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Accelerating Progress in Traumatic Brain Injury Research and Care

Day 3: March 30, 2021

WORKSHOP SPEAKER AND MODERATOR BIOGRAPHIES



Donald Berwick, M.D., MPP, FRCP (London) (NAM) (Committee Chair) is president emeritus and senior fellow at the Institute for Healthcare Improvement and former administrator of the Centers for Medicare & Medicaid Services. A pediatrician by background, Dr. Berwick has served on the faculty of the Harvard Medical School and Harvard School of Public Health, and on the staffs of Boston's Children's Hospital Medical Center, Massachusetts General Hospital, and the Brigham and Women's Hospital. He has also served as vice-chair of the U.S. Preventive Services Task Force, the first "independent member" of the American Hospital Association Board of Trustees, and chair of the National Advisory Council of the Agency for Healthcare Research and Quality. He served two terms on the Institute of Medicine's (IOM's) Governing Council, was a member of the IOM's Global Health Board and served on President Clinton's Advisory Commission on Consumer Protection and Quality in the Healthcare Industry. Recognized as a leading authority on health care quality and improvement, Dr. Berwick has received numerous awards for his contributions. In 2005, he was appointed "Honorary Knight Commander of the British Empire" by Her Majesty, Queen Elizabeth II, in recognition of his work with the British National Health Service. Dr. Berwick is the author or co-author of over 160 scientific articles and six books.

INTRODUCTION TO A LEARNING HEALTH SYSTEM



Kedar Mate, M.D. is the President and Chief Executive Officer at the Institute for Healthcare Improvement (IHI), President of the Lucian Leape Institute, and a member of the faculty at Weill Cornell Medical College. Dr. Mate's scholarly work has focused on health system design, health care quality, strategies for achieving large-scale change, and approaches to improving value. Previously Dr. Mate worked at Partners In Health, the World Health Organization, Brigham and Women's Hospital, and served as IHI's Chief Innovation and Education Officer. Dr. Mate has published numerous peer-reviewed articles, book chapters and white papers and has received multiple honors including serving as a Soros Fellow, Fulbright Specialist, Zetema Panelist, and an Aspen Institute Health Innovators Fellow. He graduated from Brown University with a degree in American History and from Harvard Medical School with a medical degree.

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SYSTEM CHALLENGES FOR TBI CARE



Lieutenant General (Retired) Eric B. Schoomaker, M.D., Ph.D. (Committee Member) was the 42nd U.S. Army Surgeon General/Commanding General of the U.S. Army Medical Command prior to his retirement in 2012. He then served as Professor/Vice-Chair for Leadership, Centers and Programs in the Department of Military & Emergency Medicine at the Uniformed Services University of the Health Sciences; he is currently an Emeritus Professor, having retired in 2019. He promotes Complementary and Integrative Health/Medicine in the shift from a disease management-focused healthcare system to the improvement of health & well-being; and leadership education. He has been committed to the health of

soldiers, families and veterans throughout the U.S. and the globe, focusing on soldier medical readiness, enhancing battlefield care, promoting comprehensive behavioral healthcare, preventing combat wounds, injury and illness and advancing comprehensive pain management. Dr. Schoomaker is an internal medicine physician with a Ph.D. in Human Genetics. He held many assignments including command of the Walter Reed Army Medical Center, the Eisenhower Army Medical Center, two Army regional medical commands, the Army's Medical Research & Materiel Command and Fort Detrick, MD, a community hospital, a deployable medical brigade and service as command surgeons for the Vth Corps and US Army Forces Command. Dr. Schoomaker is the recipient of numerous military awards, including those from France and Germany, the 2012 Dr. Nathan Davis Award from the American Medical Association for outstanding government service, an Honorary Doctor of Science from Wake Forest University, a Doctor of Letters in Medicine from the Baylor College of Medicine, and the Philipp M. Lippe Award from the American Academy of Pain Medicine for outstanding contributions to the social and political aspect of Pain Medicine. He currently works as a part-time Senior Physician Advisor to the Veterans Health Administration.



Thom Mayer, M.D. is Founder of BestPractices, Inc., the Medical Director for the NFL Players Association, a Medical Director for Studer Group, and Clinical Professor of Emergency Medicine at George Washington University and Senior Lecturing Fellow at Duke University. He is a widely-sought speaker on healthcare patient experience, leadership and management, hardwiring flow, trauma and emergency care, pediatric emergency care, EMS/disaster medicine, and sports medicine. In sports medicine, his work at the forefront of changing concussion diagnosis and management in the NFL has changed the way in which these athletes are diagnosed and treated.

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Katherine Lee serves as the Director of the U.S. Department of Defense Warfighter Brain Health program supporting the Deputy Assistant Secretary of Defense for Health Readiness Policy and Oversight. She brings considerable clinical, educational and research experience in the field of neuroscience and neurotrauma to include more than 200 regional, national and international presentations and more than 30 peer-reviewed publications. Ms. Lee has served in a variety of leadership, advisory and operational roles in the US Department of the Army and US Department of Defense for over 15 years; including the Assistant Chief of the Defense and Veterans Brain Injury Center (DVBIC), Deputy Director for the Defense Centers of Excellence for Psychological Health and Traumatic Brain Injury; Deputy Director for the Clinical and Educational Affairs Office for DVBIC and the manager of the Office of Clinical Standards at DVBIC. Prior to working in Washington DC, Ms. Lee worked in 2 academic/level I trauma centers as a nurse practitioner/clinical care coordinator at the University of Louisville Hospital; and clinical research coordinator in the Division of Neurosurgery at the Medical College of Virginia Hospitals/Virginia Commonwealth University. Ms. Lee holds both Bachelor's and Master's degrees in nursing from Virginia Commonwealth University, as well as a Bachelor of Science in family and child development from Virginia Tech University.



Joel Scholten, M.D. is the U.S. Department of Veterans Affairs National Director of Physical Medicine and Rehabilitation. He received his medical degree at the University of South Dakota and completed his residency in Physical Medicine and Rehabilitation at Eastern Virginia Graduate School of Medicine. He also serves as the Associate Chief of Staff for Rehabilitation Services at the Washington DC VA Medical Center. He serves on a number of national VA committees including the Post Deployment Interdisciplinary Clinical Initiative - Technical Advisory Team, the National Pain Committee, and the TBI Screening and Evaluation Committee. His research interests include traumatic brain injury, polytrauma, and pain.



Jandel Allen-Davis, M.D. is the President and CEO of Craig Hospital in Denver, Colorado, a world-renowned rehabilitation hospital that exclusively specializes in the neuro-rehabilitation and research of patients with spinal cord and traumatic brain injuries. Dr. Allen-Davis is board certified in obstetrics and gynecology and was in active practice for 25 years. A graduate of Dartmouth College and Dartmouth Medical School, Dr. Allen-Davis completed her residency at Thomas Jefferson University Hospital in Philadelphia. Following her training, she spent four years in the Indian Health Service in Tuba City, Arizona prior to moving to Colorado. Dr. Allen-Davis is an active participant in the community and currently serves on the boards of Dartmouth Geisel Medical School, Denver Botanic Gardens, the Denver Metro Chamber of Commerce, National Jewish Health, Colorado Thrives, the Colorado Hospital Association; and serves as a Commissioner on the Colorado State Economic Development Commission.

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USING THE SYSTEM OF TBI RESEARCH TO MEET KEY NEEDS



Sidney Hinds II, M.D. (Committee Member) is a recently retired United States Army colonel with over 30 years of military medicine experience. He serves as co-Principal Investigator and Lead for External Collaborations for the Long-term Impact of Military-relevant Brain Injury Consortium (LIMBIC-CENC) and is a consultant with SCS Consulting LLC. Dr. Hinds is a neurologist and nuclear medicine physician who most recently served as the DoD Brain Health Research Coordinator for the DoD Blast Injury Research Coordinating Office and as the medical advisor to the principal assistant for Research and Technology, Medical Research and Materiel Command, FT Detrick, MD. He was the Defense and

Veterans Brain Injury Center's (DVBIC) fifth national director from 1 July 2013 to 16 March 2016 and served to collaborate, advise, and promote military relevant neurological and psychological medical and non-medical research efforts within the DoD and with external partners. Prior to that, he served as deputy director of the Armed Forces Radiobiology Research Institute for Military Medical Operations; the in-theater neurologist in Afghanistan (Operation Enduring Freedom), and chief of Nuclear Medicine Services at Walter Reed National Military Medical Center.



Patrick Bellgowan, Ph.D. is currently the Deputy Associate Director in the Division of Neuroscience at the National Institute for Neurological Disorders and Stroke (NINDS). Prior to this he served for 6.5 years as Program Director for Traumatic Brain Injury research at NINDS. The NINDS TBI portfolio covers a broad spectrum of research from disease-related basic research to large clinical research programs. In addition to overseeing the TBI portfolio for NINDS, he also is programmatically involved in NIH's Brain Initiative, Human Connectome project, and the NIH Neuroscience Blueprint program. Dr. Bellgowan received his Ph.D. at the University of Wisconsin-Milwaukee in behavioral neuroscience studying the role of amygdala in fear conditioning. Dr. Bellgowan did his postdoctoral training focusing on

investigating human memory systems using functional neuroimaging at the Medical College of Wisconsin and later in the Intramural program at NIH. Before coming to the extramural program at NINDS he was the Director of Cognitive Neuroscience and Associate Professor at the Laureate Institute for Brain Research and University of Tulsa. Dr. Bellgowan used MR and immunological methods to study the acute effects of concussion in collegiate athletes.



Magali Haas, M.D., Ph.D. is Chair, CEO and President of Cohen Veterans Bioscience, a non-profit brain research organization based in New York City whose mission is to fast-track diagnostics and therapeutics to advance precision brain health. Magali has over 15 years of pharmaceutical executive experience, predominantly at Johnson & Johnson, where she assumed broad end-to-end development leadership roles in early & late stage neuroscience clinical development, translational medicine, diagnostics and integrative solutions. To pioneer new approaches for precision therapeutics for brain health, she founded

Orion Bionetworks in 2012, which was transformed to Cohen Veterans Bioscience in 2015, while also serving as founding Chief Science and Technology Officer for One Mind for Research. She serves on

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several advisory boards including Alto Neurosciences, Partnership for Assessment and Accreditation of Scientific Practice, VirtualBrainCloud, Krembil Centre for Neuroinformatics and IMEC for nanoelectronics. Magali earned her BS in bioengineering from the University of Pennsylvania, an MS in biomedical engineering from Rutgers University, and her MD and PhD in neuroscience with distinction from Albert Einstein College of Medicine.



Pimjai Sudsawad, Sc.D. is the knowledge translation program coordinator at the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR), Administration for Community Living, Department of Health and Human Services. Dr. Sudsawad is responsible for developing and managing NIDILRR's knowledge translation program and monitoring NIDILRR-funded knowledge translation grants and contracts. Prior to joining NIDRR, Dr. Sudsawad was an assistant professor at the University of Wisconsin-Madison



Commander Travis M. Polk, MD, FACS is director of the U.S. Army Medical Research and Materiel Command's Combat Casualty Care Research Program. CDR Polk served as the Medical Officer for USS FORT MCHENRY and completed several underway deployments with the Forward Deployed Naval Forces in the western Pacific. He served as a staff general surgeon at Naval Hospital Okinawa and deployed with the Commander- Joint Special Operation Task Force Forward Surgical Team in Tarin Kowt, Afghanistan. Following this overseas tour, he completed fellowship training in traumatology, surgical critical care and emergency surgery at the Hospital of the University of Pennsylvania in 2012. CDR Polk returned to Naval Medical Center Portsmouth and served as the Surgical Director of the Healthcare Simulation and Bioskills Training Center and Program Director for Wounded Warrior Care. During this time, CDR Polk also established a translational research experience for the general surgery residency program and a military-civilian trauma partnership with Eastern Virginia Medical School. In 2014 and 2019, CDR Polk deployed as Chief of Trauma at the NATO Role 3 Multinational Medical Unit in Kandahar, Afghanistan. From 2017-2020, he served as Director of the Navy Trauma Training Center at Los Angeles County + University of Southern California Medical Center where he trained US Navy surgical teams for deployment. CDR Polk is an Assistant Professor of Surgery at the Uniformed Services University and is board certified in general surgery with an added qualification in surgical critical care.

COMPARATIVE SYSTEMS OF CARE: LESSONS FROM OTHER DISEASE SYSTEMS



Martin Schreiber, M.D. (Committee Member) is professor of Surgery, chief, division of trauma, critical care, and acute care surgery, and director of the Donald D. Trunkey Center for Civilian and Combat Casualty Care at Oregon Health and Science University. He is also a colonel in the U.S. Army Reserve. Dr. Schreiber's training includes significant military instruction and practice, including direct clinical experience as a military surgeon in Afghanistan. He also serves as a subject matter expert on DoD committees including the Committee on Surgical Combat Casualty Care (since 2016); the Tactical Combat Casualty Care Subject Matter Expert Panel (since 2018); and as chairman of the Research Committee, Committee on Surgical Combat Casualty Care (since 2019). Dr. Schreiber is the head of the trauma research laboratory. He has been awarded the lifetime achievement

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award in trauma resuscitation science by the American Heart Association and the Asmund S. Laerdal Memorial Award for extensive involvement in resuscitation research and publishing from the Society of Critical Care Medicine. He received his M.D. from the School of Medicine at Case Western Reserve University in 1988.



Gregory W. Albers, M.D. is the director of the Stanford Stroke Center, a position he has held since co-founding the center in 1992. A world leader in stroke research and treatment, the Stanford Stroke Center has pioneered major advances in medical therapies and consistently ranks among the most prolific research groups in the United States. Dr. Albers' primary research focus is the diagnosis, management, and prevention of ischemic stroke, which results from obstruction in a blood vessel supplying blood to the brain and accounts for about 85 percent of all strokes. Dr. Albers and his team use advanced imaging technology to expand the treatment window for ischemic stroke, thereby improving patient health and quality of life outcomes. Dr. Albers conducts clinical studies of treatments for acute stroke, including both thrombolytic strategies

(which dissolve blood clots) and neuroprotective strategies (which seek to limit neuronal damage). He also investigates new antithrombotic strategies for stroke prevention. Despite medical advances, stroke continues to be the fourth-leading cause of death and most common cause of adult disability, with roughly 800,000 strokes occurring in the U.S. annually. That this number may increase substantially as the U.S. population ages only underscores the urgency and importance of Dr. Albers' work.



Bruce L. Miller, MD, (NAM) holds the A.W. and Mary Margaret Clausen Distinguished Professorship in Neurology at the University of California, San Francisco, directs the UCSF Memory and Aging Center and is a director of the Global Brain Health Institute. In addition, he helps lead the Tau Consortium and The Bluefield Foundation, precision medicine collaborations focused on developing treatments for tauopathies and progranulin-mediated forms of frontotemporal dementia. Dr. Miller is a behavioral neurologist who studies the underlying mechanisms of neurocognitive disorders and is an expert in the diagnosis and management of dementia. Dr. Miller has received awards

including the Potamkin Award from the American Academy of Neurology, the Elliot Royer Award from the San Francisco Neurological community, the Robert A. Fishman Award and Lecture, and the UCSF Lifetime Achievement in Mentoring Award. He is an elected member of the National Academy of Medicine.