

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF PEDIATRICS AND COMMUNICABLE DISEASES

David B. Kershaw, M.D., associate professor of pediatrics and communicable diseases, with tenure, Department of Pediatrics and Communicable Diseases, Medical School, is recommended for promotion to professor of pediatrics and communicable diseases, with tenure, Department of Pediatrics and Communicable Diseases, Medical School.

Academic Degrees:

M.D.	1988	Case Western Reserve University
B.S.	1984	University of Michigan

Professional Record:

2003-present	Associate Professor of Pediatrics and Communicable Diseases, University of Michigan
1996-2003	Assistant Professor of Pediatrics and Communicable Diseases, University of Michigan
1993-1996	Lecturer, Department of Pediatrics and Communicable Diseases, University of Michigan

Summary of Evaluation:

Teaching: Dr. Kershaw has had the privilege of teaching students at various levels over the past decade. He has been the educational liaison for the division during most of the past 10 years with responsibility for the medical student elective, resident elective, and the content and presentation of resident and fellow lectures. In addition, he has been able to work with engineering students on a patient flow project with Professor Albert Shih in the Department of Mechanical Engineering (ME 599). Dr. Kershaw participated in pre-clinical medical student education, predominately in the pathology laboratory for the M2's on acute glomerulonephritis and nephrotic syndrome. He has been the pediatric nephrology fellowship director for the past 10 years and is the PI for their T32 training grant. Dr. Kershaw has been a mentor for their 16 fellows during this time, most of whom have gone on to successful academic careers at institutions such as Duke, Mayo Clinic, the University of Iowa, Johns Hopkins, and the University of Wisconsin. He has given grand rounds or talks at regional hospitals (Beaumont Hospital, St. Joseph's Hospital, Hurley Hospital, and the Cleveland Clinic) and conferences (for example a talk to transplant professionals at "State of the Art: Kidney and Pancreas Transplantation" on "Transplantation in Children" in Plymouth MI). He is also a regular contributor to the Internal Medicine Nephrology Fellow board review course. For post-graduate learners he has been a regular contributor to both Pediatrics and Family Medicine Board Review/Update series.

Research: Dr. Kershaw began his career working on podocyte biology and in particular the role of Podocalyxin in podocyte function. Since his last promotion, he has worked on the role of podocalyxin in inhibition of cell-matrix interactions, its potential use as an independent marker of breast cancer progression. In 2008, he was a first co-author on “Recruitment of Podocytes from Glomerular Parietal Epithelial Cells” in the *Journal of the American Society of Nephrology* which was a key article showing the parietal epithelium cells are the source of “new” podocytes in glomerular maintenance. Since becoming division chief and assuming significant clinical, teaching, and administrative duties, Dr. Kershaw has refocused his research interests to team based clinical research and mentoring junior faculty. A good example of this is his involvement in the field of hypertension. Clinically, he reads all the pediatric ambulatory blood pressure monitoring studies and we care for the post-operative pediatric renal vascular surgery patients in the busy world-class destination program here. The team’s outcomes have been published in the largest single center pediatric series. In addition, Dr. Kershaw has worked with Dr. Esther Yoon in General Pediatrics in the area of physician decision-making in hypertension evaluation and treatment after mentoring her on a K advisory committee (multiple publications). Dr. Kershaw’s experience in transplantation has led to an interest in emerging therapies and processes to improve outcomes. He was the site primary investigator for a multicenter NIH funded study of a Novel Steroid-Free Tacrolimus Based Immunosuppression Protocol (two papers provisionally accepted by the *American Journal of Transplantation* and one manuscript submitted) and is site primary investigator for an industry sponsored pediatric multicenter study of an mTOR inhibitor for maintenance immunosuppression after kidney transplant. Finally, Dr. Kathryn Moseley and Dr. Kershaw have recently published an ethics article on the racial disparities in pediatric kidney transplant evaluations and access.

Recent and Significant Publications:

Appel D, *Kershaw DB, Smeets B, Yuan G, Fuss A, Frye B, Elger M, Kriz W, Floege J, Moeller MJ: Recruitment of podocytes from glomerular parietal epithelial cells. *J Am Soc Nephrol* 20:333-343, 2009. *These authors contributed equally to the generation of this manuscript.

Yoon EY, Davis MM, Rocchini A, Kershaw D, Freed GL: Medical management of children with primary hypertension by pediatric subspecialists. *Pediatr Nephrol* 24:147-53, 2009.

Chen A, Martz K, Kershaw D, Magee J, Rao PS: Mortality risk in children after renal allograft failure: a NAPRTCS study. North American Pediatric Renal Trials and Collaborative Studies. *Pediatr Nephrol* 25:2517-2522, 2010.

Yoon EY, Cohn L, Rocchini A, Kershaw D, Clark SJ: Clonidine utilization trends for Medicaid children. *Clin Pediatr* (Phila) 2012 Apr 17. [Epub ahead of print]

Moseley KL, Kershaw DB: African American and white disparities in pediatric kidney transplantation in the United States: Unfortunate or unjust? *Cambridge Quarterly of Healthcare Ethics*. In Press.

Service: Over the past five years, Dr. Kershaw has increasingly engaged in service at multiple levels. In the division he has served in the following capacities: division chief, fellowship

director, pediatric kidney transplant medical director, and has been medical director of the Pediatric Dialysis Unit. He has served on a full range of activities to support the department's missions: Appointments and Promotions Committee (vice chair); MiChart Physician Champion for Pediatric Kidney Transplant and Nephrology; Research Advisory Committee; Financial Advisory Committee; and Pediatric Directors Advisory Council. Hospital and Health System committees and roles include: Mott Executive Committee; Transplant Center Executive Committee; Mott O.R. Committee; Transplant Center Operations Committee; and elected member of the Executive Committee on Clinical Affairs. Nationally, in addition to serving on multiple committees for the American Society of Pediatric Nephrology, he has been a member of the *U.S. News and World Report* Best Hospital Pediatric Kidney Diseases work group, elected member to the American Society Nephrology Training Program Director's Executive Committee, member of the board of the NephCure Foundation (co-medical director), and a council member of the Midwest Society of Pediatric Research.

External Reviewers:

Reviewer A: "Beginning in 2005, he was appointed as Division chief of Pediatric Nephrology and specifically focused his efforts in improving the academic output of the division.... Dr. Kershaw was charged with the task of completely rebuilding the division. He has been extremely successful in this effort and now leads a division of 11 faculty members. He also recruited a funded senior clinical investigator, a dialysis director, and two faculty members shared with Internal Medicine (to develop a program in chronic kidney disease transition to adult providers)."

Reviewer B: "He has developed an internationally recognized program in Pediatric Nephrology at Ann Arbor....His scholarly basic science work has provided seminal advances in the field of podocyte biology. His more recent clinical and translational work has continued to provide major advances in the care of children with hypertension and kidney transplantation. His leadership of the Pediatric Nephrology Clinical Program as well as the Fellowship Training Program are exemplary."

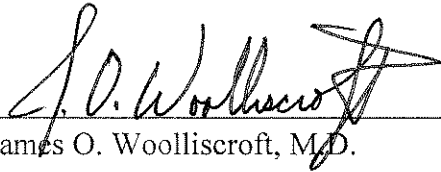
Reviewer C: "Dr. Kershaw has, from the ground up, built one of the largest and highly productive pediatric nephrology sections in the country. His skills in program building are held in very high esteem in our national and international societies."

Reviewer D: "His contributions are a reflection of his institution's commitment to excellence in research, service and education and as such, David Kershaw has demonstrated the unique ability to set new standards of what a true academic Pediatric Nephrologist can achieve."

Reviewer E: "...I believe that Dr. Kershaw's scholarly and professional activities have been meaningful and broad in scope. He has been recognized as a valued clinician, investigator and educator and has made valuable contributions to the field of pediatric nephrology. He has contributed as a teacher on multiple levels. His ability is well recognized regionally and nationally as indicated by his work in multiple regional and national professional societies and invitations to speak at a number of academic centers and at scientific meetings."

Summary of Recommendation:

Dr. David Kershaw is a remarkable teacher, researcher, and clinician. The leadership he has provided in the Pediatrics Nephrology Division including the fellowship program is truly exceptional. I strongly recommend David B. Kershaw, M.D. for promotion to professor of pediatrics and communicable diseases, with tenure, Department of Pediatrics and Communicable Diseases, 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