

May 15, 2008

PROMOTION RECOMMENDATION
 UNIVERSITY OF MICHIGAN MEDICAL SCHOOL
 DEPARTMENT OF NEUROSURGERY
 DEPARTMENT OF OTORHINOLARYNGOLOGY

B. Gregory Thompson, Jr., M.D., Associate Professor of Neurosurgery, with tenure, Department of Neurosurgery, and Associate Professor of Otorhinolaryngology, without tenure, Department of Otorhinolaryngology, Medical School, is recommended for promotion to Professor of Neurosurgery, with tenure, Department of Neurosurgery, and Professor of Otorhinolaryngology, without tenure, Department of Otorhinolaryngology, Medical School.

Academic Degrees:

M.D.	1986	University of Kansas
A.B.	1982	Harvard University

Professional Record:

2001-Present	Associate Professor of Neurosurgery, University of Michigan Associate Professor of Otorhinolaryngology, University of Michigan
1998-2001	Assistant Professor of Surgery, Section of Neurosurgery, University of Michigan
1994-1998	Assistant Professor of Neurosurgery, University of Utah

Summary of Evaluation:

Teaching: Dr. Thompson teaches medical students, fellows, graduate students, and post doctoral fellows. He currently teaches medical students at the M3 and M4 level, and neurosurgery residents from their first through seventh year of training. Dr. Thompson has developed an international reputation in neurovascular neurosurgery specifically because of his unparalleled expertise as an outstanding surgeon, an experienced endovascular interventional radiologist, and one knowledgeable and capable of doing stereotactic radiosurgery. Thus, by combining three very distinct modalities, he has positioned himself to be one of the unique leaders in cerebrovascular neurosurgery and is often called upon to teach because of his extensive expertise.

We have had residents and fellows from a variety of institutions specifically come to the University of Michigan to work with Dr. Thompson. He has been a proponent of state of the art treatments for neurosurgery and has increased his skill set at a time when most neurosurgeons would be content to be merely known as outstanding clinical neurosurgeons. Residents routinely comment in their yearly evaluations of Dr. Thompson that he is the one that teaches them ultimately to be a microneurosurgeon. It is difficult to underestimate the number of hours spent teaching and the complexity of the cases that Dr. Thompson performs, teaching residents with each case. He spends untold hours in the operating room making certain that their microsurgical skills are sufficient to be able to be competent and capable neurosurgeons. Residents routinely call him up after graduating the program to discuss complex cases with him.

Dr. Thompson has a remarkably calm presence in the operating room which cannot be underestimated. Dealing with one of the most complicated and difficult of neurosurgical areas, cerebrovascular neurosurgery, he continuously educates not only the residents, but medical students, nurses, and nursing students within the operating room. He is mindful of the presence of Anesthesiology residents and fellows. Such dedication to teaching is unique and is reflected in his outstanding evaluations by residents and students.

Research/Scholarship: Dr. Thompson's research and scholarship focuses on the area of cerebrovascular neurosurgery. His early work in cerebrovascular neurosurgery has actually changed the course of treatment and management of patients with subarachnoid hemorrhage. One of his earliest publications reflecting nitric oxide and calcium channel antagonists represents a major contribution to the field of neurosurgery and is reflected in several awards he has received because of it. He has continued along in the area of cerebrovascular neurosurgery and has expanded the area significantly, both with respect to outcomes within cerebrovascular neurosurgery as well as the basic science of vasospasm. More recently, he has looked at outcomes from his extensive skull base practice, and his paper looking at hearing preservation in patients with acoustic neuromas is considered a landmark paper in that it has the best outcomes of any published data regarding acoustic surgery. He is a technical master who is able to convey his mastery through peer-reviewed publications as well as presentations at organized meetings. Dr. Thompson is an invited speaker on a national and international level and is recognized as an expert in the area of outcomes in cerebrovascular neurosurgery, specifically the pathophysiology of vasospasm.

Recent and Significant Publications:

Cowan JA, Ziewacz J, Dimick JB, Upchurch GR, Thompson BG: Use of endovascular coil embolization and surgical clip occlusion for cerebral artery aneurysms. *J Neurosurg* 107:1-6, 2007.

Arts HA, Telian SA, El-Kashlan H, Thompson BG: Hearing preservation and facial nerve outcomes in vestibular schwannoma surgery: results using the middle cranial fossa approach. *Oto & Neurotology* 27(2):234-41, 2006.

Park P, Garton HJ, Kocan MJ, Thompson BG: Risk of infection with prolonged ventricular catheterization. *Neurosurg* 55(3):594-9; discussion 594-601, 2004.

Cowan JA, Dimick JB, Wainess RM, Upchurch GR, Thompson BG: Outcomes after cerebral aneurysm clip occlusion in the United States: the need for evidence-based hospital referral. *J Neurosurg* 99(6):947-52, 2003.

Thompson BG, Pluta RM, Girton ME, Oldfield EH: Nitric oxide mediation of chemoregulation but not autoregulation of cerebral blood flow in primates. *J Neurosurg* 84(1):71-8, 1996.

Service: Dr. Thompson serves as the Vice Chair for the Department of Neurosurgery as well as the Director of the Cerebrovascular Neurosurgery Division. He is the head of the departmental Finance Committee. He also serves on the Finance Committee of the Faculty Group Practice.

Nationally, he has been recognized as a leader in cerebrovascular neurosurgery and has served on the Executive Committee of both major national neurosurgical organizations, the Congress of Neurological Surgeons (CNS) and the American Association of Neurological Surgeons (AANS), and has been a guest examiner of the American Board of Neurological Surgeons. He has been elected to membership in invitation-only societies such as the American Academy of Neurological Surgeons and the Neurosurgical Society of America. He serves on the editorial board of the *Circle of Willis* as well as on *Skull Base Surgery*, and is an ad hoc reviewer in *Neurosurgery* and *Journal of Neurosurgery*. He has been Chair of the General Scientific Section of the CNS, Chair of the Education Committee, served on the Strategic Planning Committee, as well as the Chair of the Fellowship Committee for the CNS. Within the AANS he has been a Liaison to the Washington Committee, has been on the Nominating Committee, and has been the Chair on the Joint Section on Cerebrovascular Neurosurgery. He has been an annual meeting Chair and President of the Michigan Association of Neurological Surgeons.

Professional Work: Dr. Thompson's clinical expertise involves the surgical management of patients with cerebrovascular anomalies including aneurysms, AVMs, carotid artery disease, and cavernous malformations. In addition, he is an outstanding skull base surgeon and spends a considerable amount of his time expanding and increasing the acoustic tumor program at the University of Michigan working with the Department of Otorhinolaryngology. Dr. Thompson is known for his collaborative efforts. He was the Chief of the Neuro Intensive Care Unit for many years and was instrumental in the recruitment of a board certified Neurologist and Neuro Intensive Care expert to help manage our patients. He has developed an outstanding Cerebrovascular Neurosurgery Program which works in collaboration with the Department of Radiology with respect to endovascular techniques, with the Department of Neurology with respect to the management of a wide variety of cerebrovascular disorders, and with the Department of Surgery, specifically Vascular Surgery, to deal with carotid artery disease.

External Review:

Reviewer A: "Based on my knowledge of our field, I feel that Greg has risen to the very top tier in scholarly and professional activities."

Reviewer B: "...Greg Thompson is the epitome of the academic neurosurgeon. He is superbly trained, has superior clinical and surgical skills, has demonstrated excellent scholarly ability and has exceptional leadership skills on a national stage."

Reviewer C: "There is no question that Dr. Thompson is currently in the top tier of cerebrovascular surgeons in the United States and, in his own generation, he is right at the top of that group."

Reviewer D: "His publication in peer reviewed journals has assured him a place of prominence in the international neurosurgery community."

Reviewer E: "Greg is unquestionably recognized to be one of the national leaders in cerebrovascular surgery....I believe Greg Thompson to be one of the most outstanding and capable academic neurosurgeons in America."


Reviewer F: “His publications are frequently cited, and have helped shape policy decisions within all the major neurosurgical organizations with respect to subspecialty training and care.”

Reviewer G: “He is a highly sought-after faculty member at national meetings and symposia. He has certainly grown into his role as a national leader in this field....I would imagine that this promotion is critical for his retention at the University of Michigan since he would be a very highly sought-after commodity at many major academic programs across the country who are looking for a leader in cerebrovascular diseases.”

Reviewer H: “Dr. Thompson comprises the complete package of an academic neurosurgeon, a skilled clinician, and a marvelous citizen in the overall body of organized neurosurgery.”

Summary of Recommendation:

Dr. B. Gregory Thompson is a true triple threat. He maintains an enormously difficult and complex operative schedule while remaining a true teacher of residents and medical students. He also is a leader within the community of neurosurgery and provides outstanding service to the Medical Center. His scholarly activity has advanced cerebrovascular neurosurgery and has helped establish an outstanding Cerebrovascular Section within the Department of Neurosurgery. He should be recognized for his dedication and the prestige he has brought to this institution and his promotion to Professor of Neurosurgery and Professor of Otorhinolaryngology would seem appropriate and timely.



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

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