  
Washington, D.C. 2015  
**Highlights in the Field of Sports Neurology**
60. Kerlan-Jobe Orthopaedic Foundation  
Sports Medicine Lecture Series

Invited Lecture  
Los Angeles, CA 2014  
**Update on Sports Related Concussion**

61. Occidental College Faculty Lecture Series  
Speaker  
Eagle Rock, CA 2014  
**Concussion on Campus: Using Physiology and Clinical Assessments to Inform Academic Accommodations**
62. Howard University Football Safety Research Workshop  
Program Director and Speaker  
Washington, D.C. 2014  
**Sports Neurology in Underserved Communities: Resource-Dependent Application of State of the Art Technologies and Best Practices**
63. American Academy of Neurology Sports Concussion Conference  
Lecture  
Chicago, IL 2014  
**Clinical Approach to Patients With Post-Concussion Syndrome**
64. American Academy of Neurology Annual Meeting  
Program Director and Speaker  
Philadelphia, PA 2014  
**Sports Concussion and Other Mild Concussive Injuries**
65. California Physical Trainer Association Annual Meeting  
Lecture  
Pasadena, CA 2013  
**Concussion Clinical Management Essentials**
66. California Physical Trainer Association Annual Meeting  
Lecture  
Pasadena, CA 2013  
**Pathophysiology of Concussion**
67. California Physical Trainer Association Annual Meeting  
Lecture  
Pasadena, CA 2013  
**Return to Play/School/Work After Concussion**
68. Case Manager, Claims Adjuster, Risk Manager, Investigator, and Attorney Event  
Lecture  
Sherman Oaks, CA 2013  
**Waiting for Forever: Benign Neglect, Permanent Disability and Future Medical Care in Concussion**
69. Kerlan-Jobe Orthopaedic Foundation

Sports Medicine Lecture Series  
Invited Lecture  
Los Angeles, CA 2013  
**Sports Related Concussion**

70. Sports Concussion Institute Annual Summit on Concussion  
Lecture  
Atlanta, GA 2013  
**Hysteria vs. Science: Long Term Concussion Risk in Youth**
71. American Academy of Neurology Annual Meeting  
Program Director and Speaker  
San Diego, CA 2013  
**Sports Concussion and Other Mild Concussive Injuries**
72. American Academy of Neurology Annual Meeting  
Program Speaker  
San Diego, CA 2013  
Integrated Neuroscience Symposium  
**Sports Neurology**
73. Los Angeles Neurological Society Meeting  
Invited Lecturer  
Los Angeles, CA 2012  
**Introduction and Update on Sports Neurology**
74. Kerlan-Jobe Orthopaedic Foundation  
Sports Medicine Lecture Series  
Invited Lecture  
Los Angeles, CA 2012  
**Sports Related Concussion**
75. Sports Concussion Institute Annual Summit on Concussion  
Moderator and Lecturer  
Los Angeles, CA 2012  
**Post-Concussion Headache Management**
76. American Academy of Neurology Annual Meeting  
Program Director and Speaker  
New Orleans, LA 2012  
**Sports Neurology**
77. Ossur Academy: Current Concepts in Sports Medicine  
Invited Lecture  
Long Beach, CA 2012  
**Return to Play After Concussion**
78. Select PT New Horizons in Sports Medicine  
Invited lecture  
Los Angeles, CA 2011  
**Concussion – Current Understanding of Mechanisms & Management**

79. Kerlan-Jobe Orthopaedic Foundation  
Sports Medicine Lecture Series  
Invited Lecture  
Los Angeles, CA 2011  
**Sports Related Concussion**
  
80. Sports Concussion Institute Annual Summit on Concussion  
Moderator and Speaker  
Los Angeles, CA 2011  
**Pain Management in Athletes**
  
81. American Academy of Neurology Annual Meeting  
Program Director and Speaker  
Honolulu, HI 2011  
**Sports Neurology**
  
82. Kerlan-Jobe Orthopaedic Foundation  
Sports Medicine Lecture Series  
Invited Lecture  
Los Angeles, CA 2010  
**Sports Related Concussion**
  
83. Sports Concussion Institute Annual Summit on Concussion  
Moderator and Lecturer  
Marina Del Rey, CA 2010  
**Brachial Plexus Injury, Stingers, and Return to Play**
  
84. Worker's Compensation and Attorney CME Conference  
Invited Lecturer  
Woodland Hills, CA 2010  
**Chronic Pain: Where Does it Really Hurt?**
  
85. Worker's Compensation Attorney CME  
Invited Lecture  
Pasadena, CA 2010  
**Evaluating Patients With Sub-Acute and Chronic Pain**
  
86. American Orthopedic Society for Sports Medicine Annual Meeting  
Invited Lecture  
Providence, RI 2010  
**Update on Concussion**
  
87. Sports Concussion Institute Annual Summit on Concussion  
Co-Chair and Speaker  
Marina Del Rey, CA 2009  
**Evaluation and Management of Headache in Concussion**
  
88. Kerlan-Jobe Orthopaedic Foundation  
Sports Medicine Lecture Series

Invited Lecture  
Los Angeles, CA 2009  
**Sports Related Concussion**

89. CNA Worker's Compensation Symposium  
Invited Lecture  
Los Angeles, CA 2009  
**Head Injuries in the Workplace**

90. SEIU-UHW and Joint Employer Education Fund  
Invited Lecture  
Los Angeles, CA 2009  
**Neuropathic Pain Mechanisms**

91. Kerlan-Jobe Orthopaedic Foundation  
Sports Medicine Lecture Series  
Invited Lecture  
Los Angeles, CA 2008  
**Science and Art in Concussion Management**

92. State Compensation Insurance Fund Symposium  
Invited Lecture  
Glendale, CA 2008  
**Pain Management: Basic, Problems, and Solutions**

93. Sports Concussion Institute Annual Summit on Concussion  
Plenary Session Lecture  
Marina Del Rey, CA 2008  
**Concussion Management: Beyond Waiting and Watching**

94. Sports Concussion Institute Annual Summit on Concussion  
Clinical Management Track Lecture  
Marina Del Rey, CA 2008  
**Pain and Neurobehavioral Disorders in Concussed Athletes**

95. Harbor UCLA Medical Center Grand Rounds  
Department of Neurology  
Harbor City, CA 2008  
**Management of Neuropathic Pain**

96. American Academy of Neurology Annual Meeting  
Program Director and Speaker  
Toronto, Canada 2007  
**Pharmacotherapy for Pain**

97. Kerlan-Jobe Orthopaedic Clinic Worker's Compensation Update  
Symposium Co-Director and Speaker  
Culver City, CA 2007  
**Pain Management in Worker's Compensation**

98. Sports Concussion Institute Annual Summit on Concussion



Plenary Session Speaker  
Marina Del Rey, CA 2007  
**Clinical Management of Concussion**

99. American Orthopedic Society for Sports Medicine  
21<sup>st</sup> Annual Kerlan-Jobe Alumni Research Conference  
Invited Lecture  
Calgary, Alberta Canada 2007  
**Pain Management in the Setting of Outpatient Surgery**
100. Cedars-Sinai Medical Center Grand Rounds  
Department of Neurosurgery  
Invited Lecture  
Los Angeles, CA 2007  
**Neurologic Approach to Pain Management**
101. Kerlan-Jobe Orthopaedic Foundation  
Sports Medicine Lecture Series  
Invited Lecture  
Los Angeles, CA 2007  
**Sports Concussion: Update and Controversies**
102. Crenshaw High School  
Health, Safety, Athletic Training Course  
Invited Lecture  
Los Angeles, CA 2007  
**Sports Related Concussion: Overview, Update, Controversies and Unknowns**
103. Long Beach Bar Association  
Invited Lecture  
Catalina Island, CA 2007  
**A Neurological Approach to Pain and Head Injury**
104. American Academy of Neurology Annual Meeting  
Program Director and speaker  
San Diego, CA 2006  
**Pharmacotherapy for Pain**
105. Kerlan-Jobe Orthopaedic Clinic Worker's Compensation Update  
Symposium Co-Director and Speaker  
Los Angeles, CA 2005  
**Thoracic Outlet Syndrome**
106. Kerlan-Jobe Worker's Compensation Symposium  
Panel Lecture  
Culver City, CA 2003  
EMG, NCV, MRI, MRN, QST, SSEP:  
**Neurodiagnostic Testing in the Upper Extremity (The Alphabet Paradox)**
107. Centinela Hospital Medical Center Retreat & CME Conference

Invited Lecture  
La Jolla, CA 2002  
**Pain Management**

108. Kerlan-Jobe Orthopaedic Clinic Worker's Compensation Symposium  
Panel Lecture  
Culver City, CA 2001  
**Thoracic Outlet Syndrome**
109. Kerlan-Jobe Orthopaedic Clinic Worker's Compensation Symposium  
Panel Lecture  
Beverly Hills, CA 2000  
**Practical Choices and Non-Surgical Pain Management**

***Community and Non-CME Lectures:***

1. Occidental College Faculty Presentation  
Invited Lecture  
Los Angeles, CA 2018  
**Concussion and Academic Accommodations in the Collegiate Athlete**
2. LA 84 Foundation  
Invited Panelist  
Los Angeles, CA 2017  
**The State of Youth and High School Football in Los Angeles County**
3. Dodger Foundation RBI Program  
Community Education  
Los Angeles, CA 2017  
**Dodger Day Education: Concussion and Performance**
4. Lott Impact Trophy  
Community Education  
Newport Beach, CA 2017  
**Concussion Awareness, Injury Prevention, and Hydration**
5. National Council on Youth Sports Safety  
Invited Speaker  
Los Angeles, CA 2014  
**PASS National Tour: Community Huddle on Concussion Culture of Injury Prevention and Care Around Coaching**
6. Palos Verdes High School  
Invited Speaker  
Palos Verdes, CA 2013  
**Sports Neurology and Concussion Prevention**
7. Inaugural 2<sup>nd</sup> MD Informational Webinar

Keynote Lecture  
Los Angeles, CA 2013  
**Youth Concussion: Protect Your Child's Brain**

8. LA84 Foundation Conference: Should Children Play Tackle Football  
Panel Speaker/Moderator  
Los Angeles, CA 2013  
**Youth Football Head Injuries: What Do We Know**
9. Pop Warner Los Angeles County Health and Safety Meeting  
Palos Verdes Football & Cheer  
Invited Lecturer  
Palos Verdes, CA 2013  
**Concussion in Youth Football**
10. American Brain Foundation  
Panel Speaker  
San Diego, CA 2013  
Brain Health Fair  
**Update on Brain Injury/Concussion**
11. Kerlan-Jobe Spine Center & Marina Hospital Seminar Series  
Community Lecture  
Manhattan Beach, CA 2013  
**Change Your Brain to Change Your Pain**
12. Pop Warner Los Angeles County Health and Safety Meeting  
Palos Verdes Football & Cheer  
Invited Lecturer  
Palos Verdes, CA 2012  
**Concussion in Youth Football**
13. Kerlan-Jobe Spine Center & Marina Hospital Seminar Series  
Community Lecture  
Culver City, CA 2012  
**Change Your Brain to Change Your Pain**
14. LA84 Foundation Coaches Education Meeting  
Invited Lecture  
Los Angeles, CA 2012  
**Concussion in Youth Sports**
15. Kerlan-Jobe Spine Center & Marina Hospital Seminar Series  
Community Lecture  
Manhattan Beach, CA 2012  
**Non-Operative Management Pain Management**
16. Harvard-Westlake School Sports Medicine  
Invited Lecture – Athletic Training Staff  
Studio City, CA 2012

## **Concussion In High School Athletes**

17. Palos Verdes High School  
Invited Lecture – Athletes/Parents  
Palos Verdes Estates, CA 2012  
**Concussion in High School Athletes**
18. Pop Warner Health and Safety Meeting  
Invited Lecture – Team Parents/Coaches  
Rancho Palos Verdes, CA 2011  
**Youth Sports Concussion Management**
19. Kerlan-Jobe Spine Center & Marina Hospital Seminar Series  
Community Lecture  
Santa Monica, CA 2011  
**A Sports Neurologist's Approach to Spine & Pain Management**
20. Palos Verdes High School  
Invited Lecture – Athletes/Parents  
Palos Verdes Estates, CA 2011  
**Concussion in High School Athletes**
21. Pop Warner Health and Safety Meeting  
Invited Lecture – Team Parents/Coaches  
Rancho Palos Verdes, CA 2010  
**Youth Sports Concussion Management**
22. Riviera Sports Physical Therapy and ATC  
Invited Lecture – League Athletic Trainers  
Redondo Beach, CA 2010  
**Acute Concussion Management**
23. Kerlan-Jobe Spine Center & Marina Hospital Seminar Series  
Community Lecture  
Torrance, CA 2010  
**Pain Management 2010: Concepts and Practical Techniques**
24. Kerlan-Jobe Spine Center & Marina Hospital Seminar Series  
Community Lecture  
Garden Grove, CA 2010  
**Pain Management 2010: Concepts and Practical Techniques**
25. Kerlan-Jobe Spine Center Marina Hospital Seminar Series  
Community Lecture  
Manhattan Beach, CA 2009  
**Non-Surgical Management of Spine Pain**
26. Kerlan-Jobe Spine Center Marina Hospital Seminar Series  
Community Lecture  
Manhattan Beach, CA 2008  
**Best Approach to Spine Pain Management**

27. Kerlan-Jobe Spine Center & Marina Hospital Seminar Series  
Community Lecture  
Torrance, CA 2008  
**Non-Surgical Management of Back and Chronic Pain**

28. Kerlan-Jobe Spine Center & Marina Hospital Seminar Series  
Community Lecture  
Irvine, CA 2008  
**Non-Surgical Management of Back and Chronic Pain**

### Consulting Activities

#### *Sports Neurology:*

|                   |   |
|-------------------|---|
| 6/2018 – Present  | Pure Sports Recovery                      |
| 5/2014 – Present  | Los Angeles Rams                          |
| 8/2014 – Present  | University of Wyoming                     |
| 8/2014 – Present  | El Camino College                         |
| 1/2014 – Present  | Los Angeles KISS                          |
| 1/2014 – Present  | NFLPA Collegiate Bowl Medical Staff       |
| 1/2013 - Present  | USOC Olympic Medical Center of Excellence |
| 10/1997 - Present | Los Angeles Lakers                        |
| 10/1997 - Present | Los Angeles Dodgers                       |
| 10/1997 - Present | Los Angeles Kings                         |
| 10/1997 - Present | Los Angeles Sparks                        |
| 10/1997 - Present | Los Angeles Angels of Anaheim             |
| 10/1997 - Present | Anaheim Ducks                             |
| 10/1997 - Present | Loyola University                         |
| 07/2013 - Present | Occidental College                        |
| 8/2011 - Present  | Palos Verdes High School                  |
| 8/2009 - Present  | Harvard-Westlake School                   |
| 10/1997 - Present | Crenshaw High School                      |
| 4/2005 - Present  | Banning High School                       |
| 4/2005 - Present  | Carson High School                        |
| 4/2010 - Present  | Westchester High School                   |
| 8/2001 - Present  | Fullerton College                         |
| 1/2010 - 9/2011   | All-American Heavyweights                 |
| 3/2000 - 4/2009   | Los Angeles Avengers                      |

1/ 2006 - 12/2006 “The Contender” Reality Boxing television series

***Pain Medicine:***

9/2014 – Present Alignmed, Inc.  
1/2008 - Present Cephalon, Inc.  
2/2007 - Present Pfizer, Inc.  
3/2001 - 12/2006 Frontier Medical, Inc.  
1/2000 - 10/2005 Hayes’ Plus Inc.  
1/2000 - 9/2004 Merck, Inc.

**Editorial Board**

3/2011 - Present Frontiers in Sports Neurology

**Professional Memberships**

1/2013 – Present American College of Sports Medicine  
11/2012 – Present North American Brain Injury Society  
8/2012 - Present International Neuromodulation Society  
8/2012 - Present North American Neuromodulation Society  
1/2006 - Present California Society of Interventional Pain Physicians  
1/2005 - Present American Society of Interventional Pain Physicians  
7/1997 - Present American Academy of Neurology  
10/1997 – 11/2006 International Spinal Injection Society

**Board Memberships**

9/2019 – Present Neurolign Scientific Advisory Board  
6/2016 – Present Black Brain Health Scientific Advisory Board  
6/2016 – Present El Minda Scientific Advisory Board  
1/2000 – Present Kerlan-Jobe Orthopaedic Foundation Board of Directors  
1/2001 – Present Team HEAL Board of Directors  
1/2010 – 12/2010 Elite Sports Performance Advisory Board  
1/2007 – 12/2009 Velocity Sports Performance Redondo Beach Advisory Board

## **Certification and Licensure**

American Board of Psychiatry and Neurology

Medical Board of California: License # G84209

DEA Certification - Opioid Withdrawal w/Buprenorphine