

CURRICULUM VITAE
MICHAEL D. FREEMAN

March 2021

ADDRESS

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EDUCATION

Doctor of Medicine (MedDr)
Faculty of Medicine, Umeå University, Umeå, Sweden

Doctor of Philosophy (PhD) Public Health/ Epidemiology
Oregon State University, Corvallis, Oregon

Master of Science in Forensic Medical Science (MScFMS)
Academy of Forensic Medical Sciences, London, England
University of Verona, Verona, Italy

Master of Public Health (MPH), Epidemiology/ Biostatistics
Oregon State University, Corvallis, Oregon

Doctor of Chiropractic (DC)
University of Western States, Portland, Oregon

Bachelor of Science (BS) General Science
University of Oregon, Eugene, Oregon

FORENSIC MEDICINE QUALIFICATION

Member, Faculty of Forensic and Legal Medicine (MFFLM)
Royal College of Physicians, London, United Kingdom, 2021 to present

Diploma of Legal Medicine (DLM)
Faculty of Forensic and Legal Medicine
Royal College of Physicians, London, United Kingdom, 2019 to present

FELLOWSHIPS

Fulbright Specialist Roster
Bureau of Educational and Cultural Affairs and World Learning,
United States Department of State, 2017-2020 tenure

Postdoctoral Fellowship
Forensic Pathology
Section of Forensic Medicine, Department of Community Medicine and Rehabilitation,
Umeå University, Umeå, Sweden, 2014-2015

ACADEMIC POSITIONS

Regular Faculty Appointments

Associate Professor of Forensic Medicine – 2018 (permanent tenured appointment)

Maastricht University Medical Centre+
CAHPRI Research Institute for Public Health and Primary care
Faculty of Health, Medicine, and Life Sciences
Maastricht, The Netherlands

Associate Professor of Forensic Medicine – 2015 to 2018

CAPHRI School for Public Health and Primary Care
Maastricht University Medical Center+
Maastricht, The Netherlands

Clinical and Affiliate Appointments

Joint Clinical Professor, Psychiatry and Public Health & Preventive Medicine – 2016 to present

Department of Psychiatry
School of Medicine, Oregon Health & Science University
Portland, Oregon

Affiliate Professor of Epidemiology – 2010 to 2015

Department of Public Health and Preventive Medicine
School of Medicine, Oregon Health & Science University
Portland, Oregon

Affiliate Professor of Psychiatry – 2011 to present

Department of Psychiatry
School of Medicine, Oregon Health & Science University
Portland, Oregon

Clinical/Affiliate Associate Professor – 2005-10

Department of Public Health and Preventive Medicine
School of Medicine, Oregon Health & Science University
Portland, Oregon

Clinical Assistant Professor – 1997-2005

Department of Public Health and Preventive Medicine
School of Medicine, Oregon Health & Science University
Portland, Oregon

Visiting Professorships

Visiting Professor of Medical Science – August 2020-April 2021

Faculty of Medicine, University of Indonesia
Jakarta, Indonesia

Adjunct Appointments

Adjunct Professor of Forensic Epidemiology and Traumatology – 2012-17

Department of Forensic Medicine
Faculty of Health Sciences, Aarhus University
Aarhus, Denmark

Adjunct/Honorary Associate Professor of Epidemiology and Traumatology – 2012-17

Department of Forensic Medicine
Faculty of Health Sciences, Aarhus University
Aarhus, Denmark

Adjunct Associate Professor of Forensic Medicine and Epidemiology – 2005-12

Institute of Forensic Medicine
Faculty of Health Sciences, Aarhus University
Aarhus, Denmark

Adjunct Professor – 2015-16.

University of Western States
Portland, Oregon

EDITORIAL ACTIVITIES

Lead Guest Editor, Special Issue on Forensic Epidemiology:

International Journal of Environmental Research and Public Health, 2020

Co-Editor in Chief:

Journal of Whiplash-Related Disorders 1999-2006

Associate Editor:

BMC Musculoskeletal Disorders, 2019-present

The Spine Journal 2007-present

PM&R, official scientific journal of the American Academy of Physical Medicine and Rehabilitation, 2008-present

Scandinavian Journal of Forensic Medicine, 2012-present

J of Forensic Biomechanics, 2010-present

OA Epidemiology, 2014

Editorial Board Member:

International Journal of Environmental Research and Public Health, 2019 to present

Forensic Science International Reports, 2019 to present

Orthopedics, 2019 to present

Top 10 Reviewer 2019, *Orthopedics*

The Spine Journal, 2004 to present

International Research Journal of Medicine and Medical Sciences, 2015

Egyptian Journal of Forensic Sciences, 2010 to present

Journal of Case Reports in Practice 2014 to present

Austin Journal of Public Health & Epidemiology 2014-2016

Edorium Journal of Public Health, 2014

Advisory Board Member:

Challenges 2020-present

Editorial Committee Member:

Spine 2004-2009

Peer reviewer:

Journal of Vascular and Interventional Radiology

BMC Musculoskeletal Disorders

BMC Public Health

BMC Research Notes

Annals of Epidemiology (outstanding reviewer status 2015)

Orthopedics

Spine

The Spine Journal

Lancet

Mayo Clinic Proceedings

Annals of Biomechanical Engineering

Journal of the American Board of Family Medicine

Journal of Forensic and Legal Medicine

Acta Neurologica Scandanavica

Medical Science Monitor

Pain Research & Management

Journal of Back and Musculoskeletal Rehabilitation

American Society for Testing and Materials (ASTM)

Biosecurity & Bioterrorism

Annals of Medical and Health Sciences Research

Neurorehabilitation and Neural Repair

International Research Journal of Medicine and Medical Sciences

Jurimetrics

Law, Probability, and Risk

International Journal of Molecular Sciences

Journal of Rehabilitation Medicine

Arthritis
BMC Pediatrics
Journal of Back and Musculoskeletal Rehabilitation
Diagnostic and Interventional Radiology
Healthcare
Expert Review of Medical Devices
BMC Cancer

COURSES TAUGHT

PHPM 574 Forensic & Trauma Epidemiology
Department of Public Health and Preventive Medicine
Oregon Health & Science University School of Medicine
Portland, Oregon 2006-2013

Principles of Forensic Medicine and Forensic Epidemiology
Forensic Psychiatry Fellowship
Department of Psychiatry
Oregon Health & Science University School of Medicine
Portland, Oregon – 2011 to present

PHPM 503 Thesis Advising
Department of Public Health and Preventive Medicine
Oregon Health & Science University School of Medicine
Portland, Oregon 2005-present

PHPM 507 Injury and Trauma Epidemiology
Department of Public Health and Preventive Medicine
Oregon Health & Science University School of Medicine
Portland, Oregon 1999 – 2005

Forensic Epidemiology and Bioterrorism
Charles County Department of Public Health
College of Southern Maryland, Waldorf, Maryland 2014

ACTIVITIES and HONORS

Chair, Research subcommittee, Faculty of Forensic and Legal Medicine, London, UK, 2021-present
Vice Chair, American Academy of Forensic Sciences Standards Board Medicolegal Death Investigation Consensus Body – 2016-present
Member, Faculty of Forensic and Legal Medicine, Royal College of Physicians, London, UK, 2016-2021 to present
Member, Academic committee, Faculty of Forensic and Legal Medicine, London, UK, 2021-present
Affiliate Member, Faculty of Forensic and Legal Medicine, Royal College of Physicians, London, UK, 2016-2021
Faculty, course designer and keynote speaker, “*When Science Meets Law: Forensic Epidemiology in Medicolegal Practice.*” Summer school course, Radboud Medical Center, Nijmegen, Netherlands, August 13-17, 2018.
Fulbright fellowship, US Department of State, *Forensic Epidemiology in Forensic Medicine*, March 2018, Maastricht, Netherlands.
Senatorial letter of commendation, Louisiana Senate (Sen. Jon Milkovich), January 25, 2017.
Keynote speaker, Gran Sesión de Epidemiología Forense. November 18, 2016 Universidad Libre, Seccional Cali, Colombia.
Member, American Academy of Forensic Sciences Standards Board Medicolegal Death Investigation Consensus Body – 2016 to present
Affiliate Medical Examiner, Allegheny County, Pennsylvania, 2014 to present
Member, Scientific Advisory Board, International Conference on Forensic Inference and Statistics. August 2014, Leiden, The Netherlands
Reviewer, National Aeronautical Space Administration (NASA) 2011
Past president, International Cellular Medicine Society, 2009 to 2012

Founding member, International Cellular Medicine Society, 2009
 Member, Research Planning Committee, North American Spine Society 2007-2009
 Member, Complementary Medicine Committee, North American Spine Society 2007-2009
 Special Deputy Sheriff (Forensics), Vehicular Homicide Investigator, Clackamas County, Oregon, 2007-2009
 Member, Crash Reconstruction and Forensic Technology (CRAFT) multidisciplinary law enforcement fatal crash investigation team, Clackamas County, Oregon, 2002-2013
 Consultant Forensic Trauma Epidemiologist to the Medical Examiner Division of the Oregon Department of State Police – Occupant Kinematics, 1999-2006
 Deputy Medical Examiner, Marion County, Oregon. 2000-2005
 Moderator, Engineering sciences section, American Academy of Forensic Sciences 62nd Annual Meeting, Seattle, WA 2010
 Co-Chair, International Whiplash Trauma Congress V, Lund, Sweden. 2011
 Co-Chair, International Whiplash Trauma Congress IV, Miami, FL. October 2007.
 Co-Chair, International Whiplash Trauma Congress III, Portland, OR. June 2006.
 Co-Chair, International Whiplash Trauma Congress II, Breckenridge, CO. February 2005.
 Co-Chair, International Whiplash Trauma Congress I, Denver, CO. October, 2003
 Co-Chair, Forensic Section, International Traffic Medicine Association. Budapest, Hungary. September, 2003
 Member, Blue Ribbon Panel Congressional Task Force on roller coaster-induced brain injury. Funded by a grant from the National Institute of Child Health and Human Development 2002-2003
 President, Spinal Injury Foundation. Denver, CO 2002-2009
 Member, Marion-Polk County C.R.A.S.H. Team - Occupant Kinematics Consultant 1999-2004
 Scientific Chair, North American Whiplash Trauma Congress. Victoria, British Columbia 1999

BOARD CERTIFICATION AND ORGANIZATIONS

Faculty of Forensic & Legal Medicine, Royal College of Physicians, London, UK
 Member 2021 - present
 Affiliate Member 2018 - 2021
 American Academy of Forensic Sciences, Pathology/ Biology section
 Fellow 2016 - present
 Member 2008 - 2016
 American College of Epidemiology
 Fellow 2019 - present
 Member 2007 - 2019
 ACTAR Accredited Crash Reconstructionist, Accreditation Commission for Traffic Accident Reconstruction, Accreditation #1581 (December 2005 through December 2024)
 Crash Data Retrieval Technician I & II
 Certification in basic and advanced crash reconstruction - Northwestern University
 Diplomate, American Academy of Pain Management
 Member, Fulbright Association
 Member, American College of Epidemiology (2007-2019)
 Member, Association for the Advancement of Automotive Medicine
 Member, Sigma Xi Scientific Honor Society
 Member, Society of Automotive Engineers
 Past member, International Traffic Medicine Association
 Fellow, International College of Chiropractic
 Inactive member, North American Spine Society
 Past member, Forensic Accident Reconstructionists of Oregon

GRANTS

2020-present Unrestricted grant, private donor. Evaluation of upper cervical CSF flow alterations in retired NFL players with chronic head injury. \$250,000.

2017-2020 Fulbright scholarship, Fulbright Specialist program, Bureau of Educational and Cultural Affairs and World Learning, United States Department of State.

2015 National Science Foundation Industry/University Cooperative Research Centers Program, NSF 13-594 Planning Grant: I/UCRC for Advanced Research in Forensic Science, National Center for Research on Forensic Epidemiology. Principal Investigator.

2011-2013 World Health Organization – research grant for Rwandan study of relationship between genocide and suicide and homicide victimization and offending. \$50,000. Project No: AFRWA 1005685, Award No: 53975.

2010-2015 Centers for Disease Control (Administered by National University of Rwanda and OHSU) SPH/CDC \$200,000 over 4 years.

2002-2003 National Institute of Child Health and Human Development – Blue Ribbon Task Force on Roller Coaster Associated Brain Injury. \$75,000.

DISSERTATION SUPERVISION/MENTORING

Ellen Strömmer BA BS MPH – PhD candidate, CAPHRI School for Public Health and Primary Care, Maastricht University Medical Center (2018 to present)

David Brunarski MSc, DC - PhD candidate, CAPHRI School for Public Health and Primary Care, Maastricht University Medical Center (2019 to present)

Wendy Leith MS MPH – PhD candidate, CAPHRI School for Public Health and Primary Care, Maastricht University Medical Center (2018 to present)

Paul Nolet MPH, MSc, DC – PhD candidate, CAPHRI School for Public Health and Primary Care, Maastricht University Medical Center (2017 to present)

Huijie Wang B.Med., M.Med. – PhD candidate, CAPHRI School for Public Health and Primary Care, Maastricht University Medical Center (2017-2018)

Dritan Bijko MD MSc – PhD candidate, CAPHRI School for Public Health and Primary Care, Maastricht University Medical Center (2017)

Putri Dianita MD – PhD candidate, CAPHRI School for Public Health and Primary Care, Maastricht University Medical Center (2015 to present)

Frank Franklin Ph.D., J.D. (2013), Earle Mack School of Law, Drexel University

Bonnie Colville-Ebeling MD – PhD candidate (2012-15) University of Copenhagen, Faculty of Health Sciences, Department of Forensic Medicine

Dimitrios Papadakis BSc, MRes, Dr.rer.nat. (2012-present) independent mentoring

Wendy Leith MS – MPH (2015) Department of Public Health & Preventive Medicine, Oregon Health & Science University School of Medicine

Konrad Dobbertin – MPH (2011) Department of Public Health & Preventive Medicine, Oregon Health & Science University School of Medicine

Apostolo Alexandridis – MPH (2011) - Department of Public Health & Preventive Medicine, Oregon Health & Science University School of Medicine

Wilson Rubanzana MD – PhD (2016) National University of Rwanda, School of Public Health, Kigali, Rwanda

Catherine Maddux-Gonzalez – MPH (2009) – Department of Public Health & Preventive Medicine, Oregon Health & Science University School of Medicine

Laura Criddle MS, RN – PhD (2008) Oregon Health & Science University School of Medicine, School of Nursing

Peter Harmer PhD – MPH (2006) Department of Public Health & Preventive Medicine, Oregon Health & Science University School of Medicine

PUBLICATIONS

Peer-reviewed journal articles

1. Nolet PS, Nordhoff L, Kristman KL, Croft AC, Zeegers MP, **Freeman MD**. Is acceleration a valid proxy for injury risk in minimal damage traffic crashes? A comparative review of volunteer, ADL and real-world studies. *Environ Res Public Health* 2021;18:2901; <https://doi.org/10.3390/ijerph18062901>.
2. Dianita Ika Melia P, Zeeger MP, Herkutanto H, **Freeman MD**. Development of the INFERENCE (INtegration of Forensic Epidemiology and the Rigorous Evaluation of Causation Elements) approach to causal inference in forensic medicine. *Int J Environ Res Public Health* 2020;17:8353; doi:10.3390/ijerph17228353.
3. Strömmer EMF, Leith WM, Zeegers MP, **Freeman MD**. The role of restraint in fatal excited delirium: a research synthesis and analysis of the literature. *For Sci Med Path* 2020; doi.org/10.1007/s12024-020-00291-8.
4. **Freeman MD**. Forensic epidemiologic analysis of the cause of an unexpected teen suicide following ingestion of mis-dispensed isosorbide mononitrate. *For Sci Int Rep* 2020; doi.org/10.1016/j.fsir.2020.100093
5. Tønner G, **Freeman MD**, Rubenstein S. De waarde van chiropractie bij lagerugklachten. *Huisarts Wet* [Dutch Journal of General Practice Medicine] 2020;10.1007/s12445-020-0964-3.
6. Dianita Ika Melia P, Herkutanto H, Atmadja DS, Cordner S, Eriksson A, Kubat B, Kumar A, Payne-James J, Rubanzana W, Uhrenholt L, **Freeman MD**, Zeeger MP. The PERFORM-P (Principles of Evidence-based Reporting in FORensic Medicine-Pathology version) Guideline. *Forensic Sci Int* (in press)
7. Dianita Ika Melia P, **Freeman MD**, Herkutanto H, Zeeger MP. A review of causal inference in forensic medicine. *For Sci Med Path* 2020;doi.org/10.1007/s12024-020-00220-9.
8. **Freeman MD**, Katz EA, Rosa SL, Gatterman BD, Strömmer EMF, Leith WM. Diagnostic accuracy of videofluoroscopy for symptomatic cervical spine injury following whiplash trauma. *Int J Environ Res Public Health* 2020;17:1693 ; doi:10.3390/ijerph17051693
9. Centeno C, Cartier C, Stemper I, Dodson E, Azuike U, Williams C, Hyzy M, Silva O, Steinmetz N, **Freeman MD**. The treatment of bone marrow lesions associated with advanced knee osteoarthritis: comparing intra-osseous and intra-articular injections with bone marrow concentrate and platelet-rich plasma. *Pain Physician* (in press)
10. Nolet P, Emery P, Kristman E, Zeegers M, **Freeman MD**. Exposure to a motor vehicle collision and the risk of future back pain: a systematic review and meta-analysis. *Accid Analysis Prev* 2020;doi.org/10.1016/j.aap.2020.105546.
11. Uhrenholt L, Thomsen CK, Boel LWT, Hansen K, **Freeman MD**. The relationship between head and neck injuries and helmet use in fatal motorcycle and moped crashes. *Scand J For Sci* (in press)
12. **Freeman MD**, Leith WM. Estimating the number of traffic crash-related cervical spine injuries in the United States; an analysis and comparison of national crash and hospital data. *Accident Analysis and Prevention* 2020; doi:<https://doi.org/10.1016/j.aap.2020.105571>.

13. Nolet P, Emery P, Kristman E, Zeegers M. **Freeman MD**. Exposure to a motor vehicle collision and the risk of future neck pain: a systematic review and meta-analysis. *PM R* 2019 Apr 25. doi: 10.1002/pmrj.12173.
14. **Freeman MD**. Medicolegal investigation of *Vibrio parahaemolyticus*-related foodborne illness as the cause of Guillain-Barré Syndrome. *Forensic Science International: Reports* 2019;doi.org/10.1016/j.fsir.2019.100004.
15. **Freeman MD**. Concussion risk from helmeted sports; A reexamination of data and methods. *J Forensic Biomed* 2018;9:139. doi:10.4172/2090-2697.1000139.
16. Centeno C, Markle J, Dodson E, Stemper I, Hyzy M, Williams C, Ichim T, **Freeman MD**. Symptomatic anterior cruciate ligament tears treated with percutaneous injection of autologous bone marrow concentrate: a non-controlled registry study *J Translational Med* 2018;16:246 <https://doi.org/10.1186/s12967-018-1623-3>.
17. Dianita Ika Melia P, **Freeman MD**, Herkutanto H, Zeeger MP. A review of the diversity in taxonomy, definitions, scope, and roles in forensic medicine: Implications for evidence-based practice. *For Sci Med Path* 2018;14(4):460-8.
18. Rubanzana W, Hedt-Gauthier BL, Ntaganira J, **Freeman MD**. Exposure to genocide as a risk factor for homicide perpetration in Rwanda: A population-based case-control study. *J Interpers Violence* 2018;33(12):1855-70.
19. Centeno C, Markle J, Dodson E, Stemper I, Hyzy M, Williams C, **Freeman MD**. A specific protocol of autologous bone marrow concentrate and platelet products versus exercise therapy for symptomatic knee osteoarthritis: a randomized controlled trial. *J Translational Med* 2018;16:355 <https://doi.org/10.1186/s12967-018-1736-8>.
20. **Freeman MD**, Leith WM. The epidemiology of tire failure-related traffic crashes. SAE Technical Paper 2018-01-5031, 2018, doi:10.4271/2018-01-5031.
21. **Freeman MD**. A practicable and systematic approach to medicolegal causation. *Orthopedics* 2018;41(2):70-2.
22. Centeno C, Markle J, Dodson E, Stemper I, Hyzy M, Williams C, **Freeman MD**. The safety and efficacy of using lumbar epidural injection of platelet lysate for treatment of radicular pain. *J Exp Orthopaedics* 2017;4:38.
23. Centeno C, Markle J, Dodson E, Stemper I, Williams C, Hyzy M, Ichim T, **Freeman MD**. Treatment of lumbar degenerative disc disease-associated radicular pain with culture-expanded autologous mesenchymal stem cells *J Translational Medicine* 2017;15:197.
24. Williams KE. **Freeman MD**. The role of the medical examiner/ coroner system in creating a public database for surveillance and information sharing on drug overdose deaths. *Academic Forensic Pathology*. 2017;7(1):60-72.
25. Leith W, Lambert W, Boehlein J, **Freeman MD**. The association between gabapentin and suicidality in bipolar patients. *Int Clin Psychopharm* 2018 doi:10.1097/YIC.0000000000000242.
26. Centeno C, Markle J, Dodson E, Stemper I, Williams C, Hyzy M, **Freeman MD**. Symptomatic anterior cruciate ligament tears treated with percutaneous injection of autologous bone marrow concentrate: a non-controlled prospective registry study. *BMC Musculoskeletal Disorders* (in press).

27. **Freeman MD**, Goodyear S, Leith W. Risk factors for neonatal brachial plexus injury; a multistate epidemiologic study of matched maternal and newborn discharge records. *Int J Gynecology & Obstetrics* 2017;136(3):331-336.
28. **Freeman MD, Zeegers M**. Forensic Epidemiology: An evidence-based system for analyzing individual causation in a medicolegal setting. *Austin J Public Health Epidemiol* 3(3):2016. ISSN: 2381-9014
29. Westergren H, Larson L, Carlsson A, Joud A, **Freeman MD**, Malmstrom E-M. Sex-based differences in chronic pain distribution in a cohort of patients with post-traumatic neck pain. *Disabil Rehabil* 2017 DOI: 10.1080/09638288.2017.1280543
30. Nyström A, **Freeman MD**. Central sensitization is modulated following trigger point anesthetization in patients with chronic pain following whiplash trauma. A double-blind, placebo-controlled, cross-over study. *Pain Med* 2017;0:1-6.
31. **Freeman MD**, Zeegers M. Principles and applications of forensic epidemiology in the medicolegal setting. *Law, Probability, & Risk* 2015; doi:10.1093/lpr/mgv010.
32. Centeno CJ, Al-Sayegh H, **Freeman MD** et al. A multi-center analysis of adverse events among 2,372 adult patients undergoing adult autologous stem cell therapy for orthopedic conditions. *International Orthopedics* DOI 10.1007/s00264-016-3162-y.
33. **Freeman MD**. Medicolegal causation analysis of a lumbar spine fracture following a low speed rear impact traffic crash. *J Case Rep Prac* 2015; 3(2): 23-29.
34. Uhrenholt L, **Freeman MD**, Webb A, Pedersen M, Thorup-Boel LW. Fatal subarachnoid hemorrhage associated with internal carotid artery dissection resulting from whiplash trauma. *Forens Sci Med Path* 2015;11(4):564-9.
35. Centeno CJ, Al-Sayegh H, Bashir J, **Freeman MD**. A prospective study of the safety and efficacy of autologous bone marrow concentrate for the treatment of rotator cuff tears and shoulder osteoarthritis *J Pain Res* 2015;8:1-8.
36. Centeno CJ, Al-Sayegh H, Bashir J, **Freeman MD**. A dose response analysis of bone marrow concentrate injections for knee osteoarthritis. *BMC Musculoskeletal Disorders (Section: Orthopedics and biomechanics)* 2015;16:258. doi: 10.1186/s12891-015-0714-z.
37. Rubanzana W, Ntanganira J, **Freeman MD**, Hedt-Gauthier B, Risk factors for homicide victimization in post-genocide Rwanda: a population -based case- control study. *BMC Public Health* 2015;15(1):809.
38. Rubanzana W, Hedt-Gauthier B, Ntanganira J, **Freeman MD**. Exposure to genocide as a risk factor for suicide in Rwanda. *J Epidemiol Community Health* 2015 Feb;69(2):117-22.
39. Westergren H, **Freeman MD**, Malmström E-M. The whiplash enigma: still searching for answers. *Scand J Pain* 2014; <http://dx.doi.org/10.1016/j.sjpain.2014.08.003>.
40. Centeno CJ, Pitts J, Al-Sayegh H, **Freeman MD**. Efficacy and Safety of Bone Marrow Concentrate for Osteoarthritis of the Hip; Treatment Registry Results for 196 Patients. *J Stem Cell Res Ther* 2014;4:242. doi: 10.4172/2157-7633.1000242

41. Centeno CJ, Pitts J, Al-Sayegh H, **Freeman MD**. Efficacy of autologous bone marrow concentrate for knee osteoarthritis with and without adipose graft. *Biomed Res Int* 2014. doi:10.1155/2014/370621
42. Centeno CJ, Pitts J, Al-Sayegh H, **Freeman MD**. Anterior cruciate ligament tears treated with percutaneous injection of autologous bone marrow nucleated cells; a pilot study. *J Pain Res* 2015;8:1–11.
43. **Freeman MD**, Cahn PJ, Franklin FA. Applied forensic epidemiology. Part 1: medical negligence. *OA Epidemiology* 2014;2(1):2.
44. Koehler S, **Freeman MD**. Forensic epidemiology; a methodology for investigating and quantifying specific causation. *Forens Sci Med Path* 2014 Jun;10(2):217-22.
45. Centeno CJ, **Freeman MD**. Percutaneous injection of autologous, culture-expanded mesenchymal stem cells into carpo-metacarpal hand joints: A case series with an untreated comparison group. *Wien Med Wochenschr* 2013;DOI 10.1007/s10354-013-0222-4
46. **Freeman MD**, Eriksson A, Leith W. Head and neck injury patterns in fatal falls: epidemiologic and biomechanical considerations. *J Forensic Legal Med* 2014;21:64-70.
47. Colville-Ebeling B, **Freeman MD**, Banner J, Lynnerup N. Autopsy practice in forensic pathology – evidence-based or experience-based? A review of autopsies performed in a case of multiple, simultaneous deaths. *J Forensic Legal Med* 2014;22:33-6.
48. **Freeman MD**, Eriksson A, Leith W. Injury pattern as an indication of seat belt failure in ejected vehicle occupants *J Forensic Sci* 2014; 59(5):1271-4.
49. Dobbertin KM, **Freeman MD**, Lambert WE, Lasarev MR, Kohles SS. The relationship between vehicle roof crush and head, neck and spine injury in rollover crashes. *Accid Anal Prev* 2013;58:46-52.
50. Centeno CJ, Schultz JR, Cheever M, **Freeman M**, Faulkner S, Robinson S. A Case Series of Percutaneous Treatment of Non-Union Fractures with Autologous, Culture Expanded, Bone Marrow Derived, Mesenchymal Stem Cells and Platelet Lysate. *J Bioengineer & Biomedical Sci* S2:007 doi:10.4172/2155- 9538.S2-007
51. Woodham M, Woodham A, Skeate JG, **Freeman MD**. Long-Term lumbar multifidus muscle atrophy changes documented with magnetic resonance imaging; a case series. *Radiology Case Reports* 2014;8(5):27-34
52. Wendlova J, **Freeman MD**. The Slovak Regression Model of Fall-Related Femoral Neck Fracture Risk. *Journal of Forensic Biomechanics* Vol. 4 (2013), Article ID 235595, 5 pages doi:10.4303/jfb/235595
53. **Freeman MD**, Dobbertin K, Kohles SS, Uhrenholt L, Eriksson A. Serious head and neck injury as a predictor of occupant position in fatal rollover crashes. *Forensic Sci Int* 2012;222:228–33.
54. **Freeman MD**, Kohles SS. An examination of the threshold criteria for the evaluation of specific causation of mesothelioma following a history of significant exposure to chrysotile asbestos-containing brake dust, *Int J Occ Env Hlth* 2012;18(4):329-36.

55. **Freeman MD**, Fuerst M. Does the FDA have regulatory authority over adult autologous stem cell therapies? FDCA 21 CFR 1271 and the Emperor's New Clothes. *J Transl Med* 2012;10(1):60.
56. **Freeman MD**, Everson T, Kohles SS. Forensic epidemiologic and biomechanical analysis of a pelvic cavity blowout injury associated with ejection from a personal watercraft (jet-ski). *J Forens Sci* 2012 doi: 10.1111/j.1556-4029.2012.02250.x
57. **Freeman MD**, Kohles SS. Plasma levels of polychlorinated biphenyls, non-Hodgkin lymphoma, and causation. *J Environ Public Health* 2012;2012:258981. doi: 10.1155/2012/258981. Review.
58. Centeno CJ, Fuerst M, Faulkner SJ, **Freeman MD**. Is cosmetic platelet-rich plasma a drug to be regulated by the Food and Drug Administration? *J Cosm Derm* 2011;10:171–3.
59. Centeno CJ, Schultz JR, Cheever M, **Freeman M**, Faulkner S, Robinson S, Hanson R. Safety and Complications Reporting Update on the Re-Implantation of Culture-Expanded Mesenchymal Stem Cells Using Autologous Platelet Lysate Technique. *Cur Stem Cell Res & Ther* 2011;6(4):XX
60. **Freeman MD**, Kohles SS. Application of the Hill Criteria to the Causal Association of Post-Traumatic Headache and Assault. *Egypt J Forensic Sci* 2011;1:35-40.
61. **Freeman MD**, Kohles SS. Application of the Bradford-Hill Criteria for Assessing Specific Causation in Post-Traumatic Headache. *Brain Inj Prof* 2011;8(1):26-8.
62. **Freeman MD**, Kohles SS. An Evaluation of Applied Biomechanics as an adjunct to systematic specific causation in forensic medicine. *Wien Med Wochenschr* 2011;161:1-11.
63. Uhrenholt L, **Freeman MD**, Jurik AG, Jensen LJ, Gregersen M, Boel LW, Kohles SS, Thomsen AH. Esophageal injury in fatal rear-impact collisions. *Forensic Sci Int* 2011;206(1-3):e52-7.
64. **Freeman MD**. A Bayesian assessment of unexplained fracture as a forensic test of child abuse; quantification of uncertainty using the Error Odds approach. *Acta Medicinae Legalis et Socialis* 2010:179-84.
65. Nystrom NA, Champagne LP, **Freeman MD**, Blix E. Surgical fasciectomy of the trapezius muscle combined with neurolysis of the spinal accessory nerve; results and long-term follow-up in 30 consecutive cases of refractory chronic whiplash syndrome. *J Brachial Plexus and Peripheral Nerve Injury* 2010;5;7.
66. Centeno CJ, Schultz J, Cheever M, Robinson B, **Freeman MD**, Marasco W. Safety of autologous MSC transplantation: an in vivo MRI study of transplanted MSCs culture-expanded using a novel, platelet-lysate technique. *Cur Stem Cell Res & Ther* 2010;5:81-93.
67. Dagenais S, Gay RE, Tricco A, Mayer, JM, **Freeman MD**. North American Spine Society Contemporary Concepts in Spine Care: Spinal Manipulation Therapy for Acute Low Back Pain *Spine J* 2010 Oct;10(10):918-40.
68. Uhrenholt L, Schumacher B, **Freeman MD**. Road traffic fatalities in Aarhus Police District in 2000-2004 - medical investigations and legal consequences. *Ugeskr Laeger*. 2010 Sep 27;172(39):2683-2687. Danish

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9. Centeno C, **Freeman MD**. Alberta rodeo riders do not develop late whiplash. *J Rheumatol* 2007 Feb;34(2):451-2.
10. **Freeman MD**, Centeno C. Alar, Transverse and Apical Ligament Strain due to Head-Turned Rear Impact. *Spine* 2006;31(17):2030.
11. **Freeman MD**. Cervical disc herniation following motor vehicle crash trauma. Invited commentary. *Spine J* 2005 Nov-Dec;5(6):644.
12. **Freeman MD**, Centeno C. Whiplash and Peer Review *JWRD* 2003;2(2):1-3.
13. **Freeman MD**, Centeno C. Whiplash and Secondary Gain *JWRD* 2003;2(1):1-4.
14. **Freeman MD**, Centeno C. "Placebo" Collisions and Whiplash *JWRD* 2002;1(2):1-8.
15. **Freeman MD**. Biomechanics of minor automobile accidents. *J South Orthop Assoc* 2001 Summer;10(2):95-6.

16. **Freeman MD.** Are demolition derby drivers a valid proxy for the population at risk for whiplash injury? *Arch Neurol* 2001 Apr;58(4):680-1.
17. **Freeman MD,** Rossignol AM. Effect of eliminating compensation for pain and suffering on the outcome of insurance claims. *NEJM* 2000 Oct 12;343 (15):1118-9.
18. **Freeman MD.** Letter to the editor. *Cranio* 1999;17(3):160-1.
19. Croft AC, **Freeman MD.** Commentary on "Pain after whiplash: a prospective controlled inception cohort study." *The Back Letter* 1999;14(4):43-5.
20. **Freeman MD,** Croft AC. Late Whiplash Syndrome, 3rd reply. *Lancet* 1996 Jul 13;348(9020):125.

SCIENTIFIC PRESENTATIONS

1. Freeman MD. Medico-legal causation in auto litigation. International Orthopedic Foundation.
2. Freeman MD. Medico-legal investigation of suicide. Lecture at Mental Illness Research Education Clinical, Centers of Excellence NW (MIRECC CoE), Veteran's Affairs Medical Center, Portland Oregon. December 16, 2020.
3. Freeman MD. The role of epidemiology in evidence-based forensic medical investigation of death and injury. Faculty of Medicine, Universitas Indonesia. December 15, 2020.
4. Freeman MD. Does Excited Delirium cause death, or does death cause Excited Delirium? A systematic review and statistical analysis of the world literature. Presented at *Deaths in Custody 3: Judicial Considerations*. Department of Pathology and Laboratory Medicine, of the Faculty of Medicine, in conjunction with the Office of the Chief Medical Examiner, Washington DC, September 27, 2020.
5. Freeman MD. Medico-legal investigation of suicide. Grand Rounds in Psychiatry, Department of Psychiatry, Oregon Health & Science University School of Medicine. March 24, 2020.
6. Freeman MD. Forensic investigation of unexplained death. University of Business, Technology, and Science (UBT), October 9, 2018: Pristina, Kosovo.
7. Freeman MD. Causation analysis in medical negligence. Radboud Summer School. Radboud Medical Center, August 14, 2018: Nijmegen, Netherlands.
8. Freeman MD. Injury causation analysis. Radboud Summer School. Radboud Medical Center, August 14, 2018: Nijmegen, Netherlands.
9. Freeman MD. Criminal applications of Forensic Epidemiology. Radboud Summer School. Radboud Medical Center, August 14, 2018: Nijmegen, Netherlands.
10. Freeman MD. Introduction to Forensic Epidemiology. Radboud Summer School. Radboud Medical Center, August 13, 2018: Nijmegen, Netherlands.
11. Freeman MD. Ballistic analysis of an attempted murder using a porcine model. *Proceedings of 70th Annual Meeting of the American Academy of Forensic Sciences* 2018 Feb 19-23:

Seattle, WA.

12. Freeman MD. Evidence-based practice in Forensic Medicine; Principles of Forensic Epidemiology. Radboud Medical Center, October 9, 2017: Nijmegen, Netherlands.
13. Freeman MD. Incidence and risk factors for neonatal falls US Hospitals, 2003-2012. *Health Science Research*, Doernbecher Childrens' Hospital, Oregon Health & Science University, March 13, 2017, Portland, Oregon.
14. Freeman MD. Incidence and risk factors for neonatal falls US Hospitals, 2003-2012. *Research in Progress*, Department of Internal Medicine, Oregon Health & Science University School of Medicine, January 31, 2017, Portland, Oregon.
15. Freeman MD. Evidence-based practice in Forensic Medicine. Invited presentation to the Dutch National Forensic Institute (NFI). December 6, 2016 Maastricht University, Maastricht, Netherlands.
16. Freeman MD. Forensic Epidemiology: Principals & Practice Part 2: Investigation of specific causation. Gran Sesión de Epidemiología Forense. November 18, 2016 Universidad Libre, Cali, Colombia.
17. Freeman MD. Forensic Epidemiology: Principals & Practice Part 1: Investigation of specific causation. Gran Sesión de Epidemiología Forense. November 18, 2016 Universidad Libre, Cali, Colombia.
18. Freeman MD. Fatal crash investigation. World Reconstruction Exposition (WREX 2016). May 2-6, 2016. Orlando, Florida.
19. Freeman MD. Trends in police use-of-force related hospitalizations; an analysis of Nationwide Inpatient Sample data for 1998-2012. *Research in Progress*, Department of Internal Medicine, Oregon Health & Science University School of Medicine, November 10, 2015, Portland, Oregon.
20. Freeman MD. Concussion risk associated with head impact; an analysis of pooled data from helmeted sports. *12th Annual Conference of the North American Brain Injury Society*, April 29-May 1, 2015 San Antonio, Texas
21. Freeman MD. The role of risk in assessing cause in forensic investigation of injury and death. *American Medical Response biennial EMS training*. April 17, 2015, Mt. Hood, Oregon.
22. Freeman MD. Development of a pediatric fatal head trauma registry. *Research in Progress*, Department of Internal Medicine, Oregon Health & Science University School of Medicine, April 7, 2015, Portland, Oregon.
23. Freeman MD. Fatal crash investigation: methods and case presentations. Washington County CART Team training lecture. Tualatin Police Department, Tualatin, Oregon. March 4, 2015.
24. Freeman MD. An analysis of the causal relationship between maternal/ prenatal cocaine use and stillbirth: results of a national hospital database study. *67th Annual Meeting of the American Academy of Forensic Sciences* 2015 Feb 16-21: Orlando, FL
25. Freeman MD. Biomechanical, Mechanical, and Epidemiologic Characteristics of Low Speed Rear Impact Collisions. *67th Annual Meeting of the American Academy of Forensic Sciences* 2015 Feb 16-21: Orlando, FL.

26. Freeman MD. Sexual abuse in the Boy Scouts: a preliminary analysis of Boy Scout ineligible volunteer files from 1945 to 2004. *Research in Progress*, Department of Sociology, Portland State University. December 18, 2014.
27. Freeman MD. Understanding chronic pain after whiplash trauma. *Lund University Hospital, Department of Rehabilitation Medicine*. December 11, 2014, Lund, Sweden.
28. Freeman MD. Forensic Applications of Epidemiology in Criminal and Civil Settings. *Richard Doll Building, Nuffield College, Oxford University*. December 10, 2014, Oxford, UK.
29. Freeman MD. The Efficacy of tPA in Preventing Long Term Poor Outcome After Ischemic Stroke: A Reanalysis of NINDS Data. *Research in Progress*, Department of Internal Medicine, Oregon Health & Science University School of Medicine, November 25, 2014, Portland, Oregon.
30. Freeman MD. Forensic Epidemiology and Bioterrorism. Full day course for public health and law enforcement. A joint training for public health, law enforcement, and emergency services. Sponsored by Charles County Department of Public Health and funded through a grant from the Centers for Disease Control and Prevention, Public Health Preparedness Cooperative Agreement. College of Southern Maryland. June 10, 2014. Waldorf, Maryland.
31. Freeman MD. Maternal cocaine exposure and still-birth risk. *Research in Progress*, Department of Internal Medicine, Oregon Health & Science University School of Medicine, May 20, 2014, Portland, Oregon.
32. Freeman MD. Forensic Applications of Epidemiology in Civil and Criminal Litigation. *9th International Conference on Forensic Inference and Statistics* August 19-22, 2014
33. Freeman MD. Investigation of a disputed mechanism of diffuse axonal injury following a low speed frontal crash. *65th Annual Meeting of the American Academy of Forensic Sciences*, Feb 21, 2014, Seattle, Washington.
34. Freeman MD. Public defense of dissertation for Doctor of Medicine degree, "The role of forensic epidemiology in evidence based forensic medical practice." *Section of Forensic Medicine, Department of Community Medicine and Rehabilitation, Faculty of Medicine, Umeå University*. November 6, 2013, Umeå, Sweden.
35. Freeman MD. Case studies in applied forensic epidemiology. Invited lecture, *University of Maastricht, Department of Complex Genetics and Epidemiology*, Maastricht, The Netherlands. October 31, 2013.
36. Freeman MD. The relationship between Chiari malformation, trauma, and chronic pain. *Karolinska Institute*, September 27, 2012, Stockholm, Sweden.
37. Freeman MD. Serious head and neck injury as a predictor of occupant position in fatal rollover crashes. *18th Nordic Conference on Forensic Medicine*, June 13-16, 2012 Aarhus Denmark.
38. Freeman M. Self-defense or attempted murder? A combined ballistic and traffic crash reconstruction of a Texas shooting. *18th Nordic Conference on Forensic Medicine*, June 13-16, 2012 Aarhus Denmark.
39. Freeman MD. Applied forensic epidemiology: the evaluation of individual causation in wrongful death cases using relative risk. *18th Nordic Conference on Forensic Medicine*, June

13-16, 2012 Aarhus Denmark.

40. Freeman MD. Forensic Epidemiologic Investigation of Traffic Crash-Related Homicide. *Årsmøde i Dansk Selskab for Retsmedicin og Dansk Selskab for Ulykkes- og Skadeforebyggelse* [The Danish Traffic Medicine Society of the Danish Society for Forensic Medicine] November 3-5, 2011] Grenå, Denmark.
41. Freeman MD. Traffic Crash Injuries 1960 to the present; how far we've come. Keynote address, *Årsmøde i Dansk Selskab for Retsmedicin og Dansk Selskab for Ulykkes- og Skadeforebyggelse* [The Danish Traffic Medicine Society of the Danish Society for Forensic Medicine] November 3-5, 2011] Grenå, Denmark.
42. Freeman MD. Is there a place for forensic biomechanics in evaluation of Probability of Causation? *8th International Conference on Forensic Inference and Statistics (ICFIS)*, July 19-21, 2011; University of Washington, Seattle, Washington.
43. Freeman MD. Case studies in forensic epidemiology. *8th International Conference on Forensic Inference and Statistics (ICFIS)*, July 19-21, 2011; University of Washington, Seattle, Washington.
44. Freeman MD. The Error Odds method of objectively assessing bioengineering based claims of causation; a Bayesian approach to test validity quantification. Invited lecture; joint session of Jurisprudence and Engineering Sciences. *62nd Annual Meeting of the American Academy of Forensic Sciences* Feb 25, 2010, Seattle, Washington.
45. Freeman MD, Uhrenholt L, Newgard C. The effect of restraint use on skull vault fractures in rollover crashes. Engineering Sciences section, *62nd Annual Meeting of the American Academy of Forensic Sciences* Feb 26, 2010 Seattle, Washington.
46. Freeman MD, Uhrenholt L, Newgard C. Head injuries in lower speed collinear collisions; an analysis of the National Automotive Sampling System database. Engineering Sciences section, *62nd Annual Meeting of the American Academy of Forensic Sciences* Feb 26, 2010 Seattle, Washington.
47. Freeman MD. The Error Odds assessment of accuracy for tests in forensic medicine; a simple application of Bayes' Law. Invited presentation; *XXI Congress of the International Academy of Legal Medicine* May 2009, Lisbon, Portugal
48. Freeman MD. Forensic Epidemiology and Traumatic Brain Injury. Invited presentation; *VII World Congress on Brain Injury, International Brain Injury Association* April 2008 Lisbon, Portugal.
49. Freeman MD, Hand M. Bayesian analysis of predictive characteristics in suicidal versus homicidal hanging deaths: A case study in forensic epidemiology. *59th Annual Meeting of the American Academy of Forensic Sciences* February 19-24, 2007, San Antonio, Texas.
50. Freeman MD. Probability and pathologic findings in suicidal versus homicidal hanging deaths; a case study *16th Nordic Conference on Forensic Medicine* June 15, 2006, Turku, Finland.

51. Freeman MD. Injury Pattern Analysis as a means of driver determination in a vehicular homicide investigation *16th Nordic Conference on Forensic Medicine* June 16, 2006, Turku, Finland.
52. Freeman MD. Probability and pathologic findings in suicidal versus homicidal hangings; a case study. Grand Rounds *Institute of Forensic Medicine, Aarhus University, Aarhus, Denmark*. October 27, 2005.
53. Freeman MD. Road Traffic Crashes- mechanisms, injuries and analysis. Invited lecture (Keynote address) *Danish Society for Automotive Medicine Aarhus, Denmark*. October 27, 2005.
54. Freeman MD. The Defense Medical Evaluation: Issues, Ethics and Pitfalls. *2nd Annual International Whiplash Trauma Congress* Breckenridge, Colorado. February 26, 2005.
55. Freeman MD. Injury Pattern Analysis in Fatal Traffic Crash Investigation *American Academy of Forensic Sciences' 57th Annual Meeting* New Orleans, Louisiana. February 24, 2005.
56. Freeman MD. Independent Medical Evaluations and secondary gain. Grand Rounds, *Department of Psychiatry, Oregon Health & Science University School of Medicine* November 2, 2004.
57. Freeman MD. The epidemiology of crash-related trauma. Invited lecture. Grand Rounds *Peace Health Hospital* Longview, Washington. March 30, 2004.
58. Freeman MD. Injury pattern analysis: the practical application to the investigation of crash related death. Grand Rounds Department of Pathology, *Oregon Health Sciences University* Portland, Oregon. January 21, 2004.
59. Freeman MD. Literature critique, Whiplash Updates. Invited lecture. *British Columbia Chiropractic Association* Vancouver, British Columbia, Canada. October 23, 2003.
60. Freeman MD. Catastrophic crash cases and probability. Invited lecture. *Paris American Legal Institute* Florence, Italy. September 22, 2003.
61. Freeman MD. Injury pattern analysis as a means of driver identification in a vehicular homicide; a case study. *International Traffic Medicine Association Annual Meeting*. Budapest, Hungary. September 17, 2003.
62. Freeman MD. Fatal head injury crashes in a rural Oregon county, 1990-1999. *International Traffic Medicine Association Annual Meeting*. Budapest, Hungary. September 16, 2003.
63. Freeman MD. Crash reconstruction and forensic science. Invited lecture. *CRASH 2003* Spine Research Institute of San Diego. San Diego, California. August 22, 2003.
64. Freeman MD, Sparr L. The uses and abuses of psychiatric IMEs: an ethical dilemma. *American Psychiatric Association Annual Meeting*. San Francisco, California. May 21, 2003.

65. Freeman MD. Crash-related trauma. Invited lecture. THRI Neuroscience meeting. *Texas Back Institute* St. Mary's Hospital. Plano, Texas. February 28, 2003.
66. Freeman MD. Whiplash injury and occult spinal fracture. *International Association for the Study of Pain* 10th World Congress on pain. San Diego, California. August 20, 2002.
67. Freeman MD. Crash Reconstruction and forensic science. *CRASH 2002* Spine Research Institute of San Diego. San Diego, California. August 8, 2002.
68. Freeman MD. Epidemiologic and medical aspects of whiplash injury. *Swedish Orthopedic Society* Stockholm, Sweden. May 17, 2002.
69. Freeman MD. Epidemiologic considerations of whiplash injuries. Invited lecture. *European Chiropractic Union Annual Congress* Oslo, Norway. May 9, 2002.
70. Freeman MD. The role of cervical manipulation in neck pain. Invited lecture. *Cervical Spine Research Society 29th Annual Meeting* Instructional Course, Monterey, CA, Nov 29-Dec 1, 2001
71. Freeman MD. Whiplash injury and occult vertebral fracture: a case series of bone SPECT imaging of patients with persisting spine pain following a motor vehicle crash. *Cervical Spine Research Society 29th Annual Meeting* Monterey, CA, Nov 29-Dec 1, 2001
72. Freeman MD. Interpreting the medical literature with a focus on bias and confounding/Minimal Damage Crash Reconstruction. Invited lecture. *CRASH 2001* Spine Research Institute of San Diego. San Diego, CA. August 2001.
73. Freeman MD. Injury Pattern Analysis and Forensic Trauma Epidemiology in vehicular homicide investigation. *Washington State Patrol* Lacey, WA, June 20, 2001
74. Freeman MD. Case studies in multidisciplinary spine care. *Chiropractic Association of Oregon* Portland OR, April 28, 2001
75. Freeman MD. Injury Pattern Analysis and Forensic Trauma Epidemiology in vehicular homicide investigation. *Washington State Patrol* Vancouver, WA, February 13, 2001
76. Freeman MD. The role of cervical manipulation in neck pain. Invited lecture. *Cervical Spine Research Society 28th Annual Meeting* Instructional Course. Charleston, South Carolina, December 1, 2000
77. Freeman MD. Significant spinal injuries resulting from low-level accelerations: a case series of roller coaster injuries. *Cervical Spine Research Society 28th Annual Meeting* Charleston, South Carolina, December 1, 2000
78. Freeman MD. Injury Pattern Analysis and Forensic Trauma Epidemiology in vehicular homicide investigation. *Medical Examiner Division, Oregon State Police*. Salem, OR. November 28, 2000

79. Freeman MD. Minimal damage motor vehicle crash reconstruction. Invited lecture. Spine Research Institute of San Diego. *CRASH 2000* Spine Research Institute of San Diego. San Diego CA. August 11-13, 2000
80. Freeman MD. Analysis of the whiplash literature with emphasis on research out of Quebec and Saskatchewan. *Saskatchewan Medical Group and Coalition Against No-Fault*. Saskatoon, Saskatchewan. September 2000.
81. Freeman MD. Forensic applications of crash reconstruction. Invited lecture. *CRASH 2000* Spine Research Institute of San Diego.. San Diego, CA. August 11, 2000.
82. Freeman MD. Injury Pattern Analysis and Forensic Trauma Epidemiology; practical application in the forensic setting. Washington County CART Team training lecture, on behalf of *Medical Examiner Division, Oregon State Police*. Lake Oswego, Oregon. July 13, 2000.
83. Freeman MD. The epidemiology of acute and chronic whiplash injury in the U.S. Invited lecture. *HWS-Distorsion (Schleudetrauma) & Leichte Traumatische, Hirnverletzung. Invaliditat und Berufliche Reintegration*. Basel, Switzerland. June 29-30, 2000.
84. Freeman MD. Whiplash injury risk factors. Invited lecture. *Whiplash 2000*. Bath, England. May 18, 2000.
85. Freeman MD. How many whiplash injuries could there be? Invited lecture. *Whiplash 2000* Bath, England. May 17, 2000.
86. Freeman MD. Whiplash injury and occupant kinematics; the results of human volunteer crash testing. Invited lecture. *Society for Road Traffic Injuries (LFT)*. Oslo, Norway. April 3, 2000.
87. Freeman MD. Epidemiology of Whiplash Injuries. Invited lecture. *Swedish Orthopedic Society* Stockholm, Sweden. March 31, 2000.
88. Freeman MD. Methodologic pitfalls in epidemiological and clinical research, with examples from whiplash research. Invited lecture. *Arvetsinstitut (Institute for Musculoskeletal Medicine Research) Umeå University, Umeå, Sweden*. March 30, 2000.
89. Freeman MD. The prevalence of whiplash-associated chronic cervical pain among a random sample of patients with chronic spine pain. *Cervical Spine Research Society 27th Annual Meeting* Seattle, WA December 13-15, 1999.
90. Freeman MD. High speed videography of occupant movement during human volunteer crash testing; searching for an injury threshold. *North American Whiplash Trauma Congress* November 12, 1999.
91. Freeman MD. Scientific Chair Address. *North American Whiplash Trauma Congress* November 12, 1999.
92. The science of whiplash injuries: common mistakes in the reconstruction of low speed crashes. Invited lecture. *Forensic Accident Reconstructionists of Oregon* Eugene, Oregon, April 1, 1999.

93. Freeman MD. Late whiplash risk factor analysis of a random sample of patients with chronic spine pain. *Whiplash Associated Disorders World Congress* Vancouver, B.C. February 9, 1999.
94. Freeman MD. The epidemiology of whiplash injuries; critiquing the literature. Grand rounds, *Department of Public Health and Preventive Medicine, Oregon Health Sciences University* Portland, Oregon. December 17, 1998.
95. Freeman MD. The scientific appraisal of motor vehicle crash-related injuries. Invited lecture. *Managing the Cost of Auto Injuries*. Orlando, FL. December 8, 1998.
96. Freeman MD. Risk factors for chronic pain following acute whiplash injury. Invited lecture. *Managing the Cost of Auto Injuries* Orlando, FL. December 7, 1998.
97. Freeman MD. The epidemiology of whiplash injuries. *Current Issues in Public Health, Department of Public Health and Preventive Medicine, Oregon Health Sciences University* Portland, Oregon. October 7, 1998
98. Freeman MD. The epidemiology of whiplash - is there a reliable threshold for whiplash injury? Invited lecture. *HWS-Distortion (Schleudetrauma) & Leichte Traumatische Medico-Legal Congress*. Basel, Switzerland, June 26, 1998.
99. Freeman MD. The Epidemiology of Late Whiplash. Invited lecture. *HWS-Distortion (Schleudetrauma) & Leichte Traumatische Medico-Legal Congress*. Basel, Switzerland, June 25, 1998.
100. Freeman MD. Methodologic error in the whiplash literature. Invited lecture. *Whiplash '96* Brussels, Belgium, November 15-16, 1996
101. Freeman MD. Conservative therapy for spinal disorders *St. Francis Hospital*, San Francisco, CA. September 1994
102. Freeman MD. The history of chiropractic. Invited lecture. *White Plains Hospital*, White Plains, NY. December 1993