

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE

Approved by the Regents
May 14, 2009

Panduranga S. Rao, M.B.B.S., assistant professor of internal medicine, Department of Internal Medicine, Medical School, is recommended for promotion to associate professor of internal medicine, with tenure, Department of Internal Medicine, Medical School.

Academic Degrees:

M.S.	2005	School of Public Health, University of Michigan
M.B.B.S.	1989	University of Madras, India

Professional Record:

2003-present	Assistant Professor of Internal Medicine, University of Michigan
2000-2003	Assistant Professor of Internal Medicine, Medical College of Ohio

Summary of Evaluation:

Teaching: Dr. Rao is intimately involved in the clinical education of medical students, residents and fellows, together with the basic science education of undergraduate students, graduate students and postdoctoral fellows at the University of Michigan Medical School. He received the "Faculty Teaching Award" at the Medical College of Ohio, which is the highest ranked award for a physician overall at that institution. Clinically, Dr. Rao teaches M2's in renal replacement therapy and in glomerulonephritis. As consult attending on the Nephrology Service, he mentors M3's, M4's and Internal Medicine residents on the care of nephrology patients. He attends at morning reports for internal medicine residents. He delivers periodic internal medicine noon conference lectures related to renal issues to internal medicine residents. A great deal of his efforts relate to teaching fellows in the Division of Nephrology. He supervises Nephrology fellows in a variety of capacities from one-on-one teaching in clinical settings to the organization of the weekly clinical didactic conference, which is one of the main teaching venues for fellows. Dr. Rao has been rated in the top five of all nephrology faculty (of >30 involved in clinical teaching) by fellows since he arrived in Ann Arbor. Additionally, he conducts educational lectures in the outpatient dialysis unit to physician assistants two hours/year on various aspects of dialysis. Dr. Rao currently supervises a doctoral graduate student in the Biostatistics Department, as well as a Pediatric Nephrology fellow. One graduate student and two postdoctoral fellows have obtained training in Dr. Rao's laboratory and have secured positions (one assistant professor, one associate program director and one medical resident) outside of the University of Michigan.

Research: Dr. Rao continues to participate in a number of clinical research projects related to the field of kidney transplantation, which has led to his position as the principal representative in the Minority Affairs Committee of the Scientific Registry of Transplant Recipients (SRTR). He is currently working with the North American Pediatric Renal Trials and Collaborative Studies, which is a national database of pediatric patients with renal disease on research projects. His scholarly activities have impacted the field of kidney transplantation in the following areas: survival benefits of transplantation, the donor-recipient relationship in positively impacting transplant outcomes, development of a predictive tool for transplantation outcomes, and transplantation in elderly renal failure patients. Importantly, he is also principal investigator of a nationally funded translational analysis of lupus nephritis patients, which could lead to an entirely new molecular diagnostic approach to this difficult clinical disease. Since coming to the University of Michigan in 2003, he has published 11 peer-reviewed articles as well as a number of abstracts. His manuscripts are complete works that are excellent in content, focus and structure. His currently submitted paper on the kidney donor risk promises to be very important in supporting the development of a new kidney allocation system nationally.

Recent and Significant Publications:

Miles C, Schaubel DE, Liu D, Port FK, Rao PS: The role of donor-recipient relationship in long-term outcomes of living donor renal transplantation. *Transplantation* May 27; 85(10):1483-1488, 2008.

Rao P, Schaubel DE, Xiaoyu J, Li S, Port FK, Saran R: Survival on dialysis post-kidney transplant failure: results from the scientific registry of transplant recipients. *Am J Kidney Dis*, Feb; 49(2) 294-300, 2007.

Miles C, Schaubel DE, Jia X, Ojo AO, Port FK, Rao PS: Mortality experience in recipients undergoing repeat transplantation with expanded criteria donor and non-ECD deceased-donor kidneys. *Am J Transplant*, April; (7) 1-8, 2007.

Rao P, Schaubel DE, Wei G, Fenton SSA: Evaluating the survival benefit of kidney retransplantation. *Transplantation* Sept; 82(5) 669-674, 2006.

Rao P, Schaubel DE, Saran R: Impact of graft failure on patient survival on dialysis: a comparison of transplant-naive and post-graft failure mortality rates. *Nephrol Dial Transplant* Feb; 20(2):387-91, 2005.

Service: Dr. Rao is a leader in the clinical care of patients with renal replacement therapies as well as kidney transplantation and management of patients with lupus nephritis. He participates in patient care activities through three different venues. He attends on the Nephrology Consult service and in the outpatient dialysis unit. In addition, Dr. Rao sees his own patients in a general Nephrology Clinic. Dr. Rao also serves as the medical director for

the Hemodialysis Unit at Livonia, the highest rated unit in the Renal Research Institutes system (>60 units nationwide).

Dr. Rao has maintained active membership in professional societies such as the American Heart Association. He is an ad hoc reviewer for several professional journals. He has been recognized by the American Society of Nephrology and the American Society of Transplantation. At the University of Michigan, he serves on the IRB and Minority Affairs Committee for the SRTR and is a mentor on the Nephrology Training Grant. Locally, he is actively affiliated with the National Kidney Foundation of Michigan and the Robert J. Delonis Center Shelter Association of Washtenaw County.

External Review:

Reviewer A: “He has delivered numerous invited lectures at national transplant meetings which is recognition of his national reputation....Dr. Rao has a very strong record as a scholar, teacher and researcher which he has sustained over the years.”

Reviewer B: “He has successfully moved out of typical outcome research and into novel areas that have the potential to significantly advance the field....Dr. Rao has indeed established a strong reputation of excellence in the field of outcome studies in renal transplantation....He is extremely well positioned to be an international authority on transplant outcomes.”

Reviewer C: “His academic achievements have been very significant over the past five years. His work on post-transplant survival and survival following return to dialysis is widely recognized, and his currently-submitted paper on the kidney donor risk index promise to be very important in supporting the development of a new kidney donor risk allocation system nationally.”

Reviewer D: “Dr. Rao has always demonstrated a clear grasp of the subject matter at hand and has had the unique ability to stimulate medical students, residents and fellows towards a career in academic nephrology....Dr. Rao has also served as a peer reviewer for most of the leading renal journals in the world.”

Reviewer E: “Regarding clinical excellence, Dr. Rao is a highly skilled and productive nephrologist who has attained and maintained the highest possible level of certification in his subspecialty area....He has proven himself to be a highly sought out consultant who provides quality care and possesses outstanding technical skills....There can be no doubt, based upon comments from Internal Medicine residents that Dr. Rao is truly an outstanding teacher who motivates his trainees to the highest level....He has shown a strong dedication to training not only medical students, residents, and fellows, but also ancillary hospital personnel.”

Summary of Recommendation:

Dr. Rao has developed into an outstanding clinical scholar and educator who has made significant contributions to the nephrology community and service of renal patients at the University of Michigan Health System. I enthusiastically support his proposed promotion to associate professor, with tenure, in the Department of Internal Medicine.

A handwritten signature in black ink, reading "James O. Woolliscroft", written over a horizontal line.

James O. Woolliscroft, M.D.

Dean

Lyle C. Roll Professor of Medicine

May 2009