

PROMOTION RECOMMENDATION  
UNIVERSITY OF MICHIGAN  
MEDICAL SCHOOL  
DEPARTMENT OF EMERGENCY MEDICINE

Robert Silbergleit, M.D., associate professor of emergency medicine, with tenure, Department of Emergency Medicine, Medical School, is recommended for promotion to professor of emergency medicine, with tenure, Department of Emergency Medicine, Medical School.

Academic Degrees:

M.D.	1992	University of Michigan
S.B.	1988	Massachusetts Institute of Technology

Professional Record:

2006-present	Associate Professor of Emergency Medicine, University of Michigan
1998-2006	Assistant Professor of Emergency Medicine, University of Michigan
1997-1998	Lecturer, Department of Emergency Medicine, University of Michigan
1995-1997	Clinical Instructor, Department of Emergency Medicine, College of Pennsylvania

Summary of Evaluation:

Teaching: Dr. Silbergleit devotes significant time toward teaching and educational activities. He maintains an active teaching role in the Medical School, university and nationally. His educational focus is on teaching the pieces of critical thinking. He has for many years coordinated the departmental journal club for residents, and a national teleconferenced neurologic emergencies journal club for peer research collaborators and others. He has written multiple book chapters, and has co-chaired curriculum development on the treatment of status epilepticus for the new Emergency Neurological Life Support Educational Program. As co-investigator in the Clinical Coordinating Center for the Neurological Emergencies Treatment Trials (NETT) Network, he is the director of a monthly continuing medical education program for peer investigators, study coordinators, and other clinical research staff for both external and internal colleagues. He supervises residents and medical students during his clinical shifts (four-six clinical shifts/month). As a faculty member in the Center for Bioethics and Social Sciences in Medicine, he participates in a newly organized extracurricular session to enhance the exposure of M1 and M2 students to issues in clinical ethics, as well as added small group ethics discussions integrated into M3 and M4 clerkships.

Research: Dr. Silbergleit's research has focused on clinical trials of neurologic emergencies. He has been a leading co-investigator on multiple clinical trials including the Neurological Emergencies Treatment Trial (NETT) Network. NETT is a highly productive NIH funded

clinical trials infrastructure designed to perform multiple simultaneous trials in the emergency environment. He was the principal investigator of RAMPART, a clinical trial of intramuscular versus intravenous therapy for prehospital status epilepticus. He has also been involved in the leadership or coordination of all four other ongoing NETT trials. He currently is co-investigator for two active grants: Neurological Emergencies Treatment Trials – Coordinate Centers (NIH), \$10,977,678 and Accelerating Drug/Device Evaluation through Innovative Clinical Trial Design–Adaptive Design Trail (NIH), \$1,955,377. Dr. Silbergleit is currently a reviewer for the following journals: *Academic Emergency Medicine*, *Annals of Emergency Medicine*, *Brain Research*, *Stroke*, *Journal of Clinical Anesthesia*, *BMC Medical Ethics* and *BMC Trials*. He continues to write and update textbook chapters for both professional and lay audiences. In the Rosen's Emergency Medicine textbook, he continues to write chapters on brain resuscitation. In the professional WebMD online textbook eMedicine, he maintains updated articles on fractures of the foot. In the last six years, he has coauthored chapters on neurologic emergencies clinical trial methodology, evidence-based acute stroke care in the emergency department, evidence-based acute stroke care in the emergency departments, and experimental use of hyperbaric oxygen in animal models of intracranial hemorrhage.

#### Recent and Significant Publications:

Scott PA, Frederiksen SM, Kalbfleisch JD, Xu Z, Cavaney AF, Meurer WJ, Sandretta A, Holden AB, Haan MN, Hoeffner EG, Ansari SA, Lambert DP, Jaggi M, Barsan WG, Silbergleit R: Safety of intravenous thrombolytic use in four emergency departments without acute stroke teams. *Acad Emerg Med* 17:1062-1071, 2010.

Ubel PA, Silbergleit R: Behavioral equipoise: A way to resolve ethical stalemates in clinical research. *Amer J Bioethics* 11:1-8, 2011.

Durkalski V, Silbergleit R, Lowenstein D: Challenges in the design and analysis of non-inferiority trials: a case study. *Clin Trials* 8:601-608, 2011.

Silbergleit R, Durkalski V, Lowenstein D, Conwitt R, Pancioli A, Palesch Y, Barsan W, for the NETT Investigators: Intramuscular versus intravenous therapy for prehospital status epilepticus, *N Eng J Med* 366:591-600, 2012.

Paulsen MJ, Haddock AJ, Silbergleit R, Meurer WJ, Macy ML, Haukoos J, Sasson C: Empirical hospital and professional charges for patient care associated with out of hospital cardiac arrest before and after implementation of therapeutic hypothermia for comatose survivors. *Resuscitation* Mar 10, 2012 (Epub ahead of print).

Service: Dr. Silbergleit provides academic service to the department, Medical School, health system and the national community. He serves on the Didactic Committee of the Emergency Medicine Residency, the Student Biomedical Research Committee of the Medical School, and the Adult Ethics Committee of the Health System. Nationally, he has served on the editorial boards for the *Annals of Emergency Medicine* and as a reviewer for many other journals. He edited an issue of *Emergency Medicine Clinics of North America* on neurological emergencies. He currently is serving a term on the NINDS NSD-K Study Section, and has served on many

other NIH review panels over the years. He has also reviewed grants for the American Hospital Association, Department of Defense, and others. He has participated as an organizer, presenter, or moderator for several NIH or other federal workshops, and has served on an FDA advisory panel. He is nationally recognized as a leader in clinical research in neurological emergencies.

External Reviewers:

Reviewer A: "...Dr. Silbergleit has secured a national reputation for his expertise in neurologic emergencies. His reputation is based on his leadership with the NIH funded NETT, his leadership on national panels and workshops, his peer review particularly at the NIH and his publications which include a recent first author publication in NEJM based on his leadership of a multi-center clinical study."

Reviewer B: "Dr. Silbergleit is international [sic] recognized as an expert on neurological emergencies. He has been an invited speaker at many venues throughout the United States, Europe and Australia....His work is widely cited and certainly his focus on neurological emergencies has had a major impact in the field of Emergency Medicine. His recent article in the NEJM has the potential to change practice in the pre-hospital treatment of status epilepticus."

Reviewer C: "His enthusiasm in the management of acute cerebrovascular events has led to substantial advances across the country. His investigation of traumatic brain injury and most recently management of convulsive disorders in the field has added to our understanding of the emergency management of patients with neurologic emergencies....He certainly ranks in the top 10 percent of professionals in the field of emergency medicine."

Reviewer D: "Dr. Silbergleit is considered an international expert in emergency neurological research. Specifically, he is one of a very few emergency medicine physicians who possesses substantial expertise in the design, conduct, review, and reporting of phase II and phase III clinical trials of new treatments for emergency neurological conditions such as status epilepticus, stroke, and traumatic brain injury. Via the NETT, he successfully led the RAMPART clinical trial from start to finish, and the results were recently reported in the New England Journal of Medicine. This landmark trial fundamentally changed the treatment of continuous seizures in the prehospital setting. Thus, Dr. Silbergleit's work has had direct and major impact on the field of emergency neurology and this has translated to better treatment for patients. This is a direct result of his thoughtful design, steadfast shepherding, and timely reporting of the results of this major clinical trial."

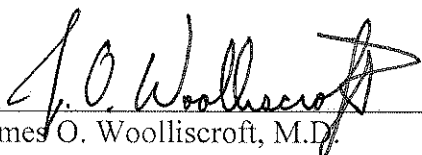
Reviewer E: "His interest in neurologic emergencies and especially in the study of stroke has led to a substantial body of published work on the subject and has established him as one of the nation's authorities. This is amply demonstrated by his inclusion in National Institutes of Health review panels and expert panels at national meetings and by the invitation to write the chapter on cerebral resuscitation in the definitive textbook in the field of Emergency Medicine."

Reviewer F: "...he has not only advanced the global reputation and stature of his chosen specialty, but he has also enhanced the reputation of the *University of Michigan* across many disciplines including neurology, cardiology, trauma and other arenas of time-dependent,

longitudinal patient care. Moreover, his research work has literally changed medical practice world-wide, not only in EM, but in numerous other avenues of patient treatment and management.”

Summary of Recommendation:

Dr. Robert Silbergleit is a nationally and internationally respected leader and researcher in the specialty of emergency medicine and neurological emergencies. I am pleased to recommend Robert Silbergleit, M.D. for promotion to professor of emergency medicine, with tenure, Department of Emergency Medicine, Medical School.

A handwritten signature in black ink, appearing to read "J. O. Woolliscroft", written over a horizontal line.

James O. Woolliscroft, M.D.  
Dean  
*Lyle C. Roll Professor of Medicine*

May 2013