We dedicate this year’s report to Scott J. Gilbert, MD for his enthusiasm, dedication, and excellence in teaching at Tufts Medical Center and Tufts University School of Medicine.
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Message from the Chief

Welcome to our 10th Annual Report. This year’s report summarizes all our endeavors: administrative, patient care, research, educational and policy. We have enhanced the front matter pages this year to include the anniversaries of transplantation at the Medical Center and DCI Boston, a tribute to the military service of one of ours, the NKF Spring on the Park Gala tribute, and an In Memorium section to honor the deaths of which we are aware that occurred in 2011. As always, we present our growing family tree. The new front matter additions and the family album can be found on pages 3-16.

We dedicate this year’s annual report to Scott J. Gilbert, MD for his enthusiasm, dedication, and excellence in teaching at Tufts over many years. Scott directs the From Health to Disease course and leads the Renal Section for 2nd year students at the Tufts University School of Medicine. He also oversees the elective in Renal Medicine for 4th year students and coordinates the Division’s educational activities for house staff in Medicine at Tufts Medical Center. He is consistently praised by the students and residents, and as shown below, has won numerous teaching awards.

<table>
<thead>
<tr>
<th>TUSM</th>
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<tbody>
<tr>
<td>Excellence in Teaching</td>
<td>2004-2011</td>
</tr>
<tr>
<td>Alpha Omega Alpha, honorary faculty nominee</td>
<td>2006</td>
</tr>
<tr>
<td>Outstanding Lecturer</td>
<td>2008-09, 2009-10</td>
</tr>
<tr>
<td>Excellence in Teaching, Medicine Clerkship</td>
<td>2008</td>
</tr>
<tr>
<td>Outstanding Teaching in the Pre-Clerkship Years</td>
<td>2009</td>
</tr>
<tr>
<td>Milton O. M’30 and Natalie V. Zucker Clinical Teaching Prize</td>
<td>2010</td>
</tr>
<tr>
<td>Accomplished Teaching in Medicine Clerkship</td>
<td>2010</td>
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</table>

<table>
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<tr>
<th>Tufts MC</th>
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<tbody>
<tr>
<td>Senior Medicine Residents Teaching Award</td>
<td>2003, 2004</td>
</tr>
<tr>
<td>Housestaff Teacher of the Year</td>
<td>2005</td>
</tr>
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</table>

Scott serves as the Division’s Training Program Director, consistently attracting top applicants to our fellowship program and coordinating their educational program so they take their place in a long line of successful program alumni. This year, our clinical training program received a second 5-year accreditation without citation from the ACGME. In addition, Scott was selected as Faculty Fellow in the Tisch College at Tufts University (Medford Campus). He also teaches Renal Physiology at the Sackler School of Graduate Biomedical Sciences, the Friedman School of Nutrition, and Boston University’s School of Engineering. Scott is the Education Editor for the American Journal of Kidney Diseases, and with Daniel E. Weiner, MD, is editing the 6th edition of the National Kidney Foundation Primer on Kidney Disease. Please join me in congratulating Scott for his outstanding achievements as a clinical educator.

As in previous years, caring for patients remains the core of what we do. Research, education, and public policy round out our academic mission, and we have much to be proud of in 2011. Major clinical events of this year include growth of our peritoneal dialysis program at DCI Ball Square in Somerville; DCI’s outstanding clinical performance including Fistula First; ESRD...
Quality Improvement Program; and corporate clinical awards (see pages 46-48). We celebrated the 40th year of kidney transplantation at Tufts with a special Grand Rounds by Donald Hricik, MD, former resident and fellow at Tufts Medical Center, current Chief of the Division of Nephrology at Case Western Reserve University in Cleveland, and renowned transplant physician, and a symposium featuring the founders of the program (pages 3-5). Research highlights include new grants to established and new investigators and continued publication of original investigations in high impact journals (pages 48-61). In particular, Ronald D. Perrone, MD continues to expand the portfolio of clinical trials for polycystic kidney disease and his collaboration with the FDA and the Critical Path Institute in improving trial conduct for this disease. This year, Jonathan Himmelfarb, MD from the Chief of the Division of Nephrology and Joseph W. Eschbach Professor of Medicine at University of Washington in Seattle was the Harrington Visiting Professor to celebrate World Kidney Day in March (page 62). Dr. Weiner and I began our new term leading the editorial team at the American Journal of Kidney Diseases and inaugurated our blog, eAJKD. Next year marks the 10th anniversary of the NKF KDOQI CKD guidelines, with a KDIGO guideline update and a special issue of AJKD. We continue to report on philanthropic support to the Division, including much needed support for our patients from the Inker Family Fund (pages 79-88).

This was another year rich with awards to Division members. Dr. Meyer began his elected term as the President of the National Forum of ESRD Networks; Debbie Mitchell-Dozier, RN received the prestigious Tufts Medical Center Saltonstall Employee Excellence Award; and Elizabeth Fitzgerald received the Patriot Award Certificate of Appreciation. Drs. Balakrishnan, Gilbert, and Sarnak received teaching awards. I was honored at local NKF Spring on the Park Gala for long-term academic achievements, passion and dedication to the kidney community, and commitment to furthering the mission of the National Kidney Foundation (pages 10-11). DCI celebrated its 40th anniversary and the DCI Ball Square Kidney Recruiters placed third in company-wide competition 40 Acts of Service.

We sadly bid farewell to Elizabeth Fitzgerald, the Division business manager for the past 3 years. During this time, Elizabeth’s competence, confidence and calm manner helped us achieve remarkable stability in our clinical and financial operations. She fulfilled a long-time goal by moving to Chicago, where she is now the Director of Cardiology at UIC Health Systems.

Once again, I thank Dr. Richardson for preparing this year’s Annual Report. I hope you enjoy learning about our accomplishments. As always, I welcome your feedback on any aspects of our Division that you would like to hear about. We wish you and your family a happy and successful 2012!

Sincerely yours,

Andrew S. Levey, MD
Chief, William B. Schwartz Division of Nephrology
Tufts Medical Center
Dr. Gerald J. and Dorothy R. Friedman Professor of Medicine
Tufts University School of Medicine
Celebrating 40 Years of Kidney Transplantation

In 2011, the kidney transplantation program at Tufts Medical Center celebrated its 40th anniversary with a series of presentations, a reception, and a mini-symposium.

The day’s presentations started with Medical Grand Rounds presented by a former Tufts Medical Center Nephrology Fellow, continued with historical overviews of transplantation at Tufts Medical Center, and concluded with the current state of affairs.

Kidney Transplantation after a Half Century: A SWOT Analysis
Donald E. Hricik, MD
Chief, Division of Nephrology and Hypertension and Medical Director, Transplantation Services at University Hospitals Case Medical Center in Cleveland, Ohio

Getting Started, The Early Days of Transplantation
Robert S. Schwartz, MD
Professor Emeritus, Tufts University School of Medicine

Initiation of the Kidney Transplant Program at Tufts
John T. Harrington, MD
Dean Emeritus, Tufts University School of Medicine
Advances in Transplant Surgical Technology/Laparoscopic Donation
Richard J. Rohrer, MD
Chief, Division of Transplant Surgery; Director, Kidney Transplant Program, Tufts Medical Center
Professor and Vice Chairman, Department of Surgery, Tufts University School of Medicine

“I feel our program comes as close as possible to offering the best of both worlds. We have enough history and experience to take on the toughest cases, yet we’re small enough to get to know our patients and give them personalized attention.”
Richard Rohrer, MD

Evolution of Living Kidney Donation
Ronald D. Perrone, MD
Associate Chief, Division of Nephrology; Medical Director, Kidney Transplant Program, Tufts Medical Center
Professor of Medicine, Tufts University School of Medicine

Transplantation of Incompatible Donor-Recipient Pairs
Lisa McDevitt-Potter, PharmD, BCPS, FCCP
Clinical Specialist in Organ Transplantation, Tufts Medical Center
Clinical Associate Professor of Surgery, Tufts University School of Medicine

Panel Discussion: Transplant as Management for Acute and Chronic Illness
Donald Hricik, MD; Andrew Levey, MD Chief William B. Schwartz Division of Nephrology; John Mazullo, MD; Katherine Saunders, MSW, LICSW, CCTSW, Transplant Social Worker; Debra Basler, ANP-BC, Kidney Transplant Coordinator
1,210 kidney transplants have been performed from the program’s beginning through December 2011.
DCI Boston’s 25th Anniversary

In 2011, DCI Boston celebrated 25 years of providing outstanding patient care.
Honoring the Military Service of “One of Ours”

We are honored to recognize Debbie Mitchell-Dozier, RN, Kidney and Blood Pressure Center Nurse, for her **30 years** of military service. She has been a Division member since June 2005.

Debbie is currently assigned to the 11<sup>th</sup> Battalion 98<sup>th</sup> Regiment, Fort Devens, MA, a Medical Training Unit for Combat Medic Soldiers. Debbie works as an instructor training others on proper stabilization and safe transport techniques for injured soldiers in combat, as well as medical care and triage. In her military role she is on duty 20 days during the summer and one weekend each month.

“My employment with Tufts Medical Center Nephrology Division over the past 6 years has afforded me the unique opportunity to not only work full time in a field of medicine that is near and dear to me, but it has also offer the opportunity for me to satisfy my military obligations.”

In addition to her military service, Debbie has both given and received awards in the last year:
Debbie applied to have the Division recognized by the Employer Support of the Guard and Reserve (ESGR) on behalf of the Department of Defense. In March, Business Operations Manager Elizabeth Fitzgerald, and the Division of Nephrology were honored with the Patriot Award Certificate of Appreciation.

Debbie received the Saltonstall Award in April which identified her as a true leader in service for providing the best possible care for our patients.

This past fall, Debbie realized a dream she has had since she began her nursing career and enrolled in the Masters Program in Nursing at Chamberlain College of Nursing.

“I want to offer my personal thanks and my appreciation to Elizabeth Fitzgerald and the entire Nephrology Division for their unwavering support and encouragement of my dual-careers as I am convinced that my military experience helps to make me a more rounded and versatile nurse.”
NKF Spring on the Park Gala Tribute to Dr. Levey

On Friday, April 1\textsuperscript{st} at the Four Seasons Hotel in Boston the NKF honored Andrew S. Levey, MD for his long-term academic achievements, passion and dedication to the kidney community, and commitment to furthering the mission of the National Kidney Foundation. Moving tributes were given by Drs. Madias, Perrone, and Inker. Andy was joined by over 100 members of the Division, friends, and family at the event.
Division Family Tree

2011 Additions

The Division family continued to grow in 2011, with 5 more babies being born to or adopted by Division members. In the past 5 years, 31 babies have joined the Division. The boy’s have a slight edge on the little league team—Girls 15; Boys 16!

Anna Gracyn (with big brother Carter)
born to Julie & Charlie Driggs
February 2nd at 12:58 am; 8 lbs, 3 oz

Oghenetega Neri
born to Efe & Aghogho Okparavera
May 25th at 10:52 am; 8 lbs, 14 oz

Alexander Charles
born to Lesley and Ben Inker
October 30th at 7 am; 7 lbs, 9 oz

Hasan Ali (with big brother Kazim)
born to Ibraheem Abbas and Farheen Raza
November 9th; 6 lbs, 1 oz
Grandchildren

Ethan Mathew Joseph
born to Alin John and Justin Joseph
November 19th at 6:24 am; 8 lbs, 1 oz

Nicolaos Christopher
with Big Sister Nia and Dad Chris Madias
(son of Nick Madias—the proud grandfather)
June 30 at 10:22 am; 9 lb, 6 oz; 21”
In Memorium

William C. Waters, Ill MD
December 12, 1929—March 29, 2011

Dr. William C. Waters III died at 81 years of age of complications from prostate cancer. Dr. Waters practiced internal medicine and nephrology for 44 years. Dr. Waters was a nephrology fellow under Division founder Dr. Schwartz and a graduate of Emory Medical School. Drs. Schwartz and Waters published the first clinical description of spontaneous lactic acidosis.

"He often taught me more than I taught him. He and I were the first to treat the now-famous Barbara Farrell, and he was one of three participants in an infamous snowball fight. He had a great sense of humor. A great guy."

Jerry Kassirer

Dr. Waters initiated many novel programs. While on faculty at Emory Medical School, he was instrumental in developing the chronic dialysis program in Atlanta. In addition, he was nephrology team leader of the first kidney transplant program in the Southeast. He also helped originate the Problem-Based Learning program at Emory and served as a mentor for the small-session seminars. He wrote 35 papers on various internal medical and nephrology topics, and contributed chapters to the well-known cardiology textbook The Heart. Writing for the general public became a passion in his later life, and he wrote The Grand Disguise, which characterized the problems and solutions for medicine. In fall of 2005, he published a novel, Before I Sleep, detailing the activities and thoughts of an internist during 24 hours on call. His latest book was entitled Two Days That Ruined Your Health Care.
He served the profession of medicine in many capacities. For 7 years he served as the Chairman of Internal Medicine at Piedmont and for 20 years he was a member of the Governing Board. Dr. Waters was also the Governor for Georgia of the American College of Physicians and was a Board member of the Medical Association of Georgia for 14 years.

Dr. Waters received the first Internist-Laureate award from the Georgia Chapter of the American College of Physicians; was elected a Master of American College of Physicians; and received the Distinguished Service Award of the Georgia Hospital Association for his achievements in healthcare.

Albert A. DellaCroce
July 21, 1932—August 23, 2011

Albert Dellacroce died at 79 years of age after a series of illnesses. In 1996, “Mr. Al” first volunteered for the Division of Nephrology and DCI. He was such a valuable volunteer that he was hired into a part-time position in 1998 and officially became a DCI employee working with the Outcomes Monitoring Program. Twelve years later, he retired in December 2010. Al's commitment to DCI and the Outcomes Monitoring Program was evident through his dedication and strong work ethic. He was an essential member of our team. Al always came to work with a smile on his face, a joke to tell, and a willingness to do anything that needed to be done. In addition, he was a great resource for patients in the dialysis unit. He loved hot chocolate, warm apple cider and Chinese pork buns.

Al was very devoted to his family: his wife Joan, his son Brian and his daughter-in-law Bethanie. Al’s granddaughters, Sydnie and Laila, were the love of his life. He was always showing coworkers their latest pictures and telling stories of their accomplishments and antics. We miss him dearly.
Laurie Schwartz Naparstek
September 12, 1959—December 8, 2011

Laurie Schwartz Naparstek died at 52 years of age on December 8 shortly after a diagnosis of pancreatic cancer. She was the daughter of William B. Schwartz, founder of the Division of Nephrology at Tufts Medical Center, and granddaughter of Samuel Levin, an internationally known cardiologist.

Laurie earned a BA in education from the University of Massachusetts at Amherst, master degrees in human development from Harvard and Suffolk Universities. She received a doctorate in education from Boston University. For the past 10 years, Laurie worked at the University of Massachusetts.

After her brother Ken died at a young age from lung cancer, Laurie and a small group of family members, friends, and colleagues founded The Schwartz Center for Compassionate Healthcare, an organization dedicated to strengthening the relationship between patients and caregivers. The Center, housed at Massachusetts General Hospital in Boston, sponsors Schwartz Center Rounds at hundreds of hospitals and other healthcare institutions in the U.S. and at nine hospitals in Great Britain. Laurie was one of the Center’s first employees and strongest ambassadors. She served on the Center’s Board at the time of her death.

She was devoted to her friends and family and well known for her kindness, focus on others, compassion and advocacy abilities.
Administration

The William B. Schwartz Division of Nephrology is comprised of 23 full-time and part-time physicians and scientists and 26 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 Sackler School of Graduate Biomedical Sciences at Tufts University. 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.

Photograph by Justin Knight

2011 William B. Schwartz Division of Nephrology
Location

The Division maintains offsite and onsite ambulatory, dialysis, and inpatient operations, with administrative and research operations located within the Tufts Medical Center campus. The location of activities performed both onsite at Tufts Medical Center and at offsite affiliates are listed in Table 1 and Table 2, respectively.

Table 1: Onsite 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>35 Kneeland Street</td>
<td>1&lt;sup&gt;st&lt;/sup&gt;</td>
<td>American Journal of Kidney Diseases Editorial Offices</td>
</tr>
<tr>
<td></td>
<td>4&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Kidney and Blood Pressure Center (KBPC) and KBPC Staff</td>
</tr>
<tr>
<td></td>
<td>5&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Outpatient dialysis services provided by DCI</td>
</tr>
<tr>
<td></td>
<td>5&lt;sup&gt;th&lt;/sup&gt; &amp; 6&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Division support operations and physician and research staff offices</td>
</tr>
<tr>
<td>Ziskind</td>
<td>7&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Dr. Balakrishnan’s research lab</td>
</tr>
<tr>
<td>Floating</td>
<td>7&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Inpatient dialysis services provided by DCI</td>
</tr>
<tr>
<td>North</td>
<td>7&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Primary location for inpatient ward service</td>
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Table 2: Offsite Clinical Nephrology Activities Affiliated with Tufts Medical Center

<table>
<thead>
<tr>
<th>Area</th>
<th>Physicians</th>
<th>Practice Sites</th>
<th>Services Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concord</td>
<td>Andrei Kouznetsov, MD</td>
<td>• Pratt Medical Group Nephrology and Hypertension</td>
<td>• Outpatient nephrology</td>
</tr>
<tr>
<td></td>
<td>Valerie R. Price, MD</td>
<td>• Emerson Hospital, Whittier Rehab</td>
<td>• Inpatient consultation and dialysis services</td>
</tr>
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<td></td>
<td>Klemens B. Meyer, MD</td>
<td>• DCI Walden Pond</td>
<td>• Outpatient dialysis services</td>
</tr>
<tr>
<td>Greater Boston</td>
<td>Michael B. Cohen, MD</td>
<td>• Hospital-based clinics at Lawrence Memorial, Melrose-Wakefield and St. Elizabeth’s Medical Center hospitals</td>
<td>• Outpatient nephrology</td>
</tr>
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<td></td>
<td>Anthony Z. Dash, MD</td>
<td>• St. Elizabeth’s Medical Center, Kindred, Lawrence Memorial, Melrose-Wakefield, Mt. Auburn and Whidden hospitals</td>
<td>• Inpatient consultation and dialysis services</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DCI Ball Square, St. Elizabeth’s Medical Center, Cambridge, Malden, Medford, Saugus, Stoneham, and Woburn dialysis units</td>
<td>• Outpatient dialysis services</td>
</tr>
</tbody>
</table>
Staffing

Physician Staff

Andrew S. Levey, MD, FNKF, Chief
Ronald D. Perrone, MD, Associate Chief
V. S. Balakrishnan, MD, MRCP, PhD
Jeanine A. Carlson, MD
Michael B. Cohen, MD
Anthony Z. Dash, MD
Scott J. Gilbert, MD, FASN
Lesley A. Inker, MD, MS, FRCPC
Annamaria T. Kausz, MD, MS
Andrei Kouznetsov, MD
Amy B. Kuhlik, MD
Klemens B. Meyer, MD
Dana C. Miskulin, MD, MS, FRCPC
Brian J.G. Pereira, MD, MBA
Monika Pilichowska, MD, PhD
Valerie R. Price, MD
Madhumathi Rao, MD, PhD, FRCPE
Mark J. Sarnak, MD, MS, FASN
Carmen Castaneda Sceppa, MD, PhD
Katrin Uhlig, MD, MS
Ashish Upadhyay, MD
Daniel E. Weiner, MD, MS, FNKF

Dr. Gerald J. and Dorothy R. Friedman Professor of Medicine
Associate Professor of Medicine
Associate Clinical Professor of Medicine
Assistant Professor of Medicine
Associate Professor of Medicine
Assistant Professor of Medicine
Assistant Professor of Medicine
Dean for Students Affairs, TUSM
Professor of Medicine
Assistant Professor of Medicine
Professor of Medicine
Assistant Professor of Pathology
Assistant Clinical Professor of Medicine
Assistant Professor of Medicine
Assistant Professor in Department of Public Health and Community Medicine
Professor of Medicine
Associate Professor
Director, Graduate Program in Exercise Science
Northeastern University
Adjunct Associate Professor, Nutrition
Friedman School of Nutrition Science and Policy
Associate Professor of Medicine
Assistant Professor of Medicine
Assistant Professor of Medicine

Special and Scientific Staff

Michelle M. Richardson, PharmD, BCPS, FCCP
Assistant Professor of Medicine

Associate Physician Staff

Bertrand L. Jaber, MD, MS, FASN
Associate Professor of Medicine
Vice Chair for Clinical Affairs
Department of Medicine
St. Elizabeth’s Medical Center
Nicolaos E. Madias, MD, FASN
Maurice S. Segal, MD Professor of Medicine
Chairman, Department of Medicine
Academic Dean of TUSM
St. Elizabeth’s Medical Center
## Adjunct Physician Staff

<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miguel Cendoroglo, MD</td>
<td>Associate Professor of Medicine at the Division of Nephrology</td>
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<td></td>
<td>Federal University of Sao Paulo</td>
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<td>Medical Director and Superintendent</td>
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<td>Hospital Israelita Albert Einstein</td>
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<td>Sao Paulo, Brazil</td>
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<td></td>
<td>Board Member</td>
</tr>
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<td>National Association of Private Hospitals in Brazil</td>
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<tr>
<td>John S. Gill, MD, MS</td>
<td>Associate Professor of Medicine</td>
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<td></td>
<td>Transplant Fellowship Director</td>
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<tr>
<td></td>
<td>University of British Columbia and St. Paul's Hospital</td>
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<td></td>
<td>Vancouver, Canada</td>
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<tr>
<td>Tazeen H. Jafar, MD, MPH</td>
<td>Director, Clinical Epidemiology Unit</td>
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<td>The Noormahomed Pirmahomed Sheriff Professor</td>
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<td>(Nephrology &amp; Community Health)</td>
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<td></td>
<td>Department of Medicine</td>
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<td>Department of Community Health Sciences</td>
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<td>Aga Khan University</td>
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<td>Karachi, Pakistan</td>
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<tr>
<td>Gregorio T. Obrador, MD, MPH</td>
<td>Professor of Medicine</td>
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<td>Dean</td>
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<td>Panamerican University School of Medicine</td>
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<td>Mexico City, Mexico</td>
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<tr>
<td>Martin Wagner, MD, MS</td>
<td>Adjunct Instructor</td>
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<td></td>
<td>Resident/Fellow</td>
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<tr>
<td></td>
<td>Department of Medicine I, Division of Nephrology</td>
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<td></td>
<td>University Hospital of Würzburg, Germany</td>
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<td></td>
<td>Würzburg, Germany</td>
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## Faculty Emeriti

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<th>Name</th>
<th>Title/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>John T. Harrington, MD</td>
<td>Professor of Medicine</td>
</tr>
<tr>
<td></td>
<td>Dean Emeritus, TUSM</td>
</tr>
<tr>
<td>Jerome P. Kassirer, MD</td>
<td>Distinguished Professor</td>
</tr>
<tr>
<td></td>
<td>Special Assistant to the Dean, TUSM</td>
</tr>
</tbody>
</table>

## Management Staff

<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Institution</th>
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<tbody>
<tr>
<td>Geneva Tucker</td>
<td>Business Operations Manager</td>
</tr>
<tr>
<td></td>
<td>William B. Schwartz Division of Nephrology and Pratt Medical Group Nephrology and Hypertension, Concord</td>
</tr>
<tr>
<td>Krista Boisclair, MS</td>
<td>Research Administrator II</td>
</tr>
<tr>
<td>Kelley McCue, BA</td>
<td>Research Administrator II</td>
</tr>
</tbody>
</table>
Faculty Descriptions

Andrew S. Levey, MD

Dr. Levey’s interests are in patient care, research, clinical practice guidelines, training in research and education, and health care policy related to chronic kidney disease (CKD).

His patient care interests are in CKD, diabetic kidney disease, polycystic kidney disease, and systemic lupus erythematosus.

His research interests include measurement and estimation of kidney function, epidemiology of CKD, treatments to slow the progression of CKD, cardiovascular disease in CKD, nutrition in CKD, and assessment of outcomes in patients treated by dialysis and kidney transplantation. Dr. Levey has been at the forefront of the development of equations to estimate glomerular filtration rate (GFR) from serum creatinine using large databases, including the widely-used Modification of Diet in Renal Disease (MDRD) Study equation. He led the NIDDK-sponsored CKD Epidemiology Collaboration (CKD-EPI) to pool databases from other studies to develop improved estimating equations based on serum creatinine and cystatin C. In addition, he has a long history of participating in multicenter clinical trials and clinical investigations. He was the principal nephrologist co-investigator for the NIDDK-sponsored MDRD Study, a randomized trial of diet and blood pressure control in CKD. He was Principal Investigator for the ACE Inhibition in Progressive Renal Disease (AIPRD) Study Group, a collaboration of investigators who have pooled individual patient data on clinical trials of ACE inhibitors in nondiabetic kidney disease. He was Principal Investigator for the NIDDK-sponsored Hemodialysis (HEMO) Study, comparing the standard dose of dialysis with high dose of dialysis. He was also the principal nephrologist co-investigator for the AHRQ-sponsored CHOICE Study, a Patient Outcomes Research Team, studying kidney failure treated by dialysis. More recently, he has served as a member of the Executive Committees of the Trial to Reduce Cardiovascular Events with Aranesp Therapy (TREAT), comparing erythropoiesis stimulating agents to placebo for treatment of anemia in diabetic kidney disease and Folic Acid for Vascular Outcome Reduction in Transplantation (FAVORIT), comparing folic acid to placebo in kidney transplant recipients. He is a founding member of the Chronic Kidney Disease Prognosis Consortium (CKD-PC), currently including 46 cohorts with data on more than 2 million people, investigating the relationship of estimated GFR and albuminuria and other risk factors to clinical outcomes in the general population, high-risk and CKD populations.

Dr. Levey is a widely recognized authority on clinical practice guidelines in CKD. He led the National Kidney Foundation (NKF) Task Force on Cardiovascular Disease in 1998. He was the Chair for two NKF Kidney Disease Outcome Quality Initiative (KDOQI) Work Groups. “Chronic Kidney Disease: Evaluation, Classification and Stratification of Risk” was published in 2002. “Hypertension and Antihypertensive Agents in Chronic Kidney Disease” was published in 2004. He is a member of the ongoing KDIGO Workgroups on Acute Kidney Injury and Chronic Kidney Disease Update. He has led three Kidney Disease Improving Global Outcomes (KDIGO) conferences. In 2004, the conference addressed definition and classification of CKD and in 2006 the conference addressed public health approaches and initiatives. In 2009, the conference addressed prognosis in CKD. He is Director of the Tufts Center for Kidney Disease Guideline Development and Implementation at Tufts Medical Center.

Dr. Levey’s interests in training are focused primarily at the level of post-graduate fellowship training and mentoring junior faculty. He directs the large research fellowship-training program of the Division. He is Principal Investigator of the Division’s 15-year NIDDK grant (T32)
“Epidemiology, Clinical Trials and Outcomes Research”. The research training program is also funded by grants and contracts from foundations and industry.

Dr. Levey’s contributions to policy are focused primarily on guideline implementation, quality improvement, and public policy related to CKD. He was a member of the National Kidney Disease Education Program (NKDEP) of the NIDDK. He has been the Editor-in-Chief of the *American Journal of Kidney Diseases* since 2006. He co-chaired the 2007 technical expert panel sponsored by the Centers for Disease Control and Prevention on “Comprehensive Public Health Strategies for Preventing the Development, Progression, and Complications of Chronic Kidney Disease” and the 2008 workshop sponsored by NKF and Food and Drug Administration on “Proteinuria as a Surrogate Outcome in Chronic Kidney Disease.”

**Ronald D. Perrone, MD**

Dr. Perrone’s *patient care interests* are in polycystic kidney disease, general nephrology, and kidney transplantation medicine. He is the Director of the Polycystic Kidney Disease Center.

His *research interests* are largely focused in the area of polycystic kidney disease, including slowing progression and determining the natural history of the extrarenal complications. In prior studies, he addressed the mortality of extrarenal complications of polycystic kidney disease after kidney failure treated by dialysis. Dr. Perrone also is the Principal Investigator of the Boston Patient Care Center of a NIH-funded multi-center clinical trial (HALT Progression in PKD, part of the Polycystic Kidney Disease Clinical Trials Network). This study uses angiotensin converting enzyme inhibitors in combination with angiotensin receptor blockers to slow the progression of polycystic kidney disease and utilizes the unique endpoint of kidney volume growth as assessed using magnetic resonance imaging. Tufts Medical Center is one of the four national HALT-PKD Study centers that is conducting this 6-year, $25 million study sponsored by the NIH. Drs. Perrone (the PI) and Miskulin direct the study that started in the winter of 2006.

Dr. Perrone is the Tufts Medical Center Principal Investigator and member of the global Steering Committee for the TEMPO 3/4 study. TEMPO 3/4 is a global trial that is addressing the efficacy of the vasopressin-receptor antagonist tolvaptan to slow progression of polycystic kidney disease. The unique endpoint of kidney volume growth will be assessed using magnetic resonance imaging. Tufts Medical Center is one of 100 international TEMPO 3/4 Study centers.

Dr. Perrone is the clinical leader and co-director of the Polycystic Kidney Disease Outcomes Consortium sponsored by the Polycystic Kidney Disease Foundation. This group is composed of representatives from FDA, the Critical Path Institute, the Clinical Data Interchange Standards Consortium, multiple pharmaceutical companies, and representatives of Mayo Clinic, Emory University, Tufts Medical Center, and the University of Colorado Medical Center. The goal is to develop consensus data elements to use in clinical investigation of polycystic kidney disease; using these consensus data elements, existing data from long-term registries and clinical trials will be combined and used to develop a quantitative disease model to assess the impact of increased total kidney volume in patients with polycystic kidney disease.

**Vaidyanatha S. Balakrishnan, MD, MRCP, PhD**

Dr. Balakrishnan’s *clinical* specialties are CKD, dialysis, transplantation, and the treatment of kidney stones. His *research interests* focus on factors modulating inflammation and oxidative stress and their impact on clinical outcomes among patients with CKD, particularly those on
hemodialysis. He is interested in the impact of pro-inflammatory and anti-inflammatory cytokines and cytokine-specific inhibitory proteins on clinical outcomes in patients on hemodialysis. In recent years, Dr. Balakrishnan’s research has focused on the role of genetic factors, particularly single nucleotide polymorphisms involving the cytokine genes, modulating the micro-inflammatory state and clinical outcomes among hemodialysis patients. He has also focused his attention on the mitochondrial genome and mitochondrial biogenesis and their impact on the complications associated with CKD. Dr. Balakrishnan has received several research awards for his work on oxidative stress and inflammation. He is the Director of Continuing Medical Education for the Division and coordinates research conferences and visiting professorships.

Jeanine A. Carlson, MD

Dr. Carlson’s primary appointment is within the Division of General Medicine and her clinical practice is within the Pratt Diagnostic Center. She continues to be an active nephrologist, with particular expertise in the medical complications of pregnancy. The Pratt Diagnostic Center is a concierge-style medical practice that is offered to patients who want to spend more time with their doctors, while exploring preventative and wellness techniques. Patients pay an annual fee for this service, and the funding benefits Tufts Medical Center’s primary care practice, General Medical Associates.

Michael B. Cohen, MD

Dr. Cohen practices primarily at Melrose-Wakefield 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 Co-Medical Director at the DCI Ball Square dialysis unit in Somerville. Additionally he is involved with teaching medical students, residents, and fellows in nephrology.

Anthony Z. Dash, MD

Dr. Dash practices primarily at Lawrence Memorial Hospital and St. Elizabeth’s Medical Center (SEMC). 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. Dash is the Co-Medical Director at the DCI Ball Square dialysis unit in Somerville.

Scott J. Gilbert, MD, FASN

Dr. Gilbert coordinates educational activities within the Division. He is 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 second year course From Health to Disease, leader of the Renal section, and coordinates the fourth year Consultative Nephrology elective. He sits on the steering committees for the Learning Communities and the Community Service Requirement. Dr. Gilbert’s other educational activities include teaching Renal Pharmacology at the Sackler School of Graduate Biomedical Sciences, the Renal Section of Nutritional Biochemistry and Physiology in the Friedman School of Nutrition, and the Renal Unit of Quantitative Physiology for Biomedical Engineers at Boston University School of Engineering. Dr. Gilbert is the Education Editor of the American Journal of Kidney Disease, and the Editor of the Primer on Kidney Disease, 6th Edition. His clinical interests are the treatment of CKD, renal artery stenosis, hemodialysis, and transplantation. Dr. Gilbert’s research interests include the management of lupus nephritis and the treatment of renal artery stenosis. Dr. Gilbert is an Associate Professor of Medicine at TUSM.
Lesley A. Inker (formerly Stevens), MD, MS, FRCP (C)

Dr. Inker’s primary research interests are in kidney function measurement and estimation, as well as epidemiology and outcomes related to CKD. She was 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, using these equations to refine prevalence estimates for CKD from National Health and Nutrition Examination Survey, and evaluating changes in proteinuria as a surrogate marker for kidney disease outcomes in clinical trials. Dr. Inker is the recipient of a K23 career development award, the American Society of Nephrology American Specialty Professors (ASN -ASP) Junior Development Grant in Geriatric Nephrology and the DCI-Paul Teschan Research Fund, all of which focus on projects related to kidney function and aging. The later two awards investigate the validity and reliability of novel ways to measure GFR. Dr. Inker is the principal investigator and director of the Scientific and Data Coordinating Center of a multi-center grant from Gilead Inc to measure kidney function in HIV positive patients. She 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. Dr. Inker is also interested in research and policy related to implementation of CKD Guidelines. She is Program Director, Implementation in the Tufts Center for Kidney Disease Guideline Development and Implementation. She works with NKF leadership and national organizations to implement CKD guidelines, including issues related to GFR estimation and revisions to diagnostic codes for kidney disease. Dr. Inker’s clinical interests are general nephrology, detection and treatment of CKD, geriatric nephrology, HIV-associated kidney disease, and kidney stones. She is the Director for Quality Improvement for the Division.

Bertrand L. Jaber, MD, MS, FASN

Dr. Jaber’s primary appointment is in the Department of Medicine at SEMC where he serves as Vice Chair for Clinical Affairs in the Department of Medicine and he also directs the Kidney and Dialysis Research Laboratory. His research laboratory focuses on the potential utility of genetic, plasma and urinary markers in the prediction of development, early detection, and severity of acute kidney injury as well as adverse clinical outcomes. He also conducts meta-analyses on preventive and treatment strategies for acute kidney injury. He has also been examining the role of more frequent hemodialysis for the treatment of chronic kidney failure. Dr. Jaber is co-editor for the American Journal of Kidney Diseases.

Annamaria T. Kausz, MD

Dr. Kausz is Executive Director of Clinical Research at AMAG Pharmaceuticals, Inc; its chief therapeutic product is an intravenous iron product aimed at optimizing the management of anemia in patients with chronic kidney disease. She remains affiliated with the Division, participating in patient care, research, and other academic activities. Her research has encompassed the evaluation of the care of patients with CKD at all stages, including examination of the impact of the complications associated with decreased kidney function and comorbid conditions on outcomes among patients with CKD. Dr. Kausz’s clinical interests are in CKD, dialysis, transplantation, and pediatric nephrology.

Andrei Kouznetsov, MD

Dr. Kouznetsov practices at Emerson Hospital and the Pratt Medical Group Nephrology and Hypertension office in Concord. Dr. Kouznetsov is also the Associate Medical Director of Walden Pond DCI in Concord. His clinical specialties are CKD, hypertension, dialysis, transplantation, and general nephrology.
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.

Nicolaos E. Madias, MD, FASN

**Dr. Madias**’ primary appointment is in the Department of Medicine at St. Elizabeth’s Medical Center (SEMC). He is Chairman of the Department of Medicine at SEMC, 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 several projects on the epidemiology and management of hyponatremia and the assessment of acid-base disorders.

Klemens B. Meyer, MD

**Dr. Meyer** is Director of Dialysis Services at Tufts Medical Center, Medical Director at Dialysis Clinic Inc. (DCI) Boston and DCI Walden Pond, Medical Director for the Home Dialysis Program at DCI Ball Square, and Professor of Medicine at TUSM. Dr. Meyer’s *clinical interests* are CKD, dialysis, and kidney transplantation. His *teaching interests* involve the techniques of interpersonal care and end-of-life care. Dr. Meyer’s *research interests* are dialysis informatics and the measurement of patient experience and of 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, guiding the work of a team of more than 60 information technology staff and four nursing informatics specialists. Dr. Meyer serves on the Board of Directors of the ESRD Network of New England. He is President of the Board of Directors of the National Forum of ESRD Networks, and represents the Forum on the United States Renal Data System External Advisory Committee.

Dana C. Miskulin, MD, MS, FRCP (C)

**Dr. Miskulin** is the recipient of a K23 Career Development Award from the NIDDK pertaining to the measurement of case-mix severity in dialysis patients and its application to clinical trials and the assessment of quality of care of dialysis patients. Dr. Miskulin also directs the DCI Comorbidity Assessment Project whose goal is to develop and implement procedures for the collection of comorbidity information and adjustment for comorbidity in reporting the quality of care provided at DCI facilities. Dr. Miskulin is also a Co-Investigator for the HALT-PKD Study. Her *clinical interests* are in general nephrology, polycystic kidney disease, and kidney stones.

Brian J.G. Pereira, MD, MBA

**Dr. Pereira** is the former President and Chief Executive Officer of AMAG Pharmaceuticals, Inc, and retains his appointment within the Division. He has three major areas of *research interest*. In the laboratory he is interested in cytokines and cellular mechanisms in dialysis; his work in clinical trials focuses on hepatitis in dialysis and transplantation; and finally his interest in outcomes and economics focus on the indices and costs of care among patients with CKD. He has mentored more than 25 post-doctoral trainees, the majority of who are in senior leadership positions in academia and industry in the US and abroad. He is Chairman of the Board of Directors of Biodel, Chairman of the Board of the Harvard-MIT Biomedical Enterprise Program and member of the Board of Trustees of the American India Foundation and Youth That Care, Inc.
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.

Valerie R. Price, MD

Dr. Price practices at Emerson Hospital and the Pratt Medical Group Nephrology and Hypertension office in Concord. Her areas of interest include acute kidney injury and chronic kidney failure, management of chronic dialysis patients, and electrolyte disorders. In addition, Dr. Price works closely with community urologists to manage kidney stone disease. She volunteers at a local school, teaching children about anatomy and physiology.

Madhumathi Rao, MD, PhD, FRCP (E)

Dr. Rao’s research interests include the metabolic and inflammatory complications of CKD and their genetic basis. She is a recipient of a K23 career development award from the NIDDK to study candidate genetic polymorphisms in cardiovascular and kidney disease progression among patients with CKD and diabetic kidney disease, and an R-21 award and the NKF Young Investigator award, to study the role of mitochondrial genetic injury in the anemia of CKD. She has received funding from the Paul Teschan Research Fund and Amgen to evaluate the role of mitochondrial dysfunction in anemia, inflammation and cardiovascular disease among dialysis patients. She is currently researching the role of the gut microbiota in the genesis of inflammation in dialysis patients. Dr. Rao has an active collaboration in Southern India to study the epidemiology of CKD in developing countries. She also works with the Tufts Evidence Practice Center looking at comparative effectiveness of diagnostic and device interventions. She co-teaches the genetic epidemiology course in the Master of Science Program at the Sackler School of Graduate Biomedical Sciences at Tufts University and is the course director for cardiovascular epidemiology for the MD-MPH course in the Tufts University School of Medicine. In addition Dr. Rao serves on the Institutional Review Board and the Scientific Advisory Committee. Her clinical interests include critical care nephrology, genetic kidney disease and renal bone disease.

Michelle M. Richardson, PharmD, FCCP, BCPS

Dr. Richardson’s research interest is the study of health-related quality of life and satisfaction in patients with CKD. She is the Tufts Medical Center Project Director for the NIH-funded study entitled Functional Health Computerized Adaptive Testing in Chronic Kidney Disease. As a pharmacist, her clinical interests involve appropriate dosing and use of medications in patients with CKD. Dr. Richardson is the director of the DCI Outcomes Monitoring Program (OMP). She is responsible for overseeing patient-based outcomes at DCI. She is also the Director of Communications for the Division and is responsible for producing this Annual Report and maintaining the Division’s Web site.

Mark J. Sarnak, MD, MS, FASN

Dr. Sarnak is the Director of Research in the Division of Nephrology, Associate Director of the Research Training Program, and Professor of Medicine at Tufts University School of Medicine. His research focuses on traditional and non-traditional cardiovascular risk factors in chronic kidney disease (CKD), aging and kidney disease, and cognitive function and CKD. Dr. Sarnak
is funded by the National Institutes of Digestive, Diabetes and Kidney Disease (NIDDK) and the National Institutes of Aging (NIA) to perform these research projects. Dr. Sarnak’s *clinical specialties* are in cardiovascular disease in patients with kidney disease, management of CKD, dialysis, kidney transplantation, and kidney stones.

Carmen Castaneda-Sceppa, MD, PhD

Dr. Castaneda-Sceppa’s primary appointment is in the Bouvé College of Health Sciences at Northeastern University and her secondary appointment is in the Friedman School of Nutrition Science and Policy at Tufts University. Her *research* focuses on the role of protein nutrition (primarily protein) and exercise (primarily resistance training) to counteract the loss of muscle mass and function with age and with chronic diseases like diabetes and CKD. She studies mechanisms associated with muscle wasting including insulin resistance and inflammation. Dr. Sceppa’s research efforts include reaching out to populations of diverse ethnic backgrounds as well as translating her evidence base research into clinical care guidelines and public health policies.

Katrin Uhlig, MD, MS

Dr. Uhlig is Associate Professor, Tufts University School of Medicine, and a staff nephrologist in the Division of Nephrology, Tufts Medical Center. She is also an investigator in the Tufts Evidence-based Practice Center where she directs comparative effectiveness reviews and technology assessments. Until 2011, she served as Director of Guideline Development at the Tufts Center for Kidney Disease Guideline Development and Implementation, and for 10 years she directed the evidence reviews and the development of international kidney disease guidelines. Dr. Uhlig has acquired unique knowledge as a methods expert in evidence synthesis and critical literature appraisal. She conducts research and lectures on methods of evidence-based clinical practice guidelines, systematic review and related topics. She co-teaches an annual course on meta-analysis in the Master of Science Program at the Sackler School of Graduate Biomedical Sciences at Tufts University. Dr. Uhlig’s *clinical specialty* is in the care of patients with CKD, kidney transplants and kidney stones.

Ashish Upadhyay, MD

Dr. Upadhyay is the Medical Director of the Division’s Kidney and Blood Pressure Center. His *clinical interests* are general nephrology, glomerular diseases and kidney transplantation. Dr. Upadhyay’s *research interests* include clinical practice guideline development, systematic reviews and kidney disease epidemiology. In 2011, Dr. Upadhyay led the evidence review team for the upcoming KDIGO Guideline on Lipid Management in CKD. He also served in the evidence review team for the KDIGO Guideline on Blood Pressure in CKD and the KDIGO Guideline on Anemia Management in CKD.

Daniel E. Weiner, MD, MS

Dr. Weiner is the 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. He also is the recipient of a Carl W. Gottschalk Research Scholar Grant from the American Society of Nephrology to investigate the medical, ecologic and economic impact of dialyzer reprocessing practices and recently completed a K23 Career Development Award from the NIDDK to investigate cerebrovascular disease and cognitive impairment in individuals with CKD. His current *research* includes evaluating 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 as well as epidemiologic research in dialysis. Additionally, he is leading Tufts’ involvement in
the multicenter NIH-funded Systolic Blood Pressure Intervention Trial (SPRINT), which will help elucidate the appropriate blood pressure goal for antihypertensive treatment in non-diabetic adults with cardiovascular risk factors. He is also the recipient of a Paul Teschan Research Fund award to identify novel factors affecting vascular calcification in people with kidney disease, and he is collaborating with public health researchers from Boston University to investigate chronic kidney disease among workers in rural Nicaragua. Dr. Weiner is the Associate Medical Director of DCI Boston. In this role, he is working to enhance care for dialysis patients and dialysis education at Tufts Medical Center. He is also a member of the Dialysis Advisory Group of the American Society of Nephrology. Since October 2006, Dr. Weiner has been the Deputy Editor of the *American Journal of Kidney Diseases*. In this position, working with a dedicated staff, he is responsible for many of the day-to-day operations of the Journal, and has endeavored to develop new content while maintaining current excellence. Dr. Weiner is also an active member of the American Society of Nephrology’s Dialysis Advisory Group. Dr. Weiner’s clinical specialties are general nephrology and home and in-center dialysis.

**Division Staff**

**Administration**

Members of the support staff sustain the Division’s administrative, clinical, and research operations. Geneva Tucker, the Business Operations Manager, supervises 26 personnel within the Division (24 onsite and 2 offsite employees). The support personnel are diverse and each staff member brings specialized knowledge and skills to their respective positions. All administrative and clinical staff functions as teams supporting operations and each other. Personnel are cross-trained, enabling each team to support day-to-day operations and the other, when the need arises. The ambulatory support staff also works very closely with our physicians, fellows, staff nurse, physician assistant, and transplant nurse practitioners to provide high-quality care and customer service to our patients. The Business Operations Manager also oversees the Division’s Fellowship program, currently staffed as 8 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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<tbody>
<tr>
<td>Lorna Davies</td>
<td>Administrative Assistant III</td>
</tr>
<tr>
<td>TBD</td>
<td>Administrative Assistant II/Biller</td>
</tr>
<tr>
<td>Neva Parsons</td>
<td>Administrative Assistant III</td>
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## Kidney and Blood Pressure Center Staff

<table>
<thead>
<tr>
<th>Staff Member</th>
<th>Position</th>
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<tbody>
<tr>
<td>Helen Freedman</td>
<td>Patient Service Coordinator III</td>
</tr>
<tr>
<td>Ashley Lacatte</td>
<td>Phlebotomist / Medical Assistant</td>
</tr>
<tr>
<td>Hasnaa Moussaif</td>
<td>Patient Service Coordinator II</td>
</tr>
<tr>
<td>Debbie Mitchell-Dozier, RN</td>
<td>Staff Nurse</td>
</tr>
<tr>
<td>Christine Sullivan, MPA</td>
<td>Physician Assistant</td>
</tr>
<tr>
<td>Finna Tam</td>
<td>Patient Service Coordinator III</td>
</tr>
<tr>
<td>Jennifer Trignano, PA-C</td>
<td>Physician Assistant</td>
</tr>
<tr>
<td>Elizabeth Wenger, MA</td>
<td>Clinic Supervisor</td>
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## Pratt Medical Group Nephrology and Hypertension, Concord

<table>
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<tr>
<th>Staff Member</th>
<th>Position</th>
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<tbody>
<tr>
<td>Julie Bryant</td>
<td>Patient Service Coordinator II</td>
</tr>
<tr>
<td>Julie Flynn</td>
<td>Patient Service Coordinator II</td>
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## Research Support Staff (i.e., Assistants, Associates, & Statisticians)

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<tr>
<th>Staff Member</th>
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<tbody>
<tr>
<td>Yaicha Bryan</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Ryan Coffey</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Shana Haynes, DHSc</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Katie Knipscher</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Kristina Lou</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Alice Martin, RN</td>
<td>Research Nurse</td>
</tr>
<tr>
<td>Temitope Oio</td>
<td>Research Assistant</td>
</tr>
<tr>
<td>Aghogho Okparavero</td>
<td>Clinical Research Associate II</td>
</tr>
<tr>
<td>Gertrude (Peachy) Simon, RN</td>
<td>Clinical Research Associate IIA</td>
</tr>
<tr>
<td>Veronkia Testa, RN, CCRC</td>
<td>Clinical Research Associate IIA</td>
</tr>
<tr>
<td>Andrew Well</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Bary (Yo Chin) Yuen</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Open Positions</td>
<td>Statistician/Research Associate II</td>
</tr>
<tr>
<td></td>
<td>Part Time Clinical Research Coordinator I</td>
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<td>Clinical Research Coordinator I</td>
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Research Administration

Krista Boisclair, MS and Kelly McCue, BA both Research Administrators, under the supervision of Director of Research Administration for the Department of Medicine, are responsible for assisting investigators and research staff in all aspects of grants management and coordination with research activities of the Division. Research activities of the Division are discussed in more detail starting on page 48.

American Journal of Kidney Diseases

Nijsje Dorman, PhD, is Managing Editor for the American Journal Kidney Diseases. Dr. Dorman is responsible for all aspects of editorial operations of the journal. More information about AJKD is on page 74.

American Journal of Kidney Diseases Editorial Office Staff

<table>
<thead>
<tr>
<th>Staff Member</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elizabeth Bury, MFA</td>
<td>Associate Managing Editor</td>
</tr>
<tr>
<td>Barbara Saper</td>
<td>Editorial Assistant</td>
</tr>
</tbody>
</table>

Faculty and Staff Changes in 2011

Faculty Changes

- Dr. Rao received a secondary appointment as an Assistant Professor in the Department of Public Health and Community Medicine.

Staff Changes

Administrative

- After 3 years as the Business Operations Manager, Elizabeth Fitzgerald fulfilled a life-long goal of moving to Chicago. During her tenure, she helped us achieve remarkable stability in our clinical and financial operations. We wish Elizabeth all the best as she starts her new adventure in Chicago and her new job as Director of Cardiology at UIC Health System.
• Geneva Tucker is our new Business Operations Manager. She previously was the Business Operations Manager for the Institute for Clinical Research and Health Policy Studies. Prior to working at Tufts Medical Center, Geneva worked for Partners Healthcare as a Senior Project Coordinator.

Clinical

There have been several success stories this year of Division members being promoted within the Division.

• **Bary (HoChing) Yuen** transferred from his position as a Patient Service Coordinator to become a Research Assistant II working with Dr. Weiner. Bary joined the Division 3 years ago as a temporary office assistant.

• Another wonderful success is the promotion of **Hasnaa Moussaif** from an Administrative Assistant to a Patient Service Coordinator in the KBPC.

• **Christine Sullivan, MPA** joined the Division as the second Physicians Assistant for the KBPC. Christine graduated from Assumption College with a B.A. in Biology and is a recent graduate of Northeastern University’s MPA program.

Research

• **Kelley McCue, BA** became the Division’s new Research Administrator after Teresa Hamelin resigned. Kelley previously worked in the Division of Gastroenterology.

• **Andrew Well** joined the Division as a research coordinator working with Dr. Weiner on SPRINT.

• **Ryan Coffey**, a recent graduate of Wesleyan University with a concentration in Molecular Biology and Biochemistry, joined the Division as a Clinical Research Coordinator for the HALT PKD Study. He replaced Juliana Castedo.

• **Kristina Lou** was hired as a research coordinator on the Cognition in Dialysis Project working with Drs. Sarnak and Weiner.

• Dr. **Miskulin** hired 3 research assistants for the Blood Pressure in Dialysis Study (BID). **Sheetal Aggarwal** and **Katie Knipscher** are new to the division. And **Shana Haynes**, previously with the Tufts Center, has joined the BID team.

• In the tradition of providing a spring-board to bigger and better things, the Division had several members resign to attend graduate or medical school or
accept new positions. See the list below for specifics.

<table>
<thead>
<tr>
<th>Staff Member</th>
<th>New Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Juliana Castedo</td>
<td>Dartmouth Medical School</td>
</tr>
<tr>
<td>Amy Earley</td>
<td>Research Associate, ICRHPS</td>
</tr>
<tr>
<td>Lena Giang</td>
<td>Brown University School of Public Health</td>
</tr>
<tr>
<td>Priyanka Jain</td>
<td>Harvard University School of Public Health</td>
</tr>
<tr>
<td>Bethany Kirkpatrick</td>
<td>University of Texas Medical School</td>
</tr>
<tr>
<td>Jenny Lamont</td>
<td>Medical Editor/Research Associate, ICRHPS</td>
</tr>
<tr>
<td>Peter Laucks</td>
<td>Lake Erie College of Osteopathic Medicine</td>
</tr>
<tr>
<td>Eric Sorensen</td>
<td>UCSD Medical School</td>
</tr>
</tbody>
</table>

**American Journal of Kidney Diseases**

- **Elizabeth Bury** returned to AJKD as Associate Managing Editor.

**Service**

Members of the Division are involved in local, national, and international service.

**Service to Tufts Medical Center**

- Dr. **Gilbert** serves on the Internal Medicine Residency Clinical Competency Committee, the Graduate Medical Education Committee, and the Internal Medicine Residency Curriculum Committee.

- Dr. **Jaber** is a scientific reviewer for the Tufts Clinical and Translational Science Institute (CTSI) Pilot Studies Program.

- Drs. **Levey** and **Sarnak** 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. **Meyer** is the medical staff sponsor for the Schwartz Center Rounds.

- Dr. **Perrone** continues to serve as the United Network for Organ Sharing (UNOS) certified Transplant Physician at Tufts Medical Center.

- Dr. **Rao** is a member of the Tufts Medical Center Investigational Review Board.
• **Drs. Sarnak, Gilbert, and Weiner** are members of the Tufts Medical Center Internal Medicine Residency Intern Selection Committee.

• **Dr. Weiner** is a Portal Navigator for the Tufts Clinical and Translational Science Institute (CTSI). The mission of the Tufts CTSI is to identify, stimulate, and expedite innovative clinical and translational research with the goal to improve the public’s health.

**Service to TUSM/Sackler School of Graduate Biomedical Sciences**

• **Dr. Gilbert** is an *Ex Officio* member of the TUSM Curriculum Committee.

• Since 2007, **Dr. Gilbert** has served as the Chair of the From Health to Disease: Cardiac/Pulmonary/Renal Course Development Committee.

• In 2010, **Dr. Gilbert** became a member of both the Learning Community Steering Committee and the Community Service Learning Effort Steering Committee.

• **Dr. Jaber** serves on the Clinical Faculty Appointment and Promotion Committee of TUSM.

• **Dr. Meyer** serves as a member of the TUSM Compassionate Care Faculty Advisory Group.

• **Dr. Rao** was elected to the TUSM Scientific Affairs Committee.

• **Dr. Uhlig** is a member of the Admissions Committee for the Graduate Program in Clinical and Translational Science at the Sackler School of Graduate Biomedical Sciences

• **Drs. Weiner and Inker** are members of the Curriculum Committee at TUSM.

**Service to Professional Organizations**

In addition to providing service on a local level, Division members are actively involved in providing service to our professional organizations nationally and internationally.

• **Dr. Gilbert** is a member of the Panel for Accreditation Appeals in Nephrology Accreditation Council for Graduate Medical Education.

• **Drs. Gilbert, Inker and Perrone**, were members of the NKF’s Spring on the Park Gala planning committee in honor of Andrew S. Levey, MD.
• Dr. Gilbert serves as members of the Medical Advisory Board of the NKF Serving New England. Dr. Perrone completed his service in 2011.

• Dr. Inker is a member of the NKF’s Kidney Disease Early Evaluation Program (KEEP) Steering Committee and also is the chair of the Clinical Oversight Committee of KEEP.

• Dr. Inker worked with the American Board of Internal Medicine to develop the CKD Practice Improvement Module.

• Dr. Jaber was elected to Chair the Acute Kidney Injury Advisory Group of the American Society of Nephrology. He has been a member of the group since 2007.

• Dr. Jaber is a member of the Scientific Advisory Board for Chronic Therapies at NxStage Medical in Lawrence MA.

• Dr. Kassirer served on the IOM Committee that planned and participated in the Workshop on Sex-Specific Reporting of Scientific Research.

• Dr. Kassirer is a consultant on Quality of Care for Unite HERE Health, a union of restaurant and hotel workers.

• Dr. Levey is a member of the NKF Scientific Advisory Board.
• Dr. **Madias** is a member of the Advisory Board for the Hellenic Bioscientific Association in the USA.

• In 2011, Dr. **Madias** completed his service as a member of the American Society of Nephrology’s Education Committee and began his service as a member of the Kidney Week 2012 Program Committee.

• Dr. **Meyer** is a member of the Board of Directors of the End-Stage Renal Disease Network of New England.

• Since 2006, Dr. **Meyer** has been a member of the Board of Directors of the Forum of End-Stage Renal Disease Networks. He also represents the Forum Board on the United States Renal Data System External Advisory Committee and also the Fistula First Breakthrough Initiative.

• In 2011, Dr. **Meyer** began his term as the President of the National Forum of ESRD Networks.

• Dr. **Meyer** has many roles at Dialysis Clinic, Inc. He is the Medical Director for both the Information Systems and the Outcomes Monitoring Program. He is also a member of the Medical Information System Steering Committee.

• Drs. **Miskulin** and **Meyer** are members of the Quality Management Committee of Dialysis Clinic Inc.

• Dr. **Miskulin** is the Chair of the Endpoints Committee for the HALT-PKD Study.

• Dr. **Pereira** is a member of the Board of Trustees, Kidney Disease Improving Global Outcomes (KDIGO) Holdings.

• Dr. **Perrone** is a member of the Scientific Advisory Committee of the Polycystic Kidney Disease Foundation and its former Chair.

• In 2011, Dr. **Perrone** is the Chair of the UNOS Region 1 Renal Transplant Oversight Committee. This is the United Network of Organ Sharing (UNOS) group that oversees kidney transplantation in New England.

• Dr. **Perrone** is the Region 1 Representative on the OPTN/UNOS Living Donor Committee. His term on the committee began in 2009 and ended June 2011.
• Dr. Perrone is a member of the advisory committee for the New England Program for Kidney Exchange.

• Since 2006, Dr. Sarnak has been the co-chair of the Cardiovascular Health Study (CHS) Renal Work Group. He joined the Work Group in 2003.

• Dr. Sarnak is on the writing committee of the cardiovascular subcommittee of the Hemodialysis (HEMO) Study.

• Since 2004, Dr. Sceppa has been a grant reviewer for the European Society for Parenteral and Enteral Nutrition.

• Dr. Sceppa is the Chair of the Intervention Working Group at the Centers for Population Health and Health Disparities of the National Heart Lung and Blood Institute and the National Cancer Institute. She is also a member of the Planning Committee for the Network of Minority Research Investigators at the National Institute of Diabetes and Digestive and Kidney Diseases.

• Dr. Sceppa is a member of the American Diabetes Association Council on Exercise.

• Dr. Weiner is a member of the American Society of Nephrology’s Dialysis Advisory Group.

**Administrative Honors and Awards**

• Elizabeth Fitzgerald and the Division of Nephrology were honored with the Patriot Award Certificate of Appreciation. Debbie Mitchell-Dozier, the KBPC clinic nurse and also an Active U.S. Army Reservist, applied for the award to honor the Division for accommodating her military obligations. The Certificate of Appreciation is awarded by the Employer Support of the Guard and Reserve (ESGR) along with a Patriot lapel pin on behalf of the Department of Defense.
• Drs. Levey and Weiner were inducted as Fellows of the NKF. This is the inaugural year of Fellowship of the National Kidney Foundation. The fellowship recognizes physicians for their educational activities and community service in promoting the mission of the National Kidney Foundation on a local, national, or international level.

**Patient Care**

The Division provides diagnostic and treatment expertise for patients with chronic kidney diseases, including kidney failure and kidney transplantation, acute kidney injuries, fluid and electrolyte disorders, and all forms of hypertension. The staff has expertise in evaluation and treatment of nephrotic syndrome, various glomerular diseases, diabetic kidney disease, polycystic kidney disease, urinary tract infections, urinary reflux and obstruction, kidney stones, and all other kidney diseases. Special diagnostic and treatment modalities offered by the division include glomerular filtration rate estimation, kidney biopsy, transplant immunosuppression, ambulatory blood pressure monitoring, percutaneous transluminal renal angioplasty and stenting, hemodialysis, peritoneal dialysis, continuous venovenous hemofiltration, vascular access monitoring and repair, and kidney transplantation.

All our clinical programs continue to expand, offering care for a wide range of complex and complicated issues associated with acute and chronic kidney disease. The following section highlights our clinical programs.

**Continuing Outpatient Patient Care Initiatives**

**Outpatient Program Descriptions**

**Kidney and Blood Pressure Center**

Outpatient clinical activities take place primarily in the KBPC, directed by Dr. Upadhyay. There are currently nine half-day-a-week clinics staffed by Drs. Balakrishnan, Gilbert, Inker, Kausz, Kuhlik, Levey, Meyer, Miskulin, Perrone, Sarnak, Uhlig, and Upadhyay.

The KBPC emphasizes a multi-disciplinary approach to kidney disease. Collaboration with the Division of Transplant Surgery, Department of Urology, 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, hypertension, glomerular diseases, kidney transplantation, kidney stones, and peritoneal dialysis. Ambulatory blood pressure monitoring and subcutaneous erythropoietin administration services are offered by the KBPC.

Many clinical studies on CKD occur in the clinic, including studies of polycystic kidney
disease, blood pressure target in CKD, 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, and genetic predisposition to progression.

In collaboration with Jane Maxim (DCI) Home Dialysis Nurse Manger, Debbie Mitchell-Dozier holds patient education sessions. The Renal Replacement Options Meetings are facilitated discussions held every quarter for Stage IV and Stage V CKD patients who would benefit from open discussion of hemodialysis (center based vs. home based), peritoneal dialysis, and renal transplantation. The meeting is open to both patients and family members. In the future, the CKD patient education program will be expanded to include sessions on complications and other quality of life issues relating to CKD.

**Home Dialysis**

The Division of Nephrology has an active home dialysis program, treating more than 40 patients by peritoneal dialysis and home hemodialysis at DCI’s Ball Square facility in Somerville, comprising both. Drs. *Meyer, Weiner, Miskulin, Balakrishnan, Dash* and *Cohen* hold monthly home dialysis clinics at DCI Ball Square.

The number of home dialysis patients increased by 17% in 2011!

**Center for Polycystic Kidney Disease**

In 2006, Dr. *Perrone* opened The Center for Polycystic Kidney Disease at Tufts Medical Center. This multidisciplinary clinic offers comprehensive, coordinated care for patients with polycystic kidney disease. The Center’s physicians are internationally recognized experts in treating and managing the complications of PKD. In addition to Drs. *Perrone* and *Miskulin* 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. Multidisciplinary consultations are provided in collaboration with Gennaro Carpinito, MD, Urologist-in-Chief and Chairman, Department of Urology; Adel Malek, MD, Neurosurgeon; Richard Rohrer, MD, Chief, Transplant Surgery; Michael Tarnoff, MD, Associate Director, Minimally Invasive Surgery Center; Laurence H. Brinckerhoff, M.D., Division of Thoracic Surgery; Diana Bianchi, MD, Vice Chair for Research,
Floating Hospital; and Laurie Demmer, MD, Chief, Genetics.

This center also addresses the complications of polycystic kidney disease resulting in new transplants, aneurysm repair, video thorascopic splanchnicectomy (VSPL) for relief of intractable cyst pain, laparoscopic cyst reduction, and expansion of the nephrology practice at Tufts Medical Center. As part of this PKD center, Dr. Perrone has initiated a PKD clinic during which he and Dr. Miskulin see new patients referred specifically for expert advice regarding complications of cystic disease. This clinic meets biweekly and is staffed in rotation by Dr. Perrone or Dr. Miskulin with participation by clinical or research fellows on a rotating basis. The fellows have responded enthusiastically to this activity that provides a unique opportunity to see a wide range of complications in this disease.

Kidney Transplantation Program

Although all Division attending physicians in the KBPC see kidney transplant patients, the Division of Nephrology runs a specific Transplant Multidisciplinary clinic on Wednesday mornings. This clinic is staffed by Dr. Perrone, Medical Director of Kidney Transplantation, and also staffed by one of the Transplant surgeons. Two nurse practitioner transplant coordinators also attend the clinic, one working with Dr. Perrone and one with the Transplant Surgeon. Consultation and interaction regarding new and long-term kidney transplant recipients, kidney transplant candidates, and kidney donors is easily and frequently accomplished. Another benefit of this joint activity is the facilitation of dialysis access planning and interventions. Dr. Gilbert also works closely with one of the transplant coordinators, seeing patients on Tuesday mornings in the KBPC. The program has excellent overall outcomes. Kidney transplant patient and graft survival rates of 99.0% and 97.7%, respectively, are truly outstanding.

In-Center Hemodialysis

At Tufts Medical Center, Drs. Meyer and Weiner are the Director of Dialysis Services and Associate Director of Dialysis Services, respectively. 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), a national not-for-profit dialysis organization which sets the national benchmark for quality of care.

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. Debbie Van Allen, RN, MS, who joined the dialysis program in 1976, manages the in-center dialysis program. The hemodialysis nursing staff have a median of more than 20 years' experience in dialysis, and many have
worked in the field for more than 30 years. The Division’s research and administrative offices are adjacent to DCI Boston. Physical proximity makes frequent patient contact practical and physicians round on each patient shift twice a week.

**Table 3: Outpatient Hemodialysis Units Affiliated with Tufts Medical Center**

<table>
<thead>
<tr>
<th>Location</th>
<th>Dialysis Unit</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, Daniel E. Weiner MD, Associate Medical Director</td>
</tr>
<tr>
<td>Somerville</td>
<td>DCI Ball Square</td>
<td>Anthony Z. Dash MD, Medical Director, Michael B. Cohen MD, Co-Medical Director</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Klemens B. Meyer MD, Medical Director for Home Dialysis</td>
</tr>
<tr>
<td>Concord</td>
<td>DCI Walden Pond</td>
<td>Klemens B. Meyer MD, Medical Director, Andrei Kouznetsov MD, Associate Medical Director, Valerie R. Price MD, Associate Medical Director</td>
</tr>
</tbody>
</table>

**Outpatient Volume**

Table 4 demonstrates outpatient volume at Tufts Medical Center and the Pratt Medical Group Nephrology and Hypertension in Concord. Table 5 shows the number of outpatient dialysis visits by Division-affiliated physicians. All volume numbers are for the Tufts Medical Center and DCI fiscal year 2011, which ran from October 2010 to September 2011, unless otherwise stated.

**Table 4: Comparison of Outpatient Activity: Fiscal Year 2010 vs. 2011**

<table>
<thead>
<tr>
<th>Institution and Location</th>
<th>Fiscal Year</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tufts Medical Center</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kidney Blood Pressure Center</td>
<td>5,387</td>
<td>-5%</td>
</tr>
<tr>
<td>Pratt Medical Group Nephrology and Hypertension, Concord</td>
<td>1,593</td>
<td>0%</td>
</tr>
<tr>
<td><strong>Dialysis Clinic, Incorporated</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boston (Tufts Medical Center) hemodialysis treatments</td>
<td>14,903</td>
<td>-3%</td>
</tr>
<tr>
<td>Ball Square hemodialysis treatments</td>
<td>12,606</td>
<td>3%</td>
</tr>
<tr>
<td>Ball Square home-dialysis patients*</td>
<td>35</td>
<td>17%</td>
</tr>
<tr>
<td>Walden Pond hemodialysis treatments</td>
<td>7,618</td>
<td>-3%</td>
</tr>
</tbody>
</table>

*Total number of PD and home HD patients for calendar year 2011
Table 5: Comparison of Outpatient Dialysis Visits by Division Physicians at Affiliated Units: Fiscal Year 2010 vs. 2011

<table>
<thead>
<tr>
<th>Dialysis Unit</th>
<th>Number of Visits Fiscal Year 2009</th>
<th>Number of Visits Fiscal Year 2010</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>St. Elizabeth’s Medical Center</td>
<td>232</td>
<td>242</td>
<td>4%</td>
</tr>
<tr>
<td>Lawrence Memorial</td>
<td>65</td>
<td>46</td>
<td>-29%</td>
</tr>
<tr>
<td>Saugus</td>
<td>213</td>
<td>184</td>
<td>-14%</td>
</tr>
<tr>
<td>Stoneham</td>
<td>364</td>
<td>435</td>
<td>20%</td>
</tr>
</tbody>
</table>

Table 6: Comparison of Outpatient Ambulatory Visits by Division Physicians at Affiliated Units: Fiscal Year 2010 vs. 2011

<table>
<thead>
<tr>
<th>Hospital-based Ambulatory Clinic</th>
<th>Number of Visits Fiscal Year 2010</th>
<th>Number of Visits Fiscal Year 2011</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lawrence Memorial</td>
<td>645</td>
<td>664</td>
<td>3%</td>
</tr>
<tr>
<td>Melrose Wakefield</td>
<td>679</td>
<td>701</td>
<td>3%</td>
</tr>
<tr>
<td>St. Elizabeth’s Medical Center</td>
<td>153</td>
<td>133</td>
<td>-13%</td>
</tr>
</tbody>
</table>

Inpatient Program Descriptions

Nephrology Inpatient Services

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, continuous renal replacement therapy (CVVH and SCUF), and charcoal hemoperfusion. 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
Dr. Perrone is the Medical Director and all Division attending physicians also participate in the Tufts Medical Center Kidney Transplant Program. A relatively high proportion of kidney transplants derive from related or unrelated living donors. Tufts Medical Center is also an active participant in the Kidney Paired Donation Pilot 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 transplants are seen weekly in the KBPC in the initial months following the transplant, thereafter at increasing intervals. The transplant team at Tufts Medical Center has conducted more than 1000 kidney transplants. In 2011, the kidney transplant program celebrated its 40th anniversary!

Inpatient Dialysis

Inpatient hemodialysis is performed in the Floating 7 inpatient dialysis unit and in Tufts Medical Center intensive care units. Dr. Meyer is the Director of Dialysis Services and Dr. Weiner is the Associate Medical Director. Drs. Perrone and Meyer share responsibility for the continuous renal replacement program.

DCI, the hospital’s inpatient dialysis provider, assigns nurses to perform inpatient hemodialysis treatments and to oversee and facilitate continuous hemofiltration therapies performed in the intensive care units. Linda Courtemanche, RN manages the inpatient dialysis program, which she joined in 1986. The staff performs both pediatric and adult hemodialysis. The program is organized with particular attention to patient flow; most of the patients receiving hemodialysis treatment are also undergoing many other tightly scheduled tests and procedures. Response time for emergency hemodialysis after hours is 45 minutes; during the day, treatments can be initiated even more quickly.

Inpatient peritoneal dialysis is performed in intensive care units and on the North 7, an inpatient adult medicine ward, where the nursing staff are trained to perform peritoneal dialysis. Tufts Medical Center is the only hospital in Greater Boston with a floor on which the staff nurses are trained to perform peritoneal dialysis.

Continuous Renal Replacement Therapy

Dr. Perrone is the Director of this program that provides continuous renal replacement therapies such as continuous venovenous hemofiltration (CVVH) and slow continuous ultrafiltration (SCUF) in all intensive care units. These therapies are utilized with increasing success to support critically ill patients from other services who have developed acute kidney injury as a complication of their underlying illnesses, other treatments, or surgery. Introduction of citrate regional anticoagulation has markedly improved the efficiency and efficacy of CVVH, thereby allowing its use in all intensive care units at Tufts Medical Center. With the growth of solid organ and bone marrow transplantation, cardiac surgery, and oncology programs, increased utilization of continuous renal replacement therapies will be required.
Inpatient Volume

All volume numbers in Tables 7 and 8 are from the fiscal year, October 2010 to September 2011, unless otherwise indicated. Inpatient activity at Tufts Medical Center and affiliated hospitals by Tufts Medical Center physicians are listed in Table 7. Inpatient treatments by DCI at Tufts Medical Center and Emerson Hospital are listed in Table 8.

Table 7: Comparison of Inpatient Activity: Fiscal Year 2010 vs. 2011

<table>
<thead>
<tr>
<th>Institution and Location</th>
<th>Fiscal Year</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2010</td>
<td>2011</td>
</tr>
<tr>
<td><strong>Tufts Medical Center</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient-days of service: Nephrology Consult &amp; Ward Services</td>
<td>9,998</td>
<td>9,994</td>
</tr>
<tr>
<td>Kidney transplants*</td>
<td>36</td>
<td>42</td>
</tr>
<tr>
<td>Days of CVVH and peritoneal dialysis treatments</td>
<td>765</td>
<td>685</td>
</tr>
<tr>
<td><strong>St. Elizabeth’s Medical Center</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>656</td>
<td>579</td>
</tr>
<tr>
<td><strong>Emerson Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>1,420</td>
<td>1,233</td>
</tr>
<tr>
<td><strong>Kindred Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>344</td>
<td>404</td>
</tr>
<tr>
<td><strong>Lawrence Memorial Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>943</td>
<td>923</td>
</tr>
<tr>
<td><strong>Melrose Wakefield Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>1,851</td>
<td>2,138</td>
</tr>
<tr>
<td><strong>Whidden Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>144</td>
<td>211</td>
</tr>
</tbody>
</table>

*Calendar year 2011

Inpatient clinical activities performed by Division nephrologists at 3 affiliated hospitals in the Greater Boston area increased by 16-47%.

Table 8: Comparison of DCI Inpatient Hemodialysis Treatments: Fiscal Year 2010 vs. 2011
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. The focus of the fellows rounds are on quality improvement activities. Fellows are responsible for identifying a target behavior, measuring the appropriateness of delivered care, and presenting their findings at a Division conference. In this past year, we had several attending physicians present specific patient cases.

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. Please refer to Table 9 for a detailed listing of events.

Table 9: 2011 Community Service Events

<table>
<thead>
<tr>
<th>Type</th>
<th>Community</th>
<th>Location</th>
<th>Partner(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>World Kidney Day KEEP</td>
<td>Patients at risk for CKD</td>
<td>Boston MA</td>
<td>NKF Serving New England</td>
</tr>
<tr>
<td>Screening</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lecture by Dr. Perrone</td>
<td>PKD</td>
<td>Newton MA</td>
<td>New England PKD Chapter</td>
</tr>
<tr>
<td>“What’s new in PKD clinical trials?”</td>
<td></td>
<td></td>
<td>Spring Seminar</td>
</tr>
<tr>
<td>Boston Health Expo</td>
<td>Patients at risk for CKD</td>
<td>Boston MA</td>
<td>NKF Serving New England</td>
</tr>
</tbody>
</table>

In addition to specific events, members of the Division participate in community service organizations and projects.
• Dr. Pereira serves on the Board of Directors of Youth That Care, Inc.

• Dr. Perrone serves on the Physician’s Advisory Board of the Asian-American Civic Association in Boston.

• Division members along with their family and friends have participated in the annual NKF Boston Kidney Walk for many years. In 2011, Team Tufts Kidney Care dedicated our NKF walk to Lexie MacKenzie. Lexie was a friend, DCI co-worker and eventually a DCI patient. She always greeted everyone with the same big smile, whether working at the front desk of DCI Boston or sitting in the lobby waiting for her ride home after dialysis. Well before Lexie developed kidney disease, she and her family walked each year to support the NKF and patients with kidney disease. Even though she was in a wheelchair for the 2010 walk, Lexie insisted on participating with her family. In 2011, the Division of Nephrology and DCI Boston celebrated Lexie’s life and remembered her as we walked to support the NKF and all patients with kidney disease.

This year was the 17th annual walk and was held at the Franklin Zoo. The 40 registered walkers of the “Tufts Kidney Care” team had a fun time at the Zoo and raised $4,357!

• Dr. Perrone was the captain of the Tufts Kidney Care Team on the Walk for PKD in Boston. The team raised $7,011 (thanks primarily to Roberta Falke, MD) to support PKD research and education.
In May, Dialysis Clinic Inc. (DCI) Corporate celebrated its 40th birthday, hosting 40 community service projects across the nation to celebrate. DCI Boston and DCI Somerville participated. DCI Boston’s team named themselves the Education Station and conducted a public service campaign. DCI Somerville named themselves The Kidney Recruiters. The Kidney Recruiters worked with the students and staff at the Center for Career and Technical Education at Somerville High School. The team provided educational materials about kidney disease and transplantation for the teachers to present to their students. Then, students created an informative poster or essay; over 40 students participated in this aspect of the program. The Kidney Recruiters also hosted a live program at the school that included doctor and patient speakers as well as videos on transplantation. Approximately 80 students were captivated by the speakers, including our very own Dr. Levey, who shared their own personal and professional experiences with kidney disease and transplantation. At the same time, the winners of the essay and poster contest were announced. The event was filmed by the local television network and has aired numerous times to educate others in the community regarding the importance of kidney donation.

Patient Care Awards and Honors

- Dr. Gilbert received the Class of 2011 Citation for Excellence in Teaching.
• Drs. **Levey**, **Perrone** and **Sarnak** were recognized as “Top Doctors” by U.S. News & World Report. Dr. Perrone was further honored with the distinction of ranking among the top 1% of nation’s nephrologists.

• Dr. **Levey** was honored at the 2011 National Kidney Foundation’s Spring on the Park Gala.

• **Debbie Mitchell-Dozier, RN** was the April Tufts Medical Center Saltonstall Employee Excellence Award recipient. She was nominated by her colleagues in the Kidney and Blood Pressure Center. The Saltonstall Award recognizes 1 employee each month who exemplifies the Tufts iCARE 12 tenets, who stands out among their peers as an excellent service provider, who goes above and beyond the scope of their position, and who demonstrates a commitment to team work both in and out of their departments.

• **DCI Boston** was recognized for the 4th year in a row by the ESRD Network of New England for exceeding CMS goals for fistula placement in prevalent patients. The staff also received a Certificate of Participation in the voluntary 2010-2011 New England Dialysis Collaborative Healthcare Associated Infection in Dialysis Facilities program. Both **DCI Boston** and **DCI Walden Pond** have been recognized by the ESRD Network of New England for consistent excellence in vascular access; more than 75% of patients dialyze using native vein arteriovenous fistulae.

• **DCI Boston** and **DCI Walden Pond** received the 3 Star Award from DCI for meeting anemia, adequacy and fistula goals. Just over 10% of all DCI dialysis units received the 3 Star Award. **DCI Somerville** received a 2 Star Award.

• The Kidney Recruiters, from **DCI Somerville** won 3rd prize in the DCI 40 Acts of Service competition. The Kidney Recruiters received $2,000 to use toward educational purposes.

Kidney Recruiters
Jane Maxim, Eliza Vanderstar, Lynda Parke
Ann Marie Del Priore, Abby Maxim, Carla Rice
• **DCI Boston, DCI Ball Square, and DCI Walden Pond** all received 30 out of a possible 30 points as reported by the Centers for Medicare and Medicaid Services on the performance of U.S. dialysis facilities under the ESRD Quality Incentive Program for Payment Year 2012. CMS developed the ESRD QIP to be the nation’s first pay-for-performance (also known as "value-based purchasing") quality incentive program as mandated by the Medicare Improvements for Patients and Providers Act of 2008 (MIPPA). DCI Boston was the only dialysis facility within the City of Boston to achieve a perfect score.

• In the December 2011 issue of Boston Magazine, Drs. Levey, Perrone, and Sarnak were recognized as Boston’s best nephrologists. Dr. Perrone has received this honor 2 years in a row!

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**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 for 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 also collaborate with domain experts to focus on the research areas of: chronic kidney disease, assessment of kidney function, aging, nutrition, dialysis and transplantation, progression, polycystic kidney disease, acute kidney injury, and hypertension.

**2011 New Research Grant Awards**

Table 10 lists the 10 new research grants received in 2011.
<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Award Source</th>
<th>Type of Award</th>
<th>Title</th>
<th>Study Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drs. Balakrishnan, Meyer</td>
<td>FIR Company</td>
<td>Clinical Trial</td>
<td>Effect of Far-Infrared Therapy on Access Blood Flow in Hemodialysis Patients: A Feasibility Study</td>
<td>2</td>
</tr>
<tr>
<td>Dr. Inker</td>
<td>Pharmalink</td>
<td>Clinical Trial</td>
<td>Proteinuria Reduction/Primary IGA Nephropathy Patients</td>
<td>1</td>
</tr>
<tr>
<td>Drs. Levey, Inker</td>
<td>NIH/NIDDK</td>
<td>Federal R01</td>
<td>Markers for CKD in a multi-ethnic representative population with measured GFR</td>
<td>5</td>
</tr>
<tr>
<td>Dr. Perrone</td>
<td>Otsuka</td>
<td>Clinical Trial</td>
<td>A multi-center, parallel-group, randomized, double-blind, placebo-masked, multiple dose trial of modified-release (MR) and immediate-release (IR) Tolvaptan in subjects with Autosomal Dominant Polycystic kidney disease</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Otsuka</td>
<td>Clinical Trial</td>
<td>Multi-center, open-label, extension study to evaluate the long-term efficacy and safety of Oral Tolvaptan Tablet Regimens in subjects with Autosomal Dominant Polycystic kidney disease (ADPKD)</td>
<td>2</td>
</tr>
<tr>
<td>Pfizer</td>
<td></td>
<td>Clinical Trial</td>
<td>A Phase 2, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study of the Safety, Clinical Activity and Pharmakinetics of Bosutinib (PF-05208763) versus Placebo in Subjects with Autosomal Dominant Polycystic Kidney Disease</td>
<td>1</td>
</tr>
<tr>
<td>Dr. Sarnak</td>
<td>NIH</td>
<td>Federal R01</td>
<td>The Aging Kidney: Chronic Injury, Impaired Functions and Clinical Outcomes</td>
<td>5</td>
</tr>
<tr>
<td>Dr. Weiner</td>
<td>NIH</td>
<td>Federal R01</td>
<td>Randomized Trial of Exercise Training on Cognitive and Physical Function in CKD</td>
<td>4</td>
</tr>
<tr>
<td>Keryx</td>
<td></td>
<td>Clinical Trial</td>
<td>A Three-Period, 58-Week Safety and Efficacy Trial of KRX-0502 (ferric citrate) in Patients with End-Stage Renal Disease (ESRD) on Dialysis</td>
<td>2</td>
</tr>
<tr>
<td>NIH</td>
<td>Federal R01</td>
<td></td>
<td>Pulse Wave Velocity and Central Aortic Pressure Outcomes in SPRINT</td>
<td>4</td>
</tr>
</tbody>
</table>
Total Amount and Type of Research Grant Awards

Figure 1 and Table 11 demonstrate the increasing numbers and dollars of research grant awards received by Division members.

Figure 1: Division of Nephrology Research Grant Awards 2007-2011, by type

3 Division members hold a NIH-funded Clinical Research Career Development Grant (K23).

1 Division member holds a prestigious Midcareer Investigator Award In Patient-Oriented Research (K24) grant.
Table 11: Ongoing Research Grant Awards Received Prior to 2011

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Award Source</th>
<th>Type of Award</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Balakrishnan</td>
<td>NIH/NIDDK</td>
<td>Federal</td>
<td>Cytokine Gene Polymorphisms in the CRIC Cohort</td>
</tr>
<tr>
<td></td>
<td>George Washington U.</td>
<td>Subcontract</td>
<td></td>
</tr>
<tr>
<td>Dr. Inker</td>
<td>Gilead</td>
<td>Industry</td>
<td>Evaluation of GFR Estimating Equations in HIV-Positive Patients</td>
</tr>
<tr>
<td>DCI</td>
<td>Foundation</td>
<td></td>
<td>Validity and Reliability of a Novel GFR Marker</td>
</tr>
<tr>
<td>NIH/NIDDK</td>
<td>Federal K23</td>
<td></td>
<td>Kidney Function and Aging</td>
</tr>
<tr>
<td>NIH/NIDDK</td>
<td>Federal ARRA Supplement</td>
<td>K23</td>
<td>Kidney Function and Aging</td>
</tr>
<tr>
<td></td>
<td>NIH/NIDDK</td>
<td>Federal T32</td>
<td>Epidemiology, Clinical Trials and Outcomes Research</td>
</tr>
<tr>
<td></td>
<td>National Kidney Foundation</td>
<td></td>
<td>Trial to Reduce Cardiovascular Events with Aranesp Therapy</td>
</tr>
<tr>
<td>NIH/NIDDK</td>
<td>Federal R01</td>
<td></td>
<td>Kidney Function, Aortic Stiffness and Aging</td>
</tr>
<tr>
<td>NIH/NIDDK</td>
<td>Federal—ARRA Supplement</td>
<td></td>
<td>Kidney Function, Aortic Stiffness and Aging</td>
</tr>
<tr>
<td>NIH/NIDDK</td>
<td>Federal Subcontract</td>
<td></td>
<td>Aorta, Brain, and Kidney Structure and Function in the AGES-Reykjavik Study</td>
</tr>
<tr>
<td>NIH/NIDDK</td>
<td>Federal Subcontract</td>
<td></td>
<td>Proteomic Approach to CKD Biomarker Discovery and Validation</td>
</tr>
<tr>
<td>NIH/Rhode Island Hospital</td>
<td>Federal Subcontract</td>
<td></td>
<td>Folic Acid for Vascular Outcomes Reduction in Transplantation</td>
</tr>
<tr>
<td>Dr. Meyer</td>
<td>Tyco Health</td>
<td>Industry</td>
<td>A Randomized, Open-Label Comparison of the Performance and Longevity of a Split-Tip Versus a Symmetric Tip Hemodialysis Catheter</td>
</tr>
<tr>
<td>Dr. Miskulin</td>
<td>NIH/NIDDK</td>
<td>Federal K23</td>
<td>Case-Mix and its Effects on Quality Indicators in ESRD</td>
</tr>
<tr>
<td>DCI</td>
<td>Foundation</td>
<td></td>
<td>Decision Support for Anemia Management in Hemodialysis Patients</td>
</tr>
<tr>
<td>DCI</td>
<td>Foundation</td>
<td></td>
<td>Pilot Study for a Future Randomized Clinical Trial</td>
</tr>
</tbody>
</table>

Table 11 is continued on the next page.
Table 11 Continued: Ongoing Research Grant Awards Received Prior to 2010

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Award Source</th>
<th>Type of Award</th>
<th>Title</th>
<th>Year of Initial Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Perrone</td>
<td>NIH/NIDDK</td>
<td>Federal U01</td>
<td>Polycystic Kidney Disease Clinical Trials Network</td>
<td>2002</td>
</tr>
<tr>
<td>Dr. Rao</td>
<td>National Kidney Foundation</td>
<td>Foundation</td>
<td>Chronic Kidney Disease Anemia Beyond Erythropoietin Deficiency—The Role of Mitochondrial Injury</td>
<td>2008</td>
</tr>
<tr>
<td></td>
<td>NIH/NIDDK Industry</td>
<td>R56 ARRA</td>
<td>Mitochondrial Injury in the Anemia of Chronic Kidney Disease</td>
<td>2010</td>
</tr>
<tr>
<td>Dr. Richardson</td>
<td>Amgen, Inc.</td>
<td>Industry</td>
<td>Dialysis Preceptorship</td>
<td>2007</td>
</tr>
<tr>
<td>Dr. Sarnak</td>
<td>NIH/NIDDK</td>
<td>Federal R01</td>
<td>Cognition and Dialysis</td>
<td>2008</td>
</tr>
<tr>
<td></td>
<td>NIH/NHLBI Industry</td>
<td>Subcontract</td>
<td>Mineral Metabolism and Cardiovascular Risk among Older Adults</td>
<td>2007</td>
</tr>
<tr>
<td></td>
<td>NIH/NIDDK Industry</td>
<td>K24 Subcontract</td>
<td>Chronic Kidney Disease, Vascular Disease and Aging</td>
<td>2007</td>
</tr>
<tr>
<td></td>
<td>NIH/NIDDK Industry</td>
<td>R21 Subcontract</td>
<td>Does Raising HDL-C with Niacin Improve Endothelial Function in Early CKD?</td>
<td>2008</td>
</tr>
<tr>
<td>Drs. Sarnak &amp; Weiner</td>
<td>Amgen, Inc.</td>
<td>Industry</td>
<td>CKD in Pooled Population</td>
<td>2005</td>
</tr>
<tr>
<td>Dr. Tangri</td>
<td>Kidney Foundation of Canada</td>
<td>Foundation</td>
<td>Derivation and Validation of a Simplified Predictive Model for Progression to End Stage Renal Disease</td>
<td>2008</td>
</tr>
<tr>
<td>Dr. Weiner</td>
<td>NIH/NIDDK Industry</td>
<td>K23 Subcontract</td>
<td>Kidney Disease, Stroke and Cognitive Impairment</td>
<td>2005</td>
</tr>
</tbody>
</table>

2011 Publications

A total of 77 print publications and 16 epublications were authored and/or co-authored by Division members in 2011. An asterisk beside a name indicates a current trainee as an author.
2011 Print Publications


35. Liangos O, Jaber BL. Nonoliguric versus Oliguric Acute Tubular Necrosis. In: UpToDate, Rose BD (Ed), UpToDate, Wellesley, MA 2011.


70. Upadhyay A, Sarnak MJ, Levey AS. Letter to Editor: Bardoxolone methyl, chronic kidney


2011 Division EPublications


2011 Research Awards and Honors

- Dr. Inker is a member of the external advisory committee of the NIDDK-funded Hemodialysis Fistula Maturation which is a prospective multi-center observational cohort study investigating factors associated with the failure of arteriovenous fistulas to mature.

- Since 2009, Dr. Sceppa has been a grant reviewer for the Brookdale Leadership in Aging Fellowship Program.

- Medscape published its Top 10 Game Changers in Nephrology for 2011 and the article (number 69 in print publication list) written by Drs. Upadhyay, Haynes, and Uhlig, and Ms. Earley on blood pressure goals ranked 6 out of 10!

Education

The Division is committed to 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. Affiliations with TUSM, TUSDM, the Friedman School of Nutrition Science and Policy, and the Sackler School of Graduate Biomedical Sciences at Tufts University are the focus of most of our local education initiatives. Table 13 and Table 14 list ongoing teaching initiatives by Division members.

2011 Education Initiatives

Graduate-level Initiatives

- This year, a nephrology interest group was created for 2nd year medical students. The "Gang for Renal," or GFR for short, meets monthly to explore the clinical applications of renal physiology and pathology taught during the Renal Course in September. Activities have included touring a hemodialysis unit to observe how the principles of diffusion and ultrafiltration can maintain homeostasis and clearance when kidney function is no longer adequate; solving acid-base equations on actual patients intubated in the MICU to understand the respiratory and metabolic contributions to their illness; and examining the urine sediment of hospitalized pts with AKI to identify the cause of renal injury. The GFR has drawn great interest from students, attracting over 50 students to its events.
Postgraduate-level Initiatives

- The Division’s fellowship program was reviewed in December 2010 and was granted full continued accreditation for an additional 5 years (the maximum possible) by the ACGME. Dr. Gilbert's hard work in making our program truly outstanding and his tireless preparation for the site visit was evident during the review. The reviewer was very impressed with the structure of our program, the strength of our faculty, and the clear commitment to fellow education.

Visiting Professors

The Division had 5 visiting professors this year. Each visiting professor meets with fellows and faculty members, presents at Research Conference and often presents at other venues in the medical center. Table 12 lists the invited guests and their presentation topics.

Table 12: 2011 Visiting Professors

<table>
<thead>
<tr>
<th>Visiting Professor</th>
<th>Date</th>
<th>Research Conference Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jonathan Himmelfarb, MD</td>
<td>March</td>
<td>Non-traditional cardiovascular risk factors in chronic kidney disease</td>
</tr>
<tr>
<td>Chirag Parikh, MD, PhD, FACP</td>
<td>March</td>
<td>Paradigm Shift: From Serum Creatinine to Novel Biomarkers in Acute Kidney Injury</td>
</tr>
<tr>
<td>Mark Unruh, MD, MS</td>
<td>April</td>
<td>Sleep Disorders in CKD</td>
</tr>
<tr>
<td>Michael G. Shlipak, MD, MPH</td>
<td>July</td>
<td>CKD Research in HIV Disease: Catching up to the General Population</td>
</tr>
<tr>
<td>Donald E. Hricik, MD</td>
<td>October</td>
<td>Clinical Utility of the ELISPOT Assay for Interferon Gamma in Kidney Transplantation</td>
</tr>
<tr>
<td>Xueqing Yu MD, PhD</td>
<td>November</td>
<td>Description of the First Affiliated Hospital and Institute of Nephrology</td>
</tr>
</tbody>
</table>

- Seven visiting Chinese nephrologists joined Dr. Yu in a day-long visit to the Division. The day included presentations by the visitors and also Division members.
## Continuing Education Initiatives

### Table 13: Longstanding Graduate-level Teaching Initiatives by Division Members

<table>
<thead>
<tr>
<th>Institution</th>
<th>Course Description</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>Physical Diagnosis Course</td>
<td>Nephrology fellows and several members of the Division Attendings</td>
</tr>
<tr>
<td></td>
<td>Renal Ward Service</td>
<td>Division Attendings</td>
</tr>
<tr>
<td></td>
<td>4-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>Evidence-based medicine elective</td>
<td>Dr. Gilbert, Course Co-Director</td>
</tr>
<tr>
<td></td>
<td>Cell and Molecular Pharmacology</td>
<td>Dr. Gilbert, Nephrology Section Leader</td>
</tr>
<tr>
<td></td>
<td>Evidence Based Medicine</td>
<td>Dr. Uhlig, Consultant</td>
</tr>
<tr>
<td>Tufts University School of Dental Medicine</td>
<td>Selective Program Mentor</td>
<td>Dr. Weiner</td>
</tr>
<tr>
<td>Friedman School of Nutrition Science and Policy</td>
<td>Lectures on topics related to hypertension and nephrology</td>
<td>Drs. Meyer and Weiner</td>
</tr>
<tr>
<td>Sackler School of Graduate Biomedical Sciences at Tufts</td>
<td>Lectures on kidney disease, hypertension and nephrology</td>
<td>Drs. Balakrishnan, Meyer, and Weiner</td>
</tr>
<tr>
<td>The Francis Stern Nutrition Center at Tufts Medical Center</td>
<td>Nutritional Biochemistry and Physiology</td>
<td>Dr. Gilbert, Nephrology Section Leader</td>
</tr>
<tr>
<td></td>
<td>Renal Pharmacology</td>
<td>Dr. Gilbert</td>
</tr>
<tr>
<td></td>
<td>Introduction to Meta-Analysis</td>
<td>Dr. Uhlig, Co-faculty</td>
</tr>
<tr>
<td></td>
<td>4-week experiential rotation in DCI Boston dialysis unit</td>
<td>Poonhar Poon, RD</td>
</tr>
</tbody>
</table>

### Table 14: 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>Sackler School of Graduate Biomedical Sciences at Tufts University</td>
<td>Mentor fellows during their independent research and thesis preparation in pursuit of a Masters of Science degree</td>
<td>Drs. Levey, Balakrishnan, Sarnak, &amp; Uhlig</td>
</tr>
<tr>
<td>TUSM Department of Pharmacology and Experimental Therapeutics</td>
<td>Coordinate the Nephrology Section of the Advanced Molecular and Cellular Pharmacology Course</td>
<td>Dr. Gilbert</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>
</tbody>
</table>
**Fellowship Programs**

**Clinical Fellowship Training**

Dr. Gilbert is the Director of the highly respected clinical fellowship training program. A well-organized curriculum emphasizes breath and depth of clinical experiences with rotations at Tufts Medical Center and SEMC.

Over the past 14 years, approximately 42% of the 33 graduates of the fellowship program have continued in full-time academic positions. Another 27% 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, 222 applications to the clinical fellowship program were reviewed for 3 open positions available in 2012. Table 15 and Table 16 list graduating and current clinical fellows.

**Table 15: Graduated Clinical Fellows**

<table>
<thead>
<tr>
<th>Name</th>
<th>Training Period</th>
<th>Current Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aneet Deo, MD, MS</td>
<td>2010-2011</td>
<td>Private Practice Nephrology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Salem, Oregon</td>
</tr>
<tr>
<td>Faina Gurevich, MD</td>
<td>2009-2011</td>
<td>Private Practice Nephrology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Johnstown, PA</td>
</tr>
<tr>
<td>Shani Shastri, MD, MS</td>
<td>2010-2011</td>
<td>Academic Nephrology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>University of Texas, Southwestern</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dallas Texas</td>
</tr>
<tr>
<td>Ezra Gabbay, MD, MS</td>
<td>2008-2011</td>
<td>Academic Nephrology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Shaare Zedek Medical Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Jerusalem, Israel</td>
</tr>
</tbody>
</table>
Table 16: Current Clinical Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Training Period</th>
<th>Previous Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ibraheem Abbas, MD</td>
<td>2010-2012</td>
<td>Hospitalist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Baystate Medical Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Springfield MA</td>
</tr>
<tr>
<td>Renu Bansal, MD</td>
<td>2010-2012</td>
<td>Chief Resident</td>
</tr>
<tr>
<td></td>
<td></td>
<td>University of Connecticut Health Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Farmington CT</td>
</tr>
<tr>
<td>Keith Bartolomei, MD</td>
<td>2011-2013</td>
<td>Chief Resident</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tufts Medical Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boston MA</td>
</tr>
<tr>
<td>Smita Padala, MD, MS</td>
<td>2011-2012</td>
<td>Resident</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rhode Island Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Providence RI</td>
</tr>
<tr>
<td>Gautham Viswanathan, MD, MS</td>
<td>2011-2012</td>
<td>Resident</td>
</tr>
<tr>
<td></td>
<td></td>
<td>St. Catherine’s Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td>East Chicago IN</td>
</tr>
</tbody>
</table>

Research Fellowship Training

Continuing Research Fellowship Training Initiatives

The Division offers training in clinical research. Fellows can elect to work with an Division member, or participate in research projects at SEMC under the direction of Drs. Jaber and Madias.

Clinical Investigator Track: NIDDK Training Grant

The NIDDK Institutional Research Training Award in "Epidemiology, Clinical Trials and Outcomes Research in Nephrology" funds 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 Sackler School of Graduate Biomedical Sciences at Tufts University;
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.

The 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 95 applications in 2011 for 1 open research fellowship position in 2012. See Table 17 and Table 18 for listings of graduated and current research fellows.

Table 17: Graduated Research Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Training Period</th>
<th>Current Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Navdeep Tangri, MD</td>
<td>2007-2011</td>
<td>University of Manitoba Winnipeg, Manitoba, Canada</td>
</tr>
<tr>
<td>Smita Padala, MD, MS</td>
<td>2008-2010</td>
<td>Clinical Fellow, Division of Nephrology Tufts Medical Center Boston MA</td>
</tr>
<tr>
<td>Gautham Viswanathan, MD, MS</td>
<td>2008-2010</td>
<td>Clinical Fellow, Division of Nephrology Tufts Medical Center Boston MA</td>
</tr>
</tbody>
</table>

Table 18: 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>Kamran Shaffi, MD</td>
<td>Nephrology Fellow Rhode Island Hospital Providence RI</td>
<td>Andrew S. Levey, MD</td>
<td>NIH T32</td>
</tr>
<tr>
<td>David Drew, MD</td>
<td>Resident Tufts Medical Center Boston MA</td>
<td>Mark J. Sarnak, MD, MS</td>
<td>NIH T32</td>
</tr>
<tr>
<td>Alin John, MD</td>
<td>Resident Tufts Medical Center Boston MA</td>
<td>Daniel E. Weiner, MD, MS</td>
<td>NIH T32</td>
</tr>
</tbody>
</table>
Continuing Medical Education

2011 Continuing Medical Education Initiatives

- In February, Division members presented at the combined Schwartz Center/Medicine Grand Rounds. The presentation entitled “Whether to Stop Dialysis: ‘It’s Hard to Say’” was moderated by Paul Thayer and the discussion was led by Dr. Meyer, Kathleen Murray, MSW, LICSW, Yin-Fong Lam, MSW, LICSW, and Jean McCorry, RN, BSN. The Schwartz Center Rounds is a multidisciplinary forum where clinical caregivers discuss difficult emotional and social issues that arise in caring for patients.

- The AJKD Editorial Board received a renewed 5-year contract to remain at Tufts Medical Center. In 2011, the journal enhanced its online presence by naming Kenar Jhaveri, MD the web editor and initiating eAJKD, a blog featuring author interviews, commentary, educational material, and more.

Continuing Medical Education Initiatives

- The Evidence Review Team (ERT) at the Tufts Center for Kidney Disease Guideline Development and Implementation trains Work Group members in methods of guideline development. The Office of Continuing Education at Tufts University Medical School provides CME credit to physician participants. The ERT presentations held in the first 6 months of 2011 are listed in Table 19.

Table 19: Tufts Center for Guideline Development and Implementation ERT Presentations—1st 6 months 2011

<table>
<thead>
<tr>
<th>Meeting</th>
<th>ERT Presentations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lipids:</strong> Chairs Work Group Meeting</td>
<td>- Overview&lt;br&gt;- Steps for production of guidelines&lt;br&gt;- Steps for systematic review: question formulation and PICO-D, data extraction, study quality appraisal, and summary tables&lt;br&gt;- Existing systematic reviews and other guidelines&lt;br&gt;- Questions and criteria used for KDIGO guidelines&lt;br&gt;- GRADE and evidence profiles for appraisal of bodies of evidence: Levels of recommendations (1-2) and quality of evidence (A-D)&lt;br&gt;- Focus on outcomes: clinical vs. intermediate outcomes&lt;br&gt;- Focus on study design: RCT, other intervention, observational, diagnostic&lt;br&gt;- Review of progress since 1st Work Group meeting</td>
</tr>
<tr>
<td>January 13-14, 2011 Boston MA</td>
<td></td>
</tr>
<tr>
<td><strong>CKD:</strong> 2nd Work Group Meeting</td>
<td></td>
</tr>
<tr>
<td>February 18-19, 2011 Brussels, Belgium</td>
<td></td>
</tr>
</tbody>
</table>
Table 20 lists the continuing education presentations given by Division faculty in 2011. The table excludes presentations given within the Division, as all faculty are expected to present one Journal Club and one Research Conference annually.

Table 20: 2011 Local, National, and International Presentations by Division Faculty

**LOCAL/REGIONAL PRESENTATIONS**

| Dr. Gilbert | New Challenges in Management of Hypertension  
|            | Medical Grand Rounds  
|            | Memorial Hospital of Rhode Island  
|            | Pawtucket RI  
|            | Acute Kidney Injury  
|            | Medical Grand Rounds  
|            | Caritas Carney Hospital  
|            | Boston MA  
| Dr. Jaber  | Update on Prevention of Contrast-Induced Acute Kidney Injury  
|            | Medical Grand Rounds  
|            | Caritas St. Elizabeth’s Medical Center  
|            | Boston MA  
|            | Intradialytic Complications: Case Studies  
|            | The Brigham Renal Board Review Course  
|            | Boston MA  
| Dr. Levey  | Chronic Kidney Disease Update 2011 – From Controversy to Consensus  
|            | Grand Rounds  
|            | Beth Israel Deaconess Medical Center  
|            | Boston MA  
| Dr. Madias | Invited Lecturer  
|            | Anesthesia Grand Rounds  
|            | Tufts Medical Center  
|            | Boston MA  
| Dr. Meyer  | Hypertension: a Review  
|            | Grand Rounds  
|            | Lowell General Hospital  
|            | Lowell MA  
|            | Dialysis Update  
|            | Grand Rounds  
|            | Newton Wellesley Hospital  
|            | Newton MA  
| Dr. Miskulin | Endothelial Dysfunction in Autosomal Dominant Polycystic Kidney Disease  
|            | Polycystic Kidney Disease Symposium 2011  
|            | Sponsored by the Harvard Center for Polycystic Kidney Disease Research  
|            | Boston MA  

Table 20 is continued on the next page.
Table 20 Continued: 2011 Local, National, and International Presentations by Division Faculty

Dr. Periera  Speaker, Dynamic Course
Biomedical Enterprise Program
Harvard-MIT Division of Health Sciences and Technology/MIT Sloan School of Management
Cambridge MA

MIT Healthcare Conference
Cambridge MA

Dr. Perrone  Clinical Trials and Drug Development
New England Chapter of the Polycystic Kidney Disease Foundation
Newton MA

Polycystic Kidney Disease: From Bench to Bedside
Beldon Idelson Memorial Lecture, Medical Grand Rounds
Boston Medical Center
Boston MA

Update on the Management of Hypertension
Medical Grand Rounds
Saints Memorial Hospital
Lowell MA

ADPKD: New Directions, Lessons Learned, Therapeutic Strategies
Greater Hartford Nephrology Conference
Hartford CT

ADPKD: New Directions, Lessons Learned, Clinical Trials
Greater Worcester Nephrology Conference
Worcester MA

Dr. Sarnak  Hypertension Management in Chronic Kidney Disease
Medical Grand Rounds
VA Boston Healthcare System, West Roxbury campus
Boston MA

KDIGO Guidelines on the Management of Hypertension in CKD
Renal Grand Rounds
Boston Medical Center
Boston MA

Hypertension Management in Chronic Kidney Disease and Dialysis
Nephrology for Practicing Clinicians-A Current Approach.
Joslin Diabetes Center
Boston MA

Management of the Cardiovascular Complications of CKD
Massachusetts General Hospital Nephrology Review Course
Boston MA

Table 20 is continued on the next page.
Table 20 Continued: 2011 Local, National, and International Presentations by Division Faculty

Dr. Sarnak  
Case Presentations  
Massachusetts General Hospital Nephrology Review Course  
Boston MA

Primary Discussant  
Clinical Pathological Conference  
Harvard Brigham Nephrology Course  
Boston MA

Dr. Sceppa  
Enabling a Lasting Active Lifestyle in Adults Minisymposium  
New England Chapter, American College of Sports Medicine Chapter  
Providence RI

Dr. Weiner  
Dialysis Financing in the US: a Sign of Reforms to Come?  
Medical Grand Rounds  
St. Elizabeth’s Medical Center  
Boston MA

NATIONAL PRESENTATIONS

Dr. Inker  
Kidney Function Estimation Equations for Drug Dosing  
National Kidney Foundation Spring Clinical Meeting  
Las Vegas NV

CKD-EPI vs MDRD Study Equation: Implications for KEEP  
KEEP Symposium  
National Kidney Foundation Spring Clinical Meeting  
Las Vegas NV

Kidney Function Assessment in the Elderly  
National Kidney Foundation Spring Clinical Meeting  
Las Vegas NV

CKD-EPI vs MDRD Study Equation: Implications for KEEP  
American Society of Hypertension Annual Scientific Meeting  
New York NY

Dr. Kassirer  
Grand Rounds  
University of Pennsylvania  
Philadelphia PA

Dr. Levey  
CKD Definition and Classification: A KDIGO Controversies Reaches a Consensus  
University of CA San Francisco Grand Rounds  
San Francisco CA

Cystatin C for Measuring GFR  
Critical Markers of Disease (CMOD) Session 3: Regulatory Innovations and Collaboration  
White Oak MD

Table 20 is continued on the next page.
Table 20 Continued: 2011 Local, National, and International Presentations by Division Faculty

<table>
<thead>
<tr>
<th>Faculty Name</th>
<th>Presentation Title</th>
<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Madias</td>
<td>Invited Lecturer</td>
<td>Early Program on Diagnosis and Management of Disorders of Acid-Base, Fluid, and Electrolyte Balance, National Meeting, American Society of Nephrology, Kidney Week, Philadelphia PA</td>
</tr>
<tr>
<td>Dr. Meyer</td>
<td>Information Technology Update</td>
<td>Medical Information Steering Committee, Dialysis Clinic, Inc, Nashville TN</td>
</tr>
<tr>
<td>Dr. Miskulin</td>
<td>Clinical Trials in ADPKD: The HALT-PKD Study</td>
<td>In-Depth Nephrology Course, American Society of Nephrology 44th Annual Meeting, Philadelphia PA</td>
</tr>
<tr>
<td>Dr. Perrone</td>
<td>The PKD Outcomes Consortium: Developing a Biomarker for PKD Progression</td>
<td>The University of Alabama, Birmingham AL</td>
</tr>
<tr>
<td></td>
<td>Improving and Accelerating Cures through Patient-centered Standards Development and Regulatory Science</td>
<td>Panel discussant, CDISC 2011 Interchange North America, Baltimore MD</td>
</tr>
<tr>
<td></td>
<td>Management of ADPKD Today</td>
<td>Polycystic Kidney Disease: Translating Mechanisms into Therapy, American Society of Nephrology Annual Meeting, Philadelphia PA</td>
</tr>
<tr>
<td></td>
<td>Clinical Trial Update, From Mouse Model to Human Trials</td>
<td>American Society of Nephrology Annual Meeting, Philadelphia PA</td>
</tr>
</tbody>
</table>

Table 20 is continued on the next page.
Table 20 Continued: 2011 Local, National, and International Presentations by Division Faculty

Dr. Perrone  PKD Biomarker Development
Creating Consensus Science: New Tools and Tactics for Next Gen Drug Development
Critical Path Institute
Silver Springs MD

Dr. Richardson  Pharmacology Update: Assessment of Kidney Function for Drug Dosing
American Nephrology Nurses’ Association 42nd National Symposium
Boston MA

Dr. Sarnak  Visiting Professor
University of New Mexico
Albuquerque NM
Cardiac Biomarkers in CKD
National Kidney Foundation Spring Clinical Meeting
Las Vegas NV
Management of Traditional Cardiovascular Risk Factors in ESRD
American Society of Nephrology Annual Meeting
Philadelphia PA

Dr. Uhlig  How Can We Improve Clinical Practice Guidelines?
National Kidney Foundation Spring Clinical Meeting
Las Vegas NV
Vitamin D Therapy in Hemodialysis Patients.
Dialysis Clinic, Inc (DCI) Medical Director Meeting
St. Pete Beach FL

Dr. Weiner  The Bundle: How Has This Changed Practice and What Should We Expect?
American Society of Nephrology Annual Meeting
Philadelphia PA
QIP: What Are Good Quality Predictors and How Are They Chosen?
American Society of Nephrology Annual Meeting
Philadelphia PA
Symposium Panelist: Entering the Era of Pay for Performance
American Society of Nephrology Annual Meeting
Philadelphia PA

INTERNATIONAL PRESENTATIONS

Dr. Jaber  Genomic Tools to Characterize AKI
Breaking Research in AKI
World Congress of Nephrology
Vancouver, British Columbia, Canada

Table 20 is continued on the next page.
Table 20 Continued: 2011 Local, National, and International Presentations by Division Faculty

| Dr. Levey                  | The Spectrum of AKI, AKD, and CKD: Insights from KDIGO  
|                          | World Congress on Nephrology/Canadian Society of Nephrology  
|                          | Vancouver, British Columbia, Canada  
|                          | Future of CKD Staging, Including AKD  
|                          | 3rd International Symposium on Albuminuria  
|                          | Groningen, Netherlands  
| Dr. Madias               | Invited Lecturer  
|                          | The First Symposium on Salt Reduction in China  
|                          | Beijing, China  
|                          | Invited Lecturer  
|                          | 10th Congress of the Balkan Cities Association of Nephrology, Dialysis,  
|                          | Transplantation, and Artificial Organs  
|                          | Chalkidiki, Greece  
| Dr. Miskulin             | Clinical Trials in ADPKD: Novel Therapeutics and Conventional Therapies  
|                          | International Society of Nephrology, World Congress Nephrology  
|                          | Vancouver, British Columbia, Canada  
| Dr. Pereira              | Speaker  
|                          | National Kidney Foundation Summit  
|                          | Mumbai, India  
| Dr. Sarnak               | KDIGO Guidelines on Management Hypertension in Non Diabetic Persons  
|                          | World Congress of Nephrology  
|                          | Vancouver, British Columbia, Canada  
|                          | Obesity as a Risk Factor for CVD and Progression of Kidney Disease in  
|                          | Patients with CKD  
|                          | European Renal Association  
|                          | Prague, Czech Republic  
| Dr. Uhlig                | Approach to Teaching an Introductory Meta-analysis Course for Postgraduate  
|                          | Medical Trainees  
|                          | 6th Annual Meeting, Society Research Synthesis Methodology  
|                          | Ottawa, Canada  
|                          | Blood Pressure Targets in Chronic Kidney Disease: Proteinuria as an Effect  
|                          | Modifier  
|                          | Presentation (in German) at the Medical Clinic 4, Nephrology  
|                          | Erlangen University  
|                          | Nürnberg, Germany  


Editorial Appointments

American Journal of Kidney Diseases

The Division houses the editorial office of the *American Journal of Kidney Diseases* (AJKD), the official journal of the NKF, and division members lead a multi-institution effort to continue to enhance AJKD’s position as the preeminent clinical journal in nephrology. The first issue of AJKD compiled by Tufts Medical Center appeared in January 2007.

Dr. Levey is the Editor-in-Chief and Dr. Weiner serves as the Deputy Editor. Other Tufts Medical Center-based editors of AJKD include Drs. Balakrishnan, Gilbert, and Schmid, and Mr. Tighiouart. The Editorial Board includes five additional Editors affiliated with other local hospitals, as well as 28 Associate Editors worldwide. Dr. Harrington is a Tufts Medical Center-based Associate Editor. In 2011, the editorial team was awarded a second 5-year term.

The editorial office is staffed by Nijsje Dorman, PhD (Managing Editor), Elizabeth Bury (Associate Managing Editor), and Barbara Saper (Editorial Assistant). The editorial office is located on the first floor of the Traders Building at 35 Kneeland Street.

Continuing a trend of increasing manuscript submissions, AJKD received over 1,450 submissions in the 2011 operating year, with 18% of original research articles accepted for publication. Over the past year, AJKD editors have introduced “Research Letters”, a new article type comprising brief original reports, and the office has debuted a Facebook page for the journal, facilitating outreach to a new generation of nephrologists fluent in social media. In collaboration with the publisher, the editorial office also launched an updated article layout, allowing more efficient use of the journal’s page allotment and more consistent branding for users interacting with AJKD online.

Finally, AJKD continues to be a strong advocate of World Kidney Day and associated activities. In March 2011 in a supplement to AJKD, the editors published articles commemorating the 10th annual report of the NKF’s Kidney Early Evaluation Program (KEEP), an initiative aimed at screening individuals at risk for CKD. The March issue itself contained a position statement from the Global Kidney Disease Prevention Network, an organization coordinated by the NKF for a global approach to CKD detection and prevention, as well as the World Kidney Day statement highlighting the connections between kidney disease and cardiovascular morbidity and mortality.
Other Editorial Board Appointments

In addition to their responsibility for editorship of *American Journal of Kidney Diseases*, members of the Division serve on other editorial boards.

- Dr. **Kassirer** is a Senior Editorial Advisor for *Circulation: Cardiovascular Quality and Outcomes*.

- Dr. **Madias** is a member of several editorial boards including *Hippokratia, Hellenic Medicine, Kidney: A current survey of world literature, International Angiology*, and *Arterial Hypertension*.

- Dr. **Pereira** serves on several editorial boards including *Hypertension Dialysis, Clinical Nephrology, Indian Journal of Nephrology, Nephron, CKD—The Journal of Chronic Kidney Disease, Nephrology Resource Directory*, and *Indian Journal of Peritoneal Dialysis*.

- Dr. **Richardson** is the Editorial Board Chair for the 7th edition of the *Pharmacotherapy Self-assessment Program* (PSAP) series. The PSAP series is a premier publication of the American College of Clinical Pharmacy and is modeled after the Medical Knowledge Self-Assessment Program. The program is designed as a self-assessment tool to assist pharmacists in sharpening their clinical skills and keeping abreast in therapeutic areas with updated standards of practice.

- Dr. **Sarnak** is a member of the Editorial Board for the *Annals of Internal Medicine*.

### 2011 Education Awards and Honors

- In 2011, the Tufts Medical Center Housestaff rated the Renal Ward Service as the third best inpatient educational experience and the Renal Clinic rotation as their best overall educational experience.

- Dr. **Balakrishnan** received an Attending Teaching Award from the Tufts Medical Center house staff at the annual end of the year banquet.

- Drs. **Balakrishnan, Gilbert**, and **Sarnak** were recognized by the third year
medical class for their teaching in the medical clerkship at Tufts Medical Center. The students identified Dr. Gilbert for accomplished teaching and Drs. Balakrishnan and Sarnak for their notable teaching.

- Dr. Gilbert received an Excellence in Teaching Award from the Senior Class of Tufts University School of Medicine. The award was presented at the Senior Dinner on May 18th at the Boston Marriott Copley Hotel. This is the 8th year in a row that Dr. Gilbert has received this award from the Senior class.

- Dr. Kassirer gave a Paul Cudmore Lecture at Dalhousie in Halifax, N.S., where he was a visiting professor.

- Dr. Kassirer is a visiting professor at Stanford University where he collaborates with Arnold Milstein's group on Care Redesign.

- Dr. Madias received an Honorary Doctorate from the School of Medicine at the National Kapodistrian University in Athens, Greece.

Public Policy

2011 Policy Initiatives

- Dr. Meyer was a co-author on a final report submitted to CMS by the Forum of ESRD Networks that influenced a recent CMS decision to change the national deployment schedule of CROWNWeb. The Forum undertook a rigorous process including analysis of progress on CROWNWeb, writing a preliminary report, further data collection and analysis, review by all Networks, and submitting a final report to CMS advising delay in CROWNWeb national deployment. Early in 2011, CMS announced that as a result of internal deliberations and community comment, the deployment schedule would in fact change.

Continuing Policy Initiatives

Expert Panel Appointments/Consultancies

- Dr. Gilbert is a member of the Panel for Accreditation Appeals in Nephrology.

- Dr. Inker is a member of the National Institute for Diabetes, Digestive and Kidney Disease: United States Renal Data System External Advisory Committee.
• Dr. Inker is the co-chair of the KDIGO Renal Working Group which in conjunction with the World Health Organization is revising ICD-9 towards development of ICD-11.

• From 2007 until 2011, Dr. Uhlig was a consultant to the Society of Gynecological Surgeons Systematic Review Group in the for evidence review and development of two evidence-based clinical practice guidelines. Her role has included being a methods consultant, member of evidence review group and guideline writing group, and a co-organizer and workshop faculty.

• In 2011, Dr. Uhlig completed her service as a Technical Expert Panel Member for a group commissioned by the Minnesota Evidence Practice Center for AHRQ Systematic Review on early Chronic Kidney Disease.

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. This research is being funded by the World Bank, Compliance Advisor Ombudsman’s Office and its objective 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 Quality Management 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. The team’s numerous current projects include continued development of decision support tools for treatment of dialysis patients’ anemia and the implementation of an interface between hemodialysis machines and the information system.

DCI Outcomes Monitoring Program

Dr. Richardson directs the corporate-wide DCI Outcomes Monitoring Program. The program has two facets, one is the use of patient experience data to improve care, and
the other is the collection of high-quality comorbidity data. Patient experience is assessed using the SF-36+24 or the KDQOL-36 questionnaire and a patient satisfaction questionnaire. Data are collected from all DCI chronic dialysis units. The current HRQOL database contains over 200,000 observations from more than 45,000 dialysis patients.

Dr. Miskulin leads the Comorbidity Assessment Program, as part of the Outcomes Monitoring Program, in DCI and to examine various issues that affect dialysis patient outcomes. She also works with the DCI Research Department to review and develop new studies to implement in DCI dialysis units and is the medical monitor for the Safety and Effects of Supplementation with Ergocalciferol on Erythropoietin Dosing in Hemodialysis Patients, A Randomized Trial. Alice Martin, RN assists Dr. Miskulin with projects in the Comorbidity Assessment Program. Ms. Martin is also a DCI Project Manager with the DCI Research Department and is involved with various projects including training and supporting DCI clinical research coordinators in implementation of clinical trials.

**National Kidney Disease Education Program**

Drs. Levey and Inker are members of the National Kidney Disease Education Program (NKDEP) of the NIDDK. Dr. Levey has participated in the efforts of the NKDEP to recommend reporting GFR estimates by clinical laboratories and to standardize serum creatinine assays for more accurate GFR estimation.

**Polycystic Disease Outcomes Consortium**

In 2009, Dr. Perrone was appointed as the Clinical Lead of the Polycystic Disease Outcomes Consortium. The goal of the Consortium is to establish a polycystic kidney disease clinical database. This appointment was the culmination of several years of effort. In 2007, Dr. Perrone was appointed as Chairman of the Steering Committee for the Clinical Trial Endpoints and Therapies in Polycystic Kidney Disease workshop jointly sponsored by the FDA and the PKD Foundation. As an extension of this workshop, Dr. Perrone chaired the 2008 Polycystic Kidney Disease Database Consortium meeting with the FDA and representatives from the pharmaceutical industry and academic institutions. Dr. Perrone continues to work with the FDA, the PKD foundation, the Clinical Data Interchange Standards Consortium (CDISC), and The Critical Path Institute (C-PATH). These efforts are directed toward the ultimate acceptance, by the FDA, of total kidney volume as a surrogate endpoint for clinical trials in polycystic kidney disease.
Philanthropic Support of the Division

Continuing Philanthropic Initiatives

The 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 the Chief of the Division of Nephrology, with an initial goal to provide direct support to kidney patients, whether they are in the Kidney Transplant Program; receiving dialysis through the independent Dialysis Clinic, Inc. (DCI) or another dialysis provider; or receiving any type of treatment for kidney disease. The Chief of the Division of Nephrology consults with leaders of kidney-related clinical disciplines, including dialysis, the medical and surgical areas of transplantation, and pediatric nephrology, to identify compelling needs to be supported by the *Inker Family Fund*.

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

“It’s terrific to have this fund available to help our patients—no delays, no bureaucracy, and almost immediate resolution of the patient request.”

Dr. Perrone

Ben and Lesley Inker
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 Scharf and Dr. Daniel Weiner
Mr. Roger A. Seltzer
Mr. Jamie Shields and Ms. Shawna Colvin
Mr. and Mrs. Murray A. Silver

“We see many transplant patients and families who are traveling long distances, or overcoming financial stressors to get their transplant care here. As the social worker, it has been so helpful for me to know the Inker Fund is available to help our patients in extenuating circumstances continue to receive the outstanding care we offer here at Tufts Medical Center.”

Katie Saunders, MSW
Transplant Social Worker

“The Inker Family Fund is truly a gift and a blessing to our dialysis unit. When I see a patient who has an immediate need, it is so wonderful to be able to tell them that there is help for them right away. It is through the immense generosity of others, that our clinic is able to provide for the needs of patients whose needs would not be met elsewhere.”

Kathy Murray, MSW
Dialysis Social Worker
- 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

2011 Inker Family Fund Updates

- Administration of the Inker Family Fund began in 2011. A committee comprised of Dr. Perrone, Kathleen Murray, MSW (dialysis social worker), Katie Saunders, MSW (transplant social worker), and Linda Mazzola, RN (pediatric nephrology nurse) has the discretion to easily meet patient needs based on the Inker Family Fund criteria. Funds are available to provide emergency support to patients with kidney disease for which there are no other sources of support.

- The following are examples of basic necessities that have been provided by the Inker Family Fund in 2011:
  - Winter coats, shoes, and other clothing necessities
  - Utility payments (e.g., gas, electric, oil) and rent
  - Medical and insurance co-payments and uncovered dental expenses
  - Grocery store gift cards
  - Medical devices (e.g., blood pressure cuffs) not covered by insurance

- The following are examples of the more extraordinary disbursements in 2011:

The Inker Fund has made a dramatic difference in the quality of life of patients who have benefited from the fund. The ability to use the fund in a variety of flexible ways has allowed us to respond to patients needs in a way that we have not been able to respond to in the past.

Dialysis nurse
- Organic, dye-free clothing and special soap for a patient with severe recurring skin infections
- Transportation costs for a terminally ill patient to return to her family home
- Student loan payments for a new college graduate with a kidney transplant who required infusions 3 times/week
- Contribution to funeral expenses for a patient who had long suffered from complications of kidney disease

- Finally, here are some patient stories and gratitude for the Inker Fund’s impact:

  - “Thank you for being there. I just can’t thank you enough for all you have done.”

  - A patient who works full time, finds it hard to make ends meet and spends 3 nights dialyzing after working was extremely grateful for the assistance the Inker Fund provided for her. She was out of work for 3 months, with no income and no way to pay her rent. The Inker Fund paid her rent for 1 month and provided grocery store gift cards so that she would have food. “I don’t know what I would have done without your help, I was afraid I may have ended up homeless.”

  - A patient who received a grocery store gift card said “If it was not for the assistance, I would have to have eaten cereal all week”.

  - One patient who is struggling with many medical issues, said if it were not for the help from the Inker Fund, he “would have received an eviction notice”.

  - “I would have no way to get to dialysis if the Inker Fund had not helped me put money into my Ride account.”

  - “Because the Inker Fund helped put money into my Ride account, I can now purchase soap and laundry detergent.”
Dr. Gerald J. and Dorothy R. Friedman Professor of Medicine Endowed Chair in Nephrology at Tufts University School of Medicine and Tufts Medical Center

The Dr. Gerald J. and Dorothy R. Friedman Professor of Medicine Endowed Chair in Nephrology at Tufts University School of Medicine and Tufts Medical Center was established in 2001 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 has always entertained the Ross and Friedman families and friends.

Dr. Friedman died on November 25, 2004 at the age of 91. He is survived by his wife Dorothy and his niece, Jane Friedman.
2011 Friedman Fund Updates

- In 2011, the Friedman Foundation held its [Fourth Annual Gerald J. Friedman Fellows Symposium on Nutrition, Diabetes and Human Health](#). Endocrinology fellows and doctoral candidates from Tufts participated in this conference.

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

2011 Schwartz Fund Updates

• In 2011, we were very appreciative to receive new gifts from the following individuals:
  • Mr. Scott S. Carney
  • Mr. Frederick Cram
  • Ms. Kathleen F. Dearn
  • Mr. and Mrs. Robert Driscoll
  • Dr. and Mrs. Howard B. Garfinkel
  • Ms. Karen L. Goodwin
  • Mr. and Mrs. David Hayes
  • Dr. Lesley Inker and Mr. Benjamin L. Inker
  • Mr. and Mrs. Mathew King
  • Ms. Daniela Lambert
  • Mr. and Mrs. Peter M. Neagle, Sr.
  • Ms. Diane E. Yost

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, has played a vital role in Tufts Medical Center’s Division of Nephrology. Widely known as a gifted nephrologist who has 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.

Dr. John T. Harrington
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 holds 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

Corporate/Institutional Donors
- Dialysis Clinic, Inc.
- Tufts University School of Medicine
- Merck & Co., Inc.

Previous Visiting Professors:

1st Annual John T. Harrington Grand Rounds
January 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
March 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
March 2009
Eberhard Ritz, MD, Visiting Professor
Department of Internal Medicine Ruperto Carola University of Heidelberg, Germany
The World Kidney Day: The Kidney and Hypertension
2011 Harrington Fund Updates

- In 2011, we were very appreciative to receive the following new gifts:
  - Dr. and Mrs. Howard B. Garfinkel
  - Dr. and Mrs. James A. Strom

- In 2011, Jonathan Himmelfarb, MD, Professor of Medicine, Joseph W. Eschbach Endowed Chair for Kidney Research from the University of Washington Division of Nephrology in Seattle WA was the Visiting Professor for the 5th Annual John T. Harrington Grand Rounds. Dr. Himmelfarb is also the Joseph W. Eschbach Endowed Chair in Kidney Research. He presented research conference in the Division and spoke about “Non-traditional cardiovascular risk factors in chronic kidney disease”. At Ground Rounds his presentation was entitled “Kidney Disease as a Public Health Problem: Problems, Progress, and Prospects”

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

2011 Diddy Seybolt Fund Updates

- In 2011, proceeds from the Diddy Seybolt Fund were used for a variety of educational purposes for dialysis clinic staff. The dialysis patient care technicians attended an educational program in April and to the ESRD Network of New England Annual Meeting in October. It also allowed an additional dialysis nurse to attend the DCI Annual meeting in October, and helped the dialysis clinic dietician and social worker to attend local professional meetings.

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. If you wish to make a contribution to the Friedman Fund, please designate that you would like your contribution to support that Fund. You can make your contribution to Tufts University School of Medicine online at https://www.alumniconnections.com/donate/tufts/ or mail it to:
To support any of the other funds, please indicate the specific name of the fund to which you wish your gift to be directed. Contributions can be made to Tufts Medical Center online at http://tuftsmemicalcenter.org/giving or mailed to:

Tufts Medical Center
Development Office
800 Washington Street
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