We dedicate this year’s report to our Clinician-Educator faculty—Drs. Gordon, Gilbert, Goyal, Wright and Dad—for their incredible commitment to teaching, training, and mentoring.
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MESSAGE FROM THE CHIEF

Welcome to our 18th Annual Report. This year’s report summarizes our endeavors in the areas of administration, patient care, research, education, and policy. 2019 was an excellent year for the Division.

Our cover this year honors the attending physicians in the Division whose primary responsibility is educating our fellows, residents and students. These Clinician-Educator Faculty are extremely valuable members of the Division who carry on the long-standing tradition of inspiring the next generation of physicians to be caring, thoughtful and devoted clinicians. In addition to training and mentorship in direct patient care, our Clinician-Educator Faculty have significantly contributed to developing the new medical school curriculum: Dr. Gilbert together with the help of Drs. Dad, Goyal and Wright have created a new Renal Course; Dr. Gordon is overseeing a new unit on Integrative Cases, and Dr. Dad is leading the expansion of the Introduction to Clinical Reasoning Course.

We were thrilled when Geneva Tucker, MBA was promoted to Division Administrator after 7 years as our Business Operations Manager. This promotion also included becoming the Division Administrator for the Division of Palliative Care. Three great clinicians departed the Division in 2019 and we miss them and their commitment to our patients. The dialysis program had two major retirements: Linda Lawson, RN with over 40 years of service and Jane Maxim, RN with 38 years of service. In addition, Christine Sullivan, PA-C moved from the Kidney and Blood Pressure Center to Mill City Medical Group in Lowell MA to have her workplace be closer to her home, husband and newborn son. We are so grateful for these clinicians and the years of providing excellent clinical care to our patients. We were saddened by the news that Dr. Susan Hou, former fellow and faculty member, died in 2019.

The kidney ultrasound practice spearheaded by Dr. Seth Wright was our main clinical initiative in 2019. Clinical volume continued to be high at Tufts Medical Center and at our off-site practices. The Medical Center recognized the Kidney and Blood Pressure Center with an award for the Most Improved Overall Ambulatory CG-CAHPS scores. The improved patient experience results reflect the clinic’s constant effort to improve the patient experience, strong clinic leadership, and amazing teamwork. Boston Magazine reported what we all already know - we have some of Boston's Best Doctors! Congratulations to Drs. Gilbert, Inker, Levey, Meyer, Miskulin, Perrone, Sarnak, and Weiner.

Research funding remains extremely competitive, with overall funding increasing approximately $500,000 over last year. I’m happy to announce that the Division received 7 new grants or contracts in 2019. Additionally, publications were strong (78 print and 12 epubs). We were excited when Dr. Wendy McCallum, one of our research fellows starred in the inaugural ISN Video Abstract. This was a new ISN initiative whereby the Kidney International editors select one article per month to be developed into a 5-10 slide recorded presentation by the author.

Our commitment to education remains strong. We are proud that Dr. Gilbert received the Distinguished Faculty Award from TUSM and Dr. Dad was appointed the Associate Residency Program Director in the Department of Medicine. Drs. Dad, Gilbert, and Gordon are also participating in the inaugural year of a new Coaching Program at TUSM. Dr. Gilbert was selected as an Outstanding Lecturer from 1st and 2nd year TUSM students and the TUSM Senior Class once again selected him to receive the Outstanding Teaching in the Pre-clerkship Years Award. This is at least the 4th time that the graduating class has selected Scott as the award recipient! During the same ceremony, Dr. Perrone was beaming with pride when his son Gabe and his
daughter-in-law Olivia also received awards.

Division members continued our storied history of receiving awards and honors. Dr. Perrone was an honoree at the NKF Honors event. Dr. Weiner received the American Society of Nephrology (ASN) Distinguished Midcareer Leader Award. Dr. Levey was named a 2019 Clarivate Analytics Highly Cited Researcher for the 6th year in a row and also received the Zucker Family Prize from TUSM. Dr. Inker was appointed to the Medical Advisory Board of the Alport Syndrome Foundation and is chairing the steering committee of the new NKF Patient Network initiative. Ticco Robinson, PA in the Kidney and Blood Pressure Center, was the March Saltonstall Employee of the Month and also was appointed to the Timmy Global Health Medical Advisory Committee. Finally, Dr. Levey was informed that in June 2020, he will receive the title of Honorary Member in the European Renal Association-European Dialysis and Transplant Association (ERA-EDAT). During the 50 years of the history of ERA-EDTA only 21 people have received this recognition.

We continue to rely on funds from the Friedman endowed chair and thank the donors of charitable contributions to our philanthropic funds such as the Driscoll Family Endowed Fund in Nephrology, the Inker Family Fund, the Dr. Gerald J. and Dorothy R. Friedman Professorship in Medicine, the William B. Schwartz Nephrology Fund, the Dr. John T. Harrington Endowed Fund, and the Hortense “Diddy” Seybolt Fund for Staff Enrichment in Nephrology. We greatly appreciate these contributions, as the funds provide necessary assistance to continue our mission.

I would again like to thank Dr. Michelle Richardson for her dedication and tremendous effort in preparing this year’s Annual Report.

As always, I hope you enjoy learning about our activities, and I welcome your feedback.

Sincerely yours,

Mark J. Sarnak, MD, MS
Chief, William B. Schwartz Division of Nephrology, Tufts Medical Center
Dr. Gerald J. and Dorothy R. Friedman Professor of Medicine
Division Family Tree

2019 Additions

The Division family grew in 2019 by only 1 baby! In the past 13 years, 48 babies have joined the Division. The current count is boys—25; girls—23.

Dragan Arjen Sinanan born to Anja Dass and Rajiv Sinanan
On November 20th at 8:12 am
Just over 8 pounds
March SaltonSTALL Employee of the Month: Ticco Robinson, PA-C

Ticco Robinson, PA-C was the March Saltonstall Employee of the Month. Ticco has been a member of the Tufts MC family for three years. He’s a compassionate caregiver, selfless, dedicated and sincerely committed to caring for his patients. Ticco is also an excellent teacher with a great sense of humor and he’s an amazing team player. We are so fortunate to have him as a member of the Division!

Ticco joins Helen Freedman (2009), Lorna Davies (2009), Debbie Dozier (2011), Dowa Dolma (2016) and Christine Sullivan (2017) as other members of the Division who have received this special award.
Ticco Robinson’s Annual Service Trip

Again this year, Ticco participated in his annual medical service trip sponsored by TIMMY Global Health.
Two Long-Term Dialysis Nurses Retire: Linda Lawson, RN and Jane Maxim, RN

Linda’s Farewell Speech Given by Chad Stevenson
DCI Boston Nurse Manager

It is always nice when honoring one of our own says something nice about both the person and our company. Linda Lawson is retiring this year after dedicating her professional life to dialysis for 40 years. Of those years, 32 were with DCI. I think that says a lot about our company and the values it promotes.

But, it says more about Linda as a person. She is dedicated to her job, to her profession. She is dedicated to the patients whose lives she extends, and also enriches. She has been a trusted friend to coworkers, and someone who can find humor in situations when laughter seems like the only way to cope.

Linda is the first one to show up at the clinic each day. Now, rumor is that this is so Linda can avoid the dreadful Boston traffic and drink her coffee in peace. But, my confidential sources also tell me that this became a job requirement for Linda the first time she showed up at work after a 15 mile traffic jam and no caffeine fix.

Linda will be dearly missed. I think she tried to retire last year, but they messed up her paperwork and she was instead promoted to nurse educator. She caught on and now she will be leaving us for real. We will not be able to replace her experiences. Just ask those who listened to her talk about using a Scribner Shunt when she went for her educator training. She may have been slightly older than the other trainees in the room, but that was only a benefit to them.

Linda, thank you for what you’ve done and the thousands of patients you’ve helped. Happy sailing, Linda, wherever your voyage leads you next.
Two Long-Term Dialysis Nurses Retire: Linda Lawson, RN and Jane Maxim, RN

A Farewell to Jane Written by Klemens B. Meyer, MD
DCI Ball Square Home Program Medical Director

Jane Maxim, RN stepped down as Nurse Manager of the DCI Ball Square Somerville Home Dialysis Program in early 2020, succeeded by Mary Nguyen RN. Jane graduated from the Catherine Laboure School of Nursing in 1973. From 1974 to 1979, she worked in hemodialysis at The Kidney Center, and she learned peritoneal dialysis at St. Joseph’s Hospital in Orange, California in 1981.

In 1982, Jean McCorry RN hired Jane to work in the new peritoneal dialysis program at New England Medical Center which Peachy Simon RN and John Harrington MD had recently established. Jane worked in both peritoneal dialysis and hemodialysis in the NEMC program, and with Dialysis Clinic, Inc. (DCI) after DCI assumed responsibility for inpatient and outpatient dialysis at Tufts in 1986, serving for a time as Nurse Educator for the DCI Boston dialysis program.

The peritoneal dialysis program, which had always served about 15 patients, was moved to DCI Ball Square Somerville in 2002. By 2003, when Jane took responsibility for the home dialysis program, it had shrunk to about 7 patients. Under her leadership over the ensuing 17 years, it grew to more than 60 patients. Jane continues to work with us, and we hope that she will continue to share her wisdom and to teach by example, as she has for so many years.
2019 New Fellows

Erin Flanagan, MD

Medical School: Case Western Reserve University School of Medicine
Residency: Tufts Medical Center, Boston MA
Why Tufts MC? The Tufts faculty, fellows and staff are all incredibly welcoming and supportive. The CTSI program is a unique and invaluable opportunity to learn about clinical research.

Caroline Hsu, MD

Medical School: Icahn School of Medicine at Mount Sinai
Residency: Rochester Medical Center, Rochester NY
Hobbies/Interests: Ice skating, museum-hopping
Why Tufts MC? I chose Tufts for the strength of its clinical research and training. More than that, I thrive in an environment of collegiality, and I found the people here to be amazingly supportive and pleasant to work with.
In Memorium

The Division was saddened to learn of the death of a Susan Hou, MD, a former New England Medical Center Intern and Nephrology Fellow. In her memory, Andy Levey wrote a paragraph about Susan’s career, from a Tufts-centric view, and we then present her published obituary.

Susan completed her internal medicine residency (see picture below) and nephrology fellowship and served on the faculty at Tufts Medical Center (the New England Medical Center) until 1984. During that time, she authored seminal original investigations with John Harrington on hospital-acquired renal insufficiency and pregnancy in chronic kidney disease. She was recruited to Michael Reese Hospital in Chicago by Jordan Cohen, who had moved from his position as Chief of Nephrology at Tufts to Chair of Medicine at Michael Reese in 1981. Later, Susan held faculty positions at Rush and Loyola, where she became a transplant nephrologist, and had a remarkable career. Susan was an inspiration to me, especially in the ethical and clinical issues of living donor kidney transplantation. This past year was the 10th anniversary of the my wife Roberta Falke’s kidney transplantation and my donation here at Tufts through the paired kidney donation program of the New England Organ Bank. I am grateful to Susan for all her teachings about life’s lessons. The Division expresses sincere condolences to Mark, their children and grandchildren, and their many friends and colleagues, and our best wishes for a lifetime of treasured memories of Susan.
The following is Susan’s published obituary (https://www.gatheringus.com/memorial/susan-hamant-hou/1204):

“Our beloved Susan passed away peacefully, surrounded by her family on 7/27/19. Susan was a cherished wife, mother, grandmother, sister, daughter, doctor, friend, kidney donor, colleague, mentor, and humanitarian who embraced life with a passion that continues to inspire us all to be our best selves. She went by many names: Susan, Mom, Susie, Hou Yi Sheng, Doctora Susan, Mima, Meowmaw, Grandma, Dr. Hou. Her sense of adventure, witty humor, brilliant mind, compassion for others, and determination had a rich and diverse impact on the world.

Susan was born on July 29th, 1946 in Boston, Massachusetts to Daniels and Muriel Hamant. After a mischievous childhood of terrifying her grandmother with bugs and snakes, she went on to have a prestigious academic career. She completed high school at Dana Hall School in Wellesley, Massachusetts in 1964. She graduated Magna Cum Laude from Harvard with a BA in Far Eastern Languages in 1967. She earned an MA in East Asian Studies from Stanford in 1970. After being the only applicant to arrive at an interview during a wicked Worcester snowstorm—thanks to her brother Stoke, who drove her, she was accepted to medical school at the University of Massachusetts, where she obtained her MD in 1975. She then trained at Tufts-New England Medical Center to become a nephrologist in 1980. She went on to become a world-renowned expert in kidney disease and pregnancy.

While training she met her husband, the love of her life and partner in humanitarian endeavors, Mark Molitch. They moved to Chicago in 1984, where Susan worked as a nephrologist at Michael Reese Hospital and Rush University Medical Center, and ultimately as a transplant nephrologist at Loyola University Medical Center. She and Mark built a life with their three children in River Forest, IL.

Susan was proud to have uniquely experienced organ transplantation from all angles. Susan was inspired to specialize in nephrology by a friend suffering with kidney disease in medical school, Stan Cole, who went on to receive a kidney transplant from his brother (of course Susan offered her kidney, but Stan's brother was a better match). Susan and others wrote a seminal article about altruistic, unrelated organ donation in 1986, published in the New England Journal of Medicine. Susan saved five-year old Indira's life in 1996, by
facilitating the first living-donor liver transplant in Bolivia. Susan's mother Muriel donated organs when she passed away in 1999. In 2002, Susan achieved a lifelong dream in donating one of her kidneys to one of her patients who matched her very petite body size. In 2010, Susan became ill with pulmonary fibrosis, for which she received a lung transplant, exactly 12 years to the day from her kidney donation in 2014. Due to the toxicity caused by her transplant medications, Susan needed her own kidney transplant and received one from her son Ethan in 2017.

Susan was an avid world traveler, visiting 6 continents and immersing herself in cultures and communities around the world. She impressed many people by speaking English, Chinese, Spanish, Arabic, and Japanese. She was known for engaging strangers everywhere she went, learning their life histories while waiting in line and riding in taxis.

Her philanthropy began when she created the Patient Assistance Foundation to help a woman named Dadi Ding come from China to the United States to get treatment for her kidney disease. She went on to use the foundation to help patients in need to get unaffordable medications and care. The foundation later evolved into the Daniels Hamant Foundation, named after her father. In 2001, with her like-minded Bolivian colleague Douglas Villarroel and her husband Mark, Susan established the Centro Medico Humberto Parra, a free medical clinic in the rain forest outside of Santa Cruz, Bolivia, that has served thousands of Bolivians with their medical care.

Her parents, her older sister Anne and her younger brother Daniels, preceded her in death. She is survived by Mark Molitch; her three children and their spouses: Tamara and Brian, Ethan and Bati, Michael and Danielle; her seven grandchildren Maya, Evan, Isaac, Olivia, Asha, Niko, and Felix; and her two cats Gandalf and Gabriel.

All of her family as well as her extended Bolivian and Chinese family members are honored to have had her in our lives and she will be missed terribly. We will all strive to fill the chasm created by her loss.

In lieu of flowers, please consider contributing to Susan's legacy, the Daniels Hamant Foundation... and please become an organ donor.”
Administration
**Division Overview**

The William B. Schwartz Division of Nephrology is comprised of full-time and part-time physicians and scientists and staff to support our clinical, research, educational and administrative endeavors. The Division is an integral part of the Tufts Medical Center, Tufts University School of Medicine (TUSM), and Tufts University communities. As listed in the Staffing section, many Division members have other appointments within Tufts Medical Center, TUSM, and the Tufts University Graduate School of Biomedical Sciences. In addition, the Division also enjoys a close and long-term relationship with Dialysis Clinic, Inc. (DCI), the largest not-for-profit provider of dialysis care in the United States, and the National Kidney Foundation (NKF). In a broader organizational structure, Division members are also active participants within their professional organizations. Through these relationships, the Division is able to provide excellent patient care, perform high-level research, educate students and practitioners about kidney disease, and influence public policy relating to the diagnosis and treatment of kidney diseases.

**Location**

The Division maintains off-site and on-site ambulatory, dialysis, and inpatient operations, with administrative and research operations located on the Tufts Medical Center Boston campus. Drs. Cohen, Dad, Drew, Gilbert, Gordon, Joseph, Meyer, Miskulin, Weiner, and Wright provide care at our off-site affiliates. The location of activities performed both on-site at Tufts Medical Center and at off-site affiliates are listed in Table 1 and Table 2, respectively.
Table 1: On-site Locations of Division Activities at Tufts Medical Center

<table>
<thead>
<tr>
<th>Building</th>
<th>Floor</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kneeland Street</td>
<td>4th</td>
<td>Kidney and Blood Pressure Center (KBPC) and KBPC staff</td>
</tr>
<tr>
<td></td>
<td>5th</td>
<td>Outpatient Dialysis Services provided by DCI</td>
</tr>
<tr>
<td></td>
<td>5th and 6th</td>
<td>Division support operations and physician and research staff offices</td>
</tr>
<tr>
<td>Floating</td>
<td>7th</td>
<td>Inpatient dialysis services provided by DCI</td>
</tr>
<tr>
<td>North</td>
<td>7th</td>
<td>Primary location for inpatient ward service</td>
</tr>
</tbody>
</table>

Table 2: Off-site Clinical Nephrology Activities Affiliated with Tufts Medical Center

<table>
<thead>
<tr>
<th>Off-site Practices</th>
<th>Services Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Pratt Medical Group Nephrology and Hypertension, Concord MA</td>
<td>• Outpatient nephrology</td>
</tr>
<tr>
<td>• Emerson Hospital, Concord MA</td>
<td>• Inpatient consultation and dialysis services</td>
</tr>
<tr>
<td>• DCI Walden Pond, Concord MA</td>
<td>• Outpatient dialysis services</td>
</tr>
<tr>
<td>• Reading MA and hospital-based clinics at Lawrence Memorial in Medford MA and Melrose-Wakefield in Melrose MA</td>
<td>• Outpatient nephrology</td>
</tr>
<tr>
<td>• St. Elizabeth’s Medical Center, Hospitals—Melrose-Wakefield Healthcare in Melrose, and Whidden in Everett</td>
<td>• Inpatient consultation and dialysis services</td>
</tr>
<tr>
<td>• DCI Ball Square in Somerville MA, Malden, Medford, Saugus, and Stoneham dialysis units</td>
<td>• Outpatient dialysis services</td>
</tr>
</tbody>
</table>

Staffing

Physician Staff

Mark J. Sarnak, MD, MS

Chief
Director, Research Training Program
Dr. Gerald J. and Dorothy R. Friedman Professor of Medicine

Andrew S. Levey, MD
Professor of Medicine
Chief Emeritus
Dr. Gerald J. and Dorothy R. Friedman Professor of Medicine Emeritus

Michael B. Cohen, MD
Assistant Professor of Medicine

Taimur Dad, MD, MS
Assistant Medical Director, DCI Ball Square
Assistant Professor
Associate Director, Fellowship Program
Associate Program Director, Department of Medicine

David A. Drew, MD, MS
Assistant Professor of Medicine

Scott J. Gilbert, MD
Professor of Medicine
Professor, Tisch College, Tufts University
Director, Fellowship Program

Craig E. Gordon, MD, MS
Associate Professor of Medicine

Nitender Goyal, MD
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Director, Kidney Transplant Program

Lesley A. Inker, MD, MS, FRCP(C)
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Director, Kidney Blood Pressure Center
Director, Kidney Function Evaluation Center
Director, Quality Improvement
Alin A. Joseph, MD, MS  
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Associate Medical Director, DCI Ball Square

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Dean for Student Affairs, TUSM

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Medical Director, DCI Boston and DCI Ball Square  
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Associate Professor of Medicine

Ronald D. Perrone, MD  
Professor of Medicine  
Professor, Tufts Clinical and Translational Science Institute (CTSI)

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Associate Professor of Pathology and Medicine

Daniel E. Weiner, MD, MS  
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Martin Wagner, MD, MS  
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Würzburg, Germany

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Distinguished Professor  
Special Assistant to the Dean, TUSM

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Geneva Tucker, MBA  
Division Administrator  
William B. Schwartz Division of Nephrology, Pratt Medical Group  
Division of Palliative Care, Pratt Medical Group  
Nephrology and Hypertension, Concord, and Pratt Medical Group  
Nephrology at Mystic Medical Group, Medford

Krista Boisclair, MS  
Research Administrator III  
Senior Administrator for the Tufts Center for Integrated Management of Antimicrobial Resistance

Faculty Descriptions

**MARK J. SARNAK, MD, MS, FASN**

Dr. Sarnak is Chief of the Division of Nephrology and Professor of Medicine at Tufts University School of Medicine. His *research* focuses on cardiovascular disease and its risk factors in CKD, aging and kidney disease, cognitive function and CKD, and novel biomarkers of CKD. Dr. Sarnak’s research is funded by the NIDDK and the National Institutes of Aging (NIA). Dr. Sarnak’s *clinical specialties* are in cardiovascular disease in patients with kidney disease, management of CKD, dialysis, hypertension, kidney transplantation, and kidney stones. Dr. Sarnak recently chaired the Kidney Disease Improving Global Outcomes (KDIGO) Controversies Conference for Coronary Artery Disease and Valvular Disease in Kidney Disease and was a member of the Steering Committee for both the KDIGO Controversies Conference on Heart Failure in CKD and Blood Pressure in CKD. He is currently a member of the KDIGO Kidney Blood Pressure Guideline Update that is taking place in 2019-2020. In 2014, he received Shaul Massry Distinguished Lecture Award from the National Kidney Foundation. He is also the recipient of the Distinguished Faculty Award from Tufts University School of Medicine.
Andrew S. Levey, MD
Dr. Levey is Professor of Medicine and Dr. Gerald J. and Dorothy R. Friedman Professor Emeritus at Tufts University School of Medicine and Chief Emeritus, William B. Schwartz Division of Nephrology at Tufts Medical Center.

Dr. Levey’s research interests include measurement and estimation of kidney function and epidemiology of chronic kidney disease (CKD). Dr. Levey has a long history of participating in multicenter clinical trials and cohort studies. For the past 20 years, he has been at the forefront of the development of equations to estimate glomerular filtration rate (GFR) from serum creatinine, cystatin C, and novel filtration markers using large databases, including the widely-used Modification of Diet in Renal Disease (MDRD) Study and Chronic Kidney Disease Epidemiology Collaboration (CKD-EPI) equations. He is the founding director of CKD-EPI and is a founding member of the Chronic Kidney Disease Prognosis Consortium (CKD-PC). The use of GFR estimating equations to estimate kidney function and inform prognosis has transformed research, clinical practice, and public health in CKD.

Dr. Levey is a widely recognized authority on clinical practice guidelines in CKD and has contributed to guideline development, implementation, quality improvement, and public policy in this area. He was Principal Investigator of the Division’s NIDDK-supported training grant (T32) in clinical trials, epidemiology, and outcomes research from 1999-2018. He was Editor-in-Chief of the American Journal of Kidney Diseases from 2007-2016.

He received the Distinguished Faculty Award from TUSM in 2004 and the Distinguished Alumnus Award from Boston University School of Medicine in 2013. The National Kidney Foundation honored him with the President’s Award in 1998, the Garabed Eknoyan Award in 2002, and the David W. Hume Award in 2011. The American Society of Nephrology honored him with the Belding H. Scribner Award in 2013. He was elected to the Association of American Physicians in 2016. The European Renal Association/European Dialysis and Transplant Association will appoint him as an Honorary Member in 2020. He also has been recognized by Thomson Reuters and Clarivate as a highly cited researcher (top 1% most cited works in the field) yearly since 2014.

Vaidyanathapuram S. Balakrishnan, MBBS, MD, FRCP (UK)
Dr. Balakrishnan is Chief of Nephrology at St. Elizabeth’s Medical Center (SEMC). His clinical and translational research interests have been in the areas of inflammation, biocompatibility, and oxidative stress in hemodialysis; and genetic factors and mitochondrial DNA injury and function in chronic kidney disease. Over the past three years, Dr. Balakrishnan has led quality improvement initiatives at SEMC pertaining to anemia management in ESRD, immunization, vascular access monitoring, and CRRT. Dr. Balakrishnan is an Associate Professor of Medicine at TUSM and a faculty member of the Tufts University Graduate School of Biomedical Sciences.

Michael B. Cohen, MD
Dr. Cohen practices primarily at MelroseWakefield Hospital. He consults in both the inpatient and outpatient settings on the care of patients with kidney disease, hypertension, and those treated with hemodialysis and peritoneal dialysis. Dr. Cohen is Associate Medical Director at DCI Ball Square and Medical Director of the acute dialysis program at MelroseWakefield Healthcare. He is also involved with teaching medical students, residents, and fellows in nephrology.

Taimur Dad, MD, MS
Dr. Dad joined the Division faculty in 2018 as an Assistant Professor at Tufts University School of Medicine and the Associate Director, Nephrology Fellowship. He graduated from Johns Hopkins University School of Medicine in Baltimore in 2011 followed by completing both his Internal Medicine Residency and Chief Residency at Tufts Medical Center in June 2015. He then participated in the Nephrology Fellowship at Tufts Medical Center during which he completed a Master’s in Clinical and Translational Research from the Sackler School of Graduate Biomedical Sciences at Tufts University. In July 2019 he became the Associate Program Director for Internal Medicine at Tufts Medical Center, a coach for 10 TUSM students who Dr. Dad will follow and “coach” through their 4 years of medical school and be involved in team-based educational activities, and the co-course director for the Clinical Reasoning course taught to TUSM medical students during their pre-clinical training years.
His research thus far has focused on the evaluation of patient experience in dialysis. His clinic is located at the offsite practice at Lawrence Memorial Hospital in Medford. Additionally, he attends on both the nephrology ward and consult inpatient services at Tufts Medical Center.

**DAVID A. DREW, MD, MS**

Dr. Drew joined the Division of Nephrology in 2015 after completing his clinical and research nephrology fellowship at Tufts Medical Center. He is currently an Assistant Professor of Medicine with the majority of his effort focused on clinical research. At present, he is supported by a K23 award (Principal Investigator) from the NIDDK that examines the role of FGF-23 and klotho with cognitive impairment and stroke in patients with kidney disease and by a R21 award (co-investigator) examining if intravenous iron can be used as a contrast agent to obtain high resolution magnetic resonance images of the kidney. His overall research focus is on mineral metabolism (in particular the utility of FGF-23 and klotho as biomarkers), cognitive impairment, and vascular disease and how these conditions impact patients with chronic kidney disease. He has ongoing research projects with several large clinical cohorts including SPRINT, Health ABC, and CRIC. Prior support includes a Ben J. Lipps research fellowship from the American Society of Nephrology (2012-2014) and a pilot award from the NIH-funded CKD Biomarkers Consortium (2017-2018). Dr. Drew is the Associate Editor of *Kidney Medicine*, a journal started in 2018 by the National Kidney Foundation. Dr. Drew is also a co-investigator with several ongoing clinical trials being conducted at Tufts Medical Center.

His clinical practice is primarily at Tufts Medical Center, providing outpatient and inpatient care in general nephrology. He has a clinical interest in patients with glomerular disease and patients with monoclonal gammopathy of renal significance, the latter of which he participates in a multi-specialty clinic with hematology.

**SCOTT J. GILBERT, MD, FASN**

Dr. Gilbert is the Director of the Fellowship Training Program and coordinates house staff nephrology education. At Tufts Medical Center, he oversees resident rotations on the inpatient Ward and Consult Services, and in the outpatient Kidney and Blood Pressure Center (KBPC). At TUSM, Dr. Gilbert is course director of the 2nd year course From Health to Disease, leader of the Renal section, and coordinates the 4th year Consultative Nephrology elective. Dr. Gilbert directs the required Objective Structured Clinical Examination for all 3rd year students. He sits on the steering committees for the Learning Communities, the Community Service Requirement, and the Educational Strategic Planning. Dr. Gilbert’s other educational activities include teaching Renal Pharmacology at the Tufts University Graduate School of Biomedical Sciences and the Renal Section of Nutritional Biochemistry and Physiology in the Friedman School of Nutrition. Dr. Gilbert is active in pre-medical mentoring at Tufts University, and is faculty advisor of MAPS (Minority Association of Pre-medical Students), an organization for under-represented minorities with an interest in the health professions, and KDSAP (Kidney Disease Screening and Awareness Program), a student-run organization that provides blood pressure, blood glucose, and urinalysis screening in underserved communities in the Greater Boston area. In 2019, he became a coach for 10 TUSM students who he will follow and “coach” through their 4 years of medical school and be involved in team-based educational activities. Dr. Gilbert is co-Editor of the Primer on Kidney Diseases, and chair of the ASN Workforce and Training Committee. His clinical interests are the treatment of CKD, renal artery stenosis, hemodialysis, and transplantation. Dr. Gilbert is a Professor of Medicine at TUSM.

**CRAIG E. GORDON, MD, MS**

Dr. Gordon returned to Tufts Medical Center in 2018 after 10 years at Boston Medical Center where he was an Associate Professor Medicine and served as the Training Program Director for the Nephrology Fellowship. Dr. Gordon serves in a variety of teaching roles at Tufts MC including developing a novel Integrated Cases course for second year medical students. In 2019, he became a coach for 10 TUSM students who he will follow and “coach” through their 4 years of medical school and be involved in team-based educational activities. Dr. Gordon also served as the Associate Director of the Evidence Review Team and Assistant Project Director for the 2018 Update to the KDIGO clinical practice guidelines on hepatitis C virus (HCV) in chronic kidney disease and the upcoming KDIGO clinical practice guidelines on the Care of the Kidney Transplant Candidate. Dr. Gordon’s clinical/research interests focus on HCV in patients with CKD, polycystic kidney disease, thrombotic microangiopathy (TMA), and he has developed a multidisciplinary TMA team at Tufts MC. Additionally, Dr. Gordon evaluates patients in the Center for Polycystic
Kidney Disease, potential kidney transplant donors and recipients in the transplant clinic and is involved in the management of patients with all forms of glomerulonephritis through the newly formed Center for Glomerular Disease at Tufts Medical Center. Dr. Gordon also serves as Associate Editor of Kidney Medicine, a journal of the National Kidney Foundation. Dr. Gordon is a Associate Professor of Medicine at TUSM.

Nitender Goyal, MD  
Dr. Goyal joined the Division in 2016 after completing his nephrology training at Tufts Medical Center and transplant nephrology training from University of Minnesota Medical Center. In 2017, he assumed the role Medical Director of Kidney Transplantation. Dr. Goyal primarily provides care for kidney transplant recipients and kidney donors. His research interest includes long-term kidney allograft outcomes and donor outcomes. He is an Assistant Professor of Medicine at TUSM.

Lesley A. Inker, MD, MS, FRCP(C)  
Dr. Inker’s primary research interests are in kidney function measurement and estimation, endpoints for clinical trials of kidney disease progression, and epidemiology, outcomes, and practice management related to CKD. She is the co-principal investigator of CKD-EPI, a collaborative effort with the NIDDK to use pooled individual patient data to address central questions in the epidemiology of CKD, including developing improved GFR estimation equations and evaluating surrogate endpoints for kidney disease progression in clinical trials (http://ckdepi.org/). As part of this later work, she led the analytical team to evaluate alternative albuminuria and estimated GFR based outcome as part of an FDA-EMA-NKF scientific workshop held March 2018 (https://www.kidney.org/CKDEndpoints), and is very active in continuing investigations in this field. Dr. Inker is currently investigating novel markers for estimation of GFR, prognosis of adverse outcomes in patients with CKD, is a co-investigator on the Chronic Kidney Disease Biomarker Consortium (Bio-Con), a collaborative effort with the NIDDK to develop and validate novel biomarkers for chronic kidney disease, and investigation of medication induced adverse events in CKD as co-principal investigator on a NIDDK funded grant. She is the site principle investigator for trials in Alport syndrome (https://www.tuftsmedicalcenter.org/ClinicalTrials/Search?q=&area=Alports+Syndrome&dept=&gender=&age=) and IgA nephropathy (https://www.tuftsmedicalcenter.org/ClinicalTrials/Nephropathy-1183952?q=&area=&dept=&gender=&age=). Dr. Inker is the inaugural chair of the steering committee for the NKF Patient Network, the first national kidney disease patient registry (https://www.kidney.org/nkf-patient-network). Dr. Inker’s clinical interests are general nephrology, GFR measurement and estimation, detection and treatment of CKD, geriatric nephrology, HIV-associated kidney disease, glomerular disease, Alport syndrome, monoclonal gammopathy of renal significance and pregnancy and kidney disease. She is the Director of the Kidney and Blood Pressure Center, the Kidney Function Evaluation Center, and Quality Improvement. She recently joined the Medical Advisory Board for the Alport Syndrome Foundation (https://www.alportsyndrome.org/about-us/medical-advisory-committee/).

Bertrand L. Jaber, MD, MS, FASN, FNKF  
Dr. Jaber is Chair of Medicine at St. Elizabeth’s Medical Center (SEMC). His prior clinical and translational research efforts focused on the utility of genetic and biomarkers for the prediction and severity of acute kidney injury, early detection and adverse clinical outcomes. He has also conducted meta-analyses on preventive and treatment strategies for acute kidney injury and chronic kidney disease, including the role of more frequent dialysis. More recently, Dr. Jaber has been leading and implementing quality of care initiatives at St. Elizabeth’s Medical Center aimed at improving population health, with a focus on preventive health, management of at-risk populations, care coordination, and patient experiences of care. Dr. Jaber is a Professor of Medicine at TUSM and a faculty member of the Tufts University Graduate School of Biomedical Sciences.

Alin A. Joseph, MD, MS  
Dr. Joseph earned her MD from Drexel University’s College of Medicine and her MS from Tufts University. She completed her internal medicine residency (2011) and clinical-research fellowship in nephrology (2014) at Tufts Medical Center. She then joined the Tufts Medical Center Division of Nephrology as a member of the clinical staff. Her nephrology practice is primarily in the outpatient setting at the Pratt Medical Office in Concord, MA. She also provides care to outpatients at Lawrence Memorial Hospital in Medford, MA. In 2018, Dr. Joseph assumed the role of
Amy B. Kuhlik, MD
Dr. Kuhlik is the Dean for Student Affairs at TUSM. She maintains a clinical practice within the Division by holding one half-day clinic a week and also attending on the nephrology consult service several weeks a year. Dr. Kuhlik’s clinical specialties are CKD, pregnancy, and polycystic kidney disease.

Eduardo Lacson, Jr., MD, MPH, FACP, FASN
Dr. Lacson is an Adjunct Associate Professor of Medicine at Tufts University School of Medicine. His research interest covers late CKD and ESRD, with focus on care quality, quality improvement, and patient safety. His work covers epidemiological studies, translational research, and clinical performance measurement in health policy. He has served on multiple CMS Technical Expert Panels in dialysis care and international KDIGO consensus conferences. Dr. Lacson is currently Senior Medical Director for Clinical Science and Quality Initiatives for DCI and is a representative on several committees (Non-Profit Kidney Care Alliance, the Kidney Health Initiative, and a delegate of the CDC Making Dialysis Safer Coalition); a member of the ASN National Transforming Dialysis Safety QAIE Committee; and a member of the editorial board of the American Journal of Kidney Diseases. He developed and implemented the course in Quality Improvement for nephrology fellows since academic year 2016-2017. He is the editor of the inaugural edition of the NephSAP on prevention and control of infections in outpatient hemodialysis units released in 2019. He is co-chair of the Kidney Health Initiative workgroup elucidating cramping as a patient reported outcome and a member of the workgroup on data standards.

Nicolaos E. Madias, MD, FASN
Dr. Madias is the Maurice S. Segal, MD Professor of Medicine at TUSM and the Academic Dean of TUSM at SEMC. Dr. Madias is interested in the broad field of acid-base and electrolyte metabolism. He is pursuing projects on various acid-base disorders, the epidemiology and management of dysnatremias, and the role of sodium and potassium in the pathogenesis of hypertension.

Klemens B. Meyer, MD
Dr. Meyer is Director of Dialysis Services at Tufts Medical Center, Medical Director at DCI Boston and DCI Ball Square, Associate Medical Director at DCI Walden Pond and Professor of Medicine at TUSM. Dr. Meyer’s clinical interests are CKD and dialysis. His teaching interests involve the techniques of interpersonal care and end-of-life care. Dr. Meyer’s research interests are dialysis informatics, the measurement of patient experience, and the quality of care. He is also actively involved in data-driven quality improvement activities. In his capacity as DCI’s Medical Director for Information Systems, Dr. Meyer participates in the development and operations of both medical and business information systems. Dr. Meyer participated in the leadership of the ESRD Network of New England for 2 decades and served as President of the Board of Directors of the National Forum of ESRD Networks. He is a member of the Renal Disease and Detoxification Committee of the Association for the Advancement of Medical Instrumentation. In 2014, Dr. Meyer received the TUSM Distinguished Faculty Award. In 2016, he received the Nancy Johnson Heart Award from DCI.

Dana C. Miskulin, MD, MS, FRCP(C)
Dr. Miskulin’s research interests include hypertension and fluid management in hemodialysis patients and interventions to slow polycystic kidney disease. Her clinical interests are in general nephrology and polycystic kidney disease. She collaborates closely with DCI’s Quality Management group and has published pivotal trials in dialysis. In 2018, she published a highly regarded paper on blood pressure assessment in hemodialysis patients in the Journal of the American Society of Nephrology. Dr. Miskulin is an Associate Professor of Medicine at TUSM.

Ronald D. Perrone, MD, FASN, FNKF
Dr. Perrone has a long-standing and wide-ranging interest in translation of basic science discoveries to clinical medicine. Starting with a laboratory focused on epithelial transport, he subsequently focused on work with
immortalized epithelia including human intrahepatic biliary epithelium, human polycystic liver cysts, and human bladder. His present work focuses on clinical research in polycystic kidney disease and the role of total kidney volume as a biomarker in response to clinical therapies. Dr. Perrone was a member of the Scientific Advisory Committee of the Polycystic Kidney Disease Foundation from 1999 to 2016 (Chairman from 2006-2010) and frequently lectures at national and local patient meetings. He served as Co-Investigator with Dr. Levey in the pilot and planning phases (Phase I and II) of the MDRD study and played a fundamental role in the validation and use of the $^{125}$I-iothalamate protocol used for the MDRD and other clinical trials of progressive kidney disease.

Dr. Perrone had a major role in global and national clinical trials for ADPKD. He served as site PI and member of the steering committee for the TEMPO 251 and REPRISE studies of tolvaptan in ADPKD. Dr. Perrone was site PI and member of the steering committee for the NIDDK-sponsored HALT PKD study. Dr. Perrone and colleagues at the University of Maryland, Baltimore, and the University of Pittsburgh received a 5-year grant from the Department of Defense to study metformin as a clinical intervention in ADPKD (TAME PKD). This trial has completed its recruitment goals and will continue for another year. Dr. Perrone is co-Principal Investigator and co-chair of the steering committee for the Sanofi PKD trial of venglustat (STAGED-PKD), site PI of the Kadmon PKD trial of tesevatinib, and site PI of the Reata PKD trial of bardoxolone (Falcon).

Over the past 10 years, Dr. Perrone has been integral to the formation of the PKD Outcomes Consortium and has been the principal individual involved in bringing together the contributors from academia, pharma, NIH, FDA, CDISC, and C-Path. He has led this large and diverse consortium that is creating the groundwork for validation of total kidney volume as a clinical trial and regulatory endpoint in ADPKD. This consortium created a CDISC SDTM therapeutic area data standard for ADPKD, which is freely available for use for clinical trials and registries of ADPKD (http://www.cdisc.org/therapeutic#polycystickidneydisease). Total kidney volume has been approved as a clinical enrichment biomarker for inclusion of subjects in clinical trials of ADPKD by both the US Food and Drug Administration (http://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/UCM458483.pdf) and the European Medicines Agency (http://www.ema.europa.eu/docs/en_GB/document_library/Regulatory_and_procedural_guideline/2015/07/WC500190205.pdf). Dr. Perrone’s goal, enhanced by prior experience in epithelial biology, clinical trials, dietary modification, and translation of basic discoveries to clinical care, is to improve outcomes in chronic kidney disease, particularly polycystic kidney disease.

Dr. Perrone was the Transplant Medical Director at Tufts Medical Center for many years, a position that transitioned to Dr. Goyal in October 2017. Dr. Perrone is the Scientific Director of the Clinical and Translational Research Center (CTRC), under the auspices of the Tufts Clinical and Translational Science Institute. The CTRC is the main site for clinical research studies at Tufts Medical Center. His role is to provide scientific leadership and facilitate research activities in the CTRC.

**Monika Pilichowska, MD, PhD**

Dr. Pilichowska’s primary appointment is in the pathology department at Tufts Medical Center. She is board certified in Anatomic and Clinical Pathology and Hematopathology and is a member of the Renal Pathology Society. Dr. Pilichowska has a special interest in kidney diseases and interprets kidney biopsies in patients with medical kidney disease and kidney transplants. She conducts a kidney biopsy conference at regular intervals for Division members. Her current research studies include renal involvement in lymphoproliferative disorders, autoreactive B-cell clones in systemic lupus erythematosus, and IgA nephropathy.

**Michelle M. Richardson, PharmD, BCPS, CPXP**

Dr. Richardson is a member of the Special and Scientific Staff. Her research and programmatic interests involve assessing patient-based outcomes of health-related quality of life (HRQOL) and patient experience in patients with kidney disease. Since 1994, she has directed the Outcomes Monitoring Program (OMP) for DCI. The OMP was the first program of its kind to routinely use patient-reported outcomes in clinical care. In 2017, Dr. Richardson co-chaired the Patient-reported Outcome Technical Expert Panel convened by the University of Michigan Kidney Epidemiology and Cost Center and the Center for Medicaid and Medicare Services. In 2019, she was asked to co-chair the ASN Kidney Health Initiative workgroup elucidating cramping as a patient reported outcome. She is also the
Director of Communications, produces this Annual Report and maintains the Division’s web site.

**Daniel E. Weiner, MD, MS, FASN, FNKF**

Dr. Weiner’s current research focuses on advanced kidney disease and dialysis care. Working with DCI, he is leading a large pragmatic trial of oral protein supplement use in hemodialysis patients, called the HELPS-HD Study; this trial has enrolled more than 10,000 participants nationally and will be completed in 2020. Additional research evaluates the effect of traditional and non-traditional cardiovascular disease risk factors on cerebrovascular and cardiovascular disease outcomes, including cognitive function in people with kidney disease, patient experience in dialysis, patient decision making in advanced CKD, and advanced heart failure therapies in people with CKD.

Dr. Weiner, in collaboration with Dr. Keren Ladin at Tufts University, is the co-principal investigator on a mixed methods clinical trial evaluating decision making in advanced CKD, funded by PCORI. He is the past recipient of an R01 from the NIDDK to investigate the role of exercise in people with advanced kidney disease, including factors by which exercise may improve physical and cognitive health. Previously, he received a Carl W. Gottschalk Research Scholar Grant from the American Society of Nephrology and a K23 Career Development Award from the NIDDK. Additionally, he led Tufts’ involvement in the multicenter NIH-funded Systolic Blood Pressure Intervention Trial (SPRINT), which helped elucidate the appropriate blood pressure goal for antihypertensive treatment in non-diabetic adults. He has been an investigator in major trials of SGLT2 inhibitors in diabetic kidney disease at Tufts. He is collaborating with public health researchers from Boston University and George Washington University to investigate CKD among workers in rural Nicaragua.

Dr. Weiner is the Associate Medical Director of DCI Boston and is the Medical Director of Clinical Research for DCI. In 2018, Dr. Weiner became the inaugural editor of the National Kidney Foundation journal, *Kidney Medicine*. From October 2006 to December 2016, Dr. Weiner was the Deputy Editor of the *American Journal of Kidney Diseases* and he currently is AJKD’s Policy Forum editor. Dr. Weiner is the co-Editor of the National Kidney Foundation’s *Primer on Kidney Diseases*, 6th, 7th and the upcoming 8th editions. Dr. Weiner is currently the recent past chair of the American Society of Nephrology Quality Committee and represents the ASN at Kidney Care Partners. He was the chair of the 2016 Program Committee for the NKF Spring Clinical Meeting, a member of the 2015 NKF KDOQI Hemodialysis Guideline update workgroup, a member of NKF controversies conferences on uric acid in kidney disease and on home dialysis, and a member of the KDOQI workgroup commenting on recently released blood pressure guidelines. He has participated in several KDIGO workshops in 2018 and 2019, discussing controversial issues in dialysis and in cardiovascular diseases in people with kidney disease. He was awarded the ASN’s Distinguished Midcareer Leader Award in November 2019.

Dr. Weiner’s clinical specialties are general nephrology, hypertension, and home and in-center dialysis. Dr. Weiner was the past Chair of the Curriculum Committee at TUSM. He was promoted to Associate Professor in 2014.

**Seth Wright, MD, MS**

Dr. Wright joined the Division as clinical staff in 2013 and is the Director of Continuing Medical Education. His clinical practice is primarily at Tufts Medical Center, providing outpatient and inpatient care for issues of general nephrology and internal medicine. His research focuses on the medical issues facing patients undergoing long-term outpatient dialysis, including infections. He has been the recent recipient of many teaching awards. In 2018, he received the Outstanding Teaching in the Clerkship Years Award from TUSM students.

**Division Staff**

Members of the support staff sustain the Division’s administrative, clinical, and research operations. Geneva Tucker, the Division Administrator, supervises about 22 personnel in the Division. The support personnel are diverse and each staff member brings specialized knowledge and skills to their respective positions. All administrative and clinical staff function as teams supporting operations and each other. Personnel are cross-trained, enabling each team to support day-to-day operations and each other, when
the need arises. The ambulatory support staff works very closely with our physicians, fellows, staff nurse, physician assistants, and transplant nurse practitioners to provide high-quality care and customer service to our patients. The Division Administrator also provides administrative support to the Division’s Fellowship program, currently staffed as 7 Clinical and Clinical Research/Training Grant full-time equivalents.

**Administrative Support Staff**

<table>
<thead>
<tr>
<th>Staff Member</th>
<th>Position</th>
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</thead>
<tbody>
<tr>
<td>Nicole Collado</td>
<td>Manager, Education Programs</td>
</tr>
<tr>
<td>Lorna Davies</td>
<td>Administrative Coordinator</td>
</tr>
</tbody>
</table>

**Pratt Medical Group Nephrology and Hypertension, Concord**

<table>
<thead>
<tr>
<th>Staff Member</th>
<th>Position</th>
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</thead>
<tbody>
<tr>
<td>Sharyn Moussawee</td>
<td>Administrative Coordinator</td>
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</tbody>
</table>

**Kidney and Blood Pressure Center Staff**

<table>
<thead>
<tr>
<th>Staff Member</th>
<th>Position</th>
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</thead>
<tbody>
<tr>
<td>Alyson (Aly) Carey, MS, PA-C</td>
<td>Physician Assistant</td>
</tr>
<tr>
<td>Antonia Correia</td>
<td>Practice Coordinator</td>
</tr>
<tr>
<td>Dawa Dolma, CMA</td>
<td>Medical Assistant/Practice Coordinator</td>
</tr>
<tr>
<td>Alison Kaprove, MS, PA-C, CAQ</td>
<td>Physician Assistant</td>
</tr>
<tr>
<td>Qina Li, CMA</td>
<td>Medical Assistant/Practice Coordinator</td>
</tr>
<tr>
<td>Francisca Martinez</td>
<td>Clinic Supervisor</td>
</tr>
<tr>
<td>Jenny Moy</td>
<td>Practice Coordinator</td>
</tr>
<tr>
<td>Laticco Robinson, MPA, PA-C</td>
<td>Physician Assistant</td>
</tr>
<tr>
<td>Alissa Stubinski, MS, PA-C</td>
<td>Physician Assistant</td>
</tr>
<tr>
<td>Christine Sullivan, MPA, PA-C, CAQ</td>
<td>Physician Assistant</td>
</tr>
<tr>
<td>Finna Tam</td>
<td>Practice Coordinator</td>
</tr>
<tr>
<td>Veronika Testa, RN</td>
<td>Staff Nurse</td>
</tr>
</tbody>
</table>

**Research Support Staff (i.e., Assistants, Associates, & Statisticians)**
Research Administration

Krista Boisclair, MS Research Administrator III and the Senior Administrator for the Tufts Center for Integrated Management of Antimicrobial Resistance, under the supervision of Director of Research Administration for the Department of Medicine, is responsible for assisting investigators and research staff in all aspects of managing grants and coordinating research activities of the Division. Research activities of the Division are discussed in more detail starting on page 41.

2019 Faculty and Staff Changes

Faculty Changes

- Dr. Dad was appointed as the Associate Program Director in the Department of Medicine.
- Dr. Gordon’s academic title was changed from Visiting Associate Professor to Associate Professor of Medicine at TUSM.
- Dr. Balakrishnan was appointed Chief, Division of Nephrology and Director, Dialysis Services at St. Elizabeth’s Medical Center.
- Dr. Jaber was appointed Chair, Department of Medicine at St. Elizabeth’s Medical Center. Previously he was Interim Chair and Vice Chair of the Department.

<table>
<thead>
<tr>
<th>Staff Member</th>
<th>Position</th>
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<tbody>
<tr>
<td>Arushi Agarwal</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Juhi Chaudhari</td>
<td>Clinical Research Associate I</td>
</tr>
<tr>
<td>Sara Couture</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Laura Diamond</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Victoria Himaras</td>
<td>Clinical Research Coordinator III</td>
</tr>
<tr>
<td>Raabia Malik</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Leah Meyer</td>
<td>Clinical Research Coordinator I</td>
</tr>
<tr>
<td>Riley Marotta</td>
<td>Research Assistant I</td>
</tr>
<tr>
<td>Jonathan (Shiyuan) Miao</td>
<td>Clinical Research Associate II</td>
</tr>
<tr>
<td>Lucy Ren</td>
<td>Clinical Research Coordinator I</td>
</tr>
<tr>
<td>Carly Tucker</td>
<td>Clinical Research Coordinator III</td>
</tr>
<tr>
<td>Victoria Wang</td>
<td>Clinical Research Coordinator I</td>
</tr>
</tbody>
</table>

Staff Changes

Research

- Krista Boisclair was appointed as the Senior Administrator for the Tufts Center for Integrated Management of Antimicrobial Resistance (CIMAR), along with maintaining her Division-based research administration responsibilities.
After more than 3 years working on PKD research studies and registry, Carly Tucker transferred to the compliance department and is working as a Clinical Research Compliance Specialist. Victoria Himaras replaced Carly as a clinical research coordinator for PKD research studies. Victoria hails from Swampscott and earned a MS in Health and Wellness Management at Merrimack College which included a graduate fellowship at the Tufts USDA Human Nutrition Research Center on Aging.

**Clinical**

- **Geneva Tucker** was promoted to Division Administrator after 7 years as the Business Operations Manager. She also took on the Division Administrator role for the Division of Palliative Care.
- **Christine Sullivan, PA-C** accepted a new position at Mill City Medical Group in Lowell MA.

- Two new PAs have been hired to work in the KBPC. Alyson (Aly) Carey is originally from Dudley MA and recently graduated from Johnson and Wales University In RI and Alissa Stubinski is originally from Saco ME and graduated from the TUSM PA program.
- **Antonia Correia** started in August as a new Practice Coordinator in the KBPC. She came to the Division from the Medical Center’s Transportation Department.
- **Linda Lawson, RN** retired from the dialysis program after devoting 40 years of her life to treating patients with kidney failure.
- After 38 years of providing care to our dialysis patients, Jane Maxim, RN Nurse Manager of the Home program for 17 years, announced her retirement which took effect in early 2020.
- **Mary Nguyen, RN** accepted the position of Nurse Manager for Home Dialysis at DCI Ball Square in Somerville. Mary has been a valued member of the home treatment program for 5 years. She assumed her new responsibilities after her return from maternity leave on March 1, 2020.

**Service**

**Service to Tufts Medical Center**

- Dr. Dad is a member of the Tufts Medical Center Patient Experience Committee.
- Drs. Dad and Gilbert are members of the Graduate Medical Education Committee.
- Dr. Drew is a member of the Tufts Health Sciences Campus Investigational Review Board.
- Dr. Gilbert serves on the Internal Medicine Residency Clinical Competency Committee, the Internal Medicine Residency Curriculum Committee, and in 2017 he was appointed to the Graduate Medical Education Accreditation Subcommittee.
- Drs. Gilbert, Sarnak, and Weiner are members of the Tufts Medical Center Internal Medicine Residency Selection Committee.
• Dr. Inker is a member of the Quality of Care Committee and Care Improvement Council and the Ambulatory Patient Safety Task Force.
• Dr. Perrone is the Scientific Director of the Clinical and Translational Research Center (CTRC). Dr. Weiner is a Portal Navigator for the Tufts Clinical and Translational Science Institute (CTSI). Dr. Jaber is a member of the CTSI Steering Committee. Dr. Sarnak is a member of the CTSI Scientific Training and Review Committee.
• Drs. Sarnak and Weiner are members of the Clinical Research Program Advisory Committee for the Fellowship Program in the Institute for Clinical Research and Health Policies in the Division of Clinical Care Research.
• Dr. Sarnak is a member of the Physician Trustee Selection Committee.

**Service to Tufts University/TUSM/Tufts University Graduate School of Biomedical Sciences**

• Dr. Gilbert serves on the Learning Community Steering Committee and the Community Service Learning Effort Steering Committee, and the Educational Strategic Planning II Steering Committee.
• Dr. Gilbert chairs the Objective Structured Clinical Examination Committee, the Curriculum Integration Committee, the Pre-Clinical Course Directors Committee, and the Educational Strategic Planning II Renal Course Committee.
• Dr. Gilbert is the faculty advisor for the Tufts University Kidney Disease Screening and Awareness Program and the Minority Association of Pre-Health Students. Dr. Weiner participated in their Annual Symposium discussing careers in kidney disease care.
• Dr. Jaber is a member of the Committee on Committees and an ad hoc Member of a Subcommittee of the Clinical Faculty Appointment and Promotion Committee.
• Dr. Weiner is a member of the Tufts University Graduate School of Biomedical Sciences Programs and Faculty Committee.

**Service to Professional Organizations**

• Dr. Gilbert is a member of the Panel for Accreditation Appeals in Nephrology Accreditation Council for Graduate Medical Education. Dr. Gilbert also serves on many ASN committees: Nephrology Training Program Directors Executive Committee, William and Sandra Bennett Clinical Scholars Grant Committee, Mentor-Mentee Education Resources Project, and the Match Oversight Task Force. He also co-chaired the 2019 Nephrology Training Program Directors Retreat and chairs the Workforce and Training Committee along with the Executive Committee.
• Dr. Inker is chair of the International Classification of Disease in the United States and a member of the Renal Working Group for development of 11th version of the International Classification of Diseases Committee for the World Health Organization.
• Dr. Inker is a member of the National Institute for Diabetes, Digestive and Kidney Disease (NIDDK) National Kidney Disease Education Program, Laboratory Work Group.
• In 2019, Dr. Inker was appointed to the Medical Advisory Committee of the Alport Syndrome Foundation.
In 2019, Dr. Inker was named the Chair of the Steering Committee of the newly formed NKF Patient Network, the first-ever national registry for CKD patients. For 2 years, ending in 2019, she was Chair, Scientific Advisory Board for National Kidney Foundation CKD Patient Registry.

In 2019, Alison Kaprove, PA-C was a member of the 2019 NKF Spring Clinical Meeting Planning Committee for the Nephrology Advanced Practitioner Program.

Dr. Lacson is a member of the ASN National Transforming Dialysis Safety QAIE Committee.

Dr. Lacson is DCI’s representative on the following committees: Kidney Health Initiative, Non-Profit Kidney Care Alliance, and the CDC Making Dialysis Safer Coalition.

Dr. Meyer is the Medical Director for the DCI Information Systems and the Outcomes Monitoring Program. He is also a member of the Medical Information System Steering Committee.

Dr. Meyer is a member of the Renal Disease and Detoxification Committee for the Association for the Advancement of Medical Instrumentation, the American Association of Kidney Patients Medical Advisory Board, and the USRDS Expert Advisory Committee.

Dr. Meyer is a member of the Technical Expert Panel convened by Acumen, LLC on behalf of the Centers for Medicare & Medicaid Services regarding data collection on composite rate items and services offered by the End Stage Renal Disease Prospective Payment System.

Dr. Perrone is Co-Executive Director of the Polycystic Kidney Disease Outcomes Consortium.

Dr. Perrone is chairman of the External Advisory Committee for the Kansas University PKD Core Center and chairman of the External Advisory Committee for the Mayo Translational PKD Center. He is also a member of the External Advisory Committee for the University of Maryland PKD Core Center.

Drs. Perrone and Gilbert are members of the NKF Serving New England Medical Advisory Board.

Ticco Robinson, PA-C was selected by the National Commission on Certification of Physician Assistants to participate in the Standard Setting Meeting for the Nephrology Certification Exam and in follow-up to this meeting as a certification and qualification test writing committee member.

Dr. Richardson is a member of the ESRD Quality Measure Development, Maintenance, and Support Project Functional Status Technical Expert Panel for the University of Michigan Kidney Epidemiology and Cost Center and the Center for Medicaid and Medicare Services.
• Dr. Weiner is a member of the ASN Policy and Advocacy Committee, the ASN Quality Committee and the ASN representative for Kidney Care Partners.
• Dr. Weiner is also a Grant Committee Member of DCI’s Paul Teschan Research Committee, Medical Director of Clinical Research, and a member of the DCI Medical Director Research Committee and Quality Management Committee.

Service in Guideline Development and Controversies Conferences
• Drs. Lacson, Miskulin and Weiner were invited conference participants at the KDIGO Consensus Conference on BP & Volume Management in Dialysis held in Lisbon Portugal.
• Dr. Sarnak co-chaired and Dr. Weiner was an invited conference participant at the KDIGO Controversies Conference on Coronary Artery and Valvular Diseases in CKD held in Vienna Austria.
• Dr. Sarnak is a member of the Steering Committee for the KDIGO Controversies Conference on Blood Pressure in CKD and the KDIGO Blood Pressure Guideline Revision committee.
• Dr. Weiner was a member of the Steering Committee for the KDIGO Blood Pressure and Volume Management in Dialysis Controversies Conference.

Service in Kidney Health Initiative Workgroups
• Drs. Lacson and Richardson co-chair the Kidney Health Initiative Workgroup to Develop Measures for Muscle Cramping in Dialysis Patients to Spur Development of Devices and Medicines for Treating this Vexing Condition.

• Dr. Perrone is a member of the Steering Committee for the Kidney Health Initiative Patient Reported Outcomes Measure for Novel Renal Medical Devices.

2019 Administrative Awards and Honors
• Dr. Weiner received the American Society of Nephrology (ASN) Distinguished Midcareer Leader Award. ASN established the Midcareer Awards Program in 2019 to recognize midcareer clinicians, educators, health professionals, and researchers who have made outstanding contributions to nephrology and/or demonstrated exemplary service to the society. Dan received the award at ASN Kidney Week 2019 in Washington DC.
In April, Dr. Dad completed the Tufts MC Physicians Organization’s (PO) Physician Leadership Program through the Boston University Questrom School of Business. Tufts MC PO selected 20 physicians for this 7-month program that included classes, workshops, and a final project report. The purpose of the program is to focus on topics such as developing and refining leadership skills in physicians, understanding complex healthcare administrative structures, and finances.
2019 Patient Care Initiatives

Kidney Ultrasound
Dr. Seth Wright is spearheading the use of kidney ultrasound as a new patient care initiative offered by the Division. In 2018, he attended the Ultrasound for Nephrologists course and mini-fellowship at Emory University under the tutelage of Dr. Charlie O’Neill.

Bedside or "point-of-care" ultrasound has rapidly become a staple of clinical care in emergency departments, intensive care units, and is expanding into internal medicine practice. Approximately 10-15% of Nephrology training programs have ultrasound as part of their practice or training programs. In 2019, the Division took steps to join this group, having acquired an ultrasound for the clinic. We are currently developing outpatient and inpatient curricula for interested trainees for 2020-2021, under the guidance of a trained faculty member. Potential applications in the outpatient setting include early triage for potential obstruction; basic imaging for pre-biopsy planning; and evaluation of the patency vascular access for dialysis. On the inpatient side, arrangements have been made for nephrology fellows will be able to participate in both the didactic and hands-on training already offered for critical care fellows, including the imaging of standardized patients. This training will facilitate assessment of volume status in critically ill patient, potential sites for temporary dialysis catheter placement, and allow rapid evaluation for urinary obstruction.

Continuing Patient Care Initiatives—Outpatient

Kidney and Blood Pressure Center
Outpatient clinical activities take place primarily in the KBPC, directed by Dr. Inker. There are currently nine half-day-a-week clinics staffed by Drs. Drew, Gilbert, Inker, Kuhlik, Levey, Meyer, Miskulin, Perrone, Sarnak, Weiner, and Wright.

The KBPC emphasizes a multi-disciplinary approach to kidney disease. Collaboration with the Division of Transplant Surgery, Department of Urology, Division of Palliative care, the DCI outpatient dialysis unit, and the Frances Stern Nutrition Center improve the quality of care delivered. The KBPC specializes in the diagnosis and management of CKD, PKD, hypertension, glomerular diseases, monoclonal gammopathy of renal significance (MGRS), advanced heart failure, kidney transplantation, kidney stones, and peritoneal dialysis. Ambulatory blood pressure monitoring, subcutaneous erythropoietin administration and tolvaptan REMS services are offered by the KBPC. We have a dedicated renal dietician, Haewook Han PhD, RD, who sees patients weekly. Quarterly nutrition meetings are held and are open to both patients and family members.

Many clinical studies for patients with CKD occur in the clinic, including studies of polycystic kidney disease, blood pressure target in CKD, Alport syndrome, IgA nephropathy, diabetes, dyslipidemia management in CKD, lupus nephritis (in conjunction with the Division of Rheumatology), transplant immunosuppression, cardiovascular disease in transplantation, computerized assessment of health-related quality of life, genetic predisposition to progression, and kidney function evaluation (see below). Active clinical trials can be found at https://www.tuftsmedicalcenter.org/ClinicalTrials/Search.aspx?q=&area=&dept=Nephrology&gender=&age=

In collaboration with Jane Maxim RN, DCI Ball Square Home Dialysis Nurse Manager and the DCI Ball Square Home Program staff, Veronika Testa, RN holds patient education sessions. The Kidney Replacement
Options Meetings are facilitated discussions held every quarter for CKD Stage 4 and Stage 5 patients who would benefit from open discussion of hemodialysis (center-based vs. home-based), peritoneal dialysis, and kidney transplantation. The meeting is open to both patients and family members.

**Kidney Function Evaluation Clinic**
The Kidney Function Evaluation Center, under the direction of Dr. Inker, is a Boston-wide resource for confirmatory tests for GFR estimated from creatinine. Patients whose estimates of GFR using creatinine are not thought to be accurate are referred to the Center for measurement of GFR using plasma clearance of iohexol. GFR is estimated using both creatinine and cystatin C and a report is sent to the referring physicians providing a complete interpretation of the GFR values. For example, it may be useful in patients who will be undergoing chemotherapy with agents that are cleared by the kidneys, potential kidney donors with high muscle mass who are thought to have falsely low estimated GFR, patients being evaluated for heart transplant, or patients with CKD who have low muscle mass who have symptoms that could be consistent with uremia.

**Center for Polycystic Kidney Disease**
In 2006, Dr. Perrone opened The Center for Polycystic Kidney Disease at Tufts Medical Center (https://www.tuftsmedicalcenter.org/patient-care-services/Departments-and-Services/Nephrology/Clinical-Care-Services/Center-for-PKD.aspx)

This multidisciplinary clinic offers comprehensive, coordinated care for patients with PKD. The Center’s physicians are internationally recognized experts in treating and managing the complications of PKD. In addition to Drs. Perrone, Gordon, and Miskulin and Alyson Carey PA-C of the Division of Nephrology, physicians from transplant surgery, cardiothoracic surgery, urology, neurosurgery, and clinical genetics participate in the Center. Areas of expertise include providing coordinated care for chronic kidney disease including dialysis and transplantation, treatment of hypertension, and evaluation and management of the complications of liver and kidney cysts including chronic pain, kidney stones, and cardiovascular issues including intracranial aneurysms. Dr. Perrone and colleagues are experts in the use of tolvaptan for ADPKD and are all REMS-certified.

Multidisciplinary consultations are provided in collaboration with Gennaro Carpinito, MD, Urologist-in-Chief and Charles M. Whitney Professor and Chairman, Department of Urology; Adel Malek, MD, Chief, Division of Neurovascular Surgery; Jeffrey Cooper, MD, Chief, Transplant Surgery; Sajani Shah, MD, Surgeon, Bariatric and Minimally Invasive Surgery; Michael Tarnoff, MD, Surgeon, Minimally Invasive Surgery Center; and Laurence H. Brinckerhoff, MD, Division of Thoracic Surgery. This center also addresses the complications of PKD resulting in kidney transplants, aneurysm repair, video thorascopic splanchnicectomy (VSPL) for relief of intractable cyst pain and laparoscopic cyst reduction.

The PKD Center holds an outpatient clinic where Drs. Perrone, Miskulin and Gordon and Alyson Carey PA-C see new patients referred specifically for expert advice regarding complications of cystic disease. This clinic meets biweekly and is staffed in rotation by a physician and clinical or research fellows. This clinic provides a unique opportunity for trainees to see the wide range of complications in this disease.

Drs. Perrone, Gordon, and Miskulin also participate in clinical trials for patients with PKD including tesevatinib (Kadmon), TAME (metformin), venglustat (STAGED-PKD, Sanofi) and bardoxolone (Falcon, Reata).
Kidney Transplantation Program
New evaluations of potential kidney transplant recipients are performed in a single morning or afternoon session by a multidisciplinary team consisting of transplant coordinator, transplant nephrologist, transplant surgeon, social worker, dietician, and pharmacist. The Division of Nephrology has established a specific Kidney Transplant follow-up clinic for recent kidney transplant recipients on Tuesday mornings staffed by Dr. Goyal. Potential living donors are also evaluated in one-half day session by Drs. Gordon and Goyal on Mondays and Thursdays. The kidney transplant program has excellent overall outcomes; patient and graft survival rates are well above the national average.

Home Dialysis
The Division of Nephrology treats almost one-third of its dialysis patients by home dialysis. We participate in a regional home dialysis program, directed by Dr. Meyer, which treats about 50 patients by peritoneal dialysis and home hemodialysis at DCI’s Ball Square facility in Somerville. Jane Maxim, RN, who has more than 40 years’ experience in dialysis, the program’s Nurse Manager retired in early 2020. Mary Nguyen, RN assumed the nurse manager position when Jane retired. The nurse manager leads a team of four nurses, a dietician, and a social worker. In addition to English, the nurses speak Cantonese, Mandarin, and Vietnamese. We offer urgent start peritoneal dialysis and respite home hemodialysis and peritoneal dialysis for patients relying on family members to assist with their treatment. The program prides itself on its flexibility, training patients on evenings and weekends when necessary, and making accommodations to minimize the disruption of patients’ lives by dialysis treatment. The nurses have become expert at training the staff of long-term care facilities, and maintaining their skills. The program won DCI’s 2013 Darwin Peterson Award for the best peritoneal dialysis program throughout DCI’s national network of more than 200 dialysis facilities. Drs. Cohen, Joseph, Meyer, Miskulin, and Weiner hold monthly home dialysis clinics at DCI Ball Square and fellows also rotate through the clinics.

Table 3: Outpatient Hemodialysis Programs Affiliated with Tufts Medical Center

<table>
<thead>
<tr>
<th>Location</th>
<th>Dialysis Program</th>
<th>Medical Directors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tufts Medical Center</td>
<td>DCI Boston</td>
<td>Klemens B. Meyer MD, Medical Director</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Daniel E. Weiner MD, MS, Associate Medical Director</td>
</tr>
<tr>
<td>Somerville</td>
<td>DCI Ball Square</td>
<td>Klemens B. Meyer MD, Medical Director</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Michael B. Cohen MD, Associate Medical Director</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Alin Joseph MD, MS, Associate Medical Director</td>
</tr>
<tr>
<td>Concord</td>
<td>DCI Walden Pond</td>
<td>Alin Joseph MD, MS, Medical Director</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Klemens B. Meyer MD, Associate Medical Director</td>
</tr>
</tbody>
</table>

In-center Hemodialysis
Table 3 lists the dialysis programs affiliated with the Division of Nephrology. Since 1986, the dialysis program at Tufts Medical Center has been operated by Dialysis Clinic, Inc. (DCI, www.dciinc.org), a national not-for-profit dialysis organization which sets the national benchmark for quality of care. Recent highlights of our facilities’ performance, as reported by the University of Michigan Kidney Epidemiology and Cost Center in July 2019, include: for 2015-2018, DCI Boston’s Standardized Transplantation Ratio was 2.11, and Standardized Wait List Ratio 2.86, and DCI Ball Square’s Standardized Transplantation Ratio was 2.86; DCI Walden Pond’s Standardized Mortality Ratio was 0.93. For 2018, DCI Boston’s influenza vaccination rate was 87%, and DCI Walden Pond’s 93%. All of these findings were statistically significant (p < 0.05).
DCI Boston

Drs. Meyer and Weiner direct the DCI Boston dialysis program located at Tufts Medical Center. Their predecessors were Dr. John Harrington (approximately 1971-1980), Dr. Levey (1980-1990), and Dr. Paul Kurtin (1990-1992). The DCI Boston in-center hemodialysis facility at 35 Kneeland Street treats approximately 100 patients. The unit operates 5 shifts, including one of the few evening shifts in Greater Boston. Chad Stevenson RN serves as Nurse Manager, and Ferdie Cigaral RN is the Assistant Nurse Manager, Kathleen Murray MSW is the social worker and Poonhar Poon MS, RD is the dietitian. Drs. Meyer’s and Weiner’s offices are adjacent to the dialysis unit, and the other dialysis attending physicians and fellows have offices one floor above. Physical proximity makes frequent patient contact practical and facilitates interaction between physicians and dialysis staff. Physicians round on each patient shift twice a week.

DCI Ball Square (Somerville MA)

Dr. Meyer is the Medical Director and Drs. Cohen and Joseph are the Associate Medical Directors at DCI Ball Square in Somerville. In addition to the large home program, DCI Ball Square treats approximately 85 in-center hemodialysis patients. Dr. Tony Dash opened this program in 1999, and directed it until June 2015, when he relocated to his home town of Seattle WA. Agnes Rawski RN serves as Nurse Manager of the in-center hemodialysis program.

DCI Walden Pond (Concord MA)

DCI Walden Pond opened in 2003. Dr. Meyer directed the unit from 2006 to 2018; since 2018, Dr. Joseph has served as Medical Director. Dr. Meyer is now the Associate Medical Director. DCI Walden Pond treats 45 hemodialysis patients; John D’Antonio, RN serves as Nurse Manager.

Continuing Patient Care Initiatives—Inpatient

Every 14 days, the Division’s nephrologists rotate responsibility for care of patients hospitalized on the inpatient nephrology service at Tufts Medical Center. The nephrology and dialysis staff work closely with the nursing staff on North 7, the inpatient nephrology floor, to maintain continuity of care. In addition, all Division attending physicians participate in the inpatient nephrology consultation service. The consultation service responds to over 70 requests monthly for evaluation of acute kidney injury, chronic kidney disease, fluid and electrolyte disorders, glomerulonephritis, hypertension, and solid organ and bone marrow transplant-related issues. The nephrology consultation service also provides expertise for all forms of renal replacement therapy, including but not limited to hemodialysis, peritoneal dialysis, and continuous renal replacement therapy (CVVHD and SCUF). Under the supervision of staff physicians, Division fellows perform all temporary access procedures required for initiating hemodialysis, including ultrasound-guided femoral and central catheter insertions.

Kidney Transplantation

The Tufts Medical Center Kidney Transplant Team performed 27 kidney transplants in 2019 (8 living donor, 19 deceased donor). Figure 1 shows the change in the number of kidney transplants over time.

Dr. Goyal is the Medical Director of the Tufts Medical Center Kidney Transplant Program. Tufts Medical Center is also an active participant in the UNOS Kidney Paired Donation Project that has centralized the coordination of sharing by mismatched donor-recipient pairs so as to allow regional and national paired-donor exchanges. Patients who have received kidney transplants are seen weekly in the Kidney and Blood Pressure Center in the initial months following the transplant, thereafter at increasing intervals. The transplant team at Tufts Medical Center has conducted more than 1,275 kidney transplants. In 2016, the
kidney transplant program had its 45th anniversary.

Inpatient Dialysis
Inpatient hemodialysis is performed in the Floating 7 inpatient dialysis unit and in Tufts Medical Center intensive care units. DCI, the hospital’s inpatient dialysis provider, assigns nurses to perform inpatient hemodialysis treatments and to oversee and facilitate CVVHD treatments in the intensive care units. Dr. Wright directs the CVVHD program. Linda Courtemanche RN manages the inpatient hemodialysis/CVVHD program, which she joined in 1986. The staff perform both pediatric and adult intermittent hemodialysis and CVVHD.

Inpatient peritoneal dialysis is performed in intensive care units and on the North 7, an inpatient adult medicine ward, by trained nursing staff. Margaret (Peggy) Davoren RN replaced Linda Hames RN upon her retirement in 2018 and provides peritoneal dialysis nursing education for staff on North 7 and throughout the hospital. The inpatient care of peritoneal dialysis patients admitted from the DCI Ball Square program is closely coordinated with their ongoing outpatient care.

Continuous Renal Replacement Therapy
In 2018, Dr. Perrone stepped down as director of the continuous renal replacement therapies (e.g., continuous venovenous hemodialysis and slow continuous ultra filtration) program. Dr. Wright assumed the role of director of the program, which uses NxStage System 1 machines to perform continuous venovenous hemodialysis (CVVHD). These therapies support critically ill patients who have developed acute kidney injury as a complication of their underlying illnesses, other treatments, or surgery. Growing solid organ and bone marrow transplantation, cardiac surgery, and oncology programs will increase utilization of continuous renal replacement therapies.

Division Quality Improvement
The division remains committed to improving the quality of care both for our patients and patients throughout the institution. Dr. Inker is Director for Quality Improvement for the Division.

Morbidity and Mortality Rounds
Morbidity and Mortality rounds are held approximately six times a year and provide the opportunity for fellows and attending physicians to discuss issues related to problems in knowledge or delivery of care that lead to patient poor outcomes, with the goal to develop systems to avoid these problems in the future.
Community Service/Patient Education

Division staff members actively participate in community projects, particularly in neighboring Chinatown. In addition to health screenings, the Division has focused on education for health care providers, patients, and the general community.

- **Veronika Testa, RN** participated in a free blood pressure screening for 45 adults in Chinatown.

2019 Patient Care Awards and Honors

- **Dr. Perrone** was celebrated at the NKF Honors Event which honors members of the local community who have been outstanding in the promotion of kidney health and the fight against kidney disease.

- **Ticco Robinson PA-C** participated in the Standard Setting Meeting for the Nephrology Certification Exam by the National Commission on Certification of Physician Assistants. This meeting developed the standards and curriculum for the certification exam for Physician Assistants.

- The Medical Center recognized the KBPC with an award for the Most Improved Overall Ambulatory CG-CAHPS scores. The improved patient experience results reflect the clinic’s constant effort to improve the patient experience, strong clinic leadership and amazing teamwork.

- In 2019, **Ticco Robinson PA-C** was appointed to the Timmy Global Health Medical Advisory Committee. Timmy Global Health is an Indianapolis-based nonprofit that expands access to healthcare and empowers students and volunteers to tackle today’s most pressing global health challenges by strengthening the capacity of local health systems through short-term medical service programs and long-term health solutions.

- At Dialysis Clinic, Inc.’s 2019 Annual Meeting, the Boston-area DCI clinics received the following patient care awards: DCI Ball Square 2 Star Award, DCI Walden Pond 2 Star Award, and DCI Boston 3 Star Award. These awards acknowledge the hard work meeting monthly clinical benchmarks in key metrics.

- The DCI Somerville home program received a 2 Star Award at the DCI Home Meeting held in April. A star is awarded for meeting key clinical metrics during the preceding four quarters.

- Boston Magazine reported what we all already know - we have some of Boston’s Best Doctors! Congrats to Drs. **Gilbert, Inker, Jaber, Levey, Meyer, Miskulin, Perrone, Sarnak**, and **Weiner** who were listed in the Boston Magazine Best Doctors issue published in January 2020.
Psychometric Evaluation of the In-Center Hemodialysis Consumer Assessment of Healthcare Providers and Systems (ICH CAHPS) Survey

Taimur Dad, MD, MS
3/14/2019

Research
Research conducted in the Division is focused on solving clinical problems. Each research project has a domain expert, in most cases a nephrologist, a methods expert, and collaborators from other disciplines. The location of the Division offices, the KBPC, and the DCI Boston dialysis unit on 3 adjacent floors in the same building has been a major reason contributing to the Division’s success in performing clinical research.

Division members collaborate with methods experts to use the research methods appropriate for epidemiology, clinical trials, development of clinical practice guidelines, and outcomes. We collaborate with domain experts to focus on the research areas of: CKD, assessment of kidney function, aging, nutrition, dialysis and transplantation, progression, polycystic kidney disease, acute kidney injury, and hypertension.

2019 Research Findings in the News

- The NY Times published an article on the SPRINT MIND Study, in which Dr. Weiner participated. [https://www.nytimes.com/2019/01/28/health/dementia-blood-pressure-cognitive-impairment.html](https://www.nytimes.com/2019/01/28/health/dementia-blood-pressure-cognitive-impairment.html). The study results were published in JAMA.

2019 New Research Grant Awards

Figure 2, Table 4, and Table 5 illustrate the research grant awards received by Division members.

![Figure 2: Division of Nephrology Research Grant Awards FY 2015-2019, by type.](chart.png)
Table 4: New Research Grant Awards Received in 2019

<table>
<thead>
<tr>
<th>PI</th>
<th>Award Source/Years</th>
<th>Type of Award</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>Drew</td>
<td>NIH 2 years</td>
<td>Federal R21</td>
<td>Quantitative Renal Imaging for Chronic Kidney Disease</td>
</tr>
<tr>
<td>Inker</td>
<td>Reata 2 years</td>
<td>Industry</td>
<td>An Extended Access Program to Assess Long-term Safety of Bardoxolone Methyl in Patients with Chronic Kidney Disease</td>
</tr>
<tr>
<td></td>
<td>NKF 1 year</td>
<td>Foundation</td>
<td>Joint Analysis of GFR Slope and Change in Albuminuria</td>
</tr>
<tr>
<td></td>
<td>Sanofi 2 years</td>
<td>Industry</td>
<td>Multicenter, Randomized, Double-blind, Placebo-controlled Two Stage Study to Characterize the Efficacy, Safety, Tolerability and Pharmacokinetics of GZ/SAR402671 in Patients at Risk of Rapidly Progressive Autosomal Dominant Polycystic Kidney Disease</td>
</tr>
<tr>
<td>Perrone</td>
<td>Reata 2 years</td>
<td>Industry</td>
<td>A Phase 3 trial of the Efficacy and Safety of Bardoxolone Methyl in Patients with Autosomal Dominant Polycystic Kidney Disease (ADPKD)</td>
</tr>
<tr>
<td></td>
<td>Cara Therapies 2 years</td>
<td>Industry</td>
<td>An Open-label, Multicenter Study to Evaluate the Safety and Effectiveness of the Intravenous CR845 in Hemodialysis Patients with Moderate-to-Severe Pruritus</td>
</tr>
<tr>
<td>Weiner</td>
<td>Ardelyx 2 years</td>
<td>Industry</td>
<td>A Randomized, Double-blind, Placebo-controlled Study to Evaluate the Efficacy of Tenapanor as Adjunctive Therapy to Phosphate Binders in End-stage Renal Disease Patients with Hyperphosphatemia</td>
</tr>
</tbody>
</table>

**Total Amount and Type of Research Grant Awards**

Table 5 shows ongoing research grant awards received by Division members before 2019.

Table 5: Ongoing Research Grant Awards Received Prior to 2019

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Award Source</th>
<th>Type of Award</th>
<th>Title</th>
<th>Year of Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dad</td>
<td>DCI</td>
<td>Foundation</td>
<td>Psychometric and Qualitative Evaluation of the In-Center Hemodialysis Consumer Assessment of Healthcare Providers and Systems (ICH CAHPS).</td>
<td>2017</td>
</tr>
<tr>
<td>Drew</td>
<td>NIH</td>
<td>Federal K23</td>
<td>The Association of FGF-23 and Klotho with Cognitive Impairment and Cerebrovascular Disease in Chronic Kidney Disease</td>
<td>2016</td>
</tr>
<tr>
<td>Inker</td>
<td>NIH</td>
<td>Federal U01</td>
<td>CKD Biomarker Consortium-Phase 2: Risk Markers in Blood</td>
<td>2016</td>
</tr>
<tr>
<td>Inker</td>
<td>Reata</td>
<td>Industry</td>
<td>A phase 2/3 Trial of the Efficacy and Safety of Bardoxolone Methyl in Patients with Alport Syndrome</td>
<td>2017</td>
</tr>
<tr>
<td>Inker</td>
<td>Retrophin</td>
<td>Industry</td>
<td>Sparsentan for the Treatment of Primary IgA nephropathy: A Study to Support the Application of Early Change in Proteinuria as a Surrogate Endpoint for Accelerated Approval and eGFR slope as the Confirmatory Endpoint</td>
<td>2017</td>
</tr>
<tr>
<td>Inker</td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>Medication Use and Adverse Events in CKD</td>
<td>2018</td>
</tr>
<tr>
<td>Inker</td>
<td>Omeros</td>
<td>Industry</td>
<td>A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study of the Safety and Efficacy of OMS721 in Patients with Immunoglobulin A (IgA) Nephropathy (ARTEMIS-IGAN)</td>
<td>2018</td>
</tr>
<tr>
<td>Inker</td>
<td>Reata</td>
<td>Industry</td>
<td>A Phase 2 Trial of the Efficacy and Safety of Bardoxolone Methyl in Patients with Rare Chronic Kidney Diseases</td>
<td>2018</td>
</tr>
<tr>
<td>Inker</td>
<td>DCI</td>
<td>Foundation</td>
<td>Accuracy of GFR Estimates in Advanced Heart Failure</td>
<td>2018</td>
</tr>
<tr>
<td>Levey</td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>Chronic Kidney Disease Prognosis Consortium</td>
<td>2018</td>
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<tr>
<td>Miskulin</td>
<td>DCI</td>
<td>Foundation</td>
<td>Prepared Meals to Prime and Perpetuate Reduced Dietary Sodium Intake in - Hemodialysis (PePPer DISH)</td>
<td>2018</td>
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<tr>
<td>Perrone</td>
<td>DOD</td>
<td>Federal</td>
<td>Metformin as a Novel Therapy for Autosomal Dominant Polycystic Kidney Disease</td>
<td>2015</td>
</tr>
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</table>
Table 5: Ongoing Research Grant Awards Received Prior to 2019 Continued

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Award Source</th>
<th>Type of Award</th>
<th>Title</th>
<th>Year of Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perrone</td>
<td>Kadmon</td>
<td>Industry</td>
<td>A Double-blind Randomized Parallel Group Study of the Efficacy and Safety of Tesevatinib in subjects with Autosomal Dominant Polycystic Kidney Disease</td>
<td>2017</td>
</tr>
<tr>
<td>Sarnak</td>
<td>NIH</td>
<td>Federal U01</td>
<td>Beyond the Glomerulus: Novel Clinical Markers of Kidney Health and Prognosis</td>
<td>2016</td>
</tr>
<tr>
<td>Sarnak</td>
<td>NIH/NIDDK</td>
<td>Federal T32</td>
<td>Epidemiology, Clinical Trials and Outcomes Research</td>
<td>1999</td>
</tr>
<tr>
<td>Sarnak</td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>Role of Mitochondrial Health in Acute and Chronic Kidney Disease in Older Adults</td>
<td>2018</td>
</tr>
<tr>
<td>Sarnak</td>
<td>NIH/NIDDK</td>
<td>Federal Subcontract</td>
<td>Multi-Center Randomized Trial to Test the Safety of Vitamin D Supplementation and Its Efficacy in Prevention of Diabetes in Participants at</td>
<td>2018</td>
</tr>
<tr>
<td>Weiner</td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>Biological Determinants of Peritoneal Dialysis Outcomes</td>
<td>2017</td>
</tr>
<tr>
<td>Weiner</td>
<td>Baxter</td>
<td>Industry</td>
<td>A Multi-Center, Prospective, Randomized, Controlled, Open-Label, Parallel Study to Evaluate the Safety and Efficacy of the Theranova 400 Dialyzer in End-Stage Renal Disease (ESRD) Patients</td>
<td>2017</td>
</tr>
<tr>
<td>Weiner</td>
<td>AstraZeneca</td>
<td>Industry</td>
<td>A Study to Evaluate the Effect of Dapagliflozin on Renal Outcomes and Cardiovascular Mortality in Patients with Chronic Kidney Disease</td>
<td>2017</td>
</tr>
<tr>
<td>Weiner</td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>Integrated Mineral metabolism Treatment Strategies in Patients on Dialysis</td>
<td>2017</td>
</tr>
<tr>
<td>Weiner</td>
<td>Ardelyx</td>
<td>Industry</td>
<td>A 26-Week, Phase III, Open-Label Study with a 12-week, Placebo-Controlled, Randomized Withdrawal Period Followed by an Open-Label Long-Term Safety Extension to Evaluate the Safety and Efficacy of Tenapanor to Treat Hyperphosphatemia in End-Stage Renal Disease Patients on Hemodialysis and Peritoneal Dialysis</td>
<td>2018</td>
</tr>
<tr>
<td>Weiner</td>
<td>PCORI</td>
<td>Federal</td>
<td>Promoting Autonomy and Improving Shared Decision-Making for Older</td>
<td>2018</td>
</tr>
</tbody>
</table>

2019 Division Publications

2019 Print Publications

A total of 78 print publications and 12 epublications were authored and/or co-authored by Division members in 2019. An asterisk beside a name indicates a current trainee as an author.


37. Inker LA, Levey AS. Knowing your GFR – when is the number not (exactly) the number? Kidney Int 2019; 96:280-282; PMID:31331467.


prognosis of acute kidney diseases and disorders using an integrated approach to laboratory measurements in a universal health care system. JAMA Netw Open 2019; 2:e191795; PMID:30951162.


2019 Epublications


Research Leadership Roles

- Dr. Inker was a reviewer for the Emerging Clinician Scientist Awards from the Health Research Board.
- Dr. Sarnak is an ad hoc reviewer for the National Institutes of Health.
- Dr. Weiner is the chair of the Data Safety Monitoring Board for the SPIRIT Trial, and a member of both the SPRINT-MIND Subcommittee and the SPRINT Economic Evaluation/HRQOL Subcommittee.
- Dr. Weiner is the co-chair of the Adjudications Committee of the VALOR-CKD study.
- Dr. Weiner is a member of the Protocol Committee of the HOPE Trial.
- Dr. Weiner was a 2019 grant reviewer for KidneyX and a non-permanent member of the Kidney, Nutrition, Obesity and Diabetes Study study section.

2019 Research Awards and Honors

- Dr. Levey was named a 2019 Clarivate Analytics Highly Cited Researcher for the 6th year in a row!! Very few researchers earn this distinction. Selection criteria are based on production of multiple highly cited
papers in the last decade. A highly cited paper is defined as papers ranking in the top 1% by citations, considering both year and field of publication.

- Dr. Levey received the Zucker Family Prize from TUSM. It is awarded annually to TUSM faculty member for a career of outstanding research.
- Dr. Levey was informed that in June 2020, he will receive the title of Honorary Member in the ERA-EDTA (European Renal Association-European Dialysis and Transplant Association). At their annual meeting being held in Milan, he will give a plenary association and receive the highest honor of this society. The title of Honorary Member is a very important recognition given by the Society to an extremely limited number of persons for the great contributions that they have given, during their career, to Nephrology and the Society. During the 50 years of the history of ERA-EDTA only 21 people have received this recognition.
- Dr. Wendy McCallum, nephrology research fellow, starred in the inaugural ISN Video Abstract. The Video Abstract was a new ISN initiative whereby the Kidney International Editors select one article per month to be developed into a brief recorded presentation by the author.
M21: Health to Disease I: Renal

SYLLABUS

COURSE DIRECTORS:
SCOTT GILBERT, MD
MONIKA PILICHOWSKA, MD
The Division is committed to graduate and post-graduate education. Local and national initiatives involve all members of the Division. National efforts stem largely from leadership and participation in basic and clinical research, service to national organizations and boards that establish standards in clinical practice and educational testing, and speaking engagements at local, national, and international conferences. Our local education initiatives are focused on our affiliations with TUSM, TUSDM, the Friedman School of Nutrition Science and Policy, and the Tufts University Graduate School of Biomedical Sciences. The nephrology textbook *Primer on Kidney Diseases* and the open-access, online journal *Kidney Medicine* are edited in the Division.

![Image of Primer on Kidney Diseases](image)

**2019 Education Initiatives**

- Our faculty have been very active and have made significant contributions during the redevelopment of the TUSM curriculum. In particular, the Renal Course has been moved from a 3-week experience in August to September of the second year to a 4-week experience in March of the first year. Dr. Gilbert led a team including Drs. Dad, Goyal, and Wright to create a format directed at Millennial learners by eliminating lectures and using contact time to apply material through team-based learning activities, patient presentations, small group discussions, anatomy and pathology labs, and clinical symposia on CKD and transplantation.
- As part of the new TUSM curriculum, Drs. Dad, Gilbert, and Gordon are participating in a Coaching Program for TUSM students. This 4-year commitment between the faculty member and 10 medical students establishes longitudinal faculty member-student relationships with a goal is to assist and enhance each student’s personal, professional, and academic development in becoming a physician.
- Dr. Dad became the co-course director in July for the Clinical Reasoning course taught to TUSM medical students during their pre-clinical training years. This course teaches students the theory and application of clinical reasoning in the diagnostic workup of patients.
- Dr. Gordon is the course director for the new course on Integrative Cases. The goals of this course are to provide an experience in the classroom that mimics future clinical experiences by integrating material across disciplines. The integration in the course is three-dimensional. Cases are carefully selected to integrate materials horizontally across organ systems (in many cases incorporating 3 or more organ systems per case session) as well as vertically integrating material in the clinical sciences using concepts embedded in the fundamental or basic sciences. The third dimension of integration incorporates the four threads that permeate the TUSM curriculum including Healthcare Systems, Population Health, the Patient Experience, and Personal and Professional Development.
Visiting Professors, Faculty and Guests
Table 6 lists the 4 visiting professors or visiting faculty in the Division this year.

Table 6: 2019 Visiting Professors and Visiting Faculty

<table>
<thead>
<tr>
<th>Visiting Professor/Faculty</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vipul Chitalia, MD, PhD</td>
<td>Uremic Toxicity: The Emerging Role of Thrombolome</td>
</tr>
<tr>
<td>Associate Professor of Medicine</td>
<td></td>
</tr>
<tr>
<td>Boston University School of Medicine</td>
<td></td>
</tr>
<tr>
<td>Holly Kramer, MD, MPH</td>
<td>Diet and Kidney Disease: How a Revolution Created an Epidemic</td>
</tr>
<tr>
<td>Associate Professor of Medicine</td>
<td></td>
</tr>
<tr>
<td>Loyola University Medical Center Department of Public Health Services</td>
<td></td>
</tr>
<tr>
<td>Matthew T. James, MD, PhD</td>
<td>Relationships Between Acute and Chronic Kidney Disease: Implications for Nephrology Care</td>
</tr>
<tr>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>University of Calgary</td>
<td></td>
</tr>
<tr>
<td>Nicolaos E. Madias, MD</td>
<td>The Renal Response to Chronic Hypercapnia</td>
</tr>
<tr>
<td>Physician, Division of Nephrology</td>
<td></td>
</tr>
<tr>
<td>Department of Medicine</td>
<td></td>
</tr>
<tr>
<td>St. Elizabeth's Medical Center</td>
<td></td>
</tr>
</tbody>
</table>

Continuing Education Initiatives
Table 7: Longstanding Graduate-level Teaching Initiatives

<table>
<thead>
<tr>
<th>School</th>
<th>Course</th>
<th>Personnel</th>
</tr>
</thead>
<tbody>
<tr>
<td>TUSM</td>
<td>Renal Pathophysiology Course</td>
<td>Dr. Gilbert, Course Director</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Division Attendings and Fellows</td>
</tr>
<tr>
<td></td>
<td>Renal Ward Service</td>
<td>Division Attendings</td>
</tr>
<tr>
<td></td>
<td>Introduction to Clinical Reasoning</td>
<td>Dr. Dad, Course Co-Director</td>
</tr>
<tr>
<td></td>
<td>Integrative Cases</td>
<td>Dr. Gordon, Course Director</td>
</tr>
<tr>
<td></td>
<td>3-part Clinical Nephrology Series for Internal Medicine Clerkship</td>
<td>Dr. Gilbert</td>
</tr>
<tr>
<td></td>
<td>Consultative Nephrology</td>
<td>Dr. Gilbert, Course Director</td>
</tr>
<tr>
<td></td>
<td>Medical Education elective</td>
<td>Dr. Gilbert</td>
</tr>
<tr>
<td></td>
<td>Selective Program Mentor</td>
<td>Dr. Weiner</td>
</tr>
<tr>
<td></td>
<td>Lecture in Pathobiology</td>
<td>Dr. Perrone</td>
</tr>
<tr>
<td>Tufts University School of Dental Medicine</td>
<td>Lectures on topics related to hypertension and nephrology</td>
<td>Drs. Gilbert and Wright</td>
</tr>
<tr>
<td>Friedman School of Nutrition Science and Policy</td>
<td>Lectures on kidney disease, hypertension and nephrology</td>
<td>Drs. Meyer and Weiner</td>
</tr>
<tr>
<td>The Francis Stern Nutrition Center at Tufts Medical Center</td>
<td>4-week experiential rotation in DCI Boston dialysis unit</td>
<td>Poonhar Poon, RD</td>
</tr>
</tbody>
</table>
Table 8: Longstanding Postgraduate-level Teaching Initiatives by Division Members

<table>
<thead>
<tr>
<th>Institution</th>
<th>Role</th>
<th>Personnel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tufts University Graduate School of Biomedical Sciences</td>
<td>Mentor fellows during their independent research and thesis preparation in pursuit of a Masters of Science degree</td>
<td>Drs. Inker, Lacson, Levey, Meyer, Miskulin, Perrone, Sarnak and Weiner</td>
</tr>
<tr>
<td>Tufts Medical Center</td>
<td>Renal Ward Service Nephrology Consultation Service Intern and Resident Teaching</td>
<td>Division Attendings</td>
</tr>
<tr>
<td></td>
<td>KBPC senior medical residents</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Morning Report and Noon Conference</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Evidence Based Medicine Course for Interns</td>
<td>Dr. Dad, Course Director</td>
</tr>
<tr>
<td></td>
<td>Core Faculty for Resident Journal Club</td>
<td>Dr. Dad</td>
</tr>
</tbody>
</table>

Table 9: Graduated Clinical Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Training Period</th>
<th>Current Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Siloe Alvarado, MD</td>
<td>2017-2019</td>
<td>Nephrologist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Baylor Medical Center</td>
</tr>
</tbody>
</table>

**Fellowship Programs**

**Clinical Fellowship Training**

The highly-respected clinical fellowship training program is led by Dr. Gilbert as the Director, and Dr. Dad as the Associate Director. A well-organized curriculum emphasizes breadth and depth of clinical experiences.

Over the past 15 years, approximately 44% of the 52 graduates of the fellowship program have continued in full-time academic positions. Another 12% have become private practitioners with substantial teaching responsibilities, many in hospitals with university affiliations. The remaining graduates are largely engaged in private practice.

During the past academic year, 75 applications to the clinical fellowship program were reviewed for 2 open positions available in 2020. Table 9 and Table 10 list graduated and current clinical fellows.
The Division offers training in clinical research under the direction of Drs. Sarnak (Training Program Director) and Weiner (Director of Research) at Tufts Medical Center and Drs. Balakrishnan, Jaber, and Madias at SEMC. Many faculty members participate in the Research Fellowship Training program.

### Continuing Research Fellowship Training Initiatives

#### Research Fellowship Training

The Division offers training in clinical research under the direction of Drs. Sarnak (Training Program Director) and Weiner (Director of Research) at Tufts Medical Center and Drs. Balakrishnan, Jaber, and Madias at SEMC. Many faculty members participate in the Research Fellowship Training program.

Table **10**: Current Clinical Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Training Period</th>
<th>Previous Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jahangir Ahmed, MD</td>
<td>2018-2020</td>
<td>Brooklyn Hospital Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Brooklyn NY</td>
</tr>
<tr>
<td>Yashodhan Chivate, MD</td>
<td>2018-2020</td>
<td>Mather Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Port Jefferson NY</td>
</tr>
<tr>
<td>Caroline Hsu, MD</td>
<td>2019-2022</td>
<td>University of Rochester Medical Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rochester NY</td>
</tr>
<tr>
<td>Rajiv Sinanan, MD</td>
<td>2018-2020</td>
<td>University of Miami</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Miami FL</td>
</tr>
</tbody>
</table>

---

Scott Gilbert, Siloe Alvarado (graduating fellow), Mark Sarnak

Jay Ahmed, MD, Nephrology Fellow, presenting at Interhospital Renal Rounds
**Clinical Investigator Track: NIDDK Training Grant**

The NIDDK Institutional Research Training Award in “Epidemiology, Clinical Trials and Outcomes Research in Nephrology funds up to three trainees per year in the Clinical Investigator Track. This program is designed for fellows aspiring to a career as an independent investigator in clinical research in nephrology. The program has been focused primarily on chronic kidney disease, although in recent years, there is a growing interest in acute kidney injury. The specific aims of the Training Program are:

1. **Didactic Training** - course work in fulfillment of the MS degree in the Graduate Program in Clinical Research at the Tufts University Graduate School of Biomedical Sciences;
2. **Independent Study** - a hypothesis-based research project supervised by a nephrologist mentor and a research team of faculty with expertise in other disciplines;
3. **Training in Presentation** - participation in conferences and seminars designed to improve trainees’ oral and written presentations.

Nephrologist mentors ensure integration of all aspects of the curriculum with trainees’ research projects.

**Research Fellowship Program Statistics**

We have 3 current research fellows in training. We received 14 applications in 2019 for 1 open research fellowship position in 2020. See Table 11 for the listing of current research fellows.

**Table 11: Current Research Fellows**

<table>
<thead>
<tr>
<th>Name</th>
<th>Prior Institution</th>
<th>Nephrology Mentor</th>
<th>Funding Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erin Flanagan, MD</td>
<td>Tufts Medical Center</td>
<td>Lesley A. Inker, MD, MS</td>
<td>NIH T32</td>
</tr>
<tr>
<td></td>
<td>Boston MA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wendy McCallum, MD</td>
<td>Tufts Medical Center</td>
<td>Mark J. Sarnak, MD, MS</td>
<td>NIH T32</td>
</tr>
<tr>
<td></td>
<td>Boston MA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bethany Roehm, MD</td>
<td>Tufts Medical Center</td>
<td>Lesley A. Inker, MD, MS</td>
<td>NIH T32</td>
</tr>
<tr>
<td></td>
<td>Boston MA</td>
<td>Daniel E. Weiner, MD, MS</td>
<td></td>
</tr>
</tbody>
</table>
Continuing Medical Education

2019 Continuing Medical Education Initiatives

Table 12 lists the continuing education presentations given by Division faculty in 2019. The table excludes presentations given within the Division, as all faculty are expected to present one Journal Club and one Research Conference annually.

<table>
<thead>
<tr>
<th>Local/Regional Presentations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dr. Dad</strong></td>
</tr>
<tr>
<td>Kidney Stones</td>
</tr>
<tr>
<td>Lawrence Memorial Hospital/MelroseWakefield Hospital Grand Rounds</td>
</tr>
<tr>
<td>Greater Boston MA</td>
</tr>
<tr>
<td><strong>Dr. Gordon</strong></td>
</tr>
<tr>
<td>Chronic Kidney Disease for the Internist: What Your Nephrologist Wants You to Know</td>
</tr>
<tr>
<td>Massachusetts Medical Society/Tufts Health Plan Monthly Physician Meeting</td>
</tr>
<tr>
<td>Waltham MA</td>
</tr>
<tr>
<td>Dialysis for the Internist – What You Need to Know for “That” Clinic Visit</td>
</tr>
<tr>
<td>Brigham and Women’s Hospital Resident Ambulatory Conference</td>
</tr>
<tr>
<td>Boston MA</td>
</tr>
<tr>
<td>KDIGO Guidelines on HCV: Translating Guidelines into Practice</td>
</tr>
<tr>
<td>Tufts Medical Center GMA CME Noon Conference</td>
</tr>
<tr>
<td>Boston MA</td>
</tr>
<tr>
<td>Chronic Kidney Disease for the Internist: What Your Nephrologist Wants You to Know</td>
</tr>
<tr>
<td>NEQCA Medicare Quality Committee Meeting</td>
</tr>
<tr>
<td>Braintree MA</td>
</tr>
<tr>
<td>Time Management for Academic Physicians</td>
</tr>
<tr>
<td>TUSM Office of Educational Affairs – Faculty Development Curriculum</td>
</tr>
<tr>
<td>Boston MA</td>
</tr>
<tr>
<td><strong>Dr. Inker</strong></td>
</tr>
<tr>
<td>New Perspectives on Endpoints and Clinical Trial Design: Surrogate Endpoints as Critical Component of Development of Effective Treatments to Prevent Progression of Kidney Disease</td>
</tr>
<tr>
<td>CKD Symposium</td>
</tr>
<tr>
<td>Cambridge MA</td>
</tr>
<tr>
<td><strong>Dr. Jaber</strong></td>
</tr>
<tr>
<td>Update on Renal Replacement Therapies in the ICU</td>
</tr>
<tr>
<td>St. Elizabeth’s Medical Center Pulmonary and Critical Care Medicine Fellow Conference</td>
</tr>
<tr>
<td>Boston MA</td>
</tr>
<tr>
<td>Pregnancy with Preexisting Kidney Disease</td>
</tr>
<tr>
<td>St. Elizabeth’s Medical Center Obstetrics &amp; Gynecology Grand Rounds</td>
</tr>
<tr>
<td>Boston MA</td>
</tr>
</tbody>
</table>
Dr. Levey  Chronic Kidney Disease, 2019 Update  
NYU Medicine Grand Rounds  
New York City NY

GFR Estimation, 2019 Update  
NYU Renal Conference  
New York City NY

Dr. Meyer  Drug Treatment of Rheumatologic Disease in Dialysis  
Tufts Medical Center Division of Rheumatology Grand Rounds  
Boston MA

Dr. Perrone  Vasopressin Antagonists in the Treatment of ADPKD  
Maine Medical Center  
Portland ME

Advances in the Management of ADPKD  
State University of New York at Stony Brook Division of Nephrology  
Stony Brook NY

Dr. Sarnak  Cardiorenal Syndrome  
Beth Israel Nephrology Grand Rounds  
Boston MA

Dr. Weiner  Blood Pressure in a Post-SPRINT World  
St. Elizabeth’s Medical Center  
Brighton MA

Blood Pressure Targets, 2019  
Tufts Medical Center Medical Grand Rounds  
Boston MA

Cardiovascular Disease in Chronic Kidney Disease  
Metrowest Medical Center, Leonard Morse Hospital  
Framingham MA

NATIONAL PRESENTATIONS

Dr. Gilbert  Update on Nephrology Training Issues  
Joint TPD-Division Chiefs Meeting  
2019 ASN Kidney Week  
Washington DC

Dr. Gordon  Accelerating the Pathway to an Accurate Diagnosis of aHUS and Other TMA Syndromes  
National Kidney Foundation 2019 Spring Clinical Meeting  
Boston MA

Dr. Inker  Use of Surrogate Endpoints to Optimize Drug Development  
CKD Stage 3 Development  
Boston MA

Dr. Lacson  Strategies to Improve Collaborative Care of Depression in ESRD  
National Kidney Foundation 2019 Spring Clinical Meeting  
Boston MA
We Need to Talk: Depression in Dialysis CKD/ESRD Track Premeeting Course
National Kidney Foundation 2019 Spring Clinical Meeting
Boston MA

Dr. Levey
GFR Estimation Part 1
Johns Hopkins Hospital Nephrology Conference
Baltimore MD

GFR Estimation Part 2
Johns Hopkins Hospital Nephrology Conference
Baltimore MD

GFR Estimation Update 2019
Brigham Women’s Hospital’s Intensive Board Review of Nephrology
Boston MA

Dr. Perrone
Prescribing Tolvaptan for Patients with PKD: For Whom and How?
National Kidney Foundation 2019 Spring Clinical Meeting
Boston MA

STAGED-PKD: Study to Assess GCS Inhibition Efficacy in ADPKD
Harvard Center for Polycystic Kidney Disease 12th Annual Symposium on Polycystic Kidney Disease
Boston MA

Update on the Management of ADPKD
University of Nebraska Internal Medicine Grand Rounds
Omaha NE

Update on Polycystic Kidney Disease
Brigham Renal Division Course, Harvard Medical School Intensive Board Review in Nephrology
Boston MA

Dr. Sarnak
Latest Updates in Cardiorenal Syndrome
The 1st International University of Florida Nephrocardiology Conference
Orlando FL

Current Understanding of Coronary Artery Disease in CKD
The 1st International University of Florida Nephrocardiology Conference
Orlando FL

Cardiorenal Syndrome
National Kidney Foundation 2019 Spring Clinical Meeting
Boston MA

The Impact of Dyslipidemia on Cardiovascular Outcomes in Patients with CKD
National Kidney Foundation 2019 Spring Clinical Meeting
Boston MA

Update in Cardiorenal Syndrome
9th Annual Dr. José L. Cangiano Magisterial Lecture
Puerto Rico Society of Nephrology Annual Convention
Puerto Rico
Coronary Artery Disease in Chronic Kidney Disease—An Update
Edmond Ricanati Memorial Lecture and Grand Rounds
Case Western Reserve Medical Center
Cleveland OH
INTERNATIONAL PRESENTIONS

Dr. Levey
CKD Update 2019
National Institute of Cardiology Medical Grand Rounds
Mexico City, Mexico

GFR Estimation Update 2019
National Institute of Cardiology Nephrology Conference,
Mexico City, Mexico

Continuing Medical Education Initiatives

Editorial Board Appointments

Kidney Medicine

Kidney Medicine (https://www.journals.elsevier.com/kidney-medicine) debuted in 2018 as an open access peer-reviewed journal published by the National Kidney Foundation. The online journal follows the precedent of the American Journal of Kidney Diseases in focusing on clinical research and clinical practice in nephrology, with particular emphasis on studies of patient-reported outcomes. Dr. Daniel Weiner is the inaugural editor-in-chief. Joining Dr. Weiner on the editorial team are Associate Editors Drs. Drew and Gordon and Hocine Tighiouart, MS. Former AJKD Associate Managing Editor Elizabeth Frank is the Managing Editor. In 2019, the journal published 67 articles which were a combination of original research, case reports and editorials.

Other Editorial Board Appointments

- Drs. Inker and Lacson are members of the editorial board of the American Journal of Kidney Diseases.
- Dr. Madias serves on number editorial boards: Kidney: A current survey of world literature; International Angiology; Arterial Hypertension; Indian Journal of Nephrology; Hellenic Medical Journal; Hippokratia; Hellenic Medicine; Acid-Base and Electrolyte Advisory Board, American Journal of Kidney Diseases; and Kidney International Reports.
- Dr. Weiner is the editor of the Policy Feature of the American Journal of Kidney Diseases.
- Dr. Lacson co-edited an edition of Neph SAP on Infection Control and Prevention in Outpatient Hemodialysis Facilities.
2019 Education Awards and Honors

- The TUSM Seniors once again recognized Dr. Gilbert with the Outstanding Teaching in the Pre-clerkship Years award. This is at least the 4th time that the graduating class has selected Scott as the award recipient! During the same ceremony, Dr. Perrone was beaming with pride when his son Gabe and his daughter-in-law Olivia also received awards.
- Dr. Gilbert received the Outstanding Lecturer for 2018-2019 Award from the 1st and 2nd year TUSM students. He also received a Citation for Excellence in Teaching in the Medical Clerkship.
- Dr. Jaber received the 20 Years of Service Recognition award from TUSM.
- Dr. Balakrishnan received the St. Luke’s Faculty Award, For Dedication and Excellence In the Education of Residents at St. Elizabeth’s Medical Center.
- Dr. Gilbert received the TUSM Distinguished Faculty Award. He joins a long line of Division members who have received this award: Dr. Kassirer (1991); Dr. Harrington (1993); Dr. Madias (2000); Dr. Levey (2004); Dr. Perrone (2009); Dr. Meyer (2013); and Dr. Sarnak (2017).
Executive Order on Advancing American Kidney Health

By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered as follows:

Section 1. Purpose. My Administration is dedicated to advancing American kidney health. The state of care for patients with chronic kidney disease and end-stage renal disease (ESRD) is unacceptable: too many at-risk patients progress to late-stage kidney failure; the mortality rate is too high; current treatment options are expensive and do not produce an acceptable quality of life; and there are not enough kidneys donated to meet the current demand for transplants.
Continuing Public Policy Initiatives

ASN Policy Committees

In 2017 and 2018, Dr. Weiner served as the chair of the American Society of Nephrology’s Quality Committee and as a member of the Policy and Advocacy Committee. In 2019, he became a member of both committees and represents ASN at Kidney Care Partners, a national organization spanning the kidney community. In these roles, he works closely with the ASN Executive Council and the current committee chairs to advance potential care models to benefit patients with kidney disease and to promote high-level kidney care by interfacing with CMS and other stakeholders on regulatory processes, including the recent models introduced following the Advancing American Kidney Health Initiative, the Quality Payment Program, the ESRD Quality Incentive Program (QIP) and Prospective Payment System (PPS), other quality metrics programs, and the Physician Fee Schedule.

ASN Workforce and Training Committee and ASN Executive Committee

Dr. Gilbert is Chair of the ASN Workforce and Training Committee and a member of the ASN Executive Committee. The Workforce and Training Committee is charged with developing, implementing, evaluating, and continuously improving initiatives for students, residents, fellows, and other trainees. It defines training requirements for nephrologists, promotes improvements to training programs, and cultivates interest in kidney medicine, research, and education. The Executive Committee reports directly to ASN Council on the goals and mission of the organization. Dr. Gilbert’s appointment is for 5 years.

Chronic Kidney Disease in Nicaragua

Dr. Weiner is collaborating with public health researchers from Boston University School of Public Health to investigate chronic kidney disease among workers in rural Nicaragua. The objective of this research is to explore the reported high prevalence of kidney disease among working age residents in rural northwest Nicaragua to better define prevalence and to develop hypotheses regarding cause.

DCI Information Systems

Dr. Meyer serves as Medical Director for Information Systems for Dialysis Clinic, Inc., chairs its Medical Director Computer Steering Committee, and serves on its Medical Director Home Dialysis Committee. Dr. Meyer is one of the principal architects of DCI’s information system, which sets an industry standard for quality of care and of information, and continues to participate in its development.

DCI Outcomes Monitoring Program

Dr. Richardson directs the corporate-wide DCI Outcomes Monitoring Program. The program oversees patient-reported outcomes using surveys to improve care. Health-related quality of life is assessed using the SF-36+24 or the KDQOL-36 questionnaire. Dr. Richardson and her staff work with DCI Corporate and clinic-level staff to incorporate the results of the health-related quality of life surveys into patient care and quality improvement initiatives.
Philanthropic Support of the Division
Continuing Philanthropic Initiatives

Driscoll Family Endowed Fund in Nephrology

The Driscoll Family Endowed Fund in Nephrology was established in 2017. The Endowed Fund supports the Driscoll Family Fund in Nephrology.

We are grateful for the Founding Gifts to the Driscoll Family Endowed Fund in Nephrology:

- Mr. Robert and Mrs. Dolores Driscoll (Fund Founders)
- Mr. Chris and Mrs. Christie Blier (Fund Founders)

2019 Driscoll Family Endowed Fund in Nephrology Updates

We are grateful for the following donations to the Driscoll Family Endowed Fund in Nephrology in 2019:

- Mrs. Lori Driscoll
- Mr. Chris and Mrs. Christine L. Blier

Driscoll Family Fund in Nephrology

The Driscoll Family Fund in Nephrology was created in 2014 through the generosity of Mrs. Dolores Driscoll and is under the direction of Dr. Sarnak. The purpose of The Driscoll Family Fund in Nephrology is to specifically fund research in the area of kidney disease.

We are extremely honored by the following Founding Gift to The Driscoll Family Fund in Nephrology:

- Mr. Robert and Mrs. Dolores Driscoll (Fund Founders)

Inker Family Fund

The Inker Family Fund was created in 2010 through the generosity of Lesley Inker, MD and Ben Inker, in honor of their wedding on January 16, 2011. The Inker Family Fund is under the direction of Dr. Sarnak, with an initial goal to provide emergency medically necessary support to patients with kidney disease for which there are no other sources of support. A committee comprised of clinicians, nurses and social workers has the discretion to meet patient’s needs based on the Inker Family Fund criteria.

We are extremely honored by the following Founding Gifts to the Inker Family Fund:

Individual Donors

- Dr. Lesley Inker & Mr. Benjamin L. Inker (Fund Founders)
• Mr. and Mrs. Lawrence J. Beaser
• Mr. and Mrs. Ray A. Beaser
• Mr. and Mrs. Murray Blankstein
• Dr. and Mrs. Barry Borden
• Dr. Ilana Braun and Mr. Jed Wise
• Ms. Rhoda Brown
• Mr. and Mrs. Adam Cohen
• Mr. and Mrs. Jerry Cohen
• Mr. and Mrs. Robert Cohen
• Dr. Josef Coresh and Dr. Michelle J. Hindin
• Mr. and Mrs. Domenic Esposito
• Mr. Morley Faber and Dr. Adeera Levin
• Dr. and Mrs. Irv Feferman
• Ms. Elizabeth J. Fitzgerald
• Dr. Don Gaddy
• Dr. Lisa Gilbert and Dr. Scott Gilbert
• Mr. and Mrs. Stephen Goldman
• Mr. and Mrs. Ronnie Goldstein
• Mr. and Mrs. Campe Goodman
• Mr. and Mrs. Robert J. Grantham
• Dr. and Mrs. Bernard Grodzinski
• Ms. Mimi Hollenberg
• Mr. David C. Jacobson and Ms. Rochelle K. Greene
• Mr. and Mrs. Matthew J. Kadnar
• Mr and Mrs William Kassel
• Mr. and Mrs. Josef Kastner
• Ms. Ruth L. Kastner
• Dr. Jessica Kirshner and Mr. Dan Sommers
• Mr. and Mrs. Raymond Koskie
• Ms. Diane A. Lapon
• Mr. Ivan Lehon and Ms. Tal Kastner
• Dr. Andrew S. Levey and Dr. Roberta Falke
• Dr. Julie Maggi
• Dr. and Mrs. Herb Marcus
• Mr. Ken Miller and Dr. Debra Miller
• Ms. Alexandra C. Moller
• Mr. and Mrs. Michael Offner
• Ms. Alison Osattin
• Mr. and Mrs. Kirk A. Ott
• Ms. Ronna J. Perlmutter
• Dr. and Mrs. Alan D. Persky
• Mr. and Mrs. M. Laurence Popofsky
• Mr. and Mrs. Morton Prager
• Mrs. Nancy Prussky and Mr. Ronald Steinberg
• Mr. and Mrs. Michael Rabieh
• Dr. and Mrs. Anthoney Rebuck
• Ms. Guinnevere Roberts and Mr. Timothy D. Male
• Mr. and Mrs. James Sallinger
• Ms. Maxine Savitz
• Ms. Kerri Scharr and Dr. Daniel Weiner
• Mr. Roger A. Seltzer
• Mr. Jamie Shields and Ms. Shawna Colvin
• Mr. and Mrs. Murray A. Silver
• Mr. and Mrs. Hy Spector
• Ms. Ann M. Spruill
• Dr. and Mrs. Howard Stevens
• Dr. Ali Taradash and Mr. Jeremy Dacks
• Dr. Joshua Tepper
• Dr. and Mrs. George Theodosiou
• Dr. Kathryn Tinckam and Mr. Takashi Yamahito
• Ms. Donna Valikoff
• Mr. and Mrs. George Weinberger
• Dr. and Mrs. Kenneth Wener
• Rabbi Eric and Amy Yoffie
• Dr. and Mrs. Harvey Zimmerman

Corporate/Institutional Donors

• Grantham, Mayo, Van Otterloo & Co., LLC (Matching gift)
• The Ira Gluskin & Maxine Granovsky Gluskin Charitable Foundation

2019 Inker Family Fund Updates

We are grateful for the many donations to the Inker Family Fund in 2019:

• Anonymous
• Anonymous
• Mr. Dennis J. Balog
• Mr. Craig Baskin
• Mr. and Mrs. Christopher J. Carchidi
• Ms. Jennifer Chu
• Ms. Mary E. Gilbert
• Mrs. Anne Indelicato
• Dr. Lesley Inker and Mr. Benjamin Inker
• Island Foundation
• Mr. Jeremy Lapon
• The Constance S. Marchiel Trust
• Mr. and Mrs. John N. Previti
• The Sarnak Family
• Mrs. Lina Weidman and Mr. Scott Weidman
• Dr. Daniel E. Weiner
• Ms. Elizabeth Wenger
• Mr. Wai Wong
Dr. Gerald J. and Dorothy R. Friedman Professorship in Medicine at Tufts University School of Medicine

The Dr. Gerald J. and Dorothy R. Friedman Professorship in Medicine at Tufts University School of Medicine was established in 2000 with Dr. Andrew S. Levey as its first recipient. The fund is used to support the operations for clinical care, research, and education in nephrology within the Division.

Gerald J. Friedman, MD was an internist known as a superb diagnostician, as well as a specialist in diabetes, cardiac disease, endocrinology, and nutrition. A lifelong New Yorker, Dr. Friedman earned his bachelor’s and medical degrees from New York University College, returning to teach there for most of his career. After serving as commanding officer at the 222nd Station Hospital in World War II, he joined the staff of Beth Israel Medical Center in New York, where he remained for the rest of his career, serving on almost every significant committee and as President of the Medical Board.

Dr. Friedman always maintained an active practice and a reputation for thorough physical examinations in the city. For more than 30 years beginning in 1957, he was also international medical director for the United Parcel Service, and an active member of the Industrial Medical Association.

He wrote extensively on the management of diabetes, especially in the workplace, at a time when many employers discriminated against people with diabetes. He also helped the New York Diabetes Association establish a summer camp in upstate New York for children with diabetes.

While playing saxophone during his days as a medical intern, Dr. Friedman met and married Dorothy Ross, a Boston-born jazz pianist and recording artist. While Mrs. Friedman stopped performing professionally after her husband finished his residency, her private playing always entertained the Ross and Friedman families and friends.

Dr. Friedman died on November 25, 2004 at the age of 91. He was survived by his wife Dorothy and his niece, Jane Friedman.

William B. Schwartz Nephrology Fund

Bill Schwartz founded the Division of Nephrology at Tufts Medical Center in 1950 and served as its chief until 1971. He developed the Division into a preeminent referral center for patients with kidney diseases in the New England region and beyond, and he cared personally for hundreds of patients. He made landmark discoveries that revolutionized our understanding of the pathophysiology and management of acid-base and electrolyte disorders. But most importantly, he created a school of rigorous pathophysiological thought and analytical reasoning, whose graduates have contributed greatly to the field of nephrology.

We have endeavored to preserve Dr. Schwartz’s academic legacy by establishing the William B. Schwartz Nephrology Fund. The fund was created in 2000 by charitable gifts to Tufts Medical Center on the 50th anniversary celebration of the founding of the Division and reunion of faculty and trainees. The Fund supports a number of academic initiatives of the Division, including research...
and training opportunities for both junior and senior investigators within the Division.

We are extremely honored by the following Founding Gifts to the *William B. Schwartz Nephrology Fund*:

**Individual Donors**

- Mr. and Mrs. John P. Brogan
- Dr. John Harrington
- Dr. Jerome and Sheridan Kassirer
- Dr. Andrew Levey and Dr. Roberta Falke
- Dr. David and Lynn Lowance
- Drs. Nicolaos and Ourania Madias
- Dr. Dwight and Rhonda Makoff
- Dr. Mark and Judy Needle
- Dr. Brian and Dr. Sunita Pereira
- Dr. Jill Speigel

**Corporate/Institutional Donors**

- AMGEN, Inc.
- Dialysis Clinic, Inc. Boston
- Genzyme
- Merck & Co.
- Ortho BioTech

**2019 William B. Schwartz Fund Updates**

- In 2019, funds from the William B. Schwartz Fund were used to provide support for our research fellows.
- We appreciative receiving gifts to the *William B. Schwartz Fund* in 2019 from the following:
  
  - Mr. Joseph Cesario
  - Dr. and Mrs. Howard Garfinkel

**Dr. John T. Harrington Endowed Fund**

The *Dr. John T. Harrington Endowed Fund* was created in 2006. It was established by charitable gifts to Tufts Medical Center in honor of Dr. Harrington’s 70th birthday. Through his outstanding career, Dr. Harrington, Dean Emeritus at TUSM, played a vital role in Tufts Medical Center’s Division of Nephrology. Widely known as a gifted nephrologist who brought long-term hope to seriously-ill patients, his contributions to the field of Nephrology are many. In the early 1970s, Dr. Harrington developed the hemodialysis, peritoneal dialysis and kidney transplant programs. Another of his most notable contributions to medical education and nephrology was his leadership of the “Nephrology Forum” in *Kidney International*, the official journal of the International Society of Nephrology. The Forum served as an invaluable resource of information and perspective for nephrologists around the globe for over 25 years.
The Dr. John T. Harrington Endowed Fund supports a mission that Dr. Harrington held near and dear — the continuous medical education of physicians, both young and more senior, on the delivery of the highest-quality care possible to patients suffering from kidney disease. Each year, the Harrington Fund supports a Visiting Professor in the Division of Nephrology to participate in the evaluation of the Division’s research training program and to speak at Grand Rounds in the Department of Medicine. In addition, the Harrington Fund can support other educational programs and initiatives within the Division, include innovative research projects that require seed funding and special patient care projects.

We are very grateful for the following Founding Gifts for the Dr. John T. Harrington Endowed Fund:

**Individual Donors**

- Mr. Thomas F. and Mrs. Mary J. Shields
- Mr. and Mrs. John P. Brogan
- Drs. Nicolaos and Ourania Madias
- Dr. and Mrs. Howard B. Garfinkel
- Dr. and Mrs. James A. Strom

**Corporate/Institutional Donors**

- Dialysis Clinic, Inc.
- Tufts University School of Medicine
- Merck & Co., Inc.

Visiting Professors:

**1st Annual John T. Harrington Grand Rounds—2007**
Nicolaos E. Madias, MD, Visiting Professor
St. Elizabeth’s Medical Center
*Shared Primacy of Sodium and Potassium in the Pathogenesis of Hypertension*

**2nd Annual John T. Harrington Grand Rounds—2008**
Sharon Moe, MD, Visiting Professor
University of Indiana
*Chronic Kidney Disease: Looking for Bone in All the Wrong Places*

**3rd Annual John T. Harrington Grand Rounds—2009**
Eberhard Ritz, MD, Visiting Professor
Department of Internal Medicine Ruperto Carola University of Heidelberg, Germany
*The World Kidney Day: The Kidney and Hypertension*

**4th Annual John T. Harrington Grand Rounds—2010**
Bertram Kasiske, MD, Visiting Professor
Professor of Medicine. Head of Transplant Nephrology at the University of Minnesota, Director of the Renal Division at Hennepin County Medical Center
*Guidelines for the Management of Kidney Transplant Patients*
5th Annual John T. Harrington Grand Rounds—2011
Jonathan Himmelfarb, MD, Visiting Professor
Professor of Medicine, Joseph W. Eschbach Endowed Chair for Kidney Research from the University of Washington Division of Nephrology, Seattle WA
Kidney Disease as a Public Health Problem: Problems, Progress, and Prospects

Adeera Levin, MD, Visiting Professor
Staff nephrologist at St. Paul’s Hospital
Professor at the University of British Columbia in Vancouver, British Columbia.
Global Burden of CKD: Challenges and Opportunities

7th Annual John T. Harrington Grand Rounds—2013
Josef Coresh, MD, PhD, Visiting Professor
G.W. Comstock Professor of Epidemiology, Biostatistics & Medicine
Director, George W. Comstock Center for Public Health Research and Prevention and the Cardiovascular Epidemiology Training Program
Johns Hopkins University
Chronic Kidney Disease — A Challenge for All Ages

8th Annual John T. Harrington Grand Rounds—2014
Kai-Uwe Eckardt, MD, Visiting Professor
Professor of Medicine and Head of the Department of Nephrology and Hypertension
University of Erlangen-Nuremberg, Germany
Getting a Handle on CKD—an Observational Approach

9th Annual John T. Harrington Grand Rounds—2015
Joachim Ix, MD, MAS, FASN, Visiting Professor
Chief of Nephrology and Professor of Medicine
University of San Diego
Calcium and Phosphate in Chronic Kidney Disease: Insights into their Associations with Cardiovascular Disease

John Gill, MD, MS, Visiting Professor
Professor with Tenure
Department of Medicine, Division of Nephrology
Research Scientist Center for Health and Evaluation and Outcome Science University of British Columbia
Living Kidney Donation

11th Annual John T. Harrington Grand Rounds—2017
Ebony Boulware, MD, MMPH, Visiting Professor
Professor
Chief, Division of General Internal Medicine
Director, Duke Clinical and Translational Science Award
Vice Dean for Translational Sciences
In Search of a Magic Bullet: How Do We Get Patients the Treatments They Want?
12th Annual John T. Harrington Grand Rounds—2018
Katherine R. Tuttle, MD, FASN, FACP, Visiting Professor
Executive Director of Providence Medical Research Center, Providence Sacred Heart Medical Center
Clinical Professor of Medicine, Nephrology Division, University of Washington School of Medicine
*Diabetic Kidney Disease—New Targets for Treatment*

13th Annual John T. Harrington Grand Rounds—2019
Holly J. (Mattix) Kramer, MD, MPH, Visiting Professor
Associate Professor of Medicine
Loyola University Medical Center Department of Public Health Services
*Chronic Kidney Disease: How Primary Providers Impact Care*

2019 Harrington Fund Updates
- Orlando M. Gutierrez, MD, MMSc, the Hilda B. Anderson Endowed Chair in Nephrology Professor
  and head of the Section of Epidemiology and Outcomes Research in the Division of Nephrology at
  the University of Alabama at Birmingham was the visiting professor for the 14th Annual John T.
  Harrington Grand Rounds. His presentation was entitled Moving from Management to Prevention of
  Heart Disease in CKD: The FGF-23 Story.

The Hortense “Diddy” Seybolt Fund for Staff Enrichment in Nephrology
The Hortense “Diddy” Seybolt Fund for Staff Enrichment in Nephrology was established in 2008 by the family
and friends of Diddy Seybolt in recognition of her great appreciation for the compassionate care provided to
her by technicians, nurses, and other medical care providers in conjunction with her dialysis treatments at
Tufts Medical Center and DCI Boston. Mrs. Seybolt was a long-time benefactor of Tufts Medical Center and
a former member of the Hospital's Board of Trustees.
The purpose of the Hortense “Diddy” Seybolt Fund for Staff Enrichment in Nephrology is to support professional development and training in nephrology with a special focus on staff that care for dialysis patients. Examples of professional development and training include participation in conferences, seminars, coursework and other continuing medical education opportunities that will advance the knowledge, skill, and careers of technicians, nurses, and other medical care providers who care for dialysis patients. To support these enrichment activities, it is expected that the Fund will distribute multiple awards every year in the range of $500—$1,500 each, depending on funding available. The awards will provide important recognition to the hardworking staff that cares for dialysis patients and awardees will be acknowledged as receiving support from the Hortense “Diddy” Seybolt Fund for Staff Enrichment in Nephrology.

Mrs. Seybolt’s determination, good humor, grace, and dignity inspired both her fellow dialysis patients and the physicians and staff who were privileged to care for her. Even as she confronted a rigorous treatment for an exhausting chronic illness, she was attentive to the experiences and aspirations of the staff who performed her hemodialysis treatments. The Division is profoundly grateful to her family and friends for memorializing Mrs. Seybolt’s concern and sense of community in this fund.

We are grateful for the following Founding Gifts received:

- The Friends and Family of Hortense “Diddy” Seybolt

2019 Seybolt Fund Updates

- In 2019, proceeds from the Diddy Seybolt Fund provided education for dialysis clinic staff.

Friends of the Division and DCI

We also recognize extraordinary gifts to the Division and the DCI Boston dialysis clinic.

- In 1986, on the occasion of the opening of the DCI’s first dialysis clinic in Boston, Mr. and Mrs. John P. Brogan donated televisions for patients in the clinic.

Information to Make Gifts to the Division

The Division is always appreciative of new gifts. Contributions to the Friedman Fund can be made online at https://www.alumniconnections.com/donate/tufts/ or mailed to:

Tufts University School of Medicine Office of Development & Alumni Relations
136 Harrison Avenue
Boston, MA 02111

For gifts to other funds, provide the specific fund you wish your gift to be directed. Contributions can be made to Tufts Medical Center online at http://tuftsmedicalcenter.org/giving or mailed to:

Tufts Medical Center Development Office
800 Washington Street, Box 231
Boston, MA 02111