

PROMOTION RECOMMENDATION  
UNIVERSITY OF MICHIGAN  
MEDICAL SCHOOL  
DEPARTMENT OF SURGERY

Approved by the Regents  
May 14, 2009

Randall S. Sung, M.D., assistant professor of surgery, Department of Surgery, Medical School, is recommended for promotion to associate professor of surgery, with tenure, Department of Surgery, Medical School.

Academic Degrees:

M.D.	1991	Columbia University College of Physicians and Surgeons
A.B.	1985	Harvard University

Professional Record:

2002-present	Assistant Professor of Surgery, University of Michigan
2000-2002	Assistant Professor of Surgery, Mount Sinai School of Medicine
1997-2000	Lecturer, University of Michigan

Summary of Evaluation:

Teaching: Dr. Sung teaches undergraduates, medical students, residents, fellows, post-doctoral research fellows, physician assistants, nurse practitioners, transplant coordinators, and physicians. Dr. Sung lectures on the subject of transplant immunology and participates in the panel discussion for the M2 Student Renal Sequence. He gives didactic lectures to third- and fourth-year medical students and residents who rotate on the transplant service. Topics include Care of the Transplant Patient, Transplant Immunology, Immunosuppression and its Complications, Renal Transplantation, Liver Transplantation, Pancreas and Islet Transplantation, and Organ Donation. He gives six didactic lectures per year on Shock to the M3 students on the surgery clerkship. He reviews their oral presentations and progress notes on the inpatient floor and clinic settings. He is their instructor in the operating rooms. Dr. Sung's teaching activities amount to more than 500 hours per year and approximately 150 students are the recipients of his talent and knowledge. Dr. Sung serves as an M4 faculty advisor for their career choices and residency applications. He mentors residents about their career options, research opportunities and finding academic faculty positions. Transplant fellows are continuously supervised and taught about performing transplant procedures and donor recoveries in the operating room. Review and evaluation of their work is also done in the clinic setting. Didactic lectures are part of their teaching plan. Dr. Sung is the recipient of the 2007 Silver Scalpel Medical Student Teaching Award presented to the Department of Surgery faculty member with the greatest recognized impact as an M3 facilitator. His most important contributions include the design and development of the M3/M4 Transplant Surgery Curriculum. The annual student evaluations attest to his success as facilitator of this program. National educational contributions are noted by his involvement with the following committees for the American Society of Transplant

Surgeons (ASTS): He is a member of the Fellowship Curriculum Committee, with direct responsibility for developing and writing two of 11 units for the first curriculum created for transplant fellows. He has been the chair of the Planning Committee for two years for the Winter Symposium CME Event. This committee develops the content of the program and he oversees the process and work of the management team. Dr. Sung was recently the course co-director for the “State of the Art: Kidney and Pancreas Transplantation” hosted by the University of Michigan. Seventy-five regional participants rated the overall quality of the course as 4.8 out of 5.

Research: Dr. Sung’s research interests are kidney and pancreas transplantation, utilization of marginal or high-risk donor organs and their associated outcomes, organ allocation, pancreatic islet transplantation, and combined liver and kidney transplantation. Organ donation continues to be a problem, and Dr. Sung studies the allocation and use of expanded criteria donor (ECD) for kidneys. His research publications describe the effectiveness of a revised deceased donor kidney allocation policy that was designed to increase the efficiency of ECD kidney allocation, increase utilization, and reduce ECD kidney discard. His seminal advances with this research have been presented at national meetings and conferences and have been well received. Dr. Sung is nationally recognized as an expert in kidney allocation policy development and utilization. He represents the Society Registry of Transplant Recipients (SRTR) and his analysis and presentations have led to better decisions regarding the national allocation of organs to the people in this country. Dr. Sung has 47 peer-reviewed publications in journals such as *Transplantation* and *American Journal of Transplantation* and eight book chapters. Dr. Sung has received the AST/ASTS Transplant 2000 Young Investigators Award, the 2000 OPAM Transplantation Award Michigan Chapter-American College of Surgeons and an AST Faculty Grant in 2001. Grant support for SRTR is funded by the US HHS-Health Resources and Services Administration of which Dr. Sung is a co-investigator. The NIH recently approved a grant entitled “Using Systems Biology to Understand Islet Adaptation and Failure in Diabetes” with Dr. Charles Burant as the principal investigator and Dr. Sung as the co-investigator. Dr. Sung is currently the principal investigator on a University of Michigan Transplant Center grant to study human islet shipments. Two grants are in the approval process, one as principal investigator with funding by NIDDK and the other as co-investigator with funding by the Juvenile Diabetes Research Foundation. Dr. Sung has had seven major previous grants over the past 14 years. He has 23 extramural invited lectures and has made numerous other national and international presentations. Dr. Sung is on the editorial board of *Chinese Journal of Current Advances in General Surgery*. He is an ad hoc reviewer for a wide variety of major journals including *Transplantation*, *American Journal of Transplantation*, *World Journal of Surgery*, *Journal of Pancreas*, *Molecular Therapy*, *Endocrinology*, and *Biochimica et Biophysica Acta*. Dr. Sung serves as an abstract reviewer for the American Transplant Congress, and served as the review committee chair from 2006-2008.

Recent and Significant Publications:

Sung RS, Galloway J, Tuttle-Newhall JE, Mone T, Laeng R, Friese CE, Rao PS: Organ donation and utilization in the United States, 1997-2006. *American Journal of Transplantation* 8:922-934, 2008.

Sung RS, Christensen LL, Leichtman AB, Greenstein SM, Distant DA, Wynn JJ, Stegall MD, Delmonico FL, Port FK: Determinants of discard of expanded criteria donor kidneys: Impact of biopsy and machine perfusion. *American Journal of Transplantation* 8:783-792, 2008.

Sung RS, Guidinger MK, Leichtman AB, Lake C, Metzger RP, Port FK, Merion RM: Impact of the expanded criteria donor (ECD) allocation system on candidates for and recipients of ECD kidneys. *Transplantation* 84:1138-1145, 2007.

Cohn JA, Englesbe MJ, Ads Y, Paruch J, Pelletier SJ, Welling TH, Sonnenday C, Magee JC, Punch JD, Campbell DA Jr, Sung RS: Financial implications of pancreas transplant complications and the role for quality improvement. *American Journal of Transplantation* 7:1656-1660, 2007.

Sung RS, Guidinger MK, Lake C, McBride MA, Metzger RA, Greenstein SM, Delmonico FL, Port FK, Merion RM, Leichtman AB: Impact of the expanded criteria donor kidney allocation system on the use of expanded criteria donor kidneys. *Transplantation* 79:1257-61, 2005.

Service: Dr. Sung serves on several health system committees involving operations, evaluations and policies for transplantation of the kidney, pancreas, liver, and islet. He is on the Ethics Committee, the Kidney/Pancreas Transplantation Executive Committee and the OTIS Data Oversight Committee. Dr. Sung is on two committees with the Gift of Life Michigan. National service for the Organ Procurement and Transplant Network include the Organ Availability Committee, Pancreas Committee, and the Kidney-Pancreas-Organ Availability Joint Subcommittee. Recent service to the American Society of Transplant Surgeons includes the Continuing Medical Education Committee, Fellowship Curriculum Development Committee and Chair of the Vanguard Committee. He is nationally recognized for his leadership abilities and progress on the Fellowship and Vanguard Committees. He is on the Organ Donation Advisory Council for the American Society of Transplantation. He is the SRTR representative on the Advisory Committee for the Global Alliance for Transplantation. Dr. Sung is a member of numerous professional societies such as the American College of Surgeons, Central Surgical Association and the Transplantation Society.

Professional Work: Dr. Sung's unique clinical expertise is surgical transplantation of the kidney and pancreas. Dr. Sung has scheduled surgery time at the University of Michigan Hospital operating room one day per week. He is on call to receive donor organs on the average of two weeks every month. Weekly clinical activities for Dr. Sung take place at the University of Michigan Taubman Center. In the diverse field of transplant surgery, Dr. Sung collaborates with medicine disciplines, including nephrology and gastroenterology. He has served as the director of the Pancreas Transplant Program since 2002. In 2008, he added the role of director of the Kidney Transplant Program. In this short time as director, he has demonstrated his leadership skills by increasing the efficiency of the transplant candidate evaluation process and establishing screening guidelines for kidney transplant donors and recipients.

External Review:

Reviewer A: “A major problem with clinical transplantation is lack of donors and older or extended criteria donors (ECD). He has gained national recognition in this area. He has been in the forefront of formulating our American Society of Transplant Surgery Fellowship courses....I believe that [the] University of Michigan is extremely fortunate to have a transplant surgeon of his caliber and excellence in teaching and research. I find these to be a rare combination in the current academic surgical environment.”

Reviewer B: “Dr. Sung has also taken on significant administrative and leadership roles in institutional, regional, and international organizations.... He has an outstanding national reputation and is becoming well known internationally as well....You are indeed fortunate to have such a talented surgeon as a member of your faculty.”

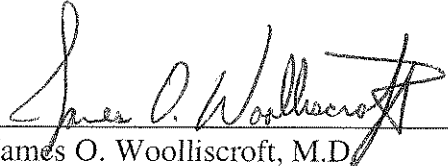
Reviewer C: “His papers examining organ donation, and especially characterizing outcomes of the extended criteria donor, have been highly regarded...These contributions have clearly advanced understanding in our field.”

Reviewer D: “As the current chair of the Vanguard Committee of the American Society of Transplant Surgeons he will be very instrumental in the development of the core curriculum for the training of transplantation fellows and residents.”

Reviewer E: “On review of Dr. Sung’s curriculum vitae and publications, it is clear that his scholarship during the past six years at the University of Michigan has impacted the field of kidney and pancreas transplantation, and more implicitly, his work with the expanded criteria donor kidney allocation system, which has resulted in seminal advances in this area on a national level.”

Summary of Recommendation:

Dr. Randall S. Sung is nationally recognized as an outstanding clinician and scientist in the area of kidney and pancreas transplantation. He is dedicated to medical education and is an excellent role model and teacher. He is well respected by his colleagues and is committed to national service, research, and academic clinical care. Dr. Sung is strongly recommended for promotion to associate professor of surgery, with tenure.

  
James O. Woolliscroft, M.D.

Dean

*Lyle C. Roll Professor of Medicine*

May 2009