

CURRICULUM VITAE
Ann C. McKee, M.D.
72 E Concord St
Robinson Complex, Suite 7800
Boston MA 02118
amckee@bu.edu

ACADEMIC TRAINING:

1975 B.S. University of Wisconsin, Madison, Wisconsin
1979 M.D. Case Western Reserve School of Medicine, Cleveland, Ohio

POSTDOCTORAL TRAINING:

1979 -1980 Intern in Internal Medicine, Cleveland Metropolitan General Hospital
1980 - 1981 Junior Assistant Resident in Internal Medicine, Cleveland Metropolitan General Hospital
1981 -1982 Senior Assistant Resident in Internal Medicine and Junior Assistant Resident in Neurology, Cleveland Metropolitan General Hospital
1982 -1983 Senior Assistant Resident in Neurology, Cleveland Metropolitan General Hospital
1983 - 1984 Chief Resident in Neurology and Neuropathology, Cleveland Metropolitan General
1984 - 1985 Fellow in the Neurology of Aging, University of Massachusetts Medical Center
1986 - 1988 Chief Resident in Neuropathology, Massachusetts General Hospital
1988 - 1989 Resident in Pathology, Massachusetts General Hospital

ACADEMIC APPOINTMENTS:

1984 - 1985 Clinical Fellow in Neurology, University of Massachusetts Medical Center
1986 - 1989 Clinical Fellow in Neuropathology (Pathology), Harvard Medical School
1989 - 1991 Instructor in Neuropathology (Pathology), Harvard Medical School
1991 - 1994 Assistant Professor in Neuropathology (Pathology), Harvard Medical School
1994 - 2011 Associate Professor in Neurology & Pathology, Boston University School of Medicine
2011 - Professor in Neurology & Pathology, Boston University School of Medicine
2018 - Affiliate Faculty, Department of Biomedical Engineering, Boston University School of Medicine
2018 - William Fairfield Warren Distinguished Professor of Neurology and Pathology, Boston University School of Medicine

HOSPITAL APPOINTMENTS:

1991 - 1994 Assistant Pathologist (Neuropathology), Massachusetts General Hospital
1994 - 2006 Staff member, Boston Medical Center

- 1994 - Staff member, Bedford Veterans Administration Medical Center
- 2009 - Staff member, Boston Veterans Administration Medical Center
- 2010- Clinical privileges: Boston, Bedford VAMCs

AWARDS, HONORS:

- 1984 Cleveland Neuroscience Research Award
- 1984 Cleveland Metropolitan General Hospital Resident Research Award
- 1989 Career Investigator Development Award, sponsored by the National Institute of Neurological and Communicative Disorders and Stroke, KO8 NS 01368
- 1990 Moore Award, American Association of Neuropathologists
- 1994 Merit Award, Department of Veterans Affairs, U.S. Government
- 2006 Moore Award, Honorable Mention, American Association of Neuropathologists
- 2009 Moore Award, Honorable Mention, American Association of Neuropathologists
- 2010 Blythe Memorial Lectureship, University of North Carolina Medical Center, Chapel Hill, North Carolina
- 2010 Massachusetts Neuropsychology Society Keynote Speaker
- 2010 MacFarlane Conference on Brain Injury Keynote Speaker, Little Rock, Arkansas
- 2011 Keynote speaker for Alzheimer's Day, Sponsored by the Department of Biochemistry, Boston University School of Medicine, Boston MA
- 2011 Bostonian of the Year runner-up, Boston Globe
- 2011 Harold Alfond Sports Medicine Lectureship
- 2011 Gabriele Zu Rhein Lectureship in Neuropathology, University of Wisconsin, Madison
- 2011 Sports Legacy Institute, Impact Award
- 2012 Patriot Award, Appleton East High School, given to an alumnus for contributions to the community
- 2012 Merit Award, Department of Veterans Affairs, U.S. Government
- 2013 John Groves Lectureship in Neuropathology, McMaster University, Hamilton, Ontario
- 2013 Zimmerman Lectureship in Neuropathology, Montefiore and Albert Einstein Medical Centers, New York, NY
- 2013 See the Line, Traumatic Brain Injury Symposium Keynote Speaker, London, Ontario, CA
- 2013 Davis Lecture at Samford University, Birmingham AL
- 2013 Adams Lecture, Massachusetts General Hospital, Boston MA
- 2014 Pamela Warden Lectureship 2104, Defense and Veterans Brain Injury Center, Bethesda, MD
- 2014 Keynote lecture, Women in Science (WIS) luncheon, Museum of Science, Boston, MA
- 2014 Ethos Award, Santa Clara University, Institute of Sports Law and Ethics
- 2014 Keynote Lecture, Ochsner Neuroscience Institute, New Orleans, LA
- 2014 Deans Distinguished Lecture, 2014, Case Western Reserve University, Cleveland OH
- 2014 Keynote Lecturer, Third Annual Joining Forces TBI/PTSD Boston University School of Medicine and VA Boston Conference, Boston MA

2015 Topical Lecture, 2015, AAAS annual meeting, San Jose CA
2015 Joseph Leiter Lectureship, National Library of Medicine/Medical Library Association, Austin TX
2015 Stanley Aronson Lectureship, Brown University School of Medicine, Providence RI
2015 See the Line, Keynote Lectureship, Western University, London, Ontario
2015 Pubic Advocacy Lecture, Society for Neuroscience, Chicago, IL
2015 1st Temple University Annual Brain Preparedness Research Day Keynote Speaker, Philadelphia, PA
2016 Spivack Distinguished Scholar in the Neurosciences, Boston University School of Medicine
2016 Keynote lectureship, Boston University Clinical and Translational Science Institute, 5th Annual Translational Research Symposium
2016 Vision Award, Associated Industries of Massachusetts (AIM), Westin Boston Waterfront hotel, Boston MA
2016 Neurology Faculty Research Award, Boston University School of Medicine
2016 Center for Neuroscience at the University of Pittsburgh Scientific Impact Award
2016 Keynote Speaker, Swedish Neuroscience Institute Annual Intensive Update in Neurology, Seattle, WA
2017 Tom Parker Memorial Lectureship, The University of Oklahoma Health Sciences Center, Oklahoma City, OK
2017 Keynote speaker, Chicago Society for Neuroscience, Chicago IL
2017 Peter W. Lampert Memorial Lectureship, University of California, San Diego
2017 Women's Fund Keynote Lecturer, Women's Fund, Appleton WI
2017 Hunter Lectureship, Southwestern Oklahoma University, Wethersford, Oklahoma
2017 Keynote Lectureship, Advances in Neuroscience, St. Lukes, Kansas City, MO
2017 Keynote Lectureship, Power Precision Health, Cambridge MA
2017 The Bostonian of the Year, 2017, Boston Globe
2018 Time 100 Most Influential People in the World, 2018, Time Magazine
2018 Sylvia Mackey Woman of the Year, Mike Ditka's Gridiron Greats
2018 Fast Company 100 Most Creative People in Business 2018
2018 Dr. Alan Ashare Safety Award, Massachusetts Hockey Association
2018 Henry Wisniewski Lifetime Achievement Award in Alzheimer's Disease Research, Alzheimer's Association
2018 Distinguished Alumnus, University of Wisconsin, Madison
2018 National Academy of Medicine
2018 Time 50 Most Influential People in Healthcare 2018, Time Magazine
2019 Commencement speaker, Boston University School of Medicine
2019 William Fairfield Warren Distinguished Professorship, Boston University
2019 Keynote address, European Congress of Sport Science, Prague, Czech Republic
2019 Samuel J. Heyman Service to America Medal, Paul Volker Career Achievement Award, Partnership for Public Service

LICENSES AND CERTIFICATION:

1986 Massachusetts Medical License
1986 American Board of Psychiatry and Neurology
1989 American Board of Pathology - Special Qualification in Neuropathology

DEPARTMENTAL AND UNIVERSITY COMMITTEES

2018 - Promotions Committee, Boston University School of Medicine, Neurology Department

TEACHING EXPERIENCE AND RESPONSIBILITIES:

1983 - 1984 Lab instructor in Neuropathology, Case Western Reserve School of Medicine
1984 - 1985 Tutorial course in Clinical Neurology, University of Massachusetts Medical School
1986-1994 Teaching of Neuropathology to Pathology, Neurology, Neurosurgery and Neuroradiology Residents, Massachusetts General Hospital
1986-1987 Clinical instructor in Harvard Medical School course 709.0, Nervous System Pathophysiology 1987-1992
Instructor in Information Processing and Behavior, Oliver Wendell Holmes Society (New Pathway Program), Harvard Medical School
1994 - present Teaching of Neuropathology to: Medical Students, Pathology Residents, Neurology Residents, Microbiology Students, Dental Students, Graduate Students at the following facilities: Boston University School of Medicine, Mallory Institute of Pathology, Boston Medical Center, Bedford Veterans Administration Medical Center, West Roxbury Veterans Administration Medical Center
1999 - 2006 Lecturer in the Pathological Basis of Disease Course (Boston University Medical students Year 2) – 7 lectures per year
Lecturer in Pathological Basis of Disease Course (Boston University Dental Students) -1 lecture per year
Lecturer in Microbiology (Boston University Medical Students, Year 2) – 2 lectures/year
1994 -present Clinicopathological case presentations: Medical grand rounds – Boston University School of Medicine, Medical and Geriatric Research Educational Clinical Center Neurology Rounds – Bedford Veterans Administration Medical Center, Boston University Alzheimer’s Disease Center, Brain cutting sessions, Jamaica Plain and West Roxbury Veterans Administration Medical Centers

MAJOR MENTORING ACTIVITIES:

2009-2016 Dan Daneshvar, MD, PhD
Primary PhD Advisor
Current position: Assistant Professor, Physical Medicine and Rehabilitation, Harvard Medical School
Boston, MA

Phillip Montenigro
PhD Advisory Committee
Current position: Boston University School of Medicine, Residency
Boston, MA

Christopher Nowinski, PhD
PhD committee
Current position: Concussion Legacy Foundation CEO

Chad Tagge, PhD
PhD Committee
Current position: Biomedical engineer, Becton-Dickinson Laboratory

Mark Wojnarowicz, PhD
PhD Committee
Current position: Patent reviewer at USPTO

Danielle Miller, PhD
PhD Committee
Current position: VA Boston Healthcare System

2015- 2019 Jon Cherry, PhD
Current position: Assistant Professor of Pathology, BUSM
Current position: VA Boston Healthcare System Research Health Scientist

2015- present Ian Mahar, PhD
Current position: Post-doc, McKee lab

2016-2021 Sarah Chancellor, BS
Secondary PhD Advisor
Current position: Industry

2018-2022 Daniel Kirsch, BS
Primary PhD Advisor
Current position, MD, PhD student, Boston University School of Medicine

2020- Katharine Babcock, MS
PhD Committee
Current position: Post-doc, McKee lab

2020- Mogane Butler
PhD Committee
Current position: Post-doc, McKee lab

2021- Samatha Calderazzo, MS
PhD Committee
Current position: Post-doc McKee lab

MAJOR ADMINISTRATIVE RESPONSIBILITIES:

1996- Director of the Neuropathology Core and Brain Bank, Boston University
Alzheimer's Disease Center
1997- Director of Brain Bank, Framingham Heart Study
2008- Director of Neuropathology, VA Boston
2008- Co-Director, Center for the Study of Traumatic Encephalopathy
2008- Director of the VA-BU-CLF Brain Bank
2014- Director of CTE Center, Boston University Alzheimer's Disease Center
2014- Associate Director, Boston University Alzheimer's Disease Center

**OTHER PROFESSIONAL ACTIVITIES:
PROFESSIONAL SOCIETIES: MEMBERSHIPS, OFFICES, AND COMMITTEE
ASSIGNMENTS:**

- 1987- American Association of Neuropathologists
2008- Medical Advisory Board for Sports Legacy Institute (SLI)
2009- Mackey White TBI Committee for the NFLPA (National Football
League Players' Association)
2011 Dana Alliance for Brain Initiatives, Dana Foundation
2012 Co-organizer with Sam Gandy and Steven T DeKosky: Keystone Symposium,
Clinical and Molecular Biology of Traumatic Brain Injury and Post-
Traumatic Stress Disorder, Keystone Colorado, February 26-March 2, 2012
2012 4th International Consensus Conference on Concussion in Sport, Zurich,
Switzerland October 31 -November 2, 2012
2013 National Academies' (National Research Council's) Panel on Human Research
and Engineering at the Army Research Laboratory
2014 Organizer with Lee Goldstein, Ramon Arrastia-Diaz, Keystone Symposium on
Traumatic Brain Injury, Santa Fe, New Mexico, scheduled for January 2016
2015 Organizer, Consensus Conference to define the Neuropathological Criteria for
CTE, Boston, MA February 2015, Sponsored by NINDS and NIBIB
2016 Organizer, 2nd Consensus Conference to define the Neuropathological Criteria for
CTE, Boston, MA November 2016, Sponsored by NINDS and NIBIB
2018 Program Committee, Society for Neuroscience
2018 National Academy of Medicine
2019: Alzheimer's Disease Research Center Neuropathology Cores, Steering Committee

EDITORIAL BOARDS:

- Ad hoc reviewer, *Journal of Neuropathology and Experimental Neurology*
Ad hoc reviewer, *Neurology*
Ad hoc reviewer, *Annals of Neurology*
Ad hoc reviewer, *Neurobiology of Aging*
Ad hoc reviewer, *Arch Neurology*
Ad hoc reviewer, *Brain Research*
Ad hoc reviewer, *Acta Neuropathologica*
Ad hoc reviewer, *Amer J Pathology*

**MAJOR COMMITTEE ASSIGNMENTS:
FEDERAL GOVERNMENT**

- Ad Hoc Reviewer, National Institute of Aging
Neuropathologist and Neurologist, Workshops for the Diagnosis of Progressive Supranuclear
Palsy, NINDS, Neuroepidemiology Branch, 1993, 1994, 1996
Vascular Cognitive Impairment Harmonization Criteria Workshop I – Sponsored by the
NINDS, Canadian Stroke Network, Canadian Institute of Health
Research, Alzheimer's Association, and NIH Office of Rare
Diseases, April 24–27, 2005.
Vascular Cognitive Impairment Harmonization Criteria Workshop II– Cell Biology of Vascular
Cognitive Impairment Workshop – Sponsored by the NINDS, Canadian

Stroke Network, Canadian Institute of Health Research, Alzheimer's Association, and NIH Office of Rare Diseases, 2007
Traumatic Brain Injury Workshop, Sponsored by NIA and NIH, Bethesda MD, September 18-20, 2009
Sensory and Motor Dysfunction in Aging and Alzheimer's Disease Workshop, Sponsored by NIA and NIH, Bethesda MD, August 8 and 9, 2010
Neuropathology of Chronic Traumatic Encephalopathy Workshop, Sponsored by NIH and NINDS, December 5-6, 2012 Bethesda, Maryland
Organizer, First NINDS Consensus Conference to determine the Neuropathological Criteria for CTE, Boston, MA February 25-27, 2015, Sponsored by NINDS and NIBIB
Organizer, Second NINDS Consensus Conference to determine criteria for staging pathological severity in CTE, Boston, MA November 14, 2016, Sponsored by NINDS and NIBIB
Chair and Organizer, TBI as a risk factor for Alzheimer's disease (AD) and AD-related dementia (ADRD) among Veterans. Veterans Affairs -National Institute on Aging-National Institute of Neurological Diseases and Stroke Workshop, February 24-25, 2019, Bethesda, MD

PRIVATE/FOUNDATION:

2012 Co-organizer with Sam Gandy and Steven T DeKosky: Keystone Symposium, Clinical and Molecular Biology of Traumatic Brain Injury and Post-Traumatic Stress Disorder, Keystone Colorado, February 26-March 2, 2012
2014 Organizer with Lee Goldstein, Ramon Arrastia-Diaz, Keystone Symposium on Traumatic Brain Injury, Santa Fe, New Mexico, scheduled for January 2016
2018 Program Committee, Society for Neuroscience

STUDY SECTIONS:

None

STATE:

None

CURRENT SUPPORT:

Title: Risk for Later-Life Cognitive Impairment, Neurobehavioral Dysregulation, and Dementia in Former Soccer and American Football Players: The Head Impact and Trauma Surveillance Study (HITSS)

Role in Project: Co-PI

Type of Grant: R01 (R. Stern) R01NS119651

Funding Agency: NIH

Years Funded: 2/1/2021-1/31/2026

Total Direct Costs: \$3,299,307

Title: Neuropathology Core, Boston University Alzheimer's Disease Core Center

Role in Project: Neuropathology Core Leader

Type of Grant: P30 Center Grant (N. Kowall, PI) P30-AG072978

Funding Agency: NIH/NIA

Years Funded: 7/1/2021-6/30/2026
Total Direct Costs: \$10,000,000

Title: Precision Monitoring and Assessment in the Framingham Study: Cognitive, MRI, Genetic and Biomarker Precursors of AD & Dementia, CORE 8038: Neuropath

Role in Project: Ann McKee, Core PI
Type of Grant: U19
Funding Agency: NIH/NIA, U19AG06875-01
Years Funded: 09/15/2020 – 05/31/2025
Total Direct Costs: \$337,197/yr: \$1,751,652/5 yrs

Title: Traumatic Brain Injury and Repetitive Head Impacts: Contributions to AD, ADRD and CTE Neuropathology and Resulting Clinical Syndromes

Role in Project: Ann McKee, PI
Type of Grant: U54
Funding Agency: NINDS/NIA, U54-NS-115266-02
Years Funded: 09/01/2019 – 07/31/2024
Total Direct Costs: \$1,250,000/yr: \$10,000,000/5 yrs

Title: The Contribution of Age-Related Tauopathies to Alzheimer's Disease

Role in Project: Ann McKee, PI (contact), John Fonda Crary, Dennis Dickson PI
Funding Agency: NIA, R01AG062348-03
Years Funded: 09/30/2018 – 05/31/2023
Total Direct Costs: \$500,000/yr: \$4,123,227/5 yrs

Title: Tau Pathology in CTE vs. Alzheimer's Disease: Microvasculopathy and Neuroinflammation

Role in Project: Ann McKee, PI
Type of Grant: RF1
Funding Agency: NIH/NIA, 1RF1AG057902-01
Years Funded: 9/15/2017-3/31/2022
Total Direct Costs: \$2,469,346

Title: CTBI: CBI Tauopathy in Mice and Human: Neurodegeneration after Repetitive Neurotrauma: Mechanisms and Biomarker Discovery

Role in Project: Ann McKee, PI
Type of Grant: VA Merit Award
Funding Agency: Veterans Administration, U.S. Government
Years Funded: 4/01/2019-03/31/2023
Total Direct Costs: \$1,000,000
Program: Neuropathological alterations after Blast TBI

Title: VA Biorepository Brain Bank

Role in Project: Ann McKee, PI
Type of Grant: VA National Center Grant
Funding Agency: Department of Veterans Affairs
Years Funded: 1/01/2014- 3/31/2022
Total Direct Costs: \$794,283

The major goal of this project is to build a national brain bank to better understand the phenomenology and pathophysiology of ALS

PHILANTHROPIC SUPPORT

Nick and Lynn Buoniconti Foundation: McKee CTE Research 2018, 2019

Anonymous: McKee 2016-2018

WWE 2013-2015: McKee, Nowinski and Goldstein

Andlinger Foundation 2012

PENDING SUPPORT

*Title: **VA Biorepository Brain Bank***

Role in Project: Ann McKee, PI

Type of Grant: VA National Center Grant

Funding Agency: Department of Veterans Affairs

Years Funded: 4/01/2022- 3/31/2026

Total Direct Costs: \$2,381,205

The major goal of this project is to build a national brain bank to better understand the phenomenology and pathophysiology of ALS

*Title: **Systems Analysis of Chronic Traumatic Encephalopathy***

Role on Project: Co-investigator

Type of Grant: R01

Funding Agency: NIH

Years Funded: 5 years

Total Direct Cost: \$535,622

*Title: **Late Pathologies of Exposure to Repetitive Head Impacts from Contract Sports: White Matter and Vascular Contributions to Cognitive Impairment, Dementia, and Neuropsychiatric Symptoms***

Role on Project: MPI

Type of Grant: R01

Funding Agency: NINDS

Years Funded: 5 years

Total Direct Cost: \$2,974,782.00

Examine the association between RHI from contact sports and *in vivo* biomarkers of VM degeneration and CBVD

*Title: **Boston University Alzheimer's Research Center***

Role on Project: Associate Director, Neuropathology Core Leader

Type of Grant: P30

Funding Agency: NIH/NIA 3P30-AG13846

Years Funded: 5 years

Total Direct Cost: \$2,000,000.00

The goals are to build a broad-based research program in Alzheimer's disease to better understand the phenomenology and pathophysiology of the disease, and to facilitate treatment and prevention

PAST SUPPORT

Title: Updating the Neuropathological Criteria for PSP

Role in Project: Ann McKee, subcontract PI

Type of Grant: UCSF/Foundation

Funding Agency: n/a

Years Funded: 12/1/2020 – 07/31/2021

Total Direct Costs: \$15,000

Title: Neuropathology Core, Boston University Alzheimer's Disease Core Center

Role in Project: Neuropathology Core Leader

Type of Grant: P30 Center Grant (N. Kowall, PI) P30-AG13846

Funding Agency: NIH/NIA

Years Funded: 7/1/1996-6/30/2021

Total Direct Costs: \$965,065

Title: National VA Biorepository

Role in Project: Co-investigator, Boston, MA

Type of Grant: VA National Center Grant (N. Kowall, PI)

Funding Agency: Department of Veterans Affairs

Years Funded: 8/01/2009- 7/30/2019

Total Direct Costs: \$1,226,000

The major goal of this project is to build a national brain bank to better understand the phenomenology and pathophysiology of ALS.

Title: CTE and Posttraumatic Neurodegeneration: Neuropathology and Ex Vivo Imaging

Role in Project: Ann McKee, PI

Type of Grant: UO1, NIH Cooperative agreement,

Funding Agencies: National Institute of Neurological Disorders and Stroke (NINDS) National Institute of Biomedical Imaging and Bioengineering (NIBIB)

Years Funded: 12/01/2013-11/30/2017

Total Direct Costs: \$ 6,000,000

(Response to NIH RFA: Collaborative Research on Chronic Traumatic Encephalopathy and Delayed Effects of Traumatic Brain Injury: Neuropathology and Neuroimaging Correlation (U01), Cooperative agreement)

Title: Tau Biomarkers following Blast mTBI in OEF/OIF Veterans

Role in Project: Ann McKee, PI

Type of Grant: VA Merit Award

Funding Agency: Veterans Administration, U.S. Government

Years Funded: 7/01/2013-6/30/2017

Total Direct Costs: \$1,092,348

Program: Tau protein and biomarkers in blast TBI

Title: Molecular & Genetic Investigation of Tau in Chronic Traumatic Encephalopathy

Role in Project: Ann McKee, Co-investigator, Boston, MA

Type of Grant: ERMS#

Funding Agency: Department of Defense

Years Funded: 9/1/14-8/31/17

Total Direct Costs: \$119,335

The objective of this grant is to validate the association of CTE with MAPT and characterize differences the expression of tau protein, tau-associated proteins, tau mRNA and tau-silencing microRNAs in CTE patients.

Title: Unrestricted gift- Center for the Study of Traumatic Encephalopathy

Role in Project: Co-Investigator

Type of Grant: Private Agency

Funding Agency: National Football League

Years Funded: 5/01/2010 – 8/31/11

Total Gift: \$1,000,000

Title: MRI, Genetic and Cognitive Precursors of AD and Dementia

Role in Project: Co-Investigator

Type of Grant: RO1 (Phillip Wolf, PI) 2 R01 AG1649

Funding Agency: National Institute on Aging

Years Funded: 6/30/10-05/31/15

Total Direct Costs: \$825,557

The goals of the study are to relate risk factors for Alzheimer's Disease (AD) and dementia in the Framingham Offspring and Omni cohorts to changes in brain morphology measured by Magnetic Resonance Imaging (MR) and cognitive performance.

Title: Neuropathological and Clinical Consequences of Repetitive Concussion in Athletes

Role in Project: Co-PI (Robert Stern, Co-PI)

Type of Grant: Private Foundation

Funding Agency: National Operating Committee on Standards for Athletic Equipment (NOCSAE)

Years funded: 2/1/2009-5/1/2011

Total Direct Costs: \$249,997

To establish a living brain donation registry, conduct neuropathological examinations, and collect pilot clinical research data, investigating the long-term consequences of repetitive head trauma in athletes.

Title: Neuropathologic Examination of Traumatic Encephalopathy in Athletes with Histories of Repetitive Concussion

Role in Project: Co-PI (Robert Stern Co-PI)

Type of Grant: Supplement to Boston University Alzheimer's Disease Center

Funding Agency: NIA

Years Funded: 7/1/2008-6/30/2009

Total Direct Costs: \$100,000

To establish a brain bank, brain donation program, and clinical research program, investigating the long-term consequences of repetitive concussions.

Title: Development of Minimal Diagnostic Criteria for Chronic Traumatic Encephalopathy

Role in Project: Co-PI (Robert Stern Co-PI)

Type of Grant: Supplement to Boston University Alzheimer's Disease Center

Funding Agency: NIA

Years Funded: 7/1/2009-6/30/2010

Total Direct Costs: \$100,000

To develop minimal diagnostic neuropathological criteria for Chronic Traumatic Encephalopathy

Title: Establishment of the Center for the Study of Traumatic Encephalopathy

Role in Project: Co-PI (Robert Stern Co-PI)

Type of Grant: BU Internal Funding

Funding Agency:

Years Funded: 7/1/2008-6/30/2009

Total Direct Costs: \$55,000

A formal collaboration with the non-profit Sports Legacy Institute (SLI) establishing the Center for the Study of Traumatic Encephalopathy (CSTE). The Center, jointly located at Boston University School of Medicine (BUSM) and the Edith Nourse Rogers Memorial Veterans Hospital, for studying Chronic Traumatic Encephalopathy (CTE).

Title: Role of Somatic mtDNA Mutations in Late-Onset Neurodegeneration

Role in Project: Co-Investigator

Type of Grant: RO1, Konstantin Khrapko, PI R01 ES11343

Funding Agency: NINDS

Years Funded: 6/1/01 - 5/31/06

Title: Tau Hyperphosphorylation in Alzheimer's Disease

Role in Project: Ann McKee, PI

Type of Grant: Merit Award

Funding Agency: Veterans Administration, U.S. Government

Years Funded: 2/1/94 - 1/31/99

Total Direct Costs: \$650,000

Title: Microtubule Reorganization in Alzheimer's Disease

Role in Project: Ann McKee, PI, KO8 NS 01368

Type of Grant: Career Investigator Development Award

Funding Agency: National Institute of Neurological and Communicative Disorders and Stroke

Years Funded: 7/01/89- 6/30/94

Total Direct Costs: \$500,000

SENATE and CONGRESSIONAL TESTIMONY or BRIEFINGS

- October 28, 2009** **Congressional Hearing on the Legal Issues Relating to Football Head Injuries.**<http://www.cspan.org/Watch/Media/2009/10/28/HP/A/24819/House+Judiciary+Cmte+Hearing+on+NFL+Head+Injuries.asp>
- October 6, 2011** **Congressional Briefing on TBI.** Hosted by the Dana Foundation and the AAAS, Rayburn Office building
- October 19, 2011** **Hearing before the Senate Committee on Commerce, Science & Transportation: Detection and Treatment of Concussions in Student Athletes** <http://www.c-spanvideo.org/program/302174-1>
- July 20, 2012** **Congressional Briefing: Emerging Research in Head Injuries: What's Happening to our War and Sports Heroes?** Hosted by: The Congressional Men's Health Caucus and the Men's Health Network
- March 14, 2016** **Congressional Roundtable Forum- Broad Review on Concussion,** sponsored by the House Energy and Commerce Committee, Washington DC
- December 8, 2016** **Congressional Hearing on Congressional Hearing on Mixed Martial**

Arts: Issues and Perspectives, Sponsored by the Subcommittee on Commerce, Manufacturing, and Trade, Rayburn Office building Washington, DC

September 14, 2017 **Congressional Briefing on Understanding and Minimizing Sports-Related Brain Injuries**, Sponsored by the American Brain Coalition, Rayburn Office building, Washington DC

October 13, 2017 Democratic Forum on “**Addressing the Long-Term Effects of Football-Related Brain Injuries**” House Energy and Commerce Committee and House Judiciary Committee, Rayburn Office building, Washington DC

INVITED LECTURES AND PRESENTATIONS

INTERNATIONAL:

February 5, 2011 *Chronic Traumatic Encephalopathy: What we have learned from athletes*
Mild Traumatic Brain Injury: Challenges and Controversies in Research Conference, Toronto Rehabilitation Center, Toronto ON

June 23, 2011 Suna Kıraç Conference on Neurodegeneration, ALS-IST 2011: *Recent Themes in Motor Neuron Biology and Neurodegeneration*, Istanbul, Turkey

July 12, 2011 *Chronic Traumatic Encephalopathy* International Symposium on Brain Injury in Children Conference, Hospital for Sick Children, Toronto, ON

September 24, 2011 *Chronic Traumatic Encephalopathy: What we have learned from athletes* Neurotrauma Research Day, University of British Columbia

November 20, 2011 *Chronic Traumatic Encephalopathy: What we have learned from athletes* University of Toronto Department of Laboratory Medicine and Pathobiology Neuropathology Day, Toronto, ON

November 2, 2012 *What is the pathological evidence for concussion related changes in the brains of retired athletes?* 4th International Consensus Conference on Concussion in Sport, Zurich, Switzerland November 2, 2012

November 23, 2012 *Chronic Traumatic Encephalopathy 2012* Seminar on Boxing and the Brain, The Royal College of Surgeons, Stephens Green, Dublin Ireland

April 19, 2013 *Chronic post-traumatic encephalopathy in professional sport*, John Groves Lectureship in Neuropathology, 6th Annual Neuropathology Day at McMaster, Hamilton, Ontario, Canada

May 29, 2013 *Interneuronal spreading of tau pathology in chronic traumatic encephalopathy*, PRION 2013: Conquering Frontiers, Banff, Alberta, Canada

July 9, 2013 *Emerging Concepts in Chronic Traumatic Encephalopathy*, 3rd Biennial Conference – Brain Injury in Children, Toronto, Canada

August 14, 2013 *Chronic Traumatic Encephalopathy*, Keynote Speaker, See the Line-Traumatic Brain Injury Symposium, Western School of Medicine, London, Ontario

September 15, 2014 *CTE: current concepts*, TBI Society of Brazil, Sao Paulo, Brazil

September 17, 2014 *CTE and the military*, XVIII International Congress of Neuropathology, Rio de Janeiro, Brazil

September 18, 2014 *CTE and athletes*, Neurological Grand Rounds, Good Samaritan Hospital, Sao Paulo, Brazil

- September 19, 2014 *CTE –emerging concepts*, Neurological Grand Rounds, University of Sao Paulo Medical School, Sao Paulo, Brazil
- November 11, 2014 *CTE in athletes*, XXIV Congresso Brasileiro de Neurologica, Curitiba, Brazil
- June 5, 2015 *CTE: The Last Seven Years*. ISMRM 2015 Annual Meeting Plenary Presentation, Toronto Canada
- August 12, 2015 *Football, Hockey and the Brain*. Keynote Speaker, See the Line-Traumatic Brain Injury Symposium III, Western School of Medicine, London, Ontario
- April 17, 2016 *CTE 2016: What We Know Now*, American Association of Neurology Dementia Update, Vancouver BC, Canada
- April 20, 2016 *CTE: A possible long-term consequence of repetitive neurotrauma*, American Association of Neurology Concussion Symposium, Vancouver BC, Canada
- July 16, 2017 *Tau Pathology and Traumatic Encephalopathy*, Alzheimer’s Association International Conference, London UK
- May 9, 2018 *Chronic Traumatic Encephalopathy*, Lori Dolman Lectureship, University of British Columbia, Vancouver, BC
- March 21, 2019 *CTE: An Update. The Problem with Soccer*. 13th Göttingen Meeting of the German Neuroscience Society, Göttingen Germany
- April 16, 2019 *CTE: Updates 2019*, British Neuroscience Association, Dublin, Ireland
- July 5, 2019 *CTE in Top Athletes*, European Congress of Sport Science, Prague, Czech Republic
- November 13, 2020 *Neurodegenerative Diseases and Cognition, Focusing on Chronic Traumatic Brain Injury and Vascular Injury*, The Annual Autumn Conference of the Korean Dementia Association (KDA), Seoul, South Korea, virtual

NATIONAL:

- May 19th, 2009 *Chronic Traumatic Encephalopathy in Athletes*, National Football League, Mild Traumatic Brain Injury Committee, New York, NY
- September 18, 2009 *Chronic Traumatic Encephalopathy: Progressive tauopathy following repetitive head injury*. Traumatic Brain Injury Workshop, Sponsored by NIA and NIH, Bethesda MD
- October 16, 2009 *Traumatic Encephalopathy*, American Association of Professional Ringside Physicians, Mohegan Sun, Uncasville, CT
- October 28, 2009 Congressional Hearing on the Legal Issues Relating to Football Head Injuries. <http://www.cspan.org/Watch/Media/2009/10/28/HP/A/24819/House+Judiciary+Cmte+Hearing+on+NFL+Head+Injuries.asp>
- November 10, 2009 *Chronic Traumatic Encephalopathy Update*, National Football League, Mild Traumatic Brain Injury Committee, New York, NY
- January 26, 2010 *Center for the Study of Chronic Traumatic Encephalopathy*, National Football League Players' Association TBI committee, The Breakers, Palm Beach, FL
- March 6-10, 2010 *Chronic Traumatic Encephalopathy in Athletes: the role of axonal pathology*, 2010 Marian Kies colloquium, Indicators of axonal pathology in the CNS, American Society of Neurochemistry, Santa Fe, NM

- March 30, 2010 *Chronic Traumatic Encephalopathy. Keynote Speaker, Blythe Memorial Lecture, University of North Carolina Medical Center, Chapel Hill, NC*
- April 22, 2010 *Chronic Traumatic Encephalopathy: What we have learned from athletes. Keynote speaker in Traumatic Brain Injury: Implications for Sport and Health University of Baltimore School of Law and its Center for Sport and the Law, Baltimore MD*
- June 2, 2010 *Chronic Traumatic Encephalopathy: a distinct pathological entity associated with head injuries. NFL- Johns Hopkins Conference on Head Injuries in Football, Baltimore MD*
- July 21, 2010 *Chronic Traumatic Encephalopathy. Keynote Speaker MacFarlane Conference on Brain Injury, Little Rock, Arkansas*
- August 1, 2010 *Chronic Traumatic Encephalopathy: What we have learned from athletes New Jersey Athletic Trainers Association, Princeton, NJ*
- August 8, 2010 *The Neuropathology of Preclinical Alzheimer's Disease: The Role of the Visual Association Cortex and the Lens. Sensory and Motor Dysfunction in Aging and Alzheimer's Disease Workshop, Sponsored by NIA and NIH, Bethesda MD*
- August 30, 2010 *The Long-term Sequelae of Mild Traumatic Brain Injury. DBVIC. Military TBI Training Conference, Washington DC*
- August 31, 2010 *The Long Term Sequelae of Traumatic Brain Injury - What we've learned from athletes: Chronic Traumatic Encephalopathy. Private presentation to General Chiarelli, Vice Chief of Staff U.S Army, Pentagon, Washington, D.C.*
- September 10, 2010 *Major Consequences of Invisible Brain Injury University of California, San Francisco Neurology Grand Rounds, San Francisco, CA*
- October 1, 2010 *Chronic Traumatic Encephalopathy: What we have learned from athletes Wisconsin Psychiatric Association Meeting, Green Bay WI*
- October 19, 2010 *The Science of Repetitive Head Trauma (Sub-Concussive Events): Chronic Traumatic Encephalopathy (CTE) Ice Hockey Concussion Summit. Mayo Clinic Rochester, MN*
- November 3, 2010 *Decoding the True Impact of Repetitive Brain Trauma/ Chronic Traumatic Encephalopathy/ Encephalomyelopathy Boston University Alumni Association Breakfast Meeting with President Robert Brown, Standard Club, Chicago IL*
- December 3, 2010 *Chronic Traumatic Encephalopathy: What we have learned from athletes Marshfield Clinic Grand Rounds, Marshfield, WI*
- December 16, 2010 *Mild TBI, Major Consequences: Chronic Traumatic Encephalopathy/ Encephalomyelopathy. Walter Reed Army Hospital. Bethesda MD*
- February 4, 2011 *Chronic Traumatic Encephalopathy: What we have learned from athletes Sports-Related Brain Injury Panel Lecture, Nebraska Wesleyan University, Lincoln, NE*
- February 15, 2011 *Major Consequences of Invisible Brain Injury: Chronic traumatic encephalopathy and encephalomyelopathy. University of Massachusetts Grand Rounds, Worcester, MA*
- March 3, 2011 *Chronic Traumatic Encephalopathy: What we have learned Harold Alford Sports Medicine Lecture, University of New England Biddeford ME*
- March 16, 2011 *Chronic Traumatic Encephalopathy The Regeneration of Brain Synapses: Science, Implications and Opportunities Conference, Bethesda, MD*

March 30, 2011 *Chronic Traumatic Encephalopathy: What we have learned from athletes* University of New Mexico Grand Rounds, Albuquerque, NM

April 15, 2011 *The Pathology of Chronic Traumatic Encephalopathy* Cumulative Sports Concussion and Risk of Dementia American Academy of Neurology Annual Meeting, Honolulu, HI

April 17, 2011 I. *Acute Concussive and Subconcussive injury* II. *Chronic Traumatic Encephalopathy: What we have learned from athletes* Traumatic Brain Disorders - Neurobehavioral Assessment and Management Conference, Columbus, OH

April 29, 2011 University of Edinboro Concussion Conference, Edinboro, PA

May 11, 2011 *Chronic Traumatic Encephalopathy: Your brain on football.* Keynote speaker, Christ Medical Center Neurosciences Institute, Oak Lawn, IL

June 19, 2011 *Chronic Traumatic Encephalopathy* National Athletic trainers Association Annual Meeting, New Orleans, LA

August 16, 2011 *Traumatic Brain Injury* Neurobiology of Brain Dysfunction, Marine Biological Laboratory, Woods Hole, MA

August 22, 2011 *The Long-term Sequelae of Mild Traumatic Brain Injury.* DVBIC. Military TBI Training Conference, Washington DC

September 8, 2011 NIH ALS Conference: Clinical Research to Find the Pathogenesis and Cause of ALS, Tarrytown, NY

September 21, 2011 *Chronic Traumatic Encephalopathy* Institute for Memory Impairments and Neurological Disorders Frontiers of the MIND Keynote Speaker, University of California Irvine, CA

October 6, 2011 Capitol Hill briefing on TBI, sponsored by the Dana Foundation and the AAAS, Rayburn Office building

October 7, 2011 *Chronic Traumatic Encephalopathy: What we have learned from athletes* Stroke Rehab Center Conference, Inova Mount Vernon Hospital, Alexandria, VA

October 21, 2011 *Chronic Traumatic Encephalopathy: What we have learned from athletes* Neurology Grand Rounds, Temple University, Philadelphia, PA

October 21, 2011 *Recurrent Athletic mTBI, Cerebral Tauopathy, and Chronic Traumatic Encephalopathy* Seventh Annual Lachman Series, Pennsylvania Orthopedic Society, Philadelphia, PA

October 28, 2011 *Long-Term Effects of Repetitive Concussive and Subconcussive Brain Trauma: Chronic Traumatic Encephalopathy (CTE)* Head Trauma and the Athlete Conference, Framingham, MA

October 29, 2011 *Mild Traumatic Brain Injury and Chronic Traumatic Encephalopathy: What we have learned from athletes* Annual Education Conference, Brain Injury Association of Illinois, Oakbrook, IL

November 2, 2011 Sports Injury and Alzheimer's disease: Is there a Connection? Rhode Island Alzheimer's Association Lecture, Providence, RI

November 3, 2011 Gabriele Zu Rhein Lectureship in Neuropathology, University of Wisconsin, Madison WI

November 16, 2011 *Chronic Traumatic Encephalopathy* President's Lecture Series on Health, Regis College, Wellesley, MA

January 7, 2012 *Chronic Traumatic Encephalopathy* Eastern Athletic trainers Association Annual Meeting, New Orleans, LA

February 16, 2012 *Chronic Traumatic Encephalopathy: What we have learned from athletes* Neurology Grand Rounds, University of Pennsylvania, Philadelphia, PA

February 22, 2012 *Chronic Traumatic Encephalopathy: What we have learned from athletes* Neuroscience and Behavior Program, University of Massachusetts, Amherst, MA

February 27, 2012 *Chronic Traumatic Encephalopathy: What we have learned from athletes* Keystone Symposium, Clinical and Molecular Biology of Traumatic Brain Injury and Post-Traumatic Stress Disorder, Keystone, CO

March 5, 2012 *The Long-term Consequences of Repetitive Concussion*, Appleton High School East, Appleton, WI

April 2, 2012 *Chronic Traumatic Encephalopathy*, Wisconsin coroners and medical examiners, Appleton WI

April 17, 2012 *Chronic Traumatic Encephalopathy: What we have learned from athletes and Veterans*, Columbia-Presbyterian Neurology Grand Rounds, New York, NY

May 25, 2012 *Chronic Traumatic Encephalopathy*, Loyola School of Medicine, Chicago IL

June 21, 2012 *Chronic Traumatic Encephalopathy: What we have learned from athletes and Veterans* Plenary speaker, American Association of Neuropathologists annual meeting 2012, Chicago IL

July 25, 2012 *Chronic Traumatic Encephalopathy* Plenary speaker, Neurotrauma Society annual meeting 2012, Phoenix, AZ

August 5, 2012 *Chronic Traumatic Encephalopathy 2012*, American Psychological Association, Orlando FL

August 15, 2012 *Chronic Traumatic Encephalopathy in the Military* Plenary speaker, Military Health System Research Symposium annual meeting 2012, Fort Lauderdale, FL

August 16, 2012 *Chronic Traumatic Encephalopathy: What we have learned from athletes and Veterans* Breakout session speaker, Military Health System Research Symposium annual meeting 2012, Fort Lauderdale, FL

September 28, 2012 *Chronic Traumatic Encephalopathy 2012* Mayo Clinic Symposium on Concussion in Sport, Scottsdale, AZ

October 1, 2012 *Neuropathological Spectrum of Chronic Traumatic Encephalopathy* Lou Ruvo Symposium on Chronic Traumatic Encephalopathy, Cleveland Clinic, Las Vegas, NV

October 5, 2012 *Chronic Traumatic Encephalopathy 2012* American Neurological Association annual meeting, Lunch Discussion, Boston MA

October 23, 2012 *Chronic Traumatic Encephalopathy 2012* AAAS-DANA Foundation Event on "The Science and Impact of TBI", Washington, DC

December 5, 2012 *Chronic Traumatic Encephalopathy-Insights from the brains of athletes* NIH Workshop on the Neuropathology of CTE, Bethesda MD

December 10, 2012 *Chronic Traumatic Encephalopathy 2012* Neurology Grand Rounds, Washington University St. Louis, MO

February 13, 2013 *Concussions to Chronic Traumatic Encephalopathy: what is the evidence?* Merrimack College, North Andover MA

April 11, 2013 *Brain Damage and Recovery* Judicial Seminar on Emerging Issues in Neuroscience, Sponsored by the American Association for the Advancement of Science, the Federal Judicial Center, the National Center for State Courts, the American Bar Association Judicial Division, and the Dana Foundation, and hosted by the Yerkes National Primate Research Center of Emory University, Atlanta, GA

May 5, 2013 *Ocular Manifestations of Chronic Traumatic Encephalopathy*, Association for Research in Vision and Ophthalmology annual meeting, Seattle, WA

May 9, 2013 *Chronic Traumatic Encephalopathy 2013*, Harry Zimmerman Lectureship in Neuropathology, Montefiore Albert Einstein Medical Centers, New York, NY

September 20, 2013 *Current Challenges in Chronic Traumatic Encephalopathy and Mild Traumatic Brain Injury*. Accelerating Translational Neurotechnology: Fourth Annual Aspen Brain Forum Aspen, CO

October 8, 2013 *Prospective Study of CTE using Neuro Imaging with Post Mortem as a Final Validation/Challenges*. Ice Hockey Summit II. Mayo Clinic, Rochester, MN

October 11, 2013 *Emerging Concepts in Chronic Traumatic Encephalopathy*, Davis Lecture at Samford University, Birmingham AL

November 18, 2013 *Emerging Concepts in Chronic Traumatic Encephalopathy*, Vanderbilt University, Nashville, TN

December 3, 2013 *Emerging Concepts in Chronic Traumatic Encephalopathy*, University of Tennessee Health Sciences Center, Memphis, TN

December 13, 2013 *Emerging Concepts in Chronic Traumatic Encephalopathy*, Mayo Clinic Jacksonville, Jacksonville, FL

April 3, 2014 *Consequences of mTBI in athletes and military veterans*, Pamela Warden Lectureship 2104, Defense and Veterans Brain Injury Center, Bethesda, MD

April 4, 2014 *Update on CTE in athletes*, Wisconsin Athletic Trainers' Association Annual Meeting and Symposium, Eau Claire WI

April 30, 2014 *Update on CTE research*, SLI Family Huddle & McHale Memorial, Washington DC

May 3, 2014 Pathology of CTE, American Association of Neurologists Annual Meeting, Philadelphia PA

May 20, 2014 Current concepts in CTE, Ochsner Neuroscience Institute, New Orleans, LA

June 9, 2014 *Ophthalmological Manifestations of CTE*, American Association of Neuropathologists, Portland, OR

October 16, 2014 *Emerging Concepts in CTE*, Deans Distinguished Lecture, Case Western Reserve University, Cleveland, OH

November 7, 2014 *Update on Chronic Traumatic Encephalopathy*, Elon University, NC

November 14, 2014 *Update on Chronic Traumatic Encephalopathy* University of New England, Providence, RI

November 20, 2014 *CTE: Emerging Concepts* Texas Neurological Society, Houston, TX

November 21, 2014 *Football and CTE* 4th Annual Huffines Discussion. Texas A&M, Houston, TX

December 12, 2014 *Update on Chronic Traumatic Encephalopathy*, University of Vermont, Neurology grand rounds

January 16, 2015 *Emerging Concepts in Chronic Traumatic Encephalopathy*, Human Amyloid Imaging, Miami FL

January 17, 2015 *Chronic Traumatic Encephalopathy- the last 7 years*, Mild Cognitive Impairment, Miami FL

January 29, 2015 *Chronic Traumatic Encephalopathy*, M& R Update Conference, Park City UT

February 14, 2015 CTE 2015, AAAS Annual meeting, San Jose CA

March 31, 2015 *Update on CTE*, FNIH - Sports and Health Research Program Stakeholder Board Meeting, Bethesda, MD

April 18, 2015 *CTE- the last 7 years*, American Medical Society for Sports Medicine (AMSSM) - Hollywood, FL

April 20, 2015 *Update on CTE*, AAN Annual meeting, Washington DC

May 1, 2015 *Retinal Pathology in CTE*, ARVO, Denver CO

May 20, 2015 *Boxing, football and the brain*, Joseph Leiter Lectureship, Medical Library Association/ National Library of Medicine, Austin TX

June 3, 2015 *Boxing, football and the brain*, Stanley Aronson Lecture, Brown University School of Medicine, Providence RI

June 24, 2015 *Boxing, Football and the Brain. Concussion: a National Challenge*, hosted by the National Academy of Engineering and the Institute of Medicine, Cleveland, OH

July 2, 2015 *Pathological Considerations in CTE Neuroimaging*, National Neurotrauma Society, Sante Fe, NM

August 25-26, 2015 *Mild TBI, Major Consequences: What do we know?* TBI: State of the Art Conference, sponsored by the VA, NIH, DOD. Washington, DC

September 17, 2015 *Boxing, football and the Brain* Dialogue on Discovery 2015, Case Western Reserve University School of Medicine, Cleveland OH

September 25, 2015 *Update on the Pathology of CTE*. Alzheimer's Disease Centers Neuropathology Core meeting, Chicago, IL

October 20, 2015 *Football and the Brain*, Public Advocacy Forum on Sports, sponsored by the Society for Neuroscience, Chicago, IL

October 22, 2015 *Boxing, Football and the Brain* Neurology Grand Rounds, Albert Einstein School of Medicine, New York, NY

October 29, 2015 *The Spectrum of Disease in CTE*. Symposium on Brain Injury Research, Virginia Tech, Blacksburg, VA

October 30, 2015 *Boxing, Football and the Brain* Neurology Grand Rounds, University of Wisconsin School of Medicine, Madison WI

October 30, 2015 *Potential long-term Consequences of Concussive and Subconcussive Injury* Sports Medicine Conference, University of Wisconsin School of Medicine, Madison WI

November 20, 2015 *Football and the Brain*, Keynote Speaker 1st Temple University Annual Brain Preparedness Research Day, Temple University, Philadelphia, PA

January 25, 2016 *CTE 2016: What We Know Now* 2016 Keystone Symposium on the Clinical, Pathological and Translational Mechanisms of Traumatic Brain Injury, Sante Fe, NM

February 11, 2016 *Football and the Brain*, Mount Sinai School of Medicine Neuroscience Grand Rounds, New York City, NY

February 25, 2016 *Football and the Brain*, BU Federal Relations Panel with Jonathan Woodson, Assistant Secretary of Defense for Health Affairs, Reserve Officers Association, Washington DC

March 9, 2016 *Football and the Brain*, Keynote Speaker, Indiana University and Purdue University, Indianapolis, IN

March 10, 2016 *CTE 2016: What We Know Now* Indiana University School of Medicine, Indianapolis, IN

March 14, 2016 Congressional Roundtable Forum Broad Review on Concussion, sponsored by the House Energy and Commerce Committee, Washington DC

March 28, 2016 *CTE 2016: What We Know Now*, Boston University Clinical and

Translational Science Institute, 5th Annual Translational Research Symposium

April 8, 2016 *CTE: A Trauma-induced Neurodegeneration*, Spring Brain Conference, Sedona, AR

April 29, 2016 *CTE 2016: What We Know Now* ARVO, Seattle WA

June 16, 2016 *CTE 2016: What We Know Now, What We Need to Know* American Association of Neuropathologists, Baltimore MD

September 9, 2016 *CTE: What We Know Now* Center for Neuroscience at the University of Pittsburg Scientific Impact Award, Pittsburgh, PA

September 15, 2016 *Football and the Brain*, Keynote Speaker, Swedish Neuroscience Institute Annual Intensive Update in Neurology, Seattle, WA

November 29, 2016 *Football and the Brain*, Neurology Grand Rounds, University of Alabama, Birmingham, AL

December 1, 2016 *What We've Learned From Athletes*, Military Risk Factors for Dementia, sponsored by the Alzheimer's Association, Washington, DC

February 8-9, 2017 *Football and the Brain*, 2017 Regenerative Medicine Institute Symposium Stem Cells and Neurological Trauma: From the Playing Fields to the Battle Fields, February 9-10, 2017: Cedars-Sinai Medical Center, Los Angeles, CA

February 23, 2017 *CTE Update 2017*, Guest speaker, Institute for Neurodegenerative Diseases, University of California, San Francisco, CA

March 3, 2017 *Football and the Brain*, TBI Symposium, SUNY Upstate Medical University, Syracuse NY

March 8, 2017 *Football and the Brain*, Tom Parker Memorial Lectureship, The University of Oklahoma Health Sciences Center, Oklahoma City OK

March 31, 2017 *Football and the Brain*, Keynote speaker, Chicago Society for Neuroscience, Chicago IL

April 12, 2017 *Football and the Brain*, Peter W. Lampert Memorial Lectureship, University of California, San Diego, CA

April 27, 2017 *Neuropathology of CTE*, American Academy of Neurology, Boston MA

September 7, 2017 *Success is Not a Random Act*, Women's Fund, Appleton WI

September 14, 2017 *CTE: What We Know, What We Need to Know*, Washington, DC

October 5, 2017 *The Problem with Football*, Hunter lectureship, Southwestern Oklahoma University, Wethersford, OK

October 27, 2017 *Updates in CTE*, American Congress of Rehabilitation Medicine, Atlanta, GA

November 6, 2017 *Tau Pathology in Chronic Traumatic Encephalopathy*, Tau Retreat sponsored by the Milken Institute, Washington DC

December 7, 2017 *Post-traumatic Tauopathy*, Banbury Conference on Neuroinflammation, Cold Springs Harbor, NY

March 2, 2018 *Update on CTE: 2018* Neurology Grand Rounds, SUNY Downstate, Brooklyn, NY

March 26, 2018 *Update on CTE: 2018*, Ohio State University Neurosciences, Columbus OH

April 3, 2018 *Update on CTE: 2018*, New York Institute of Technology College of Osteopathic Medicine Distinguished Medical Lecture Series, Jonesboro, AK

May 7, 2018 *Microvascular Changes associated with Traumatic Brain Injury*,

- NHLBI Workshop on Vascular Contributions to Cognitive Impairment and Dementia in collaboration with NINDS, Bethesda MD
- June 5, 2018 *The Faces of CTE*, The Seminar, La Cantera Resort, San Antonio TX.
- June 14, 2018 *The Blonde Lady: My Experience with CTE*, Lawrence University, Appleton, WI
- July 22, 2018 *CTE: A Post-Traumatic Tauopathy*, AAN Sports Concussion Conference, Indianapolis, IN
- November 15, 2018 *CTE: A Post-Traumatic Tauopathy*, UCLA Molecular Biology Grand Rounds, Los Angeles, CA
- March 30, 2019 *The Face of CTE. The Changing Landscape of Concussion* Princeton University, Princeton, NJ
- April 25, 2019 *Key Health and Safety Issues Facing Collegiate Student Athletes with specific reference to Chronic Traumatic Encephalopathy*, Intercollegiate Athletics Scoping Meeting, National Academy of Sciences, Washington, DC
- December 2-3, 2020 *Breakthroughs in Brain Health*, Forbes Healthcare Summit, Jersey City, NJ, virtual
- December 9, 2020 *CTE 2020: Where are we?* Grand Round Series, University of Maryland, Baltimore MD, virtual
- February 6, 2021 *CTE 2021: Where are we?* Texas Neurological Society, Virtual Winter Conference, February 6, 2021, Houston, TX, virtual
- February 17, 2021 *CTE: Status Literature*, TBI Webinar Series 2021, Lexington, KY, virtual

REGIONAL/LOCAL

- 1996 – 2016 *Cognitive and Behavioral Neurology: Focus on Dementia*, Harvard Medical School CME course, “Neuropathology of Dementia,” Annual Course, Boston, MA
- April 24, 2009 *Chronic Traumatic Encephalopathy*, Concussion and Athlete Conference, Franklin Pierce University, Rindge, NH
- May 1, 2009 *Chronic Traumatic Encephalopathy*, Sixth Annual Sports-Related Conference on Concussion and Spine Injury, Harvard Medical School CME course, Fenway Park, Boston MA
- May 15, 2009 *Cognitive and Behavioral Neurology: Focus on Dementia*, Harvard Medical School CME course, “Neuropathology of Dementia,” Annual Course, Boston MA
- September 24, 2009 *Recent findings in professional and non-professional football players*, Harvard Faculty Club Breakfast Meeting, Harvard Club, Boston, MA
- September 29, 2009 *Chronic Traumatic Encephalopathy in Athletes*, Physicians of the Middlesex Central District of the Massachusetts Medical Society, Emerson Hospital, Concord, MA
- October 2, 2009 *Chronic Traumatic Encephalopathy in Athletes*, Boston University School of Medicine CME course, Concussion and the Athlete conference, Gillette Stadium, Foxborough, MA
- January 10, 2010 *Chronic Traumatic Encephalopathy*, Eastern Athletic Trainer's Association, Copley Marriot, Boston, MA
- February 25, 2010 *Chronic Traumatic Encephalopathy, an update*. Roxbury Society for Medical Improvement, The Country Club, Brookline, MA

- April 12, 2010 *Chronic Traumatic Encephalopathy: What we have learned from athletes.* University of Massachusetts, Lowell Campus, Research Seminar, Lowell, MA
- April 15, 2010 *What is so Special about our Brain?* Community Action Council, Community Center, Roxbury MA
- April 27, 2010 *Chronic Traumatic Encephalopathy: What we have learned from athletes and soldiers.* VA Research Day, West Roxbury VAMC, West Roxbury, MA
- May 14, 2010 *Chronic Traumatic Encephalopathy*, Seventh Annual Sports-Related Conference on Concussion and Spine Injury, *Harvard Medical School CME course*, Fenway Park, Boston, MA
- May 15, 2010 *Cognitive and Behavioral Neurology: Focus on Dementia*, *Harvard Medical School CME course*, “Neuropathology of Dementia,” Annual Course, Boston, MA
- June 8, 2010 *Chronic Traumatic Encephalopathy: a distinct pathological entity associated with head injuries.* Massachusetts Neuropsychology Society, Keynote Speaker, Brookline, MA
- August 26, 2010 *The Long-Term Sequelae of Traumatic Brain Injury - What we’ve learned from athletes: Chronic Traumatic Encephalopathy.* Private presentation to Secretary Shinseki, Bedford VAMC, Bedford, MA
- September 21, 2010 *The Invisible Injury: Mild TBI, Major Consequences.* Annual Keynote Keynote speaker for Alzheimer's Day, Sponsored by the Department of Biochemistry Boston University School of Medicine, Boston, MA
- October 1, 2010 *Long-Term Effects of Repetitive Concussive and Subconcussive Brain Trauma: Chronic Traumatic Encephalopathy (CTE)* Head Trauma and the Athlete Conference, Waltham, MA
- October 29, 2010 *The Long-Term Sequelae of Traumatic Brain Injury - What we’ve learned from athletes: Chronic Traumatic Encephalopathy.* Private presentation to Rear Admiral Christine Hunter Deputy Director TRICARE Management Activity, Boston University School of Medicine, Boston, MA
- November 15, 2010 *The Neuropathological Substrate of MCI.* Boston University Alzheimer's Disease Symposium on Mild Cognitive Impairment, Hebert Lounge, BUSM, Boston, MA
- November 16, 2010 *Our Brain in Aging and Disease*, Community Action Council, 12th Baptist Church, Roxbury, MA
- December 30, 2010 *Chronic Traumatic Encephalopathy: What we have learned from athletes.* Boston Museum of Science featured talk. Boston, MA
- February 3, 2011 *Chronic Traumatic Encephalopathy: What we have learned from athletes* International Neuropsychological Society Meeting, Boston, MA
- May 15, 2011 *Cognitive and Behavioral Neurology: Focus on Dementia*, *Harvard Medical School CME course*, “CTE,” Annual Course, Boston, MA
- December 1, 2011 *The Long-term Consequences of Repetitive Concussion*, Boston University Academy, Boston, MA
- May 18, 2012 *Chronic Traumatic Encephalopathy* Sports-related injury on Concussion and Spine Injury conference, Children's and Brigham and Women's Hospitals, Boston, MA
- May 15, 2012 *Cognitive and Behavioral Neurology: Focus on Dementia*, *Harvard Medical School CME course*, “CTE,” Annual Course, Boston, MA

October 6, 2012 *Chronic Traumatic Encephalopathy 2012* American Neurological Association annual meeting, Breakout Session on Behavioral Neurology, Boston, MA

October 25, 2012 *Chronic Traumatic Encephalopathy 2012* Hit Count Conference, Waltham, MA

October 26, 2012 *Chronic Traumatic Encephalopathy 2012* Boston University Concussion in Sport Conference, Waltham, MA

March 13, 2013 *Emerging Concepts in Chronic Traumatic Encephalopathy* Neurosurgery Grand Rounds, Massachusetts General Hospital, Boston, MA

May 17, 2013 *Chronic Traumatic Encephalopathy*, Advanced Neuro Intensive Care, Harvard Medical School CME course, Boston, MA

May 18, 2013 *Update on Chronic Traumatic Encephalopathy*, Sports-related injury on Concussion and Spine Injury conference, Children's and Brigham and Women's Hospitals, Boston, MA

May 18, 2013 *Emerging Concepts in Research on Chronic Traumatic Encephalopathy* VA Research Day, Boston, MA

May 23, 2013 *Chronic Traumatic Encephalopathy in Athletes and Veterans*, American Association of Clinical Scientists, Boston, MA

November 20, 2013 *Emerging Concepts in Chronic Traumatic Encephalopathy*, Brigham and Women's Neurology Grand Rounds, Boston MA

November 21, 2013 *Emerging Concepts in Chronic Traumatic Encephalopathy*, Adams Lecture, Massachusetts General Hospital, Boston, MA

March 12, 2014 *Update on CTE*, Alzheimer's Disease Center Lecture, Boston University, Boston MA

May 15, 2014 What is CTE? University of Wisconsin- Founders Day, Boston MA

May 23, 2014 *Update on Chronic Traumatic Encephalopathy*, Sports-related injury on Concussion and Spine Injury conference, Children's and Brigham and Women's Hospitals, Boston, MA

May 15, 2014 *Cognitive and Behavioral Neurology: Focus on Dementia*, Harvard Medical School CME course, "CTE," Annual Course, Boston MA

April 7, 2014 *What is CTE?* Keynote lecturer for annual Women in Science (WIS) luncheon, Museum of Science, Boston, MA

November 4, 2014 *Update on Chronic Traumatic Encephalopathy* , Keynote Lecturer, Third Annual Joining Forces TBI/PTSD Boston University School of Medicine and VA Boston Conference, Boston University, Boston, MA

December 9, 2014 *CTE in football players: What we've learned over the past 7 years.* Neurology Grand Rounds, Boston University School of Medicine, Boston, MA

May 16, 2015 *Update on Chronic Traumatic Encephalopathy*, Sports-related injury on Concussion and Spine Injury conference, Children's and Brigham and Women's Hospitals, Boston, MA

May 29, 2015 *Cognitive and Behavioral Neurology: Focus on Dementia*, Harvard Medical School CME course, " The Neuropathology and Neurophysiology of CTE," Annual Course, Boston, MA

March 9, 2017 *Football and the Brain*, Pathology Seminar Series, Boston Children's Hospital, Boston, MA

October 8, 2017 *The BU CTE Center and VA-BU-CLF Brain Bank Experience*, Congress of Neurological Surgeons, Boston, MA

- October 24, 2017 *CTE: Driving toward a Diagnosis during Life*, Precision Power Health, Cambridge, MA
- November 9, 2017 *Neuropathology of CTE, Update on CTE: CME Course*, Boston University, Boston, MA
- September 13, 2018 *The Face of CTE*, BU Center for Military and Post Deployment Health, Boston University School of Medicine, Boston, MA
- September 20, 2018 *The Face of CTE*, Deans Advisory Board, Boston University School of Medicine, Boston, MA
- October 1, 2018 *The Face of CTE*, Northeast Regional VA Nursing Alliance (Nervana) Colloquium-Care of the American Veteran, Boston College, Chestnut Hill, MA
- October 9, 2018 *The Face of CTE*, BU Women's Guild Lunch and Learn, Boston University School of Medicine, Boston, MA
- October 10, 2018 *What happens when science is unpopular or hard*, HUB week, City Hall Plaza, Government Center, Boston MA
- October 24, 2018 *The Neuropathology of CTE*, CTE Conference, Boston University School of Medicine, Boston, MA
- March 28, 2019 *The Face of CTE*. Massachusetts Medical Society, Boston, MA
- November 14, 2019 *The Neuropathology of CTE*, CTE Conference, Boston University School of Medicine, Boston, MA
- November 21, 2019 *Updates in CTE: Where are the current challenges?* Photonics Annual Conference, BU Photonics Center, Boston, MA
- November 22, 2019 *What is CTE; The Faces of CTE; Current Challenges in CTE*. New England Orthopaedic Society Guest Professor, Massachusetts Medical Society, Waltham, MA
- January 24, 2020 *The Faces of CTE*, Berwick Academy. Berwick, ME
- October 7, 2020 *CTE*, 13th Concussion Legacy Gala, Boston, MA, virtual
- October 17, 2020 *The Faces of CTE*, Boston University Family & Friends Weekend, Boston, MA, virtual
- October 22, 2020 *RallyPoint Project Enlist & Brain Health*, Concussion Legacy Foundation, Boston, MA, virtual
- November 4, 2020 *CTE 2020: Where are we?* UMass Amherst ION's Distinguished Lecture Seminar Series, UMass Amherst, Amherst, MA, virtual

BIBLIOGRAPHY

ORIGINAL, PEER REVIEWED ARTICLES:

1. **McKee AC**, Winkelman MD, Banker BQ: Central pontine myelinolysis in severely burned patients: relationship to serum hyperosmolality. *Neurology* 1988; 38: 1211-7
2. Ogilvy CS, **McKee AC**, Newman NJ, Donnelly SM, Kiwak KJ: Embolism of cerebral tissue to the lungs: a report of 2 cases and review of the literature. *Neurosurgery*, 1988; 23: 511-6
3. **McKee AC**, Kowall NW, Kosik KS: Microtubular reorganization and dendritic growth response in Alzheimer's disease. *Annals of Neurology*, 1989; 26:652-9
4. **McKee AC**, Kowall NW, Kosik KS: Hippocampal neurons predisposed to neurofibrillary tangle formation are enriched in type II Ca/calmodulin-dependent protein kinase. *J Neuropathol Exp Neurol*, 1990; 49: 49-63
5. Newman NJ, Bell IR, **McKee AC**: Paraneoplastic limbic encephalitis: neuropsychiatric presentation. *Biol Psych*, 1990; 27: 529-42

6. Thulborn KR, Sorensen AG, Kowall NW, **McKee AC**, Lai A, McKinstry RC, Moore J, Rosen BR, Brady TJ: Biochemical correlation of the magnetic resonance appearance of experimentally induced cerebral hemorrhage in the rat. *Amer J Neuroradiology*, 1990; 11: 291-7
7. **McKee AC**, Levine D, Kowall NW, Richardson EP: Peduncular hallucinosis associated with isolated infarction of medial substantia nigra pars reticulata. *Annals of Neurology*, 1990; 27: 500-4
8. **McKee AC**, Kosik KS, Kowall NW: Neuritic pathology and dementia in Alzheimer's disease. *Annals of Neurology*, 1991; 30: 156-65
9. Mikulis DJ, Ogilvy CS, **McKee AC**, Davis KR, Ojemann RG: Serial MR imaging in a case of distal spinal cord and conus medullaris infarction due to fibrocartilagenous emboli. *Amer J Neuroradiology*, 1992;13:155-60
10. Kowall NW, **McKee AC**, Yankner BA, Beal MF: In vivo neurotoxicity of beta amyloid [β (1-40)] and the β (25-35) fragment. *Neurobiol Aging*, 1992; 13:537-542
11. Markesbery W, Kosik KS, Kowall NW, **McKee AC**: Morphometric image analysis of neuropil threads in Alzheimer's disease. *Neurobiol Aging*, 1993; 14 (4): 303-7
12. Nihei K, **McKee AC**, Kowall NW. Patterns of neuronal degeneration in the motor cortex of amyotrophic lateral sclerosis patients. *Acta Neuropathol*, 1993; 86 (1): 55-64
13. Hauw JJ, Daniel SE, Dickson D, Horoupian DS, Jellinger K, Lantos PL, **McKee AC**, Tabaton M, Litvan I. Preliminary NINDS Neuropathological Criteria for Steele-Richardson-Olszewski Syndrome (Progressive Supranuclear Palsy). *Neurology*; 1994, 44(11): 2015-9
14. Corral-Debrinski M, Horton T, Lott MT, Shoffner JM, **McKee AC**, Beal MF, Graham BH, Wallace DC. Marked changes in mitochondrial DNA deletion levels in Alzheimer's brains. *Genomics* 1994 23 (2): 471-6
15. VonSattel JP, Aizawa H, Ge P, DiFiglia M, **McKee AC**, MacDonald M, Gusella J, Landwehrmeyer B, Bird ED, Richardson EP, Hedley-Whyte ET. An improved method to prepare human brains for research. *J Neurol Exp Neuropathol*, 1995, 54: 42-57
16. Farrer LA, Abraham CR, Volicer L, Foley EJ, Kowall NW, **McKee AC**, Wells JM. Allele E4 of apolipoprotein E shows a dose effect on age at onset of Pick disease. *Exp Neurol*, 1995, 136, 162-170
17. Litvan I, Agid Y, Jankovic J, Goetz C, Brandel JP, Lai EC, Wenning G, D'Olhaberriague L, Verny M, Chaudhuri KR, **McKee A**, Jellinger K, Bartko JJ, Mangone CA, Pearce RKB. Accuracy of clinical criteria for the diagnosis of progressive supranuclear palsy (Steele-Richardson-Olszewski). *Neurology* 1996, 46: 922-930
18. Litvan I, Hauw JJ, Bartko JJ, Lantos PL, Daniel SE, Horoupian DS, **McKee AC**, Dickson D, Bancher C, Tabaton M, Jellinger K, Anderson DW. Accuracy of the neuropathological diagnosis of neurodegenerative disorders with extrapyramidal features. *J. Neuropath Exp Neurology* 1996, 55, 97-105
19. Litvan I, DeLeo JM, Hauw JJ, Daniel SE, Jellinger K, **McKee A**, Dickson D, Horoupian DS, Lantos PL, Tabaton M. What Can Artificial Networks Teach Us About Neurodegenerative Disorders with Extrapyramidal Features? *Brain* 1996, 119: 831-839
20. Litvan I, Agid Y. Goetz C, Jankovic J, Wenning G, Brandel JP, Lai EC, Verny M, Chaudhuri KR, **McKee A**, Jellinger K, Pearce RKB, Bartko JJ. Accuracy of the clinical diagnosis of corticobasal degeneration: a clinicopathological study. *Neurology* 1997, 48: 119-125

21. Litvan I, Goetz CG, Jankovic J, Wenning GK, Booth V, Bartko JJ, **McKee A**, Jellinger K, Lai EC, Brandel J-P, Verny M, Chaudhuri R, Pearce RKB, Agid Y. What is the accuracy of the clinical diagnosis of Multiple System Atrophy? A clinicopathological study. *Arch Neurol* 1997, 54:937-944
22. Litvan I, Campbell G, Mangone CA, Verny M, **McKee A**, Chaudhuri KR, Jellinger K, Pearce RKB, D'Olhaberriague L. Which clinical features differentiate progressive supranuclear palsy (Steele-Richardson-Olszewski syndrome) from related disorders? A clinicopathological study. *Brain* 1997, 120:65-74
23. Litvan I, Agid Y, Sastrj N, Jankovic J, Wenning GK, Goetz CG, Verny M, Brandel J-P, Jellinger K, Chaudhuri R, **McKee A**, Lai EC, Pearce RKB, Bartko JJ. What are the obstacles for an accurate diagnosis of Pick's disease? A clinicopathological study. *Neurology* 1997, 49: 62-69.
24. **McKee AC**, Kowall NW, Schumacher JS, Beal MF. The neurotoxicity of amyloid beta protein in aged primates. *Amyloid*, 1998, 5: 1-9
25. Litvan I, Booth V, Wenning GK, Bartko JJ, Goetz CG, **McKee A**, Jankovic J, Jellinger K, Lai EC, Brandel JP, Verny M, Chaudhuri KR, Pearce RKB, Agid Y. Retrospective application of a set of clinical diagnostic criteria for the diagnosis of multiple system atrophy. *J Neural Transm* 1998 105: 217-228
26. Litvan I, MacIntyre A, Goetz CG, Wenning GK, Jellinger K, Verny M, Bartko JJ, Jankovic J, **McKee A**, Brandel JP, Chaudhuri KR, Lai EC, D'Olhaberriague L, Pearce RKB, Agid Y. Accuracy of the clinical diagnoses of Lewy Body disease, Parkinson disease, and Dementia with Lewy Bodies. A clinicopathological study. *Arch Neurol* 1998, 5: 969-978
27. Wenning GK, Litvan I, MacIntyre A, Goetz CG, Wenning Jellinger K, Verny M, Bartko JJ, Jankovic J, **McKee A**, Brandel JP, Chaudhuri KR, Lai EC, D'Olhaberriague L, Pearce RKB, Agid Y. Natural history and survival of 14 patients with corticobasal degeneration confirmed at post-mortem examination. *J Neurol Neurosurg Psych* 1998 64: 184-9
28. **McKee A**. Neuropathology and brain banking: basic science methods. . *Alzheimer Dis Assoc Dis.* 1999, 13, suppl 1: S39-S44
29. Litvan I, **McKee, A**. Clinicopathologic Case Report. *J Neuropsych Clin Neurosci.* 1999, 11:107- 112
30. Wenning GK, Ebersbach G, Verny M, Chaudhuri KR, Jellinger K, **McKee A**, Poewe W, Litvan I. Progression of falls in postmortem confirmed parkinsonian disorders. *Mov Dis*, 1999, 14: 947-50
31. Volicer L, Wells JM, **McKee AC**, Kowall NW. Enhanced inhibition of free radical-induced deoxyribose breakdown by Alzheimer brain homogenates. *Neurosci Lett* 1999; 270:169-72.
32. Hanlon EB, Itzkan I, Dasari R, Feld MS, Ferrante RJ, McKee AC, Lathi D, Kowall NW. Near-infrared fluorescence spectroscopy detects Alzheimer's disease *in vitro*. *Photochem and Photobiol*, 1999, 70: 236-242
33. Litvan I, Grimes DA, Lang AE, Jankovic J, **McKee A**, Verny M, Jellinger K, Chaudhuri KR, Pearce RKB. Clinical features differentiating patients with postmortem progressive supranuclear palsy and corticobasal degeneration. *J Neurol*, 1999;246 [suppl 2]: II/1-II/5
34. Chung TF, Sipe JD, **McKee A**, Fine RE, Scheiber BM, Liang JS, Johnson RJ. Serum amyloid A in Alzheimer's disease brain is predominantly localized to myelin sheaths and axonal membrane. *Amyloid* 2000; 7: 105-11.

35. Kowall NW, Hantaye P, Brouillet E, Beal MF, **McKee AC**, Ferrante RF. MPTP induces alpha-synuclein aggregation in the substantia nigra of baboons. *Neuroreport* 2000, 11:1-3
36. Muller J, Wenning GK, Jellinger K, **McKee A**, Poewe W, Litvan I. Progression of Hoehn and Yahr stages in Parkinsonian disorders: a clinicopathologic study. *Neurology*. 2000 Sep 26; 55(6): 888-9.
37. Muller J, Wenning G, Verny M, **McKee A**, Chaudhuri R, Poewe W, Litvan I. Progression of dysarthria and dysphagia in post-mortem-confirmed Parkinsonian disorders. *Arch Neurol* 2001; 58: 259-264
38. Volicer L, **McKee AC**, Hewitt S. Dementia. *Neurology Clinics* 2001, 19: 867- 885.
39. Harper DG, Stopa EG, McKee AC, Satlin A, Harlan PC, Goldstein R, Volicer L. Differential circadian rhythm disturbances in men with Alzheimer disease and frontotemporal degeneration. *Arch Gen Psych* 2001; 58(9): 353-60
40. Georgopoulos S, **McKee A**, Kan HY, Zannis VI. Generation and characterization of two transgenic mouse lines expressing human ApoE2 in neurons and glial cells. *Biochemistry*. 2002 Jul 30; 41(30): 9293-301
41. Gao W, Eisenhauer PB, Conn K, Lynch JA, Wells JM, Ullman MD, **McKee A**, Thatte HS, Fine RE. (2004) Insulin degrading enzyme is expressed in the human cerebrovascular endothelium and in cultured human cerebrovascular endothelial cells. *Neurosci Lett*. 371 (1): 6-11
42. Conn K, Gao W, **McKee A**, Lan MS, Ullman MD, Eisenhauer PB, Fine R and Wells JM. (2004) Identification of the protein disulfide isomerase family member PDip in experimental Parkinson's disease and Lewy Body Pathology, *Brain Res*. 1022 (1-2):164-72
43. Yip AG, **McKee AC**, Wells J, Green RC, Young H, Cupples A, Farrer LA. ApoE, vascular pathology, and the AD brain. *Neurology*, 2005; 65:259-265
44. Wolozin B, Manger J, Bryant R, Cordy J, Green RC, **McKee A**. Re-assessing the relationship between cholesterol, statins and Alzheimer's disease. *Acta Neurol Scand Suppl*. 2006; 185:63-70
45. Lynch JA, George AM, Eisenhauer PB, Conn K, Gao W, Carreras I, Wells J, **McKee A**, Ullman D, Fine RE. Insulin degrading enzyme is localized predominantly in the cell surface of polarized and unpolarized human cerebrovascular endothelial cultures. *J Neurosci Res*. 2006 May 15; 83(7): 1262-70
46. Kraytsberg Y, Kudryavtseva E, **McKee AC**, Geula C, Kowall NW, Krapko K. Mitochondrial DNA deletions are abundant and cause functional impairment of select human substantia nigra neurons. *Nature Genetics*, 2006 May; 38(5): 518-20
47. **McKee, AC**, Au R, Cabral HJ, Kowall NW, Seshadri, S, Kubilus C, Drake J, Wolf P. Visual Association Pathology in Preclinical AD. *Journal Neuropath Exp Neurol* June; 65(6): 621-630.
48. Tobin JE, Cui J, Wilk J, Latourelle J, Laramie J, **McKee A**, Guttman M, Karamohamed S, DeStefano A, Myers R. Sepiapterin reductase expression is increased in Parkinson's disease brain tissue *Brain Research* 2007, 1140, 42-44
49. **McKee AC**, Carreras I, Hossain L, Ryu H, Klein W, Oddo S, LaFerla F, Jenkins B, Kowall N, Dedeoglu A. Ibuprofen reduces intraneuronal A β , prevents hyperphosphorylated tau and ameliorates cognitive deficits in young triple transgenic Alzheimer mice, *Brain Research*, 2008 May 1; 1207: 225-36

50. Harper DG, Stopa EG, Kuo-Leblanc V, **McKee A**, Asayama K, Volicer L, Kowall N, Saitlin A. Dorsomedial SCN neuronal subpopulations subserve different functions in human dementia. *Brain* 2008, Jun; 131(Pt 6): 1609-17
51. Hanlon EB, Perelman LT, Vitkin EI, Greco FA, **McKee AC**, Kowall NW. Scattering differentiates Alzheimer disease in vitro. *Opt Lett* 2008, 15:33 (6): 624-26
52. T Cuenco K, Lunetta KL, Baldwin CT, **McKee AC**, Guo J, Cupples LA, Green RC, St George-Hyslop PH, Chui H, DeCarli C, Farrer LA; MIRAGE Study Group. Association of distinct variants in *SORL1* with cerebrovascular and neurodegenerative changes related to Alzheimer disease. *Arch Neurol.* 2008 Dec; 65(12): 1640-8
53. Decano JL, Viereck JC, **McKee AC**, Hamilton JA, Ruiz-Opazo N, Herrera VL. Early-life sodium exposure unmasks susceptibility to stroke in hyperlipidemic, hypertensive heterozygous Tg25 rats transgenic for human cholesteryl ester transfer protein. *Circulation.* 2009 Mar 24; 119(11): 1501-9
54. **McKee AC**, Cantu RC, Nowinski CJ, Hedley-Whyte ET, Gavett BE, Budson AE, Santini VE, Lee H-Y, Kubilus CA, Stern RA. Chronic Traumatic Encephalopathy in Athletes: Progressive Tauopathy following Repetitive Head Injury. *J Neuropath Exp Neurol*, 2009 68(7): 709-735
55. Yamin R, Zhao C, O'Connor PB, **McKee AC**, Abraham CR. Acyl peptide hydrolase degrades monomeric and oligomeric amyloid-beta peptide. *Mol Neurodegener.* 2009 Jul 23; 4(1): 33
56. Mastroeni D, **McKee A**, Grover A, Rogers J, Coleman PD. Epigenetic differences in cortical neurons from a pair of monozygotic twins discordant for Alzheimer's disease. *PLoS One.* 2009 Aug 12; 4(8): e661
57. Van Deerlin V, Sleiman P, Martinez-Lage M, Chen-Plotkin A, Wang L, Graff-Radford N, Dickson D, **McKee A**, Lee VM. (GWAS study) Common genetic variants at 7p21 show strong association with frontotemporal lobar degeneration with TDP-43 inclusions. *Nature Gen*, 2010, Mar; 42(3): 234-9
58. Jun G, Naj AC, Beecham GW, Wang LS, Buross J, Gallins PJ, Buxbaum JD, Ertekin-Taner N, Fallin MD, Friedland R, Inzelberg R, Kramer P, Rogava E, St George-Hyslop P; **Alzheimer's Disease Genetics Consortium**, Cantwell LB, Dombroski BA, Saykin AJ, Reiman EM, Bennett DA, Morris JC, Lunetta KL, Martin ER, Montine TJ, Goate AM, Blacker D, Tsuang DW, Beekly D, Cupples LA, Hakonarson H, Kukull W, Foroud TM, Haines J, Mayeux R, Farrer LA, Pericak-Vance MA, Schellenberg GD. Meta-analysis confirms *CR1*, *CLU*, and *PICALM* as Alzheimer disease risk loci and reveals interactions with *APOE* genotypes. *Arch Neurol.* 2010 Dec; 67(12): 1473-84
59. **McKee A**, Gavett B, Stern R, Nowinski C, Cantu R, Kowall N, Perl D, Hedley-Whyte E, Price B, Sullivan C, Morin P, Lee H-S, Kubilus C, Daneshvar D, Wulff M, Budson A. TDP-43 Proteinopathy and Motor Neuron Disease in Chronic Traumatic Encephalopathy, *Journal Neuropathol Exp Neurol*, 2010, 69: 918-929
Authors' reply: **McKee AC**, Budson AE, Gavett BE, Stern RA, Daneshvar D, Nowinski CJ, Cantu RC, Kowall NW, Perl DP, Hedley-Whyte ET. *J Neuropathol Exp Neurol.* 2011 Jan; 70(1): 98-100
60. Liu-Yesucevitz L, Bilgutay A, Zhang YJ, Vanderwyde T, Citro A, Mehta T, Zaarur N, **McKee A**, Bowser R, Sherman M, Petrucelli L, Wolozin B. Tar DNA binding protein-43 (TDP-

- 43) associates with stress granules: analysis of cultured cells and pathological brain tissue. *PLoS One*. 2010 Oct 11; 5(10): e13250
61. Lee J, Kosaras B, Del Signore SJ, Cormier K, **McKee A**, Ratan RR, Kowall NW, Ryu H. Modulation of lipid peroxidation and mitochondrial function improves neuropathology in Huntington's disease mice. *Acta Neuropathol*. 2011 Apr;121(4):487-98
62. Sullivan CP, Berg EA, Elliott-Bryant R, Fishman JB, **McKee AC**, Morin PJ, Shia MA, Fine RE. Pyroglutamate-A β 3 and 11 colocalize in amyloid plaques in Alzheimer's disease cerebral cortex with pyroglutamate-A β 11 forming the central core. *Neurosci Lett*. 2011 Nov 14;505(2):109-12
63. Saman S, Kim W, Raya M, Visnick Y, Miro S, Saman S, Jackson B, **McKee AC**, Alvarez VE, Lee NC, Hall GF. Exosome-associated Tau Is Secreted in Tauopathy Models and Is Selectively Phosphorylated in Cerebrospinal Fluid in Early Alzheimer Disease. *J Biol Chem*. 2012 Feb 3;287(6):3842-9
64. Goldstein LE, Fisher AM, Tagge CA, Zhang X-L, Velisek L, Sullivan JA, Upreti C, Kracht JM, Ericsson M, Wojnarowicz MW, Goletiani CJ, Maglakelidze GM, Casey N, Moncaster JA, Minaeva O, Moir RD, Nowinski CJ, Stern RA, Cantu RC, Geiling J, Blusztajn JK, Wolozin BL, Ikezu T, Stein TD, Budson AE, Kowall NW, Chargin D, Sharon A, Saman S, Hall GF, Moss WC, Cleveland RO, Tanzi RE, Stanton PK, **McKee AC**: Chronic Traumatic Encephalopathy in Blast-Exposed Military Veterans and a Blast Neurotrauma Mouse Model. *Sci Transl Med*. 2012 May 16;4(134):134ra60. PMID: 22593173
65. Response to comment on "chronic traumatic encephalopathy in blast-exposed military veterans and a blast neurotrauma mouse model". Goldstein LE, **McKee AC**. *Sci Transl Med*. 2012 Oct 24;4(157):157lr5. doi: 10.1126/scitranslmed.3004862 PMID: 23100626
66. Au R#, Seshadri S#, Knox K, Beiser A, Himali JJ, Cabral HJ, Auerbach S, Green RC, Wolf P, **McKee AC**. The Framingham Brain Donation Program: Neuropathology Along the Cognitive Continuum Current Alzheimer Research, 2012, Jul;9(6):673-86
67. Jung MK, Kim KY, Lee NY, Kang YS, Hwang YJ, Kim Y, Sung JJ, **McKee A**, Kowall N, Lee J, Ryu H. Expression of Taurine Transporter (TauT) is Modulated by Heat Shock Factor 1 (HSF1) in Motor Neurons of ALS. *Mol Neurobiol*. 2012 Nov 23
68. Whitcomb DC, Larusch J, Krasinskas AM, **McKee AC**, Devlin B. Common genetic variants in the CLDN2 and PRSS1-PRSS2 loci alter risk for alcohol-related and sporadic pancreatitis. *Nat Genet*. 2012 Nov 11;44(12):1349-54. doi: 10.1038/ng.2466. Epub 2012 Nov 11 PMID: 23143602
69. Jun G, Moncaster JA, Koutras C, Seshadri S, Buros J, **McKee AC**, Levesque G, Wolf PA, St George-Hyslop P, Goldstein LE, Farrer LA. δ -Catenin is genetically and biologically associated with cortical cataract and future Alzheimer-related structural and functional brain changes. *PLoS One*. 2012;7(9): e43728
70. Augustinack JC, Huber KE, Stevens AA, Roy M, Frosch MP, van der Kouwe AJ, Wald LL, Van Leemput K, **McKee AC**, Fischl B Predicting the location of human perirhinal cortex, Brodmann's area 35, from MRI. *Neuroimage*. 2013 Jan 1;64C:32-42
71. Le M, Kim W, Lee S, **McKee A**, Hall G. Multiple mechanisms of extracellular tau spreading in a non-transgenic tauopathy model. *Am J Neurodegeneration*, 2012;1(3):316-33. Epub 2012 Nov 25

72. Holton P, Ryten M, Nalls M, **McKee AC**, ...Younkin SG. Initial assessment of the pathogenic mechanisms of the recently identified Alzheimer risk Loci. *Ann Hum Genet.* 2013 Mar;77(2):85-105. doi: 10.1111/ahg.12000. Epub 2013 Jan 30
73. **McKee AC**, Stern RA, Nowinski CJ, Stein TD, Alvarez VE, Daneshvar DH, Lee HS, Wojtowicz SM, Hall G, Baugh CM, Riley DO, Kubilus CA, Cormier KA, Jacobs MA, Martin BR, Abraham CR, Ikezu T, Reichard RR, Wolozin BL, Budson AE, Goldstein LE, Kowall NW, Cantu RC. The Spectrum of Disease in Chronic Traumatic Encephalopathy, *Brain* 2013, Jan;136(Pt 1):43-64. doi: 10.1093/brain/aws307
74. Peskind ER, Brody D, Cernak I, **McKee A**, Ruff RL. Military- and sports-related mild traumatic brain injury: clinical presentation, management, and long-term consequences. *J Clin Psychiatry.* 2013 Feb;74(2):180-8. doi: 10.4088/JCP.12011co1c
75. Seichepine DR, Stamm JM, Daneshvar DH, Riley DO, Baugh CM, Gavett BE, Tripodis Y, Martin B, Chaisson C, **McKee AC**, Cantu RC, Nowinski CJ, Stern R. Profile of self-reported problems with executive functioning in college and professional football players. *J Neurotrauma.* 2013 Feb 19
76. Reitz C, Jun G, Naj A, Rajbhandary R, Vardarajan BN, Wang LS, Valladares O, Lin CF, Larson EB, Graff-Radford NR, Evans D, De Jager PL, Crane PK, Buxbaum JD, Murrell JR, Raj T, Ertekin-Taner N, Logue M, Baldwin CT, Green RC, Barnes LL, Cantwell LB, Fallin MD, Go RC, Griffith P, Obisesan TO, Manly JJ, Lunetta KL, Kamboh MI, Lopez OL, Bennett DA, Hendrie H, Hall KS, Goate AM, Byrd GS, Kukull WA, Foroud TM, Haines JL, Farrer LA, Pericak-Vance MA, Schellenberg GD, Mayeux R; **Alzheimer Disease Genetics Consortium**. Variants in the ATP-binding cassette transporter (ABCA7), apolipoprotein E ϵ 4, and the risk of late-onset Alzheimer disease in African Americans. *JAMA.* 2013 Apr 10;309(14):1483-92. doi: 10.1001/jama.2013.2973
77. Lee JK, Shin JH, Hwang SG, Gwag BJ, **McKee AC**, Lee J, Kowall NW, Ryu H, Lim DS, Choi EJ. MST1 functions as a key modulator of neurodegeneration in a mouse model of ALS. *Proc Natl Acad Sci U S A.* 2013 Jul 1. [Epub ahead of print]
78. Weiner MW, Friedl KE, Pacifico A, Chapman JC, Jaffee MS, Little DM, Manley GT, **McKee A**, Petersen RC, Pitman RK, Yaffe K, Zetterberg H, Obana R, Bain LJ, Carrillo MC. Military risk factors for Alzheimer's disease. *Alzheimers Dement.* 2013 Jul;9(4):445-51. doi: 10.1016/j.jalz.2013.03.005
79. Factor-Litvak P, Al-Chalabi A, Ascherio A, Bradley W, Chío A, Garruto R, Hardiman O, Kamel F, Kasarskis E, **McKee A**, Nakano I, Nelson LM, Eisen A. Current pathways for epidemiological research in amyotrophic lateral sclerosis. *Amyotroph Lateral Scler Frontotemporal Degener.* 2013 May;14 Suppl 1:33-43
80. Brady CB, Trevor KT, Stein TD, Deykin EY, Perkins SD, Averill JG, Guilderson L, **McKee AC**, Renner SW, Kowall NW. The Department of Veterans Affairs Biorepository Brain Bank: A national resource for amyotrophic lateral sclerosis research. *Amyotroph Lateral Scler Frontotemporal Degener.* 2013 Aug 23
81. Stern RA, Daneshvar DH, Baugh CM, Seichepine DR, Montenegro PH, Riley DO, Fritts NG, Stamm JM, Robbins CA, McHale L, Simkin I, Stein TD, Alvarez VE, Goldstein LE, Budson AE, Kowall NW, Nowinski CJ, Cantu RC, **McKee AC**. Clinical presentation of chronic traumatic encephalopathy. *Neurology.* 2013 Aug 21
82. Pekkala S, Wiener D, Himali JJ, Beiser AS, O'Leary LH, Liu Y, **McKee A**, Auerbach S,

Seshadri S, Wolf PA, Au R. Lexical retrieval in discourse: An early indicator of Alzheimer's dementia. *Clin Linguist Phon*. 2013 Aug 28

83. Carreras I, **McKee AC**, Choi JK, Aytan N, Kowall NW, Jenkins BG, Dedeoglu A. 1.R-flurbiprofen improves tau, but not A β pathology in a triple transgenic model of Alzheimer's disease. *Brain Res*. 2013 Dec 6;1541:115-27. PMID: 24161403

84. Gallagher MD, Suh E, Grossman M, Elman L, McCluskey L, Van Swieten JC, Al-Sarraj S, Neumann M, Gelpi E, Ghetti B, Rohrer JD, Halliday G, Van Broeckhoven C, Seilhean D, Shaw PJ, Frosch MP, Alafuzoff I, Antonell A, Bogdanovic N, Brooks W, Cairns NJ, Cooper-Knock J, Cotman C, Cras P, Cruts M, De Deyn PP, Decarli C, Dobson-Stone C, Engelborghs S, Fox N, Galasko D, Gearing M, Gijselinck I, Grafman J, Hartikainen P, Hatanpaa KJ, Highley JR, Hodges J, Hulette C, Ince PG, Jin LW, Kirby J, Kofler J, Kril J, Kwok JB, Levey A, Lieberman A, Llado A, Martin JJ, Masliah E, McDermott CJ, **McKee A**, McLean C, Mead S, Miller CA, Miller J, Munoz DG, Murrell J, Paulson H, Piguet O, Rossor M, Sanchez-Valle R, Sano M, Schneider J, Silbert LC, Spina S, van der Zee J, Van Langenhove T, Warren J, Wharton SB, White Iii CL, Woltjer RL, Trojanowski JQ, Lee VM, Van Deerlin V, Chen-Plotkin AS. TMEM106B is a genetic modifier of frontotemporal lobar degeneration with C9orf72 hexanucleotide repeat expansions. *Acta Neuropathol*. 2014 Jan 19. PMID: 24442578

85. Gallagher MD, Suh E, Grossman M, Elman L, McCluskey L, Van Swieten JC, Al-Sarraj S, Neumann M, Gelpi E, Ghetti B, Rohrer JD, Halliday G, Van Broeckhoven C, Seilhean D, Shaw PJ, Frosch MP, Alafuzoff I, Antonell A, Bogdanovic N, Brooks W, Cairns NJ, Cooper-Knock J, Cotman C, Cras P, Cruts M, De Deyn PP, DeCarli C, Dobson-Stone C, Engelborghs S, Fox N, Galasko D, Gearing M, Gijselinck I, Grafman J, Hartikainen P, Hatanpaa KJ, Highley JR, Hodges J, Hulette C, Ince PG, Jin LW, Kirby J, Kofler J, Kril J, Kwok JB, Levey A, Lieberman A, Llado A, Martin JJ, Masliah E, McDermott CJ, **McKee A**, McLean C, Mead S, Miller CA, Miller J, Munoz DG, Murrell J, Paulson H, Piguet O, Rossor M, Sanchez-Valle R, Sano M, Schneider J, Silbert LC, Spina S, van der Zee J, Van Langenhove T, Warren J, Wharton SB, White CL 3rd, Woltjer RL, Trojanowski JQ, Lee VM, Van Deerlin V, Chen-Plotkin AS. TMEM106B is a genetic modifier of frontotemporal lobar degeneration with C9orf72 hexanucleotide repeat expansions. *Acta Neuropathol*. 2014 Mar;127(3):407-18. doi: 10.1007/s00401-013-1239-x. Epub 2014 Jan 19

86. Kaur B, Himali JJ, Seshadri S, Beiser AS, Au R, **McKee AC**, Auerbach S, Wolf PA, Decarli CS. Association Between Neuropathology and Brain Volume in The Framingham Heart Study. *Alzheimer Dis Assoc Disord*. 2014 Mar 7

85. Robbins CA, Daneshvar DH, Picano JD, Gavett BE, Baugh CM, Riley DO, Nowinski CJ, **McKee AC**, Cantu RC, Stern RA. Self-reported concussion history: impact of providing a definition of concussion *Open Access J Sports Med*. 2014 May 7;5:99-103. doi: 10.2147/OAJSM.S58005

87. Saman S, Lee NC, Inoyo I, Jin J, Li Z, Doyle T, **McKee AC**, Hall GF. Proteins recruited to exosomes by tau overexpression implicate novel cellular mechanisms linking tau secretion with Alzheimer's disease. *J Alzheimers Dis*. 2014 Jan 1;40(0): S47-70. doi: 10.3233/JAD-132135.

88. Baugh CM, Kiernan PT, Kroshus E, Daneshvar DH, Montenigro PH, **McKee AC**, Stern R. Frequency of head impact related outcomes by position in NCAA Division I collegiate football players. *J Neurotrauma*. 2014 Aug 26

89. Smith AM, Stuart MJ, Dodick DW, Roberts WO, Alford PW, Ashare AB, Aubrey M, Benson BW, Burke CJ, Dick R, Eickhoff C, Emery CA, Flashman LA, Gaz DV, Giza CC,

Greenwald RM, Herring SA, Hoshizaki TB, Hudziak JJ, Huston J 3rd, Krause D, LaVoi N, Leaf M, Leddy JJ, MacPherson A, **McKee AC**, Mihalik JP, Moessner AM, Montelpare WJ, Putukian M, Schneider KJ, Szalkowski R, Tabrum M, Whitehead JR, Wiese-Bjornstal DM. Ice Hockey Summit II: Zero Tolerance for Head Hits and Fighting. *PMR*. 2015 Mar;7(3):283-95. doi: 10.1016/j.pmrj.2015.02.002. PMID: 25797614

90. Jun G, Ibrahim-Verbaas CA, Vronskaya M, Lambert JC, Chung J, Naj AC, Kunkle BW, Wang LS, Bis JC, Bellenguez C, Harold D, Lunetta KL, Destefano AL, Grenier-Boley B, Sims R, Beecham GW, Smith AV, Chouraki V, Hamilton-Nelson KL, Ikram MA, Fievet N, Denning N, Martin ER, Schmidt H, Kamatani Y, Dunstan ML, Valladares O, Laza AR, Zelenika D, Ramirez A, Foroud TM, Choi SH, Boland A, Becker T, Kukull WA, van der Lee SJ, Pasquier F, Cruchaga C, Beekly D, Fitzpatrick AL, Hanon O, Gill M, Barber R, Gudnason V, Champion D, Love S, Bennett DA, Amin N, Berr C, Tsolaki M, Buxbaum JD, Lopez OL, Deramecourt V, Fox NC, Cantwell LB, Tarraga L, Dufouil C, Hardy J, Crane PK, Eiriksdottir G, Hannequin D, Clarke R, Evans D, Mosley TH Jr, Letenneur L, Brayne C, Maier W, De Jager P, Emilsson V, Dartigues JF, Hampel H, Kamboh MI, de Bruijn RF, Tzourio C, Pastor P, Larson EB, Rotter JI, O'Donovan MC, Montine TJ, Nalls MA, Mead S, Reiman EM, Jonsson PV, Holmes C, St George-Hyslop PH, Boada M, Passmore P, Wendland JR, Schmidt R, Morgan K, Winslow AR, Powell JF, Carasquillo M, Younkin SG, Jakobsdóttir J, Kauwe JS, Wilhelmsen KC, Rujescu D, Nöthen MM, Hofman A, Jones L; IGAP Consortium, Haines JL, Psaty BM, Van Broeckhoven C, Holmans P, Launer LJ, Mayeux R, Lathrop M, Goate AM, Escott-Price V, Seshadri S, Pericak-Vance MA, Amouyel P, Williams J, van Duijn CM, Schellenberg GD, Farrer LA. A novel Alzheimer disease locus located near the gene encoding tau protein. *Mol Psychiatry*. 2015 Mar 17. doi: 10.1038/mp.2015.23. PMID: 25778476

91. Smith AM, Stuart MJ, Dodick DW, Roberts WO, Alford PW, Ashare AB, Aubrey M, Benson BW, Burke CJ, Dick R, Eickhoff C, Emery CA, Flashman LA, Gaz DV, Giza CC, Greenwald RM, Herring SA, Hoshizaki TB, Hudziak JJ, Huston J 3rd, Krause D, LaVoi N, Leaf M, Leddy JJ, MacPherson A, **McKee AC**, Mihalik JP, Moessner AM, Montelpare WJ, Putukian M, Schneider KJ, Szalkowski R, Tabrum M, Whitehead JR, Wiese-Bjornstal DM. Ice Hockey Summit II: Zero Tolerance for Head Hits and Fighting. *Curr Sports Med Rep*. 2015 Mar-Apr;14(2):135-44. doi:10.1249/JSR.0000000000000132. PMID: 25757010

92. Wang LS, Naj AC, Graham RR, Crane PK, Kunkle BW, Cruchaga C, Murcia JD, Cannon-Albright L, Baldwin CT, Zetterberg H, Blennow K, Kukull WA, Faber KM, Schupf N, Norton MC, Tschanz JT, Munger RG, Corcoran CD, Rogaeve E, Lin CF, Dombroski BA, Cantwell LB, Partch A, Valladares O, Hakonarson H, St George-Hyslop P, Green RC, Goate AM, Foroud TM, Carney RM, Larson EB, Behrens TW, Kauwe JS, Haines JL, Farrer LA, Pericak-Vance MA, Mayeux R, Schellenberg GD; National Institute on Aging–Late-Onset Alzheimer's Disease (NIA-LOAD) Family Study; Alzheimer's Disease Genetics Consortium, Albert MS, Albin RL, Apostolova LG, Arnold SE, Barber R, Barmada MM, Barnes LL, Beach TG, Becker JT, Beecham GW, Beekly D, Bennett DA, Bigio EH, Bird TD, Blacker D, Boeve BF, Bowen JD, Boxer A, Burke JR, Buxbaum JD, Cairns NJ, Cao C, Carlson CS, Carroll SL, Chui HC, Clark DG, Cribbs DH, Crocco EA, DeCarli C, DeKosky ST, Demirci FY, Dick M, Dickson DW, Duara R, Ertekin-Taner N, Fallon KB, Farlow MR, Ferris S, Frosch MP, Galasko DR, Ganguli M, Gearing M, Geschwind DH, Ghetti B, Gilbert JR, Glass JD, Graff-Radford NR, Growdon JH, Hamilton RL, Hamilton-Nelson KL, Harrell LE, Head E, Honig LS, Hulette CM, Hyman BT, Jarvik GP, Jicha GA, Jin LW, Jun G, Kamboh MI, Karydas A, Kaye JA, Kim R, Koo EH, Kowall NW, Kramer JH, Kramer P, LaFerla FM, Lah JJ, Leverenz JB, Levey AI, Li G, Lieberman AP, Lopez OL, Lunetta KL, Lyketsos CG, Mack WJ, Marson DC, Martin ER,

Martiniuk F, Mash DC, Masliah E, McCormick WC, McCurry SM, McDavid AN, **McKee AC**, Mesulam MM, Miller BL, Miller CA, Miller JW, Montine TJ, Morris JC, Murrell JR, Olichney JM, Parisi JE, Perry W, Peskind E, Petersen RC, Pierce A, Poon WW, Potter H, Quinn JF, Raj A, Raskind M, Reiman EM, Reisberg B, Reitz C, Ringman JM, Roberson ED, Rosen HJ, Rosenberg RN, Sano M, Saykin AJ, Schneider JA, Schneider LS, Seeley WW, Smith AG, Sonnen JA, Spina S, Stern RA, Tanzi RE, Thornton-Wells TA, Trojanowski JQ, Troncoso JC, Tsuang DW, Van Deerlin VM, Van Eldik LJ, Vardarajan BN, Vinters HV, Vonsattel JP, Weintraub S, Welsh-Bohmer KA, Williamson J, Wishnek S, Woltjer RL, Wright CB, Younkin SG, Yu CE, Yu L. Rarity of the Alzheimer Disease-Protective APP A673T Variant in the United States. *JAMA Neurol.* 2015 Feb 1;72(2):209-16. doi: 10.1001/jamaneurol.2014.2157 PMID: 25531812

93. Cray JF, Trojanowski JQ, Schneider JA, Abisambra JF, Abner EL, Alafuzoff I, Arnold SE, Attems J, Beach TG, Bigio EH, Cairns NJ, Dickson DW, Gearing M, Grinberg LT, Hof PR, Hyman BT, Jellinger K, Jicha GA, Kovacs GG, Knopman DS, Kofler J, Kukull WA, Mackenzie IR, Masliah E, **McKee A**, Montine TJ, Murray ME, Neltner JH, Santa-Maria I, Seeley WW, Serrano-Pozo A, Shelanski ML, Stein T, Takao M, Thal DR, Toledo JB, Troncoso JC, Vonsattel JP, White CL 3rd, Wisniewski T, Woltjer RL, Yamada M, Nelson PT. Primary age-related tauopathy (PART): a common pathology associated with human aging. *Acta Neuropathol.* 2014 Dec;128(6):755-66. doi: 10.1007/s00401-014-1349-0. PMID: 25348064

94. Naj AC, Jun G, Reitz C, Kunkle BW, Perry W, Park YS, Beecham GW, Rajbhandary RA, Hamilton-Nelson KL, Wang LS, Kauwe JS, Huentelman MJ, Myers AJ, Bird TD, Boeve BF, Baldwin CT, Jarvik GP, Crane PK, Rogaeva E, Barmada MM, Demirci FY, Cruchaga C, Kramer PL, Ertekin-Taner N, Hardy J, Graff-Radford NR, Green RC, Larson EB, St George-Hyslop PH, Buxbaum JD, Evans DA, Schneider JA, Lunetta KL, Kamboh MI, Saykin AJ, Reiman EM, De Jager PL, Bennett DA, Morris JC, Montine TJ, Goate AM, Blacker D, Tsuang DW, Hakonarson H, Kukull WA, Foroud TM, Martin ER, Haines JL, Mayeux RP, Farrer LA, Schellenberg GD, Pericak-Vance MA; Alzheimer Disease Genetics Consortium, Albert MS, Albin RL, Apostolova LG, Arnold SE, Barber R, Barnes LL, Beach TG, Becker JT, Beekly D, Bigio EH, Bowen JD, Boxer A, Burke JR, Cairns NJ, Cantwell LB, Cao C, Carlson CS, Carney RM, Carrasquillo MM, Carroll SL, Chui HC, Clark DG, Corneveaux J, Cribbs DH, Crocco EA, DeCarli C, DeKosky ST, Dick M, Dickson DW, Duara R, Faber KM, Fallon KB, Farlow MR, Ferris S, Frosch MP, Galasko DR, Ganguli M, Gearing M, Geschwind DH, Ghetti B, Gilbert JR, Glass JD, Growdon JH, Hamilton RL, Harrell LE, Head E, Honig LS, Hulette CM, Hyman BT, Jicha GA, Jin LW, Karydas A, Kaye JA, Kim R, Koo EH, Kowall NW, Kramer JH, LaFerla FM, Lah JJ, Leverenz JB, Levey AI, Li G, Lieberman AP, Lin CF, Lopez OL, Lyketsos CG, Mack WJ, Martiniuk F, Mash DC, Masliah E, McCormick WC, McCurry SM, McDavid AN, **McKee AC**, Mesulam M, Miller BL, Miller CA, Miller JW, Murrell JR, Olichney JM, Pankratz VS, Parisi JE, Paulson HL, Peskind E, Petersen RC, Pierce A, Poon WW, Potter H, Quinn JF, Raj A, Raskind M, Reisberg B, Ringman JM, Roberson ED, Rosen HJ, Rosenberg RN, Sano M, Schneider LS, Seeley WW, Smith AG, Sonnen JA, Spina S, Stern RA, Tanzi RE, Thornton-Wells TA, Trojanowski JQ, Troncoso JC, Valladares O, Van Deerlin VM, Van Eldik LJ, Vardarajan BN, Vinters HV, Vonsattel JP, Weintraub S, Welsh-Bohmer KA, Williamson J, Wishnek S, Woltjer RL, Wright CB, Younkin SG, Yu CE, Yu L. Effects of multiple genetic loci on age at onset in late-onset Alzheimer disease: a genome-wide association study. *JAMA Neurol.* 2014 Nov;71(11):1394-404. doi: 10.1001/jamaneurol.2014.1491. Erratum in: *JAMA Neurol.* 2014 Nov;71(11):1457. PMID: 25199842

95. Iglesias JE, Augustinack JC, Nguyen K, Player CM, Player A, Wright M, Roy N, Frosch MP, **McKee AC**, Wald LL, Fischl B, Van Leemput K; Alzheimer's Disease Neuroimaging Initiative.

Computational atlas of the hippocampal formation using ex vivo, ultra-high resolution MRI: Application to adaptive segmentation of in vivo MRI. *Neuroimage*. 2015 Apr 29; 115:117-137. doi: 10.1016/j.neuroimage.2015.04.042. PMID:25936807

96. Martinez-Ramirez S, Romero JR, Shoamanesh A, **McKee AC**, Van Etten E, Pontes-Neto O, Macklin EA, Ayres A, Auriel E, Himali JJ, Beiser AS, DeCarli C, Stein TD, Alvarez VE, Frosch MP, Rosand J, Greenberg SM, Gurol ME, Seshadri S, Viswanathan A. Diagnostic value of lobar microbleeds in individuals without intracerebral hemorrhage. *Alzheimers Dement*. 2015 Jun 12. pii: S1552-5260(15)00187-9. doi: 10.1016/j.jalz.2015.04.009

97. Stein TD, Montenegro PH, Alvarez VE, Xia W, Crary JF, Tripodis Y, Daneshvar DH, Mez J, Solomon T, Meng G, Kubilus CA, Cormier KA, Meng S, Babcock K, Kiernan P, Murphy L, Nowinski CJ, Martin B, Dixon D, Stern RA, Cantu RC, Kowall NW, **McKee AC**. Beta-amyloid deposition in chronic traumatic encephalopathy. *Acta Neuropathol*. 2015 May 6

98. Kondo A*, Shahpasand K*, Mannix R, Qiu J, Moncaster J, Chen C-H, Yao Y, Lin Y-M, Driver J, Sun Y, Wei S, Luo M-L, Albayram O, Huang P, Rotenberg A, Ryo A, Goldstein L, Pascual-Leone A, **McKee A**, Meehan W, Zhou X, and Lu K. Antibody against early driver of neurodegeneration cis P-tau blocks brain injury and tauopathy. *Nature* 2015 Jul 23;523(7561):431-6. doi: 10.1038/nature14658. Epub 2015 Jul 15

99. Mez J, Solomon T, Daneshvar D, Murphy L, Kiernan P, Montenegro P, Kriegel J, Abdolmohammadi B, Fry B, Babcock K, Adams J, Bourlas A, Papadopoulos Z, McHale L, Ardaugh B, Martin B, Dixon D, Nowinski C, Cjaisson C, Alvarez V, Tripodis Y, Stein T, Goldstein L, Katz D, Kowall N, Cantu R, Stern R, **McKee A**. Assessing clinicopathological correlation in chronic traumatic encephalopathy: rationale & methods for the UNITE study. *Alzheimers Res Ther*. 2015 Oct 12;7(1):62. doi: 10.1186/s13195-015-0148-8

100. Bieniek KF, Ross OA, Cormier KA, Walton RL, Soto-Ortolaza A, Johnston AE, DeSaro P, Boylan KB, Graff-Radford NR, Wszolek ZK, Rademakers R, Boeve BF, **McKee AC**, Dickson DW. Chronic traumatic encephalopathy pathology in a neurodegenerative disorders brain bank. *Acta Neuropathol*. 2015 Dec;130(6):877-89. doi: 10.1007/s00401-015-1502-4. Epub 2015 Oct 30

101. Kovacs GG, Isidro Ferrer, Lea T. Grinberg, Irina Alafuzoff, Johannes Attems, Herbert Budka, Nigel J. Cairns, John F. Crary, Charles Duyckaerts, Bernardino Ghetti, Glenda M. Halliday, James W. Ironside, Seth Love, Ian R. Mackenzie, David G. Munoz, Melissa E. Murray, Peter T. Nelson, Hitoshi Takahashi, John Q. Trojanowski, Olaf Ansorge, Thomas Arzberger, Atik Baborie, Thomas G. Beach, Kevin F. Bieniek, Eileen H. Bigio, Istvan Bodi, Brittany N. Dugger, Mel Feany, Ellen Gelpi, Stephen M. Gentleman, Giorgio Giaccone, Kimmo J. Hatanpaa, Richard Heale, Patrick R. Hof, Monika Hofer, Tibor Hortobágyi, Kurt Jellinger, Gregory A. Jicha, Paul Ince, Julia Kofler, Enikő Kövari, Jillian J. Kril, David M. Mann, Radoslav Matej, Ann C. McKee, Catriona McLean, Ivan Milenkovic, Thomas J. Montine, Shigeo Murayama, Edward B. Lee, Jasmin Rahimi, Roberta D. Rodriguez, Annemieke Rozemüller, Julie A. Schneider, Christian Schultz, William Seeley, Danielle Seilhean, Colin Smith, Fabrizio Tagliavini, Masaki Takao, Dietmar Rudolf Thal, Jon B. Toledo, Markus Tolnay, Juan C. Troncoso, Harry V. Vinters, Serge Weis, Stephen B. Wharton, Charles L. White III, Thomas Wisniewski, John M. Woulfe, Masahito Yamada, Dennis W. Dickson. Aging-related tau astrogliopathy (ARTAG): harmonized evaluation strategy. *Acta Neuropathol*, 2016, Jan;131(1):87-102. doi: 10.1007/s00401-015-1509-x. Epub 2015 Dec 10. PMID: 26659578

102. Mez J, Solomon TM, Daneshvar DH, Stein TD, **McKee AC**. Pathologically confirmed

- chronic traumatic encephalopathy in a 25-year-old former college football player. *JAMA Neurology*, 2016, Jan 4:1-3. doi: 10.1001/jamaneurol.2015.3998
103. Kanaan NM, Cox K, Alvarez VE, Stein TD, Poncil S, **McKee AC**. Characterization of early pathological tau conformations and phosphorylation in chronic traumatic encephalopathy. *J Neuropathol Exp Neurol*. 2015 Dec 15. pii: nlv001 PMID: 26671985
104. **McKee AC**, Cairns NJ, Dickson DW, Folkerth RD, Keene CD, Litvan I, Perl DP, Stein TD, Stewart W, Vonsattel JP, Tripodis Y, Alvarez VE, Bieniek KF, Crary J, Dams-O'Connor K, Gordon W and the TBI/CTE group. The First NINDS/NIBIB Consensus Meeting to Define Neuropathological Criteria for the Diagnosis of Chronic Traumatic Encephalopathy. *Acta Neuropathol*. 2016 Jan;131(1):75-86. doi: 10.1007/s00401-015-1515-z.
105. Armstrong RA, **McKee AC**, Stein TD, Alvarez VE, Cairns NJ. A quantitative study of tau pathology in eleven cases of chronic traumatic encephalopathy. *Neuropathol Appl Neurobiol*. 2016 Mar 21
106. Montenigro PH, Alosco ML, Martin B, Daneshvar DH, Mez J, Chaisson C, Nowinski CJ, Au R, **McKee AC**, Cantu RC, McClean MD, Stern RA, Tripodis Y. Cumulative Head Impact Exposure Predicts Later-Life Depression, Apathy, Executive Dysfunction, and Cognitive Impairment in Former High School and College Football Players. *J Neurotrauma*. 2016.
107. Ridge PG, Hoyt KB, Boehme K, Mukherjee S, Crane PK, Haines JL, Mayeux R, Farrer LA, Pericak-Vance MA, Schellenberg GD, Kauwe JS; Alzheimer's Disease Genetics Consortium (ADGC). Assessment of the genetic variance of late-onset Alzheimer's disease. *Neurobiol Aging*. 2016 May; 41:200.e13-20. doi:10.1016/j.neurobiolaging.2016.02.024. Epub 2016 Mar 3. PMID: 27036079
108. Armstrong RA, **McKee AC**, Cairns NJ. Pathology of the Superior Colliculus in Chronic Traumatic Encephalopathy. *Optom Vis Sci*. 2016 Jul 6. PMID: 27391531
109. Besser LM, Alosco ML, Ramirez Gomez L, Zhou XH, **McKee AC**, Stern RA, Gunstad J, Schneider JA, Chui H, Kukull WA. Late-Life Vascular Risk Factors and Alzheimer Disease Neuropathology in Individuals with Normal Cognition. *J Neuropathol Exp Neurol*. 2016 Aug 11. pii: nlw072. PMID: 27516116
110. Bangen KJ, Himali JJ, Beiser AS, Nation DA, Libon DJ, Fox CS, Seshadri S, Wolf PA, **McKee AC**, Au R, Delano-Wood L. Interaction Between Midlife Blood Glucose and APOE Genotype Predicts Later Alzheimer's Disease Pathology. *J Alzheimers Dis*. 2016 Jul 6. PMID: 27392855
111. Alosco M, Mez J, Kowall N, Stein T, Goldstein L, Cantu R, Katz D, Solomon T, Kiernan P, Murphy L, Abdolmohammadi B, Daneshvar Daniel, Montenigro P, Nowinski J, Stern R, **McKee AC**. Cognitive Reserve as a Modifier of Clinical Expression in Chronic Traumatic Encephalopathy: A Preliminary Examination, *J Neuropsychiatry Clin Neurosci*. 2017 Winter;29(1):6-12. doi: 10.1176/appi.neuropsych.16030043
112. Woerman AL, Aoyagi A, Patel S, Kazmi S, Lobach I, Grinberg L, **McKee A**, Seeley W, Olson S, and Prusiner S. Tau prions from Alzheimer's disease and chronic traumatic encephalopathy patients propagate in cultured cells. *Proc Natl Acad Sci U S A*. 2016 Dec 13;113(50): E8187-E8196
113. Mufson EJ, Perez SE, Nadeem M, Mahady L, Kanaan NM, Abrahamson EE, Ikonovic MD, Crawford F, Alvarez V, Stein T, **McKee AC**. Progression of tau pathology within

cholinergic nucleus basalis neurons in chronic traumatic encephalopathy: A chronic effects of neurotrauma consortium study. *Brain Inj.* 2016; 30 (12):1399-1413

114. Cherry JD, Tripodis Y, Alvarez VE, Huber B, Kiernan PT, Daneshvar DH, Mez J, Montenigro PH, Solomon TM, Alosco ML, Stern RA, **McKee AC**, Stein TD. Microglial neuroinflammation contributes to tau accumulation in chronic traumatic encephalopathy. *Acta Neuropathol Commun.* 2016 Oct 28;4(1):112

115. Carrasquillo MM, Crane PK, Cruchaga C, De Jager P, Ertekin-Taner N, Evans D, Fallin MD, Foroud TM, Friedland RP, Goate AM, Graff-Radford NR, Hendrie H, Hall KS, Hamilton-Nelson KL, Inzelberg R, Kamboh MI, Kauwe JS, Kukull WA, Kunkle BW, Kuwano R, Larson EB, Logue MW, Manly JJ, Martin ER, Montine TJ, Mukherjee S, Naj A, Reiman EM, Reitz C, Sherva R, St George-Hyslop PH, Thornton T, Younkin SG, Vardarajan BN, Wang LS, Wendlund JR, Winslow AR; Alzheimer's Disease Genetics Consortium, Haines J, Mayeux R, Pericak-Vance MA, Schellenberg G, Lunetta KL, Farrer LA. Transethnic genome-wide scan identifies novel Alzheimer's disease loci. *Alzheimers Dement.* 2017 Feb 7. pii: S1552-5260(17)30003-1. doi: 10.1016/j.jalz.2016.12.012

116. Holleran L, Kim JH, Gangolli M, Stein T, Alvarez V, **McKee A**, Brody DL, Axonal disruption in white matter underlying cortical sulcus tau pathology in chronic traumatic encephalopathy, *Acta Neuropathol* 2017 Mar;133(3):367-380. doi: 10.1007/s00401-017-1686-x

117. Alosco ML, Duskin J, Besser LM, Martin B, Chaisson CE, Gunstad J, Kowall NW, **McKee AC**, Stern RA, Tripodis Y. Modeling the Relationships Among Late-Life Body Mass Index, Cerebrovascular Disease, and Alzheimer's Disease Neuropathology in an Autopsy Sample of 1,421 Subjects from the National Alzheimer's Coordinating Center Data Set. *J Alzheimers Dis.* 2017;57(3):953-968. doi: 10.3233/JAD-161205

118. Gangolli M, Holleran L, Hee Kim J, Stein TD, Alvarez V, **McKee AC**, Brody DL. Quantitative validation of a nonlinear histology-MRI co-registration method using generalized Q-sampling imaging in complex human cortical white matter. *Neuroimage.* 2017 Jun; 153:152-167. doi: 10.1016/j.neuroimage.2017.03.059. Epub 2017 Mar 30. PMID: 28365421

119. Saygin ZM, Kliemann D, Iglesias JE, van der Kouwe AJW, Boyd E, Reuter M, Stevens A, Van Leemput K, **McKee A**, Frosch MP, Fischl B, Augustinack JC; Alzheimer's Disease Neuroimaging Initiative. High-resolution magnetic resonance imaging reveals nuclei of the human amygdala: manual segmentation to automatic atlas. *Neuroimage.* 2017 May 4. pii: S1053-8119(17)30342-7. doi: 10.1016/j.neuroimage.2017.04.046

120. Seo JS, Lee S, Shin JY, Hwang YJ, Cho H, Yoo SK, Kim Y, Lim S, Kim YK, Hwang EM, Kim SH, Kim CH, Hyeon SJ, Yun JY, Kim J, Kim Y, Alvarez VE, Stein TD, Lee J, Kim DJ, Kim JI, Kowall NW, Ryu H, **McKee AC**. Transcriptome analyses of chronic traumatic encephalopathy show alterations in protein phosphatase expression associated with tauopathy. *Exp Mol Med.* 2017 May 19;49(5): e333. doi: 10.1038/emm.2017.56

121. Holmes SE, Girgenti MJ, Davis MT, Pietrzak RH, DellaGioia N, Nabulsi N, Matuskey D, Southwick S, Duman RS, Carson RE, Krystal JH, Esterlis I; Traumatic Stress Brain Study Group. Altered metabotropic glutamate receptor 5 markers in PTSD: In vivo and postmortem evidence. *Proc Natl Acad Sci U S A.* 2017 Aug 1;114(31):8390-8395. doi: 10.1073/pnas.1701749114. Epub 2017 Jul 17. PMID: 28716937

122. Sims R, van der Lee SJ, Naj AC, Bellenguez C, Badarinarayan N, Jakobsdottir J, Kunkle BW, Boland A, Raybould R, Bis JC, Martin ER, Grenier-Boley B, Heilmann-Heimbach S, Chouraki V, Kuzma AB, Sleegers K, Vronskaya M, Ruiz A, Graham RR, Olsos R, Hoffmann P,

Grove ML, Vardarajan BN, Hiltunen M, Nöthen MM, White CC, Hamilton-Nelson KL, Epelbaum J, Maier W, Choi SH, Beecham GW, Dulary C, Herms S, Smith AV, Funk CC, Derbois C, Forstner AJ, Ahmad S, Li H, Bacq D, Harold D, Satizabal CL, Valladares O, Squassina A, Thomas R, Brody JA, Qu L, Sánchez-Juan P, Morgan T, Wolters FJ, Zhao Y, Garcia FS, Denning N, Fornage M, Malamon J, Naranjo MCD, Majounie E, Mosley TH, Dombroski B, Wallon D, Lupton MK, Dupuis J, Whitehead P, Fratiglioni L, Medway C, Jian X, Mukherjee S, Keller L, Brown K, Lin H, Cantwell LB, Panza F, McGuinness B, Moreno-Grau S, Burgess JD, Solfrizzi V, Proitsi P, Adams HH, Allen M, Seripa D, Pastor P, Cupples LA, Price ND, Hannequin D, Frank-García A, Levy D, Chakrabarty P, Caffarra P, Giegling I, Beiser AS, Giedraitis V, Hampel H, Garcia ME, Wang X, Lannfelt L, Mecocci P, Eiriksdottir G, Crane PK, Pasquier F, Boccardi V, Henández I, Barber RC, Scherer M, Tarraga L, Adams PM, Leber M, Chen Y, Albert MS, Riedel-Heller S, Emilsson V, Beekly D, Braae A, Schmidt R, Blacker D, Masullo C, Schmidt H, Doody RS, Spalletta G, Jr WTL, Fairchild TJ, Bossù P, Lopez OL, Frosch MP, Sacchinelli E, Ghetti B, Yang Q, Huebinger RM, Jessen F, Li S, Kamboh MI, Morris J, Sotolongo-Grau O, Katz MJ, Corcoran C, Dunstan M, Braddel A, Thomas C, Meggy A, Marshall R, Gerrish A, Chapman J, Aguilar M, Taylor S, Hill M, Fairén MD, Hodges A, Vellas B, Soininen H, Kloszewska I, Daniilidou M, Uphill J, Patel Y, Hughes JT, Lord J, Turton J, Hartmann AM, Cecchetti R, Fenoglio C, Serpente M, Arcaro M, Caltagirone C, Orfei MD, Ciaramella A, Pichler S, Mayhaus M, Gu W, Lleó A, Fortea J, Blesa R, Barber IS, Brookes K, Cupidi C, Maletta RG, Carrell D, Sorbi S, Moebus S, Urbano M, Pilotto A, Kornhuber J, Bosco P, Todd S, Craig D, Johnston J, Gill M, Lawlor B, Lynch A, Fox NC, Hardy J; ARUK Consortium, Albin RL, Apostolova LG, Arnold SE, Asthana S, Atwood CS, Baldwin CT, Barnes LL, Barral S, Beach TG, Becker JT, Bigio EH, Bird TD, Boeve BF, Bowen JD, Boxer A, Burke JR, Burns JM, Buxbaum JD, Cairns NJ, Cao C, Carlson CS, Carlsson CM, Carney RM, Carrasquillo MM, Carroll SL, Diaz CC, Chui HC, Clark DG, Cribbs DH, Crocco EA, DeCarli C, Dick M, Duara R, Evans DA, Faber KM, Fallon KB, Fardo DW, Farlow MR, Ferris S, Foroud TM, Galasko DR, Gearing M, Geschwind DH, Gilbert JR, Graff-Radford NR, Green RC, Growdon JH, Hamilton RL, Harrell LE, Honig LS, Huentelman MJ, Hulette CM, Hyman BT, Jarvik GP, Abner E, Jin LW, Jun G, Karydas A, Kaye JA, Kim R, Kowall NW, Kramer JH, LaFerla FM, Lah JJ, Leverenz JB, Levey AI, Li G, Lieberman AP, Lunetta KL, Lyketsos CG, Marson DC, Martiniuk F, Mash DC, Masliah E, McCormick WC, McCurry SM, McDavid AN, **McKee AC**, Mesulam M, Miller BL, Miller CA, Miller JW, Morris JC, Murrell JR, Myers AJ, O'Bryant S, Olichney JM, Pankratz VS, Parisi JE, Paulson HL, Perry W, Peskind E, Pierce A, Poon WW, Potter H, Quinn JF, Raj A, Raskind M, Reisberg B, Reitz C, Ringman JM, Roberson ED, Rogaeva E, Rosen HJ, Rosenberg RN, Sager MA, Saykin AJ, Schneider JA, Schneider LS, Seeley WW, Smith AG, Sonnen JA, Spina S, Stern RA, Swerdlow RH, Tanzi RE, Thornton-Wells TA, Trojanowski JQ, Troncoso JC, Van Deerlin VM, Van Eldik LJ, Vinters HV, Vonsattel JP, Weintraub S, Welsh-Bohmer KA, Wilhelmsen KC, Williamson J, Wingo TS, Woltjer RL, Wright CB, Yu CE, Yu L, Garzia F, Golamaully F, Septier G, Engelborghs S, Vandenberghe R, De Deyn PP, Fernandez CM, Benito YA, Thonberg H, Forsell C, Lilius L, Kinhult-Ståhlbom A, Kilander L, Brundin R, Concari L, Helisalmi S, Koivisto AM, Haapasalo A, Dermecourt V, Fievet N, Hanon O, Dufouil C, Brice A, Ritchie K, Dubois B, Himali JJ, Keene CD, Tschanz J, Fitzpatrick AL, Kukull WA, Norton M, Aspelund T, Larson EB, Munger R, Rotter JI, Lipton RB, Bullido MJ, Hofman A, Montine TJ, Coto E, Boerwinkle E, Petersen RC, Alvarez V, Rivadeneira F, Reiman EM, Gallo M, O'Donnell CJ, Reisch JS, Bruni AC, Royall DR, Dichgans M, Sano M, Galimberti D, St George-Hyslop P, Scarpini E, Tsuang DW, Mancuso M, Bonuccelli U, Winslow AR, Daniele A, Wu CK; GERAD/PERADES, CHARGE, ADGC, EADI, Peters O, Nacmias B, Riemenschneider M, Heun R, Brayne C, Rubinsztein DC, Bras J, Guerreiro R, Al-Chalabi A, Shaw CE, Collinge J, Mann D, Tsolaki M, Clarimón J, Sussams R,

Lovestone S, O'Donovan MC, Owen MJ, Behrens TW, Mead S, Goate AM, Uitterlinden AG, Holmes C, Cruchaga C, Ingelsson M, Bennett DA, Powell J, Golde TE, Graff C, De Jager PL, Morgan K, Ertekin-Taner N, Combarros O, Psaty BM, Passmore P, Younkin SG, Berr C, Gudnason V, Rujescu D, Dickson DW, Dartigues JF, DeStefano AL, Ortega-Cubero S, Hakonarson H, Champion D, Boada M, Kauwe JK, Farrer LA, Van Broeckhoven C, Ikram MA, Jones L, Haines JL, Tzourio C, Launer LJ, Escott-Price V, Mayeux R, Deleuze JF, Amin N, Holmans PA, Pericak-Vance MA, Amouyel P, van Duijn CM, Ramirez A, Wang LS, Lambert JC, Seshadri S, Williams J, Schellenberg GD. Rare coding variants in *PLCG2*, *ABI3*, and *TREM2* implicate microglial-mediated innate immunity in Alzheimer's disease. *Nat Genet.* 2017 Jul 17. doi: 10.1038/ng.3916. [Epub ahead of print] PMID:28714976

123. Mez J, Daneshvar D, Kiernan P, Abdolmohammadi B, Alvarez V, Huber B, Alosco M, Solomon T, Nowinski C, McHale L, Cormier K, Kubilus C, Martin B, Murphy L, Baugh C, Montenegro P, Chaisson C, Tripodis Y, Kowall N, Weuve J, McClean M, Cantu R, Goldstein L, Katz D, Stern R, Stein T, **McKee A**. Clinicopathological Evaluation of Chronic Traumatic Encephalopathy in Players of American Football. *JAMA.* 2017 Jul 25;318(4):360-370. doi: 10.1001/jama.2017.8334. PMID:28742910

124. Sours C, Hinds SR 2nd, **McKee AC**, Perl DP, Leggieri MJ Jr. Brain Banks and Tissue Repositories for Blast-Related Chronic Traumatic Encephalopathy Research. *J Neurotrauma.* 2017 Sep;34(S1):S4-S5. doi: 10.1089/neu.2017.29014.bb

125. Alosco ML, Kasimis AB, Stamm JM, Chua AS, Baugh CM, Daneshvar DH, Robbins CA, Mariani M, Hayden J, Conneely S, Au R, Torres A, McClean MD, **McKee AC**, Cantu RC, Mez J, Nowinski CJ, Martin BM, Chaisson CE, Tripodis Y, Stern RA. Age of first exposure to American football and long-term neuropsychiatric and cognitive outcomes. *Transl Psychiatry.* 2017 Sep 19;7(9): e1236. doi: 10.1038/tp.2017.197

126. Cherry J, Stein T, Tripodis Y, Alvarez V, Huber B, Au R, Kiernan P, Daneshvar D, Mez J, Solomon T, Alosco M, **McKee A**. CCL11 is increased in the CNS in chronic traumatic encephalopathy but not in Alzheimer's disease *PLoS One.* 2017; 12(9): e0185541

127. Lee J, Kim Y, Liu T, Hwang YJ, Hyeon SJ, Im H, Lee K, Alvarez VE, **McKee AC**, Um SJ, Hur M, Mook-Jung I, Kowall NW, Ryu H. SIRT3 deregulation is linked to mitochondrial dysfunction in Alzheimer's disease. *Aging Cell.* 2017 Nov 11

128. Alosco ML, Koerte IK, Tripodis Y, Mariani M, Chua AS, Jarnagin J, Rahimpour Y, Puzo C, Healy RC, Martin B, Chaisson CE, Cantu RC, Au R, McClean M, **McKee AC**, Lin AP, Shenton ME, Killiany RJ, Stern RA. White matter signal abnormalities in former National Football League players. *Alzheimers Dement (Amst).* 2017 Nov 6; 10:56-65

129. Moszyzinski A, Strong W, Xu K, **McKee A**, Brown A, Strong M. Pathological Thr tau phosphorylation and its relationship to chronic traumatic encephalopathy. *Neurology* 2018 Jan 3

130. Kenney K, Iacono D, Edlow B, Katz D, Diaz-Arrastia R, Dams-O'Connor K, Daneshvar D, Stevens A, Moreau A, Tirrell L, Varjabedian A, Yendiki A, Kouwe A, Mareyam, A, McNab J, Gordon W, Fischl B, **McKee A**, Perl P. Dementia after Moderate-Severe Traumatic Brain Injury: Coexistence of Multiple Proteinopathies, *J Neuropathol Exp Neurol.* 2018 Jan 1;77(1):50-63

131. Cherry JD, Zeineddin A, Dammer EB, Webster J, Duong D, Seyfried NT, Levey AI, Alvarez VE, Huber B, Stein TD, Kiernan PT, **McKee AC**, Lah JJ, Hales CM. Characterization of Detergent Insoluble Proteome in Chronic Traumatic Encephalopathy, *J Neuropathol Exp Neurol.* 2018 Jan 1;77(1):40-49

132. Tagge CA, Fisher AM, Minaeva OV, Gaudreau-Balderrama A, Moncaster JA, Zhang XL, Wojnarowicz MW, Casey N, Lu H, Kokiko-Cochran ON, Saman S, Ericsson M, Onos KD, Veksler R, Senatorov VV, Kondo A, Zhou XZ, Miry O, Vose LR, Gopaul KR, Upreti C, Nowinski CJ, Cantu RC, Alvarez VE, Konrad J, Hamilton JA, Hua N, Tripodis Y, Anderson AT, Howell GR, Kaufer D, Hall GF, Lu KP, Ransohoff RM, Cleveland RO, Kowall NW, Huber BR, Stein TD, Lamb BT, Moss WC, Friedman A, Stanton PK, **McKee AC**, Goldstein LE*. Concussion, microvascular injury, and early tauopathy in young athletes after impact head injury and an impact concussion mouse model. *Brain*, 2018, Feb 1;141(2):422-458
133. Alosco ML, Mez J, Tripodis Y, Kiernan PT, Abdolmohammadi B, Murphy L, Kowall NW, Stein TD, Huber BR, Goldstein LE, Cantu RC, Katz DI, Chaisson CE, Martin B, Solomon TM, McClean MD, Daneshvar DH, Nowinski CJ, Stern RA, **McKee AC**. Age of First Exposure to Tackle Football and Chronic Traumatic Encephalopathy. *Ann Neurol*. 2018 Apr 30. doi: 10.1002/ana.25245, PMID:30053297
134. Alosco ML, Tripodis Y, Fritts NG, Heslegrave A, Baugh CM, Conneely S, Mariani M, Martin BM, Frank S, Mez J, Stein TD, Cantu RC, **McKee AC**, Shaw LM, Trojanowski JQ, Blennow K, Zetterberg H, Stern RA. Cerebrospinal fluid tau, A β , and sTREM2 in former National Football League Players: Modeling the relationship between repetitive head impacts, microglial activation, and neurodegeneration. *Alzheimers and Dementia*, 2018 Jul 23. pii: S1552-5260(18)30158-4. doi: 10.1016/j.jalz.2018.05.004. PMID: 30049650
135. Adams J, Alvarez V, Mez J, Huber B, Tripodis Y, Xia W, Meng G, Kubilus C, Cormier K, Kiernan P, Daneshvar D, Chua A, Svirsky S, Nicks R, Abdolmohammadi B, Evers L, Solomon T, Cherry J, Aytan N, Mahar I, Devine S, Auerbach S, Alosco M, Nowinski C, Kowall N, Goldstein L, Dwyer B, Katz D, Cantu R, Stern R, Au R, **McKee A**, Stein T. Lewy body pathology and chronic traumatic encephalopathy associated with contact sports. *J Neuropath Exp Neurol*, 2018 Jul 25, doi: 10.1093/jnen/nly065
136. Astrocytic degeneration in chronic traumatic encephalopathy. Hsu ET, Gangolli M, Su S, Holleran L, Stein TD, Alvarez VE, **McKee AC**, Schmidt RE, Brody DL. *Acta Neuropathol*. 2018 Sep 7. doi: 10.1007/s00401-018-1902-3
137. Walt G, Burris H, Brady C, Spencer K, Alvarez V, Huber B, Guilderson L, Rauf A, Collins D, Singh T, Mathias R, Averill J, Walker S, Robey I, **McKee Ann**, Kowall N, Stein T. Chronic traumatic encephalopathy within an amyotrophic lateral sclerosis brain bank cohort. *J Neuropath Exp Neurol*, 2018 Dec 1;77(12):1091-1100
138. Cherry* J, Mez J*, Crary J Tripodis Y, Alvarez V, Mahar I, Huber B, Alosco M, Nicks R, Abdolmohammadi B, Kiernan P, Evers L, Svirsky S, Babcock K, Gardner H, Meng G, Nowinski C, Martin B, Kowall N, Cantu R, Goldstein L, Katz D, Stern R, Lindsay A, Farrer L, **McKee A**#, Stein T#. Variation in TMEM106B and Chronic Traumatic Encephalopathy. *Acta Neuropathologica Comm*, 2018 Nov 4;6(1):115
139. Morrison F, Miller M, Wolf E, Logue M; Maniates H, Kwasnik D, Cherry J; Svirsky S, Restaino A, Hildebrandt A, Naytan N, Stein T, Alvarez V, **McKee A**, Huber B. Reduced interleukin 1A gene expression in the dorsolateral prefrontal cortex of individuals with PTSD and depression. *Neuroscience Letters*, 2018, Oct 23;692:204-209
140. Nemani S, NotariS, Cali I, Alvarez V, Kofskey D, Cohen M, Stern R, Appleby B, Abrams J, Schonberger L, **McKee A**, Gambetti P. Co-occurrence of chronic traumatic encephalopathy and prion disease. *Acta Neuropathol Commun*. 2018 Dec 18;6(1):140. doi: 10.1186/s40478-018-0643-9

141. Armstrong RA, **McKee AC**, Stein TD, Alvarez VE, Cairns NJ. Cortical degeneration in chronic traumatic encephalopathy and Alzheimer's disease neuropathologic change. *Neurol Sci*. 2018 Dec 18. doi: 10.1007/s10072-018-3686-6
142. Robinson ME, **McKee AC**, Salat DH, Rasmusson AM, Radigan LJ, Catana C, Milberg WP, McGlinchey RE. Positron emission tomography of tau in Iraq and Afghanistan Veterans with blast neurotrauma. *Neuroimage Clin*. 2019 Jan 3:101651. doi: 10.1016/j.nicl.2019.101651
143. Sugarman MA, **McKee AC**, Stein TD, Tripodis Y, Besser LM, Martin B, Palmisano JN, Steinberg EG, O'Connor MK, Au R, McClean M, Killiany R, Mez J, Weiner MW, Kowall NW, Stern RA, Alosco ML. Failure to detect an association between self-reported traumatic brain injury and Alzheimer's disease neuropathology and dementia. *Alzheimers Dement*. 2019 Mar 6
144. Alosco ML, Tripodis Y, Rowland B, Chua AS, Liao H, Martin B, Jarnagin J, Chaisson CE, Pasternak O, Karmacharya S, Koerte IK, Cantu RC, Kowall NW, **McKee AC**, Shenton ME, Greenwald R, McClean M, Stern RA, Lin A. A magnetic resonance spectroscopy investigation in symptomatic former NFL players. *Brain Imaging Behav*. 2019 Mar 8. doi: 10.1007/s11682-019-00060-4
145. Kunkle BW, Grenier-Boley B, Sims R, Pericak-Vance MA. Genetic meta-analysis of diagnosed Alzheimer's disease identifies new risk loci and implicates A β , tau, immunity and lipid processing. *Nat Genet*. 2019 Mar;51(3):414-430. doi: 10.1038/s41588-019-0358-2
146. Signaevsky M, Prastawa M, Farrell K, Tabish N, Baldwin E, Han N, Iida MA, Koll J, Bryce C, Purohit D, Haroutunian V, **McKee AC**, Stein TD, White CL 3rd, Walker J, Richardson TE, Hanson R, Donovan MJ, Cordon-Cardo C, Zeineh J, Fernandez G, Crary JF. Artificial intelligence in neuropathology: deep learning-based assessment of tauopathy. *Lab Invest*. 2019 Feb 15. doi: 10.1038/s41374-019-0202-4
147. Chauhan G, Adams HHH, Satizabal CL, Debette S; Stroke Genetics Network (SiGN), the International Stroke Genetics Consortium (ISGC), METASTROKE, Alzheimer's Disease Genetics Consortium (ADGC), and the Neurology Working Group of the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium. Genetic and lifestyle risk factors for MRI-defined brain infarcts in a population-based setting. *Neurology*. 2019 Jan 16
148. Standring OJ, Friedberg J, Tripodis Y, Chua AS, Cherry JD, Alvarez VE, Huber BR, Xia W, Mez J, Alosco ML, Nicks R, Mahar I, Pothast MJ, Gardner HM, Meng G, Palmisano JN, Martin BM, Dwyer B, Kowall NW, Cantu RC, Goldstein LE, Katz DI, Stern RA, **McKee AC**, Stein TD. Contact sport participation and chronic traumatic encephalopathy are associated with altered severity and distribution of cerebral amyloid angiopathy. *Acta Neuropathol*. 2019 Jun 10. doi: 10.1007/s00401-019-02031-x
149. Zeldich E, Chen CD, Boden E, Howat B, Nasse JS, Zeldich D, Lambert AG, Yuste A, Cherry JD, Mathias RM, Ma Q, Lau NC, **McKee AC**, Hatzipetros T, Abraham CR. Klotho Is Neuroprotective in the Superoxide Dismutase (SOD1^{G93A}) Mouse Model of ALS. *J Mol Neurosci*. 2019 Jun 27. doi: 10.1007/s12031-019-01356-2
150. Bi B, Choi HP, Hyeon SJ, Sun S, Su N, Liu Y, Lee J, Kowall NW, **McKee AC**, Yang JH, Ryu H. Quantitative Proteomic Analysis Reveals Impaired Axonal Guidance Signaling in Human Postmortem Brain Tissues of Chronic Traumatic Encephalopathy. *Exp Neurobiol*. 2019 Jun;28(3):362-375. doi: 10.5607/en.2019.28.3.362. Epub 2019 Jun 26
151. Puzo C, Labriola C, Sugarman MA, Tripodis Y, Martin B, Palmisano JN, Steinberg EG, Stein TD, Kowall NW, **McKee AC**, Mez J, Killiany RJ, Stern RA, Alosco ML. Independent

effects of white matter hyperintensities on cognitive, neuropsychiatric, and functional decline: a longitudinal investigation using the National Alzheimer's Coordinating Center Uniform Data Set. *Alzheimers Res Ther.* 2019 Jul 27;11(1):64. doi: 10.1186/s13195-019-0521-0. PMID: 31351489

152. Alosco ML, Stein TD, Tripodis Y, Chua AS, Kowall NW, Huber BR, Goldstein LE, Cantu RC, Katz DI, Palmisano JN, Martin B, Cherry JD, Mahar I, Killiany RJ, McClean MD, Au R, Alvarez V, Stern RA, Mez J, **McKee AC**. Association of White Matter Rarefaction, Arteriolosclerosis, and Tau With Dementia in Chronic Traumatic Encephalopathy. *JAMA Neurol.* 2019 Aug 5. doi: 10.1001/jamaneurol.2019.2244. PMID:31380975

153. Marta Marquí, M.D., Ph.D.; Cinthya Agüero, M.D., Ph.D.; Ana C. Amaral, Ph.D.; Alberto Villarejo-Galende, M.D., Ph.D.; Prianca Ramanan, B.A.; Michael Siao Tick Chong, B.A.; Nil Sáez-Calveras; Rachel E. Bennett, Ph.D.; Eline E. Verwer, Ph.D.; Sally Ji Who Kim, Ph.D.; Maeva Dhaynaut, M.S.; Keith A. Johnson, M.D.; **Ann C. McKee, M.D.**; Matthew P. Frosch, M.D., Ph.D.; Victor E. Alvarez, M.D.; Teresa Gomez-Isla, M.D., Ph.D. [18F]-AV-1451 binding profile in Chronic Traumatic Encephalopathy: a postmortem case series *Acta Neuropathologica Communications*, 2019 Oct 28;7(1):164. doi: 10.1186/s40478-019-0808-PMID:31661038

154. Conner SC, Pase MP, Carneiro H, Raman MR, **McKee AC**, Alvarez VE, Walker JM, Satizabal CL, Himali JJ, Stein TD, Beiser A, Seshadri S. Mid-life and late-life vascular risk factor burden and neuropathology in old age. *Ann Clin Transl Neurol.* 2019 Dec;6(12):2403-2412. doi: 10.1002/acn3.50936. Epub 2019 Nov 5.

155. Minaeva O, Hua N, Franz ES, Lupoli N, Mian AZ, Farris CW, Hildebrandt AM, Kiernan PT, Evers LE, Griffin AD, Liu X, Chancellor SE, Babcock KJ, Moncaster JA, Jara H, Alvarez VE, Huber BR, Guermazi A, Latour LL, **McKee AC**, Soto JA, Anderson SW, Goldstein LE. Nonhomogeneous Gadolinium Retention in the Cerebral Cortex after Intravenous Administration of Gadolinium-based Contrast Agent in Rats and Humans. *Radiology.* 2020 Feb;294(2):377-385. doi: 10.1148/radiol.2019190461. Epub 2019 Nov 26

156. Mez J, Daneshvar D, Abdolmohammadi B, Chua A, Alosco M, Kiernan P, Evers L, Marshall L, Martin B, Palmisano J, Nowinski C, Mahar I, Cherry J, Alvarez V, Dwyer B, Huber B, Stein T, Goldstein L, Katz D, Cantu R, Au R, Kowall N, Stern R, McClean M, Weuve J, Tripodis Y, **McKee A**. Duration of American football play and chronic traumatic encephalopathy, *Ann Neurol.* 2020 Jan;87(1):116-131. doi: 10.1002/ana.25611. PMID: PMC6973077.

157. Reiman EM, Arboleda-Velasquez JF, Quiroz YT, Huentelman MJ, Beach TG, Caselli RJ, Chen Y, Su Y, Myers AJ, Hardy J, Paul Vonsattel J, Younkin SG, Bennett DA, De Jager PL, Larson EB, Crane PK, Keene CD, Kamboh MI, Kofler JK, Duque L, Gilbert JR, Gwirtsman HE, Buxbaum JD, Dickson DW, Frosch MP, Ghetti BF, Lunetta KL, Wang LS, Hyman BT, Kukull WA, Foroud T, Haines JL, Mayeux RP, Pericak-Vance MA, Schneider JA, Trojanowski JQ, Farrer LA, Schellenberg GD, Beecham GW, Montine TJ, Jun GR; Alzheimer's Disease Genetics Consortium. Exceptionally low likelihood of Alzheimer's dementia in APOE2 homozygotes from a 5,000-person neuropathological study. *Nat Commun.* 2020 Feb 3;11(1):667. doi: 10.1038/s41467-019-14279-8. PMID: 32015339

158. Logue MW, Miller MW, Wolf EJ, Huber BR, Morrison FG, Zhou Z, Zheng Y, Smith AK, Daskalakis NP, Ratanatharathorn A, Uddin M, Nievergelt CM, Ashley-Koch AE, Baker DG, Beckham JC, Garrett ME, Boks MP, Geuze E, Grant GA, Hauser MA, Kessler RC, Kimbrel NA, Maihofer AX, Marx CE, Qin XJ, Risbrough VB, Rutten BPF, Stein MB, Ursano RJ, Vermetten E, Vinkers CH, Ware EB, Stone A, Schichman SA, McGlinchey RE, Milberg WP, Hayes JP, Verfaellie M; An epigenome-wide association study of posttraumatic stress disorder in US

- veterans implicates several new DNA methylation loci. Traumatic Stress Brain Study Group. *Clin Epigenetics*. 2020 Mar 14;12(1):46. doi: 10.1186/s13148-020-0820-0. PMID: 32171335
159. Lee MY, Lee J, Hyeon SJ, Cho H, Hwang YJ, Shin JY, **McKee AC**, Kowall NW, Kim JI, Stein TD, Hwang D, Ryu H. Epigenome signatures landscaped by histone H3K9me3 are associated with the synaptic dysfunction in Alzheimer's disease. *Aging Cell*. 2020 Jun;19(6): e13153. doi: 10.1111/accel.13153. Epub 2020 May 17. PMID: 32419307
160. Cho H, Hyeon SJ, Shin JY, Alvarez VE, Stein TD, Lee J, Kowall NW, **McKee AC**, Ryu H, Seo JS. Alterations of transcriptome signatures in head trauma-related neurodegenerative disorders. *Sci Rep*. 2020 Jun 1;10(1):8811. doi: 10.1038/s41598-020-65916-y. PMID: 32483284
161. Alosco ML, Tripodis Y, Baucom ZH, Mez J, Stein TD, Martin B, Haller O, Conneely S, McClean M, Nosheny R, Mackin S, **McKee AC**, Weiner MW, Stern RA. Late contributions of repetitive head impacts and TBI to depression symptoms and cognition. *Neurology*. 2020 Aug 18;95(7):e793-e804. doi: 10.1212/WNL.0000000000010040. Epub 2020 Jun 26. PMID: 32591472
162. Spencer KR, Foster ZW, Rauf NA, Guilderson L, Collins D, Averill JG, Walker SE, Robey I, Cherry JD, Alvarez VE, Huber BR, **McKee AC**, Kowall NW, Brady CB, Stein TD. Neuropathological profile of long-duration amyotrophic lateral sclerosis in military Veterans. *Brain Pathol*. 2020 Jul 7. doi: 10.1111/bpa.12876. Online ahead of print. PMID: 32633852
163. **McKee AC**, Stein TD, Crary JF, Bieniek KF, Cantu RC, Kovacs GG. Practical Considerations in the Diagnosis of Mild Chronic Traumatic Encephalopathy and Distinction From Age-Related Tau Astroglialopathy. *J Neuropathol Exp Neurol*. 2020 Aug 1;79(8):921-924. doi: 10.1093/jnen/nlaa047. PMID: 32688381
164. **McKee AC**. The Neuropathology of Chronic Traumatic Encephalopathy: The Status of the Literature. *Semin Neurol*. 2020 Aug;40(4):359-369. doi: 10.1055/s-0040-1713632. Epub 2020 Jul 26. PMID: 32712946 Review.
165. Mez J, Stern RA, **McKee AC**. Chronic Traumatic Encephalopathy. *Semin Neurol*. 2020 Aug;40(4):351-352. doi: 10.1055/s-0040-1715824. Epub 2020 Sep 9. PMID: 32906179
166. Cherry JD, Kim SH, Stein TD, Pothast MJ, Nicks R, Meng G, Huber BR, Mez J, Alosco ML, Tripodis Y, Farrell K, Alvarez VE, **McKee AC**, Crary JF. Evolution of neuronal and glial tau isoforms in chronic traumatic encephalopathy. *Brain Pathol*. 2020 Sep;30(5):913-925. doi: 10.1111/bpa.12867. Epub 2020 Jul 2. PMID: 32500646
167. Warling A, Uchida R, Shin H, Dodelson C, Garcia ME, Shea-Shumsky NB, Svirsky S, Pothast M, Kelley H, Schumann CM, Brzezinski C, Bauman MD, Alexander A, **McKee AC**, Stein TD, Schall M, Jacobs B.J Putative dendritic correlates of chronic traumatic encephalopathy: A preliminary quantitative Golgi exploration. *Comp Neurol*. 2020 Sep 1. doi: 10.1002/cne.25022. Online ahead of print. PMID: 328693167
168. Adams JW, Alosco ML, Mez J, Alvarez VE, Huber BR, Tripodis Y, Adler CH, Kubilius C, Cormier KA, Mathais R, Nicks R, Kelley HJ, Saltiel N, Uretsky M, Nair E, Aytan N, Cherry JD, Nowinski CJ, Kowall NW, Goldstein LE, Dwyer B, Katz DI, Cantu RC, Stern RA, **McKee AC**, Stein TD. Association of probable REM sleep behavior disorder with pathology and years of contact sports play in chronic traumatic encephalopathy. *Acta Neuropathol*. 2020 DEC;140(6):851-862. doi: 10.1007/s00401-020-02206-x. epub 2020 Sep17. PMID: 32939646

169. Sugarman MA, Zetterberg H, Blennow K, Tripodis Y, **McKee AC**, Stein TD, Martin B, Palmisano JN, Steinberg EG, Simkin I, Budson AE, Killiany R, O'Connor MK, Au R, Qiu WWQ, Goldstein LE, Kowall NW, Mez J, Stern RA, Alosco ML. A longitudinal examination of plasma neurofilament light and total tau for the clinical detection and monitoring of Alzheimer's disease. *Neurobiol Aging*. 2020 Oct; 94:60-70. doi: 10.1016/j.neurobiolaging.2020.05.011. Epub 2020 May 29. PMID: 32585491
170. Alosco ML, Cherry JD, Huber BR, Tripodis Y, Baucom Z, Kowall NW, Saltiel N, Goldstein LE, Katz DI, Dwyer B, Daneshvar DH, Palmisano JN, Martin B, Cantu RC, Stern RA, Alvarez VE, Mez J, Stein TD, **McKee AC**. Characterizing tau deposition in chronic traumatic encephalopathy (CTE): utility of the McKee CTE staging scheme. *Acta Neuropathol*. 2020 Oct;140(4):495-512. doi: 10.1007/s00401-020-02197-9. Epub 2020 Aug 11. PMID: 32778942
171. Zlokovic BV, Gottesman RF, Bernstein KE, Seshadri S, **McKee A**, Snyder H, Greenberg SM, Yaffe K, Schaffer CB, Yuan C, Hughes TM, Daemen MJ, Williamson JD, González HM, Schneider J, Wellington CL, Katusic ZS, Stoeckel L, Anderson D, Koenig JI, Corriveau RA, Fine L, Galis ZS, Reis J, Wright JD, Chen J. Vascular contributions to cognitive impairment and dementia (VCID): A report from the 2018 National Heart, Lung, and Blood Institute and National Institute of Neurological Disorders and Stroke Workshop. *Alzheimers Dement*. 2020 Oct 8. doi: 10.1002/alz.12157. Online ahead of print. PMID: 33030307
172. Kunkle BW, Schmidt M, Klein HU, Naj AC, Hamilton-Nelson KL, Larson EB, Evans DA, De Jager PL, Crane PK, Buxbaum JD, Ertekin-Taner N, Barnes LL, Fallin MD, Manly JJ, Go RCP, Obisesan TO, Kamboh MI, Bennett DA, Hall KS, Goate AM, Foroud TM, Martin ER, Wang LS, Byrd GS, Farrer LA, Haines JL, Schellenberg GD, Mayeux R, Pericak-Vance MA, Reitz C; **Alzheimer's Disease Genetics Consortium (ADGC)**, Graff-Radford NR, Martinez I, Ayodele T, Logue MW, Cantwell LB, Jean-Francois M, Kuzma AB, Adams LD, Vance JM, Cuccaro ML, Chung J, Mez J, Lunetta KL, Jun GR, Lopez OL, Hendrie HC, Reiman EM, Kowall NW, Leverenz JB, Small SA, Levey AI, Golde TE, Saykin AJ, Starks TD, Albert MS, Hyman BT, Petersen RC, Sano M, Wisniewski T, Vassar R, Kaye JA, Henderson VW, DeCarli C, LaFerla FM, Brewer JB, Miller BL, Swerdlow RH, Van Eldik LJ, Paulson HL, Trojanowski JQ, Chui HC, Rosenberg RN, Craft S, Grabowski TJ, Asthana S, Morris JC, Strittmatter SM, Kukull WA. Novel Alzheimer Disease Risk Loci and Pathways in African American Individuals Using the African Genome Resources Panel: A Meta-analysis. *JAMA Neurol*. 2020 Oct 19:e203536. doi: 10.1001/jamaneurol.2020.3536. Online ahead of print. PMID: 33074286
173. Pelcher I, Puzo C, Tripodis Y, Aparicio HJ, Steinberg EG, Phelps A, Martin B, Palmisano JN, Vassey E, Lindbergh C, **McKee AC**, Stein TD, Killiany RJ, Au R, Kowall NW, Stern RA, Mez J, Alosco ML. Revised Framingham Stroke Risk Profile: Association with Cognitive Status and MRI-Derived Volumetric Measures. *J Alzheimers Dis*. 2020;78(4):1393-1408. doi: 10.3233/JAD-200803. PMID: 33164933
174. Mez J, Daneshvar DH, Alosco ML, Alvarez VE, Huber BR, Stein TD, **McKee AC**. Reply to "Chronic Traumatic Encephalopathy and Primary Age-Related Tauopathy". *Ann Neurol*. 2020 Nov;88(5):1052-1053. doi: 10.1002/ana.25858. Epub 2020 Aug 22 PMID: 32754941
175. Cherry JD, Meng G, Daley S, Xia W, Svirsky S, Alvarez VE, Nicks R, Pothast M, Kelley H, Huber B, Tripodis Y, Alosco ML, Mez J, **McKee AC**, Stein TD. CCL2 is associated with microglia and macrophage recruitment in chronic traumatic encephalopathy. *J Neuroinflammation*. 2020 Dec 5;17(1):370. doi: 10.1186/s12974-020-02036-4. PMID: 33278887

176. Girgenti MJ, Wang J, Ji D, Cruz DA; Traumatic Stress Brain Research Group, Stein MB, Gelernter J, Young KA, Huber BR, Williamson DE, Friedman MJ, Krystal JH, Zhao H, Duman RS. Transcriptomic organization of the human brain in post-traumatic stress disorder. *Nat Neurosci.* 2020 Dec 21. doi: 10.1038/s41593-020-00748-7. Online ahead of print. PMID: 33349712

177. Walker JM, Richardson TE, Farrell K, Iida MA, Foong C, Shang P, Attems J, Ayalon G, Beach TG, Bigio EH, Budson A, Cairns NJ, Corrada M, Cortes E, Dickson DW, Fischer P, Flanagan ME, Franklin E, Gearing M, Glass J, Hansen LA, Haroutunian V, Hof PR, Honig L, Kawas C, Keene CD, Kofler J, Kovacs GG, Lee EB, Lutz MI, Mao Q, Masliah E, **McKee AC**, McMillan CT, Mesulam MM, Murray M, Nelson PT, Perrin R, Pham T, Poon W, Purohit DP, Rissman RA, Sakai K, Sano M, Schneider JA, Stein TD, Teich AF, Trojanowski JQ, Troncoso JC, Vonsattel JP, Weintraub S, Wolk DA, Woltjer RL, Yamada M, Yu L, White CL, Crary JF. Early Selective Vulnerability of the CA2 Hippocampal Subfield in Primary Age-Related Tauopathy. *J Neuropathol Exp Neurol.* 2020 Dec 23:nlaa153. doi: 10.1093/jnen/nlaa153. Online ahead of print. PMID: 33367843

178. Bieniek KF, Cairns NJ, Crary JF, Dickson DW, Folkerth RD, Keene CD, Litvan I, Perl DP, Stein TD, Vonsattel JP, Stewart W, Dams-O'Connor K, Gordon WA, Tripodis Y, Alvarez VE, Mez J, Alosco ML, **McKee AC**; TBI/CTE Research Group. The Second NINDS/NIBIB Consensus Meeting to Define Neuropathological Criteria for the Diagnosis of Chronic Traumatic Encephalopathy. *J Neuropathol Exp Neurol.* 2021 Feb 21;80(3):210-9. doi: 10.1093/jnen/nlab001. Online ahead of print. PMID: 33611507

179. Katz DI, Bernick C, Dodick DW, Mez J, Mariani ML, Adler CH, Alosco ML, Balcer LJ, Banks SJ, Barr WB, Brody DL, Cantu RC, Dams-O'Connor K, Geda YE, Jordan BD, McAllister TW, Peskind ER, Petersen RC, Wethe JV, Zafonte RD, Foley ÉM, Babcock DJ, Koroshetz WJ, Tripodis Y, **McKee AC**, Shenton ME, Cummings JL, Reiman EM, Stern RA. National Institute of Neurological Disorders and Stroke Consensus Diagnostic Criteria for Traumatic Encephalopathy Syndrome. *Neurology.* 2021 Mar 15;10.1212/WNL.0000000000011850. doi: 10.1212/WNL.0000000000011850. Online ahead of print. PMID: 33722990

180. Mez J, Alosco ML, Daneshvar DH, Satiel N, Baucom Z, Abdolmohammadi B, Uretsky M, Nicks R, Martin BM, Palmisano JN, Nowinski CJ, Montenigro P, Solomon TM, Mahar I, Cherry JD, Alvarez VE, Dwyer B, Goldstein LE, Katz DI, Cantu RC, Kowall NW, Tripodis Y, Huber BR, Stein TD, Stern RA, **McKee AC**. Validity of the 2014 traumatic encephalopathy syndrome criteria for CTE pathology. *Alzheimers Dement.* 2021 Apr 7. doi: 10.1002/alz.12338. Online ahead of print. PMID: 33826224

181. Katz DI, Bernick C, Dodick DW, Mez J, Mariani ML, Adler CH, Alosco ML, Balcer LJ, Banks SJ, Barr WB, Brody DL, Cantu RC, Dams-O'Connor K, Geda YE, Jordan BD, McAllister TW, Peskind ER, Petersen RC, Wethe JV, Zafonte RD, Foley ÉM, Babcock DJ, Koroshetz WJ, Tripodis Y, **McKee AC**, Shenton ME, Cummings JL, Reiman EM, Stern RA. National Institute of Neurological Disorders and Stroke Consensus Diagnostic Criteria for Traumatic Encephalopathy Syndrome. *Neurology.* 2021 May 4;96(18):848-863. doi: 10.1212/WNL.0000000000011850. Epub 2021 Mar 15. PMID: 33722990 Review.

182. Cherry JD, Esnault CD, Baucom ZH, Tripodis Y, Huber BR, Alvarez VE, Stein TD, Dickson DW, **McKee AC**. Tau isoforms are differentially expressed across the hippocampus in chronic traumatic encephalopathy and Alzheimer's disease *Acta Neuropathol Commun.* 2021 May 12;9(1):86. doi: 10.1186/s40478-021-01189-4. PMID: 33980303

183. Chancellor KB, Chancellor SE, Duke-Cohan JE, Huber BR, Stein TD, Alvarez VE, Okaty BW, Dymecki SM, **McKee AC**. Altered oligodendroglia and astroglia in chronic traumatic encephalopathy. *Acta Neuropathol*. 2021 May 21. doi: 10.1007/s00401-021-02322-2. Online ahead of print. PMID: 34019156
184. Greco FA, **McKee AC**, Kowall NW, Hanlon EB. Near-Infrared Optical Spectroscopy In Vivo Distinguishes Subjects with Alzheimer's Disease from Age-Matched Controls. *J Alzheimers Dis*. 2021;82(2):791-802.doi: 10.3233/JAD-201021. Online ahead of print. PMID: 34092628
185. Iida MA, Farrell K, Walker JM, Richardson TE, Marx GA, Bryce CH, Purohit D, Ayalon G, Beach TG, Bigio EH, Cortes EP, Gearing M, Haroutunian V, McMillan CT, Lee EB, Dickson DW, McKee AC, Stein TD, Trojanowski JQ, Woltjer RL, Kovacs GG, Kofler JK, Kaye J, White CL 3rd, Crary JF. Predictors of cognitive impairment in primary age-related tauopathy: an autopsy study. *Acta Neuropathol Commun*. 2021 Aug 5;9(1):134. doi: 10.1186/s40478-021-01233-3. PMID: 34353357
186. Alosco ML, Mariani ML, Adler CH, Balcer LJ, Bernick C, Au R, Banks SJ, Barr WB, Bouix S, Cantu RC, Coleman MJ, Dodick DW, Farrer LA, Geda YE, Katz DI, Koerte IK, Kowall NW, Lin AP, Marcus DS, Marek KL, McClean MD, **McKee AC**, Mez J, Palmisano JN, Peskind ER, Tripodis Y, Turner RW 2nd, Wethe JV, Cummings JL, Reiman EM, Shenton ME, Stern RA; DIAGNOSE CTE Research Project Investigators. Developing methods to detect and diagnose chronic traumatic encephalopathy during life: rationale, design, and methodology for the DIAGNOSE CTE Research Project. *Alzheimers Res Ther*. 2021 Aug 12;13(1):136. doi: 10.1186/s13195-021-00872-x. PMID: 34384490
187. Mez J, Alosco ML, Nowinski CJ, **McKee AC**, Tripodis Y. Reader Response: Association of Position Played and Career Duration and Chronic Traumatic Encephalopathy at Autopsy in Elite Football and Hockey Players. *Neurology*. 2021 Aug 10;97(6):297-298. doi: 10.1212/WNL.0000000000012381. PMID: 34373356
188. Alosco ML, Mariani ML, Adler CH, Balcer LJ, Bernick C, Au R, Banks SJ, Barr WB, Bouix S, Cantu RC, Coleman MJ, Dodick DW, Farrer LA, Geda YE, Katz DI, Koerte IK, Kowall NW, Lin AP, Marcus DS, Marek KL, McClean MD, **McKee AC**, Mez J, Palmisano JN, Peskind ER, Tripodis Y, Turner RW 2nd, Wethe JV, Cummings JL, Reiman EM, Shenton ME, Stern RA; DIAGNOSE CTE Research Project Investigators. Developing methods to detect and diagnose chronic traumatic encephalopathy during life: rationale, design, and methodology for the DIAGNOSE CTE Research Project. *Alzheimers Res Ther*. 2021 Aug 12;13(1):136. doi: 10.1186/s13195-021-00872-x. PMID: 34384490
189. Cherry JD, Agus F, Dixon E, Huber B, Alvarez VE, Mez J, **McKee AC**, Labadorf A, Stein TD. Differential gene expression in the cortical sulcus compared to the gyral crest within the early stages of chronic traumatic encephalopathy. *Free Neuropathol*. 2021;2:3453. doi: 10.17879/freeneuropathology-2021-3453. Epub 2021 Aug 17. PMID: 34485990
190. Cherry JD, Kim SH, Stein TD, Pothast MJ, Nicks R, Meng G, Huber BR, Mez J, Alosco ML, Tripodis Y, Farrell K, Alvarez VE, **McKee AC**, Crary JF. Evolution of neuronal and glial tau isoforms in chronic traumatic encephalopathy. *Brain Pathol*. 2020 Sep;30(5):913-925. doi: 10.1111/bpa.12867. Epub 2020 Jul 2. PMID: 32500646

191. Kaufman SK, Svirsky S, Cherry JD, **McKee AC**, Diamond MI. Tau seeding in chronic traumatic encephalopathy parallels disease severity. *Acta Neuropathol.* 2021 Oct 9. doi: 10.1007/s00401-021-02373-5. Online ahead of print. PMID: 34626223

192. Spencer KR, Foster ZW, Rauf NA, Guilderson L, Collins D, Averill JG, Walker SE, Robey I, Cherry JD, Alvarez VE, Huber BR, **McKee AC**, Kowall NW, Brady CB, Stein TD. Neuropathological profile of long-duration amyotrophic lateral sclerosis in military Veterans. *Brain Pathol.* 2020 Nov;30(6):1028-1040. doi: 10.1111/bpa.12876. Epub 2020 Aug 4. PMID: 32633852

CASE REPORTS, REVIEWS, CHAPTERS AND EDITORIALS LETTERS TO THE EDITOR AND CRITICAL REVIEWS

1. Kosik KS, Kowall NW, **McKee AC**: Along the way to a neurofibrillary tangle: a look at the structure of tau. *Annals of Medicine*, 1989; 21: 109-12
2. **McKee AC**: Osmotic shifts, metabolic compromise and the vulnerability of the pons. *Western J Med*, 1992; 157: 588-90
3. Gavett, B, Stern R, Cantu R, Nowinski C, **McKee A**. Mild traumatic brain injury: A risk factor for neurodegeneration, *Alzheimer's Research and Therapy*, 2010, Jun 25; 2(3): 18
4. Gavett B, Stern R. **McKee A**. Chronic Traumatic Encephalopathy: A Potential Late Effect of Sport-Related Concussive and Subconcussive Head Trauma. *Clinics in Sports Medicine*, 2011 Jan; 30(1): 179-88, xi
5. Daneshvar D, Nowinski C, **McKee A**, Stern R, Cantu R. Helmets and Mouth guards: The Role of Personal Equipment in Preventing Sports Related Concussions. *Clinics in Sports Medicine*, 2011 Jan; 30(1): 145-63, x
6. Daneshvar D, Nowinski C, **McKee A**, Cantu R. The Epidemiology of Sports-Related Concussion. *Clinics in Sports Medicine, Clin Sports Med.* 2011 Jan; 30(1): 1-17, vii
7. Clinical appraisal of chronic traumatic encephalopathy: current perspectives and future directions. Gavett BE, Cantu RC, Shenton M, Lin AP, Nowinski CJ, **McKee AC**, Stern RA. *Curr Opin Neurol.* 2011 Dec;24(6):525-31
8. Stern RA, Riley DO, Daneshvar DH, Nowinski CJ, Cantu RC, **McKee AC**. Long-term consequences of repetitive brain trauma: chronic traumatic encephalopathy. Review. *PMR.* 2011 Oct;3(10 Suppl 2):S460-7

9. Nelson PT, Alafuzoff I, Bigio EH, Bouras C, Braak H, Cairns NJ, Castellani RJ, Crain BJ, Davies P, Del Tredici K, Duyckaerts C, Frosch MP, Haroutunian V, Hof PR, Hulette CM, Hyman BT, Iwatsubo T, Jellinger KA, Jicha GA, Kövari E, Kukull WA, Leverenz JB, Love S, Mackenzie IR, Mann DM, Masliah E, **McKee AC**, Montine TJ, Morris JC, Schneider JA, Sonnen JA, Thal DR, Trojanowski JQ, Troncoso JC, Wisniewski T, Woltjer RL, Beach TG. J Neuropathol Exp Neurol. 2012 May;71(5):362-81. Correlation of Alzheimer disease neuropathologic changes with cognitive status: a review of the literature. Review. PMID: 22487856
10. Baugh CM, Stamm JM, Riley DO, Gavett BE, Shenton ME, Lin A, Nowinski CJ, Cantu RC, **McKee AC**, Stern RA. Chronic traumatic encephalopathy: neurodegeneration following repetitive concussive and subconcussive brain trauma. Brain Imaging Behav. 2012 Jun;6(2):244-54
11. Mez J, Stern RA, **McKee AC**. Chronic traumatic encephalopathy: where are we and where are we going? Curr Neurol Neurosci Rep. 2013 Dec;13(12):407. doi: 10.1007/s11910-013-0407-7
12. Stein TD, Alvarez VE, **McKee AC**. Chronic traumatic encephalopathy: a spectrum of neuropathological changes following repetitive brain trauma in athletes and military personnel. Alzheimers Res Ther. 2014 Jan 15;6(1):4. PMID: 24423082
13. Baugh CM, Robbins CA, Stern RA, **McKee AC**. Current understanding of chronic traumatic encephalopathy. Curr Treat Options Neurol. 2014 Sep;16(9):306. doi: 10.1007/s11940-014-0306-5
14. **McKee AC**, Daneshvar DH, Alvarez VE, Stein TD. The neuropathology of sport. Acta Neuropathol. 2014 Jan;127(1):29-51. doi: 10.1007/s00401-013-1230-6. Epub 2013 Dec 24. PMID: 24366527
15. **McKee AC**, Robinson ME. Military-related traumatic brain injury and neurodegeneration. Alzheimers Dement. 2014 Jun;10(3 Suppl):S242-53. doi: 10.1016/j.jalz.2014.04.003
16. Goldstein LE, **McKee AC**, Stanton PK. Considerations for animal models of blast-related traumatic brain injury and chronic traumatic encephalopathy. Alzheimers Res Ther. 2014 Sep 5;6(5):64. doi: 10.1186/s13195-014-0064-3. PMID: 25478023
17. Kiernan PT, Montenegro PH, Solomon TM, **McKee AC**. Chronic traumatic encephalopathy: a neurodegenerative consequence of repetitive traumatic brain injury. Semin Neurol. 2015 Feb;35(1):20-8. doi: 10.1055/s-0035-1545080. PMID: 25714864
18. **McKee AC**, Stein TD, Alvarez VE. The Neuropathology of Chronic Traumatic Encephalopathy. Brain Pathology 2015 May; 25(3): 350-64. doi: 10.1111/bpa.12248
19. Daneshvar DH, Goldstein LE, Kiernan PT, Stein TD, **McKee AC**. Post-traumatic neurodegeneration and chronic traumatic encephalopathy. Mol Cell Neurosci. 2015 Mar 7. pii: S1044-7431 (15) 00036-6. doi: 10.1016/j.mcn.2015.03.007 PMID: 25758552
20. Stein TD, Alvarez VE, **McKee AC**. Concussion in Chronic Traumatic Encephalopathy. Curr Pain Headache Rep. 2015 Oct; 19(10): 522. doi: 10.1007/s11916-015-0522-z
21. Huber BR, Alosco ML, Stein TD, **McKee AC**. Potential Long-Term Consequences of Concussive and Subconcussive Injury. Phys Med Rehabil Clin N Am. 2016 May; 27(2): 503-11. doi: 10.1016/j.pmr.2015.12.007. Epub 2016 Feb 2. Review PMID: 27154859

22. Blennow K, Brody D, Kochanek P, Levin H, **McKee A**, Ribbers G, Yaffe K, Zetterberg H. Mild traumatic brain injury, post-concussive syndrome and chronic traumatic encephalopathy. *Nat Rev Dis Primers*. 2016 Nov 17; 2:16084
23. **McKee AC**, Alosco ML, Huber BR. Repetitive Head Impacts and Chronic Traumatic Encephalopathy. *Neurosurg Clin N Am*. 2016 Oct; 27(4): 529-35. doi: 10.1016/j.nec.2016.05.009
24. Kriegel J, Papadopoulos Z, McKee AC. Chronic Traumatic Encephalopathy: Is Latency in Symptom Onset Explained by Tau Propagation? *Cold Spring Harb Perspect Med*. 2017 Jan 17. pii: a024059. doi: 10.1101/cshperspect.a024059
25. Friedman MJ, Huber BR, Brady CB, Ursano RJ, Benedek DM, Kowall NW, **McKee AC**; Traumatic Stress Brain Research Group. VA's National PTSD Brain Bank: a National Resource for Research. *Curr Psychiatry Rep*. 2017 Aug 25;19(10):73. doi: 10.1007/s11920-017-0822-6. Review
26. Goldstein LE, **McKee AC**. Shining (Laser) Light on Traumatic Brain Injury Blood Biomarkers. *JAMA Neurol*. 2017 Jul 24. doi: 10.1001/jamaneurol.2017.0800. PMID: 28738117
27. Mahar I, Alosco ML, **McKee AC**. Psychiatric phenotypes in chronic traumatic encephalopathy. *Neurosci Biobehav Rev*. 2017 Sep 6. pii: S0149-7634 (16) 30712-6. doi: 10.1016/j.neubiorev.2017.08.023
28. Snyder HM, Carare RO, DeKosky ST, de Leon MJ, Dykxhoorn D, Gan L, Gardner R, Hinds SR 2nd, Jaffee M, Lamb BT, Landau S, Manley G, **McKee A**, Perl D, Schneider JA, Weiner M, Wellington C, Yaffe K, Bain L, Pacifico AM, Carrillo MC. Military-related risk factors for dementia. *Alzheimers Dement*. 2018 Dec;14(12):1651-1662. doi: 10.1016/j.jalz.2018.08.011. Epub 2018 Nov 8. Review
29. Adams J, Abdolmohammadi B, **McKee A**. The Neuropathology of Chronic Traumatic Encephalopathy. *Handb Clin Neurol*. 2018;158:297-307
30. **McKee A**, Abdolmohammadi B, Stein T. The Neuropathology of Chronic Traumatic Encephalopathy, *Neuropathology for Sports Neurology Book*, 2018, in press
31. McKee AC, Alosco ML. Assessing Subconcussive Head Impacts in Athletes Playing Contact Sports-The Eyes Have It. *JAMA Ophthalmol*. 2018 Dec 20
32. **McKee AC**. The Neuropathology of Chronic Traumatic Encephalopathy: The Status of the Literature. *Semin Neurol*. 2020 Aug;40(4):359-369. doi: 10.1055/s-0040-1713632. Epub 2020 Jul 26. PMID: 32712946
33. **McKee AC**, Stein TD, Crary JF, Bieniek KF, Cantu RC, Kovacs GG. Practical Considerations in the Diagnosis of Mild Chronic Traumatic Encephalopathy and Distinction from Age-Related Tau Astroglipathy. *J Neuropathol Exp Neurol*. 2020 Aug 1;79(8):921-924. doi: 10.1093/jnen/nlaa047. PMID: 32688381
34. Mez J, Stern RA, **McKee AC**. Chronic Traumatic Encephalopathy. *Semin Neurol*. 2020 Aug;40(4):351-352. doi: 10.1055/s-0040-1715824. Epub 2020 Sep 9. PMID: 32906179

Textbook Chapters:

1. **McKee AC**: Neoplasms of the Central Nervous System. In: Skarin A, ed. *Atlas of Diagnostic Oncology, 1st, 2nd, and 3rd editions* New York, New York, Gower Medical Publishing, 1990, 1996, 2009

2. Kowall NW, **McKee AC**: The histopathology of degeneration and plasticity in Alzheimer's disease. In: Seil F, ed. *Neural Injury and Regeneration*. Advances in Neurology Series, 1993; 59: 5-33.
3. **McKee Ann C**. The Neuropathology of Dementia. In: Budson, A ed. Alzheimer's disease and other dementias, Behavioral Neuroscience Series, 2011
4. **McKee AC**, Daneshvar DH. The neuropathology of traumatic brain injury. *Handb Clin Neurol*. 2015; 127:45-66. doi: 10.1016/B978-0-444-52892-6.00004-0. PMID: 25702209

Case Reports:

1. Shillito J, **McKee AC**: Case Records of the New England Journal of Medicine, New England Journal of Medicine, 318: 1116, 1988
2. Koroschetz W, **McKee AC**: Case Records of the New England Journal of Medicine, New England Journal of Medicine, 319: 849, 1988
3. Caplan L, **McKee AC**: Case Records of the New England Journal of Medicine, New England Journal of Medicine, 324: 322, 1991
4. Woods W, **McKee AC**: Case Records of the New England Journal of Medicine, New England Journal of Medicine, 326: 397, 1991
5. Specht L, **McKee AC**: Case Records of the New England Journal of Medicine, New England Journal of Medicine, 327: 548, 1992
6. Ropper A, **McKee AC**: Case Records of the New England Journal of Medicine, New England Journal of Medicine, 328: 1550, 1993
7. Feldman R, **McKee AC**: Case Records of the New England Journal of Medicine, New England Journal of Medicine, 329: 1560, 1993

MEDIA PRESENTATIONS

NEW YORK TIMES

- Schwarz A. 12 Athletes Leaving Brains to Concussion Study. September 23, 2008. [\[link\]](#)
- Schwarz A. New Sign of Brain Damage in N.F.L. [New York Times Web site]. January 28, 2009 [\[link\]](#)
- Schwarz A. "Concussion Trauma Risk Seen in Amateur Athlete" New York Times, 10/21/09 [\[link\]](#)
- Schwarz A. "In N.F.L. Fight, Women Lead the Way" New York Times, 4/10/10 [\[link\]](#)
- Video: "Redirecting the Discussion of Brain Trauma",
http://www.nytimes.com/slideshow/2010/04/10/sports/20100410SPTSWOMEN_index.html?ref=football
- Schwarz A. "Study Says Brain Trauma Can Mimic A.L.S." New York Times, 8/17/10 [\[link\]](#)
- Schwarz, Alan. "Duerson's Brain Trauma Diagnosed." *New York Times* 2 May 2011 [\[link\]](#)
- Branch, John. "Derek Boogaard: A Brain 'Going Bad.'" *New York Times* 5 December 2011 [\[link\]](#)
- Crouse, Karen. "Bettman: Fans 'Like the Level of Physicality.'" *New York Times* 6 December 2011 [\[link\]](#)
- Dao, James. "Brain Ailments in Veterans Likened to those in Athletes." *New York Times* 16 May 2012 [\[link\]](#)
- Belson, Ken. "Study Bolsters Link Between Routine Hits and Brain Disease." *New York Times* 3

December 2012 [\[link\]](#)

Nocera, Joe. "Should Kids Play Football?" *New York Times* 14 December 2012 [\[link\]](#)

Rohan, Tim. "A Football Widow's Traumatic Journey." *New York Times* 8 April 2013 [\[link\]](#)

Borden, Sam. "Brain Trauma Extends Reach into Soccer." *New York Times* 23 September 2014 [\[link\]](#)

Branch, John. "Brain Trauma Extends to the Soccer Field." *New York Times* 26 February 2014 [\[link\]](#)

THE NEW YORKER

Malcolm Gladwell: "Offensive Play: How different are dogfighting and football?" October 19, 2009 [\[Audio slide show\]](#)

BOSTON GLOBE

Hohler B. Major breakthrough in concussion crisis [Boston Globe website]. January 27, 2009 [\[link\]](#)

Hohler B. Warning signs on youth football head trauma [Boston Globe website]. January 28, 2009 [\[link\]](#)

Lazar K. Parents, Doctors Prod NFL on Brain Injuries. February 2, 2010 [\[link\]](#)

Pierce C. Bostonians of the Year - The Brainiac: Ann McKee. January 1, 2011 [\[link\]](#)

Perry, Phil. "North's Hunt is back on guard." *Boston Globe* 13 February 2011 [\[link\]](#)

Powers, John. "A head-scratcher for the NHL." *Boston Globe* 24 February 2011 [\[link\]](#)

Conaboy, Chelsea. "Ex-NFL safety had brain damage." *Boston Globe* 3 May 2011 [\[link\]](#)

Emery, Theo. "Wars' toll speeds push for better helmets." *Boston Globe* 15 August 2011 [\[link\]](#)

Jackson, Derrick Z. "The Black Hole of Sports." *The Boston Globe* 10 January 2012 [\[link\]](#)

Lazar, Kay. "Scientists find brain damage in vets similar to trauma disorder seen in football players." *Boston Globe* 16 May 2012 [\[link\]](#)

Kotz, Deborah. "Boston researchers find new evidence linking repeat concussions to permanent brain injury." *Boston Globe* 2 December 2012 [\[link\]](#)

Cook, Alice. "Death Spirals—not just for skaters." *Boston Globe* 6 December 2012 [\[link\]](#)

Jackson, Derrick. "Ban Heading in Youth Soccer." *Boston Globe* 18 May 2014 [\[link\]](#)

AMERICAN ACADEMY OF NEUROLOGY

Henson J. Football And Progressive Brain Damage: Tom McHale Of NFL Suffered From Chronic Traumatic Encephalopathy When He Died In 2008. January 27, 2009 [\[link\]](#)

Smith G. Does Head Trauma Cause ALS? Are Professional Athletes at Greater Risk? September 7, 2010 [\[link\]](#)

NEUROLOGY TODAY

Talan J. New Report Links Sports Concussion to Chronic Traumatic Encephalopathy: Athletes Pledge to Donate Tissue for Brain Bank. *Neurology Today*. 8(19): 12-13, October 2, 2008

Talan, J. Does Concussion Cause Motor Neuron Disease? The Question Stirs Debate. *Neurology Today*. 10 (18): 1, 16-17, September 16, 2010

SCIENCE

Holden C. The Battered Brain. October 9, 2008

Greg Miller: A Late Hit for Pro Football Players. *Science* 7 August 2009 325: 670-672

PSYCHOLOGY TODAY

October 27, 2009: "Pushing Competition and Damaging Health: Making Play Offensive Football causes brain damage, yet we continue to push it"

SCIENTIFIC AMERICAN

February 24, 2011: " Brain Damage on the Playing Field"

PHILLY NEWS

Kramm, M. A rich and varied portfolio at the brain bank. May 28, 2009 [\[link\]](#)

Kramm, M. Deadly aftershocks. Repetitive head trauma might be cause of brain disease in NFL players May 28, 2009

NPR

Hamilton J. Sports Injuries May Cause Lasting Brain Damage NPR All Things Considered, January 30, 2009: "" featuring Dr. McKee (print and audio). [\[link\]](#)

Ashbrook T. Hard Hits and the NFL (On Point Radio with Tom Ashbrook). October 25, 2010 [\[link\]](#)

Thompson, Helen. "Evidence Mounts Linking Head Hits to Permanent Brain Injury." *NPR* December 2012 [\[link\]](#)

REACH MD

ReachMD, 1/5/09, 7/06/2009: "Chronic Traumatic Encephalopathy in Elite Athletes" featuring Dr. McKee (audio)

TSN

TSN Sports Network Canada, 1/25/09: "Sports Legacy Institute CSTE on TSN" featuring Chris Nowinski, Dr. McKee, and athlete advisors Ted Johnson and Pat LaFontaine (YouTube video)

CNN

CNN.com, 1/27/09: "Dead athletes' brains show damage from concussions" featuring Dr. McKee (print and video)

CNN.com American Morning, 1/29/09: "Young athletes and concussions" featuring Dr. McKee (video)

Smith S. Did Concussions play a role in Lou Gehrig's disease? August 17, 2010 [\[link\]](#)

Big hits, broken dreams" featuring Dr. McKee (print and video)

Smith, Stephanie. "What will happen to former NFL player's brain?" *CNN.com* 26 Feb 2011 [\[link\]](#)

Smith, Stephanie. "Duerson brain tissue analyzed: suicide linked to brain disease" *CNN.com* 3 May 2011 [\[link\]](#)

McLaughlin, Elliott. "Film aims to show football's culture of playing despite concussions" *CNN.com* 1 July 2011 [\[link\]](#)

Smith, Stephanie. "Does Brain Injury link NFL players, wounded warriors?" *CNN.com* 29 October 2012 [\[link\]](#)

ASSOCIATED PRESS

Frommer, Frederic J. "Senators challenge sports equipment safety claims" *Associated Press* 19 October 2011 [\[link\]](#)

Ulman, Howard. "Study: Duerson had brain damage at time of suicide" *Associated Press* 2 May 2011 [\[link\]](#)

Golen, Jimmy. "Brain study finds damage in ex-Sabre Rick Martin" *Associated Press* 5 October 2011 [\[link\]](#)

Armour, Nancy. "'Hoop Dreams' director takes on concussion issue" *Associated Press* 20 September 2012 [\[link\]](#)

Karnowski, Steve. "Minnesota Lawmakers Want Lou Gehrig's Medical Records" *Associate Press* 4 October 2012

FOX NEWS

“Study links vets to brain disease seen in athletes” *FoxNews.com* 17 May 2012 [\[link\]](#)

DAN RATHER REPORTS

Dan Rather Reports: Knocking Heads March 3, 2009 Available on itunes

SIRIUS RADIO

The Takeaway 10/31/09. Congress Looks Into NFL Head Trauma When helmets aren't enough

WCVB-TV

WCVB-TV, 3/18/09: "Take An Exclusive Look Inside The Brain Bank" The segment features the BU ADC Brain Bank at the Bedford VA and commentary by Dr. **Ann McKee**, Director of the BU ADC Neuropathology Core

WBUR

Oakes, Bob and Lisa Tobin. “BU Researchers Connect Former NFL Player’s Suicide to Brain Disease.” *90.9 wbur* 4 May 2011 [\[link\]](#)

60 MINUTES

Simon B. “A Blow to the Brain”, October 11, 2009 CBS 60 Minutes, 10/11/09

LEHRER NEWS HOUR

Football Careers Affect on the Brain. October 29, 2009

http://www.pbs.org/newshour/extra/video/blog/2009/10/football_careers_affect_on_the-print.html

TIME MAGAZINE

TIME Magazine, 1/28/10: “The Problem With Football” (cover story).

<http://www.time.com/time/nation/article/0,8599,1957046,00.html>

"This is your brain on football." [\[link\]](#)

Gregory, Sean. “The Problem with Football: How to Make it Safer.” *Time* 28 January 2010 [\[link\]](#)

Gregory, Sean. “The Death of Dave Duerson: More Evidence of Concussive Dangers in Football.” *Time* 2 May 2011

Park, Alice. “Study Details how brain injury from concussions progresses.” *Time* 4 December 2012 [\[link\]](#)

HBO SPORTS

HBO Real Sports with Bryant Gumbel, 1/19/10 [\[link\]](#)

Gumbel, Bryant. “Violent Connection.” *HBO Real Sports* 21 October 2014 [\[link\]](#)

SPORTS ILLUSTRATED

King P. "The Hits that are Changing the Game". *Sports Illustrated*, 113(16). November 1, 2010 (cover story). [\[link\]](#)

NBC NIGHTLY NEWS

“Multiple Concussions linked to long-term brain damage.” *NBC News* 3 December 2012 [\[video\]](#)

ON WISCONSIN

Allen J. Head-On Collision. *On Wisconsin*, Winter 2010 edition (cover story) [\[link\]](#)

PBS

Brown, Jeffrey. “New Study Links Athletes’ Repetitive Head Injuries to Degenerative Brain Disease.” *PBS* 3 December 2012 [\[video\]](#)

BOSTONIA

Daniloff C. Game Changers: How dramatic brain discoveries are influencing America's most popular sport (cover story) [[Print and video](#)]

BOSTON MAGAZINE

Schwartz J. Headed for Trouble [[link](#)]

APPLETON POST-CRESCENT

Thompson A. Concussions, head injuries can cause permanent damage. November 28, 2010 [[link](#)]

ANN ARBOR OBSERVER

Schlain J. Hurt Locker: Is Football Damaging Players' Brains? *Ann Arbor Observer*, 34(10): pages 21-27. June 2010

MINNESOTA HEALTH CARE NEWS

Starnes, M. Football, Concussion, and Dementia Interview. *Minnesota Health Care News*, 8(11): pages 12-13. November 2010

CHICAGO SUN TIMES

Telander R. What football did for us and what football did to us (cover story - 3 parts). *Chicago Sun Times*, 86(69): pages 1, 22-24. June 25-27, 2010

Cronin, Tim. "Doctor: Football Must Change Rules to Protect Players." *Chicago Sun Times* 12 May 2013 [[link](#)]

Telander, Rick. "Studying CTE as a bomb component." *Chicago Sun-Times* 18 May 2013 [[link](#)]

PITTSBURGH POST-GAZETTE

Roth, Mark. "Long-term brain damage at heart of huge NFL lawsuit." *Pittsburgh Post-Gazette* 14 May 2013 [[link](#)]

SEATTLE TIMES

Doughton, Sandi. "Eyes may provide new insight into brain problems." *The Seattle Times* 5 May 2013 [[link](#)]

BLEACHER REPORT

Siebert, Davie. "The Impact of Advancing Modern Medicine on the NFL." *Bleacher Report* 16 May 2013 [[link](#)]

LOS ANGELES TIMES

Vaughn, Alexa. "Experts skeptical of 'anti-concussion' sports equipment." *Los Angeles Times* 19 October 2011 [[link](#)]

SOLUTIONS

Carman, Diane. "NFL retirees submit to tests to identify fatal brain disease." *Solutions* 01 May 2013 [[link](#)]

THE EAGLE

Crompton, John. "Are football players fully informed of the dangers?" *The Eagle* 1 May 2013. [[link](#)]

ABC TV AUSTRALIA:

Catalyst: School of Hard Knocks. April 15, 2010. [[link](#)]

Grimm, Nick. "Study finds evidence of degenerative brain disease in nearly all former football players examined." *ABC News AU* 10 October 2014 [[link](#)]

BLOOMBERG NEWS

“Researcher Discusses Chronic Brain Injury Studies,” featuring Dr. Ann McKee of the CSTE
<http://www.bloomberg.com/video/>

FRONTLINE

Fainaru, Steve and Mark Fainaru-Wada. “In Brawl For Seau Brain, a Proxy War Over Concussion Science.” *Frontline* 29 April 2013 [[link](#)]

Breslow, Jason. “76 of 79 Deceased NFL Players Found to Have Brain Disease.” *Frontline* 30 September 2014 [[link](#)]

Wiser, Mike. “League of Denial.” *Frontline* 8 October 2014 [[link](#)]

ESPN

Sports Center. “The Woman Who Would Save Football.” *ESPN* 17 August 2012 [[video](#)]

THE GUARDIAN

Pilkington, Ed. “Brain Injuries of an NFL footballer.” *The Guardian* 19 July 2011 [[video](#)]

GRANTLAND

Leavy, Jane. “The Woman Who Would Save Football.” *Grantland* 17 August 2012. [[link](#)]

CANADIAN BROADCASTING CORPORATION

Mansbridge, Peter. “Hits and Head Injuries: Inside the Brain Lab.” *Canadian Broadcasting Corporation* 6 October 2011 [[video](#)]

BRAINLINE.ORG

Cumulative Concussions and Chronic Traumatic Encephalopathy - a series of video interviews.
[[link](#)]

AL JAZEERA AMERICA

Bella, Timothy. “Before and after Ryan Freel: How MLB stepped up to concussions” *Al Jazeera America* 2 October 2014 [[link](#)]

THE WASHINGTON TIMES

Klimas, Jacqueline. “Brain injury similarities in troops, football players spur collaboration, research.” *The Washington Times* 13 October 2014 [[link](#)]

YAHOO NEWS

Fitzsimons, Peter. “The Reality of Concussion in Sport.” *Yahoo News Australia* 9 March 2014
[[link](#)]

CLEVELAND.COM

Kuzydym, Stephanie. “Ann McKee: The woman who fell in love with brains and changed football as we know it.” *Cleveland.com* 31 August 2014 [[link](#)]

NY DAILY NEWS

O’Keeffe, Michael. “Boston University study finds possible link between traumatic brain injuries and domestic violence.” *NY Daily News* 18 October 2014 [[link](#)]

BOSTON UNIVERSITY PRESS

“Rhett Talks” *Boston University* 30 September 2014 [[link](#)]

Seligson, Susan. “MED Researchers to Share \$6 Million NIH Grant for CTE.” *BU Today* 22 January 2014 [[link](#)]

PUBLIC SERVICE ANNOUNCEMENTS

HEADSTRONG PLAYER

Concussion Safety Media for Kids. Available at: <http://www.headstrongplayer.org/>

MUSEUM TALKS

SCIENCE MUSEUM, MA

"Chronic Traumatic Encephalopathy" podcast, available at
http://www.mos.org/events_activities/podcasts&d=4753