We dedicate this year’s report to the Division’s administrative, clinical, and research support staff who make everything we do possible.
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Message from the Chief

Welcome to our 11th Annual Report. This year’s report summarizes our endeavors in the areas of administration, patient care, research, education and policy. Beginning on page 3, we include pictures from Dr. Kassirer’s 80th birthday celebration on December 20, and individual pictures of our support staff, to whom we dedicate this year’s annual report. We are fortunate to have an experienced and committed staff to assist us in patient care, administration, and research. Without their competent and devoted help, we would not have able to have a year filled with the accomplishments described in our Report.

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 2012. Major clinical events of this year include Gautham Viswanatan, MD, MS joining the Division’s staff after graduating from our fellowship program; the growth of our peritoneal dialysis program at DCI Ball Square in Somerville; DCI’s outstanding clinical performance including Fistula First; ESRD Quality Improvement Program; the 4 - Diamond Award from the Network; and corporate clinical awards (see pages 37-38). In addition the Home Program won several awards at the DCI Home Program Meeting. Research highlights include new grants and continued publication of original investigations in high impact journals (pages 40-50). I had the opportunity to visit leading medical centers in China to develop new research collaborations. This year, Adeera Levin, MD Staff Nephrologist at St. Paul’s Hospital and Professor at the University of British Columbia in Vancouver, British Columbia, Canada was the Harrington Visiting Professor to celebrate World Kidney Day in March (page 76). Public policy achievements included that celebration of the 10th anniversary of the NKF-KDOQI CKD guidelines with a special issue of AJKD and the completion of a KDIGO guideline update. Dr. Uhlig led the evidence review team. I had the opportunity to lead a workshop sponsored by the US Food and Drug Administration and National Kidney Foundation to propose new surrogate endpoints for clinical trials in CKD. Dr. Inker led one of three analytic groups that prepared materials for the workshop. We continue to report on philanthropic support to the Division, including much needed support for our patients from the Inker Family Fund (page 67).

This was another year rich with recognition and awards to Division members. Drs. Inker and Miskulin were promoted to Associate Professor and Dr. Jaber was promoted to Professor. Deb Basler, ANP-BC received the prestigious Tufts Medical Center Saltonstall Employee Excellence Award; Dr. Gilbert received the Excellence in Teaching Award from the Senior Class of Tufts University School of Medicine for the 5th time! Drs. Balakrishnan and Sarnak also received teaching awards. I was honored to receive the Hume Award from the NKF.
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 2013!

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
Division Support Staff

We dedicate this year’s annual report to our amazing support staff. We are so fortunate to have an experienced and committed staff to assist us in patient care, administration, and research. Without their competent and devoted help, we would not have been able to have a year filled with the accomplishments described in our Report. We are also honored to have 3 Saltonstall Employee Excellence Award winners in our midst!

Administration

Geneva Tucker
Business Operations Manager
1 year with Division

Neva Parsons
Administrative Coordinator
6 years with Division

Lorna Davies
Assistant to Drs. Levey, Perrone, & Meyer
16 years with Division
Saltonstall Award Winner—May 2009
Research

Krista Bosiclair
Research Administrator III
5 years with Division

Kelley McCue
Research Administrator II
2 years with Division

Kidney & Blood Pressure Center

Elizabeth Wenger
Clinic Supervisor
2.5 years with Division

Helen Friedman
Patient Service Coordinator III
16 with Division
Saltonstall Award Winner—2006
Debbie Mitchell-Dozier, RN
Staff Nurse
7.5 years with Division
Saltonstall Award Winner—April 2011

Hasnaa Moussaif
Patient Service Coordinator II
4 years with Division

Finna Tam
Patient Service Coordinator III
4 years with Division

Ashley LaCatte
Clinic Phlebotomist
3.5 years with Division
Jerome P. Kassirer, MD celebrated his 80th birthday (December 19) with family and friends from Tufts and the Boston area.

JPK arrived at Tufts in 1959 -- we wish him many more birthdays with us.
Administration

The William B. Schwartz Division of Nephrology is comprised of full-time and part-time physicians and scientists and staff to support our clinical, research, educational and administrative endeavors. The Division is an integral part of the Tufts Medical Center, Tufts University School of Medicine (TUSM), and Tufts University communities. As listed in the Staffing section, many Division members have other appointments within Tufts Medical Center, TUSM, and the 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.
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>5&lt;sup&gt;th&lt;/sup&gt; &amp; 6&lt;sup&gt;th&lt;/sup&gt;</td>
<td></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>
</tr>
</tbody>
</table>

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>
<tr>
<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>• Reading and hospital-based clinics at Lawrence Memorial, Melrose-Wakefield and St. Elizabeth’s Medical Center</td>
<td>• Outpatient nephrology</td>
</tr>
<tr>
<td></td>
<td>Anthony Z. Dash, MD</td>
<td>• St. Elizabeth’s Medical Center, Kindred, Lawrence Memorial, Melrose-Wakefield, Whidden, Winchester hospitals</td>
<td>• Inpatient consultation and dialysis services</td>
</tr>
<tr>
<td></td>
<td>Madhumathi Rao, MD, PhD</td>
<td>• DCI Ball Square, St. Elizabeth’s Medical Center, Malden, Medford, Saugus, Stoneham, and Woburn dialysis units</td>
<td>• Outpatient dialysis services</td>
</tr>
<tr>
<td></td>
<td>Gautham Viswanathan, MD</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9
**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, FRCP(C)  
Andrei Kouznetsov, MD  
Amy B. Kuhlik, MD  
Klemens B. Meyer, MD  
Dana C. Miskulin, MD, MS, FRCP(C)  
Brian J.G. Pereira, MD, MBA  
Monika Pilichowska, MD, PhD  
Valerie R. Price, MD  
Madhumathi Rao, MD, PhD  
Mark J. Sarnak, MD, MS, FASN  
Carmen Castaneda Sceppa, MD, PhD  
Katrin Uhlig, MD, MS  
Gautham Viswanathan, MD, MS  
Daniel E. Weiner, MD, MS, FNKF

**Special and Scientific Staff**

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

**Associate Physician Staff**

Bertrand L. Jaber, MD, MS, FASN  
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 Chair in Medicine  
Chairman, Department of Medicine  
Academic Dean of TUSM  
St. Elizabeth’s Medical Center
Adjunct Physician Staff

Miguel Cendoroglo, MD  
Associate Professor of Medicine at the Division of Nephrology  
Federal University of Sao Paulo  
Medical Director and Superintendent  
Hospital Israelita Albert Einstein  
Sao Paulo, Brazil  
Board Member  
National Association of Private Hospitals in Brazil

Ezra Gabbay, MD, MS  
Division of Adult Nephrology  
Shaare Zedek Medical Center  
Jerusalem, Israel

John S. Gill, MD, MS  
Associate Professor of Medicine  
Transplant Fellowship Director  
University of British Columbia and St. Paul’s Hospital  
Vancouver, Canada

Tazeen H. Jafar, MD, MPH  
Director, Clinical Epidemiology Unit  
The Noormahomed Pirmahomed Sheriff Professor (Nephrology & Community Health)  
Department of Medicine  
Department of Community Health Sciences  
Aga Khan University  
Karachi, Pakistan

Gregorio T. Obrador, MD, MPH  
Professor of Medicine  
Dean  
Panamerican University School of Medicine  
Mexico City, Mexico

Martin Wagner, MD, MS  
Adjunct Instructor  
Resident/Fellow  
Department of Medicine I, Division of Nephrology  
University Hospital of Würzburg, Germany  
Würzburg, Germany

Faculty Emeriti

John T. Harrington, MD  
Professor of Medicine  
Dean Emeritus, TUSM

Jerome P. Kassirer, MD  
Distinguished Professor  
Special Assistant to the Dean, TUSM

Management Staff

Geneva Tucker  
Business Operations Manager  
William B. Schwartz Division of Nephrology and Pratt Medical Group Nephrology and Hypertension, Concord

Krista Boisclair, MS  
Research Administrator II
Faculty Descriptions

Andrew S. Levey, MD

Dr. Levey is Gerald J. and Dorothy R. Professor of Medicine at Tufts University School of Medicine and Chief, William B. Schwartz Division of Nephrology at Tufts Medical Center. His 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, systemic lupus erythematosis, and transplantation. He was director of the dialysis unit at Tufts Medical Center and Dialysis Clinic, Inc. Boston from 1981-1990.

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. He was the principal nephrologist co-investigator for the NIDDK-sponsored Modification of Diet and Renal Disease (MDRD) Study. He and his colleagues have developed the MDRD Study equation to estimate GFR from serum creatinine using this large database, and more recently he has led the NIDDK-sponsored CKD Epidemiology Collaboration (CKD-EPI) to pool databases from other studies to develop the CKD-EPI equations based on creatinine, cystatin C and other filtration markers. The use of these equations to estimate kidney function has transformed research, clinical practice and public health in CKD.


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 program is also funded, in part, by grants and contracts from foundations and industry. He was director for the Tufts University School of Medicine course for second year students in renal pathophysiology from 1981 to 1988.

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 was co-chair of the Centers for Disease Control and Prevention 2007 technical expert panel to develop strategies for preventing development and progression of kidney disease and of the Food and Drug Administration-National Kidney Foundation 2008 conference to address proteinuria as a
surrogate outcome in CKD. He was formerly Associate Editor for Kidney Disease and Hypertension for the *Annals in Internal Medicine*, and since 2006, he is Editor-in-Chief of the *American Journal of Kidney Diseases*.

He has received the Distinguished Faculty Award from Tufts University School of Medicine in 2004. The National Kidney Foundation has honored him with the President’s Award in 1998, Garabed Eknoyan Award in 2002, and David W. Hume Award in 2012.

**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. 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 and 4/4 studies. 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 study was recently concluded and results published in the NEJM. The unique endpoint of kidney volume growth was assessed using magnetic resonance imaging. Tufts Medical Center is one of 129 international TEMPO 3/4 Study centers. TEMPO 4/4 is a long-term open label extension of TEMPO ¾.

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. Dr. Gilbert directs the required Objective Structured Clinical Examination for all 3rd year students. 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 and the Renal Section of *Nutritional Biochemistry and Physiology* in the Friedman School of Nutrition. 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 cardiorenal syndrome, 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. In the past year, Dr Inker has been involved with 2 additional projects related to evaluation of alternative endpoints for kidney disease outcomes. She is the principal investigator of a study to evaluate proteinuria in IgA nephropathy and she is the director of the analytical team to evaluate alternative creatinine based outcomes as part of an FDA-NKF workshop held December 2012. 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 was recently named co-chair of the Kidney Disease Outcome Quality Initiative (KDOQI) committee on the CKD Guidelines, which will write a commentary on the soon to be published KDIGO guidelines. 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 of the Kidney and Blood Pressure Center and 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 efforts focus 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 examined the role of more frequent hemodialysis for the treatment of chronic kidney failure. Dr. Jaber is a Faculty member of the Sackler School of Graduate Biomedical Sciences, and is a member of the Faculty Senate at Tufts University School of Medicine. Dr. Jaber is co-editor for the American Journal of Kidney Diseases. He currently serves as Chair of the American Society of Nephrology Acute Kidney Injury Advisory Group.

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 was a membership of the leadership of the ESRD Network of New England for two decades, and recently served as President of the Board of Directors of the National Forum of ESRD Networks.

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. In 2012, Dr. Miskulin was promoted to Associate Professor of Medicine.

Brian J.G. Pereira, MD, MBA
Dr. Pereira is CEO of Rakth Therapeutics. He was the former President and Chief Executive Officer of AMAG Pharmaceuticals, Inc, prior to that CEO of a Physician Organization at Tufts Medical Center. He continues to retain 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, member of the Board of NephroPlus, member of the Board of the Harvard-MIT HST 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 ESRD. She is currently funded by the Paul Teschan Research Fund to study the role of the gut microbiota in the genesis of inflammation in dialysis patients. Her other research work has addressed the genetic basis of cardiovascular and kidney disease progression among patients with diabetic and non-diabetic CKD for which she was supported by a K23 career development award from the NIDDK and the role of mitochondrial genetics in CKD complications, for which she was supported by an R-21 award from the NIA and the NKF Young Investigator award. 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 is the course director for cardiovascular epidemiology for the MD-MPH course in the Tufts University School of Medicine and co-teaches the genetic epidemiology course in the Master of Science Program at the Sackler School of Graduate Biomedical Sciences at Tufts University. 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, BCPS
Dr. Richardson’s research interest is the study of health-related quality of life and satisfaction in patients with CKD. 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 Acting Director of the Center for Clinical Evidence Synthesis in the Institute for Clinical Research and Health Policy Studies where she directs comparative effectiveness reviews and technology assessments to inform clinical decision making in Nephrology and other areas. Dr. Uhlig is an expert in evidence-based medicine and critical literature appraisal. She conducts research and lectures on topics and methods related to clinical practice guidelines, systematic reviews 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 Chronic Kidney Diseases, kidney transplants and kidney stones.

Gautham Viswanathan, MD, MS
Dr. Viswanathan finished his clinical and research fellowship in nephrology at Tufts Medical Center this June and and joined the Division as a staff nephrologist. Dr. Viswanathan practices primarily at Lawrence Memorial Hospital and St. Elizabeth's Medical Center. He consults in the inpatient settings on the care of patients with kidney disease, electrolyte disorders, and those treated with hemodialysis and peritoneal dialysis.

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 was 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. Dr. Weiner is also active in medical education, and, as of January 1, 2013, is the Chair of the Curriculum Committee at Tufts University School of Medicine.

**Division Staff**

**Administration**

Members of the support staff sustain the Division’s administrative, clinical, and research operations. Geneva Tucker, the Business Operations Manager, supervises 30 personnel within the Division (28 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 Coordinator</td>
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<tr>
<td>Neva Parsons</td>
<td>Administrative Coordinator</td>
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</tbody>
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**Kidney and Blood Pressure Center Staff**

<table>
<thead>
<tr>
<th>Staff Member</th>
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<tbody>
<tr>
<td>Alesha Brown</td>
<td>Medical Assistant</td>
</tr>
<tr>
<td>Helen Freedman</td>
<td>Practice Coordinator</td>
</tr>
<tr>
<td>Hasnna Moussaif</td>
<td>Practice Coordinator</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>Practice Coordinator</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

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<thead>
<tr>
<th>Staff Member</th>
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<tbody>
<tr>
<td>Nancy Casacca</td>
<td>Practice Coordinator</td>
</tr>
<tr>
<td>Julie Flynn</td>
<td>Practice Coordinator</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Staff Member</th>
<th>Position</th>
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<tbody>
<tr>
<td>Cassandra Becker</td>
<td>Research Assistant II</td>
</tr>
<tr>
<td>Lily Chan</td>
<td>Clinical Research Coordinator I</td>
</tr>
<tr>
<td>Teena Cherian</td>
<td>Clinical Research Coordinator I</td>
</tr>
<tr>
<td>Ryan Coffey</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Amanda Civiletto</td>
<td>Clinical Research Coordinator I</td>
</tr>
<tr>
<td>Li Fan</td>
<td>Research Volunteer</td>
</tr>
<tr>
<td>Heather Friedman</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Shana Haynes, DHSc</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Alyson Heath</td>
<td>Clinical Research Coordinator I</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>Aghoghoo 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>Veronika Testa, RN, CCRC</td>
<td>Clinical Research Associate IIA</td>
</tr>
<tr>
<td>Andrew Well</td>
<td>Clinical Research Coordinator III</td>
</tr>
<tr>
<td>Open Position</td>
<td>Clinical Research Associate II</td>
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Research Administration

Krista Boisclair, MS Research Administrator, under the supervision of Director of Research Administration for the Department of Medicine, is responsible for assisting investigators and research staff in all aspects of grants management and coordination with research activities of the Division. Research activities of the Division are discussed in more detail starting on page 39.
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 62.

*American Journal of Kidney Diseases Editorial Office Staff*

<table>
<thead>
<tr>
<th>Staff Member</th>
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<tbody>
<tr>
<td>Elizabeth Bury, MFA</td>
<td>Associate Managing Editor</td>
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<tr>
<td>Emily Fay, MA</td>
<td>Editorial Assistant</td>
</tr>
<tr>
<td>Barbara Saper</td>
<td>Editorial Office Associate</td>
</tr>
</tbody>
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Faculty and Staff Changes in 2012

Faculty Changes

- **Dr. Gilbert** received an academic appointment in Tisch College at Tufts University.
- **Drs. Inker** and **Miskulin** were promoted to Associate Professor of Medicine.
- **Dr. Jaber** was promoted to Professor of Medicine.
- **Dr. Kausz** resigned from the Division and AMAG Pharmaceuticals to accept a clinical development position at Reata Pharmaceuticals in Dallas TX.
- **Dr. Upadhay** accepted a position at Boston Medical Center as a staff nephrologist and also as the Associate Program Director Internal Medicine Residency Program at Boston University School of Medicine.
- **Dr. Viswanathan** joined the Division staff and is working with Drs. Cohen and Dash at off site practices.

Staff Changes

*Clinical*

- **Ashley LaCatte** resigned her position as clinic phlebotomist to join a team at Brigham and Womens Hospital and continue her studies in nursing school. Ashley was an integral member of the KBPC team for over 3.5 years.
• **Alesha Brown** joined the Division as a Medical Assistant. She most recently worked for Signature Healthcare at Brockton Hospital as a centralized scheduler and prior to that she worked for Dana Farber Cancer Institute where she was a phlebotomy instructor. She is a graduate of Bryman Institute for Medical Assisting and is currently enrolled at Bristol Community College in pursuit of her AS in Business Administration.

**Research**

• **Kelley McCue** resigned as a Research Administrator to accept a position in Research Finance at Partners Healthcare. She worked in the Division for 4 years.

• **Temitope Ojo** resigned her position as a research assistant to attend medical school.

• **Cassandra Becker** joined the Division as a Research Assistant, primarily working with Dr. Inker on surrogate endpoints for kidney disease progression and other projects. **Lily Chan** and **Corinne Pellows** also joined the Division in 2012. Corinne has spent 2 summers working with Dr. Weiner to help out with SPRINT. Lily is a recent UMass Boston graduate who is the primary coordinator on a DCI-initiated Nutritional Vitamin D trial in dialysis patients.

• **Heather Friedman** joined the PKD research team to work on the Tolvaptan studies. She is a recent graduate from Skidmore College and has a strong background in clinical research methodologies.

• **Bary (Yo Chin) Yuen** left to attend nurse practitioner school.

**Service**

Members of the Division are actively 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.

• 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

• Several members of the Division have roles on the TUSM Curriculum Committee; Dr. **Weiner** is the Chair, Dr. **Gilbert** is an *Ex Officio* member, and Dr. **Inker** is a member.

• Dr. **Gilbert** is a member of both the Learning Community Steering Committee and the Community Service Learning Effort Steering Committee.

• In 2012, Dr. **Gilbert** became Chair of the Objective Structured Clinical Examination (OSCE) Committee.

• Dr. **Jaber** is on the Faculty Senate at TUSM.

• Dr. **Madias** is a member of the TUSM Executive Council.

• Dr. **Meyer** serves as a faculty advisor for the Galen Society.

• Dr. **Rao** is a member of the TUSM Scientific Affairs Committee.

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

• Dr. **Uhlig** is the leader of the Concentration for Evidence-based Medicine in the Sackler Clinical Research Program for the Sackler School of Graduate Biomedical Sciences.

### 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.

• Dr. Gilbert serves as a member of the Medical Advisory Board of the NKF Serving New England.

• Dr. Gilbert serves on the Executive Committee of the Nephrology Training Program Directors for the American Society of Nephrology.

• 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 is a member of the National Kidney Disease Education Program Laboratory Work Group.

• Dr. Inker also serves on the National Institute for Diabetes, Digestive and Kidney Disease (NIDDK) United States Renal Data System (USRDS) External Advisory Committee as well as the Vascular Access Consortium External Advisory Committee.

• Dr. Jaber has several service commitments to the American Society of Nephrology. He is the Chair of the Acute Kidney Injury Advisory Group, sits on the Patient Quality & Safety Taskforce, and participated in the American Society of Nephrology Hill Day Delegation.

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

• In 2012, Dr. Kassirer completed a 5-year term as a member of the Board of Directors at Open Medicine.

• 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.

• Dr. Madias was a member of the ASN Kidney Week 2012 Program Committee.
• Debbie Mitchell-Dozier was elected to serve on the Network Board of Directors for ESRD Network of New England. 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.

• Dr. Meyer is the President of the Board of Directors 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.

• Dr. Meyer is a member of the Technical Expert Panel on Anemia convened by Arbor Research on behalf of the Centers for Medicare and Medicaid Services.

• 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 Chairman of the Board at Biodel, Inc. and a member of the Board of Directors at NephroPlus, India’s leading dialysis service provider.

• Dr. Pereira is a member of the Board of Advisors at Harvard-MIT Health Sciences & Technology.

• Dr. Pereira is a member of the Board of Trustees at the American India Foundation.

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

• 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 Kidney
Transplant Committee. His term on the committee began in 2012 and will end in June 2014.

- 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.

- 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 chair 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. Sceppa is the Chair-elect of Aging & Chronic Disease RIS for the American Society for Nutrition.

- Dr. Sceppa is an abstract reviewer for both the American Society for Nutrition and the European Society for Parenteral and Enteral Nutrition Annual Meeting.

- Dr. Uhlig is a member of the Advisory Board for Sigma Tau, Italy, to evaluate L-carnitine in hemodialysis patients.

- Dr. Weiner is a member of the American Society of Nephrology’s Dialysis Advisory Group, the ACO Task Force Writing Group, and the Quality & Safety Work Group.

- Dr. Weiner participated in the ESRD Clinical Technical Expert Panel regarding dialysis hospitalizations.

- Dr. Weiner is a member of the ASN Quality Metrics Task Force.

- Dr. Weiner is a grant reviewer for the NIDDK Member Conflict Telephone Special Emphasis Panel.

- Dr. Weiner is a member of the Dialysis Clinic Inc. Medical Director Research Committee.

- Dr. Weiner is a member of the 2013 NKF Spring Clinical Meeting Planning Committee.
Administrative Honors and Awards

- Ryan Coffey was elected to be a member of the newly formed Tufts MC Employee Engagement Council. The purpose of this council is for employees to have a greater voice. The Council consists of 33 non-managerial employees from all walks of the hospital. The council will work with the Employee Engagement Advisory Group, consisting of administrators and physicians, to promote ways to make Tufts MC a better place to work, and to ensure all employees feel involved and respected in the decision making process.

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.

2012 Outpatient Patient Care Initiatives

- Dr. Inker assumed the role of Director, Kidney and Blood Pressure Center.

- eClinical Works, an ambulatory clinical information system and electronic health record, was implemented in the Kidney and Blood Pressure Center under the guidance of Dr. Inker and Ms. Wenger. David Drew, Alin John, and Jen Trignano were members of the Advance Team who helped customize the system for Nephrology.

- Dr. Rao reinstituted the bone biopsy program.
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. Inker. There are currently nine half-day-a-week clinics staffed by Drs. Balakrishnan, Gilbert, Inker, Kuhlik, Levey, Meyer, Miskulin, Perrone, Sarnak, and Uhlig.

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 RN, DCI Ball Square Home Dialysis Nurse Manger, Debbie Mitchell-Dozier R.N. holds patient education sessions. The Renal Replacement Options Meetings are facilitated discussions held every quarter for Stage 4 and Stage 5 CKD patients who would benefit from open discussion of hemodialysis (center based vs. home based), peritoneal dialysis, and kidney transplantation. The meeting is open to both patients and family members. 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, participating in a regional program which treats more than 50 patients by peritoneal dialysis and home hemodialysis at DCI’s Ball Square facility in Somerville. Of these patients, approximately 25 originate from the Tufts Medical Center Boston practice. Thus, the Division treats about 20% of its dialysis patients by home dialysis, compared to fewer than 10% nationally. Drs. Meyer, Weiner, Miskulin, Balakrishnan, Dash, and Cohen hold monthly home dialysis clinics at DCI Ball Square.
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 Charles M. Whitney Professor and Chairman, Department of Urology; Adel Malek, MD, Chief, Division of Neurovascular Surgery; Richard Rohrer, MD, Chief, Transplant Surgery; Michael Tarnoff, MD, Surgeon, Minimally Invasive Surgery Center; Laurence H. Brinckerhoff, M.D., Division of Thoracic Surgery; and Diana Bianchi, MD, Executive Director, Mother and Infant Research Unit, Floating Hospital for Children.

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 the 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.

DCI Boston

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 25 years' experience in dialysis. 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. The ESRD Network of New England reported in April 2012 that among 70 hemodialysis facilities in Massachusetts, DCI Boston had the second highest rate of patients dialyzing by native vein arteriovenous fistula, and was one of only 4 facilities at which more than 80% of patients dialyzed by a native vein fistula.

As seen in Figure 1, the Centers for Medicare and Medicaid Services, (CMS) in their 2012 Dialysis Facility Report, found DCI Boston to have a lower standardized mortality
ratio and standardized Emergency Department visit rate as compared to other facilities in Massachusetts. The report commented that an SMR of 0.76 put the facility at the 85\textsuperscript{th} percentile of patient survival nationally. The same report showed that percentage of Medicare dialysis patients at DCI Boston hospitalized with septicemia during 2008-2011 was lower than Massachusetts and nationally.

In addition, among the 64 dialysis patients under age 70 treated at DCI Boston on December 31, 2011, 61\% were on the kidney transplant waitlist compared to 24\% nationally (p < 0.05). Finally, the facility’s water consistently meets the colony count and endotoxin standards of the Association for the Advancement of Medical Instrumentation for ultrapure dialysate fluid, exceeding the standards for standard dialysis fluid by an order of magnitude.

**Of the dialysis patients aged 18-54 years at DCI Boston, 48.3\% were either employed or attending school, compared to 27.3\% in Massachusetts facilities and 29.2\% in New England.**

**DCI Ball Square and DCI Walden Pond**

The CMS Dialysis Facility Report shows that both DCI Ball Square and DCI Walden Pond have standardized transplantation ratios that are statistically higher than expected: 1.73 at DCI Ball Square, and 2.73 at DCI Walden Pond. At both facilities, the proportion of patients younger than 70 listed for transplantation is statistically significantly higher than expected: 42\% at DCI Ball Square, and 59\% at DCI Walden Pond.
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</td>
</tr>
<tr>
<td></td>
<td></td>
<td>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</td>
</tr>
<tr>
<td></td>
<td></td>
<td>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</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Andrei Kouznetsov MD, Associate Medical Director</td>
</tr>
<tr>
<td></td>
<td></td>
<td>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 2012, which ran from October 2011 to September 2012, unless otherwise stated.

Table 4: Comparison of Outpatient Activity: Fiscal Year 2011 vs. 2012

<table>
<thead>
<tr>
<th>Institution and Location</th>
<th>Fiscal Year</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
<td>2012</td>
</tr>
<tr>
<td><strong>Tufts Medical Center</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kidney Blood Pressure Center</td>
<td>5,137</td>
<td>4,997</td>
</tr>
<tr>
<td>Pratt Medical Group Nephrology and Hypertension, Concord</td>
<td>1,602</td>
<td>1,670</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>14,513</td>
<td>14,751</td>
</tr>
<tr>
<td>Ball Square hemodialysis treatments</td>
<td>12,971</td>
<td>11,850</td>
</tr>
<tr>
<td>Ball Square home-dialysis patients*</td>
<td>41</td>
<td>50</td>
</tr>
<tr>
<td>Walden Pond hemodialysis treatments</td>
<td>7,373</td>
<td>6,152</td>
</tr>
</tbody>
</table>

*Total number of PD and home HD patients for calendar year 2012
Table 5: Comparison of Outpatient Dialysis Visits by Division Physicians at Affiliated Units: Fiscal Year 2011 vs. 2012

<table>
<thead>
<tr>
<th>Dialysis Unit</th>
<th>Number of Visits Fiscal Year 2011</th>
<th>Number of Visits Fiscal Year 2012</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>St. Elizabeth’s Medical Center</td>
<td>242</td>
<td>195</td>
<td>-24%</td>
</tr>
<tr>
<td>Lawrence Memorial</td>
<td>46</td>
<td>104</td>
<td>56%</td>
</tr>
<tr>
<td>Saugus</td>
<td>184</td>
<td>183</td>
<td>—</td>
</tr>
<tr>
<td>Stoneham</td>
<td>435</td>
<td>407</td>
<td>-7%</td>
</tr>
</tbody>
</table>

Table 6: Comparison of Outpatient Ambulatory Visits by Division Physicians at Affiliated Units: Fiscal Year 2011 vs. 2012

<table>
<thead>
<tr>
<th>Ambulatory Clinics</th>
<th>Number of Visits Fiscal Year 2011</th>
<th>Number of Visits Fiscal Year 2012</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lawrence Memorial</td>
<td>664</td>
<td>747</td>
<td>11%</td>
</tr>
<tr>
<td>Melrose Wakefield</td>
<td>701</td>
<td>34</td>
<td>—</td>
</tr>
<tr>
<td>St. Elizabeth’s Medical Center</td>
<td>133</td>
<td>132</td>
<td>—</td>
</tr>
<tr>
<td>Reading</td>
<td>NA</td>
<td>654</td>
<td>NA</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 UNOS 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 ultra filtration (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 2011 to September 2012, 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 2011 vs. 2012

<table>
<thead>
<tr>
<th>Institution and Location</th>
<th>Fiscal Year</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
<td>2012</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>9,994</td>
<td>8,828</td>
</tr>
<tr>
<td>Kidney transplants*</td>
<td>42</td>
<td>31</td>
</tr>
<tr>
<td>Days of CVVH and peritoneal dialysis treatments</td>
<td>685</td>
<td>143</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>579</td>
<td>214</td>
</tr>
<tr>
<td><strong>Emerson Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>1,233</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>404</td>
<td>337</td>
</tr>
<tr>
<td><strong>Lawrence Memorial Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>923</td>
<td>894</td>
</tr>
<tr>
<td><strong>Melrose Wakefield Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>2,138</td>
<td>1,962</td>
</tr>
<tr>
<td><strong>Whidden Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>211</td>
<td>129</td>
</tr>
<tr>
<td><strong>Winchester Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>NA</td>
<td>88</td>
</tr>
</tbody>
</table>

*Calendar year 2012
Table 8: Comparison of DCI Inpatient Hemodialysis Treatments: Fiscal Year 2011 vs. 2012

<table>
<thead>
<tr>
<th>Institution and Location</th>
<th>Fiscal Year</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
<td>2012</td>
</tr>
<tr>
<td>Tufts Medical Center: Inpatient hemodialysis treatments</td>
<td>2,508</td>
<td>2,617</td>
</tr>
<tr>
<td>Emerson Hospital: Inpatient hemodialysis treatments</td>
<td>203</td>
<td>197</td>
</tr>
</tbody>
</table>

**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.
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.

- In 2012, Division members along with their family and friends participated in both the annual NKF Boston Kidney Walk and the PKD Walk for a Cure.

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**Patient Care Awards and Honors**

- The **DCI Somerville Home Dialysis Program** received 3 awards at the 12th Annual PD Quality Initiative and Home Hemodialysis Meeting held in Nashville TN. The Award of Excellence for Increasing PD Utilization, the Award of Excellence for Improved Infection Rates, and 2nd place in the poster competition for their poster on using digital photographs to document exit site infections. This effort was a quality improvement project and collaboration between the home dialysis staff and nephrology fellows.

- Drs. **Gilbert, Levey, Meyer, Perrone** and **Sarnak** were recognized as “Top Doctors” by U.S. News & World Report. For the second year in a row, Dr. **Perrone** was further honored with the distinction of ranking among the top 1% of nation’s nephrologists.
DCI Boston was recognized for the 5th year in a row by the ESRD Network of New England for exceeding CMS goals for fistula placement in prevalent patients. DCI Boston had the second highest proportion of native vein arteriovenous fistulae in the state, 78.2%. Only 9 facilities in the state had fistula rates exceeding 70%. The national goal established by the Centers for Medicare and Medicaid Services is 66%.

As reported by the ESRD Network of New England in its Vocational Rehabilitation statistics for the Year 2011 and DCI Boston has 48.3% of its patients employed full- or part-time as compared to only 27.3% of dialysis patients in Massachusetts and 25.7% in all of New England! When you include the number of patients attending school full- or part-time, DCI Boston exceeds 50% (actual number 51.7% as compared to 31.5% in MA and 29.2% in New England). These impressive numbers are evidence of the great work the staff and Kathy Murray, MSW do in helping patients on dialysis lead productive lives!

DCI Boston received the 4-Diamond Award from the 5-Diamond Patient Safety Program. The goal of the program, administered through the ESRD Networks, is to assist dialysis facilities to improve both staff and patient awareness of specific patient safety areas, promote patient safety values, and build a culture of patient safety in every dialysis facility. Last year, DCI Boston had received the 3-Diamond Award.

DCI Boston received the 3 Star Award from DCI for meeting anemia, adequacy and fistula goals.

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 2013. 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).
In the December 2012 issue of Boston Magazine, Drs. Levey, Meyer, Perrone, and Sarnak were recognized as Boston’s best nephrologists. Dr. Perrone has received this honor 3 years in a row and Drs. Levey and Sarnak for the last 2 years!

Deb Basler, Transplant Coordinator, was the December Tufts Medical Center Saltonstall Employee Excellence Award recipient. She was nominated by her Transplant and Nephrology colleagues. The Saltonstall Award recognizes one 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 teamwork both in and out of their departments.

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.
### 2012 New Research Grant Awards

Table 10 lists the 10 new research grants received in 2012.

<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>Dr. Drew</td>
<td>ASN</td>
<td>Fellowship</td>
<td>FGF-23, ADMA-Cognitive Impairment in Hemodialysis Patients</td>
<td>2</td>
</tr>
<tr>
<td>Dr. Levey</td>
<td>NIH</td>
<td>R01</td>
<td>Estimating GFR from a Panel of Endogenous Filtration Markers (Panel eGFR)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NKF</td>
<td>Foundation Grant</td>
<td>GFR Decline as an Outcome for Clinical Trials in CKD</td>
<td>2</td>
</tr>
<tr>
<td>Dr. Miskulin</td>
<td>DCI</td>
<td>Clinical Trial</td>
<td>Assessing the accuracies of an autoregulatory adequacy measure derived from the pulse oximeter pulse waveform and of the Crit-line device to predict fluid removal induced hypotensive events during hemodialysis</td>
<td>1</td>
</tr>
<tr>
<td>NIH/NIDDK</td>
<td>Federal Subcontract</td>
<td></td>
<td>Blood Pressure in Dialysis</td>
<td></td>
</tr>
<tr>
<td>NIH</td>
<td>Federal Subcontract</td>
<td></td>
<td>Pragmatic Trials in Maintenance Hemodialysis</td>
<td></td>
</tr>
<tr>
<td>Dr. Perrone</td>
<td>Otsuka</td>
<td>Clinical Trial</td>
<td>A multi-center, longitudinal, observational study of patients with Autosomal Dominant Polycystic Kidney Disease (ADPKD) to establish the rate, characteristics and determinants of disease progression</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Otsuka</td>
<td>Clinical Trial</td>
<td>A phase 2, multicenter, randomized, placebo-controlled, double-blind, placebo-masked, parallel-group pilot trial to compare the efficacy, tolerability, and safety of Tolvaptan Modified-release and Immediate-release formulations in subjects with Autosomal Dominant Polycystic Kidney Disease</td>
<td>2</td>
</tr>
</tbody>
</table>
**Total Amount and Type of Research Grant Awards**

Figure 2 and Table 11 demonstrate the increasing numbers and dollars of research grant awards received by Division members.

![Bar chart showing research grant awards by year and type](chart.png)

**Figure 2**: Division of Nephrology Research Grant Awards 2008-2012, by type

- 2 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 2012

<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. Inker</td>
<td>Gilead</td>
<td>Industry</td>
<td>Evaluation of GFR Estimating Equations in HIV-Positive Patients</td>
<td>2008</td>
</tr>
<tr>
<td></td>
<td>NIH/NIDDK</td>
<td>Federal K23</td>
<td>Kidney Function and Aging</td>
<td>2008</td>
</tr>
<tr>
<td></td>
<td>NIH/NIDDK</td>
<td>Federal ARRA</td>
<td>Kidney Function and Aging</td>
<td>2009</td>
</tr>
<tr>
<td>Pharmalink</td>
<td>NIH/NIDDK</td>
<td>Subcontract</td>
<td>Proteinuria Reduction/Primary IGA Nephropathy Patients Epidemiology, Clinical Trials and Outcomes Research</td>
<td>2011</td>
</tr>
<tr>
<td>Dr. Levey</td>
<td>NIH/NIDDK</td>
<td>T32</td>
<td>Trial to Reduce Cardiovascular Events with Aranesp Therapy</td>
<td>1999</td>
</tr>
<tr>
<td>Amgen, Inc.</td>
<td>NIH/NIDDK</td>
<td>Industry</td>
<td>Kidney Function, Aortic Stiffness and Aging</td>
<td>2010</td>
</tr>
<tr>
<td>Amgen, Inc.</td>
<td>NIH/NIDDK</td>
<td>ARRA Subcontract</td>
<td>Kidney Function, Aortic Stiffness and Aging</td>
<td>2010</td>
</tr>
<tr>
<td>NIH/NIDDK</td>
<td>NIH/NIDDK</td>
<td>Subcontract</td>
<td>Aorta, Brain, and Kidney Structure and Function in the AGES-Reykjavik Study</td>
<td>2010</td>
</tr>
<tr>
<td>NIH/NIDDK</td>
<td>NIH/NIDDK</td>
<td>Subcontract</td>
<td>Proteomic Approach to CKD Biomarker Discovery and Validation</td>
<td>2010</td>
</tr>
<tr>
<td>NIH/NIDDK</td>
<td>NIH/NIDDK</td>
<td>Federal</td>
<td>Folic Acid for Vascular Outcomes Reduction in Transplantation</td>
<td>2010</td>
</tr>
<tr>
<td>Drs. Levey, Inker</td>
<td>NIH/NIDDK</td>
<td>R01</td>
<td>Markers for CKD in a multi-ethnic representative population with measured GFR</td>
<td>2011</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>
<td>2008</td>
</tr>
</tbody>
</table>

Table 11 is continued on the next page.
Table 11 continued: Ongoing Research Grant Awards Received Prior to 2012

<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. Miskulin</td>
<td>DCI</td>
<td>Foundation</td>
<td>Decision Support for Anemia Management in Hemodialysis Patients</td>
<td>2008</td>
</tr>
<tr>
<td></td>
<td>DCI</td>
<td>Foundation</td>
<td>Pilot Study for a Future Randomized Clinical Trial</td>
<td>2008</td>
</tr>
<tr>
<td></td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>Comparative Effective Studies of Strategies to Improve Patient Outcome In ESRD</td>
<td>2010</td>
</tr>
<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></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>2011</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>2011</td>
</tr>
<tr>
<td>Dr. Rao</td>
<td>DCI</td>
<td>Paul Teschan Research Award</td>
<td>Gastrointestinal Microbiota and Systemic Infection and Inflammation in Dialysis Patients</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>
</tbody>
</table>

Table 11 is continued on the next page.
### 2011 Publications

A total of 57 print publications and 13 epublications were authored and/or co-authored by Division members in 2012. An asterisk beside a name indicates a current trainee as an author.

### 2012 Print Publications


54. Williams AW, Dwyer AC, Eddy AA, Fink JC, Jaber BL, Linas SL, Michael B, O’Hare AM,


2012 Division Epublications


**2012 Research Awards and Honors**

- Dr. Levey received the 2012 David M. Hume Award from the National Kidney Foundation. The David M. Hume Memorial Award was created in memory of one of the National Kidney Foundation’s most distinguished members. The Hume Award is the highest honor given to a distinguished scientist-clinician in the field of kidney and urologic diseases. It is bestowed upon an individual who exemplifies the high ideals of scholarship and humanitarianism in an outstanding manner.

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

**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.

**Division Members teach at 5 schools including:**

Tufts University School of Medicine; Tufts University School of Dental Medicine; Friedman School of Nutrition Science and Policy; Sackler School of Graduate Biomedical Sciences; and The Francis Stern Nutrition Center at Tufts Medical Center

**Visiting Professors**

The Division had 8 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: 2012 Visiting Professors**

<table>
<thead>
<tr>
<th>Visiting Professor</th>
<th>Date</th>
<th>Research Conference Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kenar Jhaveri, MD</td>
<td>January 18, 2012</td>
<td>Innovative Teaching Tools in Nephrology</td>
</tr>
<tr>
<td>Adeera Levin, MD</td>
<td>March 8, 2012</td>
<td>Trends, Targets, Deficiencies and Excesses: Trials and Tribulations of Developing a Research Program to Improve Patient Outcomes</td>
</tr>
<tr>
<td></td>
<td>March 9, 2012</td>
<td>Global Burden of CKD: Challenges and Opportunities</td>
</tr>
<tr>
<td>Hiddo Lambers Heerspink, MD</td>
<td>April 19, 2012</td>
<td>Novel Treatment Strategies for Diabetic Nephropathy</td>
</tr>
<tr>
<td>Bharat Shah, MD</td>
<td>June 13, 2012</td>
<td>Evolution of Nephrology in India</td>
</tr>
<tr>
<td>Wei Chen, MD</td>
<td>June 28, 2012</td>
<td>The Study of Clinical Outcomes of IgAN with Isolated Hematuria in Chinese Patients</td>
</tr>
<tr>
<td>Meredith Foster, PhD</td>
<td>October 3, 2012</td>
<td></td>
</tr>
<tr>
<td>Navdeep Tangri</td>
<td>December 12, 2012</td>
<td>Risk Prevention in Chronic Kidney Disease</td>
</tr>
</tbody>
</table>

- For the second year, 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

- Dr. Gilbert created a nephrology interest group 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.

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

<table>
<thead>
<tr>
<th>School</th>
<th>Course</th>
<th>Personnel</th>
</tr>
</thead>
<tbody>
<tr>
<td>TUSM</td>
<td>Renal Pathophysiology Course</td>
<td>Dr. Gilbert, Course Director,</td>
</tr>
<tr>
<td></td>
<td>Physical Diagnosis Course</td>
<td>Nephrology fellows and several members of the</td>
</tr>
<tr>
<td></td>
<td></td>
<td>physician staff</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</td>
<td>Dr. Gilbert</td>
</tr>
<tr>
<td></td>
<td>Internal Medicine Clerkship</td>
<td></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</td>
</tr>
<tr>
<td></td>
<td>Evidence Based Medicine</td>
<td>Dr. Uhlig, Consultant</td>
</tr>
<tr>
<td></td>
<td>Selective Program Mentor</td>
<td>Dr. Weiner</td>
</tr>
<tr>
<td></td>
<td>Lecture in Pathobiology</td>
<td>Dr. Perrone</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tufts University School of Dental Medicine</td>
<td>Lectures on topics related to hypertension</td>
<td>Drs. Meyer and Weiner</td>
</tr>
<tr>
<td></td>
<td>and nephrology</td>
<td></td>
</tr>
<tr>
<td>Friedman School of Nutrition Science and</td>
<td>Lectures on kidney disease, hypertension</td>
<td>Drs. Balakrishnan, Meyer, and Weiner</td>
</tr>
<tr>
<td>Policy</td>
<td>and nephrology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nutritional Biochemistry and Physiology</td>
<td>Dr. Gilbert, Nephrology Section Leader</td>
</tr>
<tr>
<td>Sackler School of Graduate</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>The Francis Stern Nutrition Center at Tufts</td>
<td>4-week experiential rotation in DCI</td>
<td>Poonhar Poon, RD</td>
</tr>
<tr>
<td>Medical Center</td>
<td>Boston dialysis unit</td>
<td></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 15 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, 148 applications to the clinical fellowship program were reviewed for 1 open position available in 2013. 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>Ibraheem Abbas, MD</td>
<td>2010-2012</td>
<td>Nephrologist Eau Claire, WI</td>
</tr>
<tr>
<td>Renu Bansal, MD</td>
<td>2010-2012</td>
<td>Nephrologist Cedar Falls, IA</td>
</tr>
</tbody>
</table>
The Division offers training in clinical research. Fellows can elect to work with a 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;

---

**Table 16: Current Clinical Fellows**

<table>
<thead>
<tr>
<th>Name</th>
<th>Training Period</th>
<th>Previous Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Osama Amro, MD</td>
<td>2012-2015</td>
<td>Resident&lt;br&gt;St Vincent Charity Medical Center&lt;br&gt;Cleveland, OH</td>
</tr>
<tr>
<td>Keith Bartolomei, MD</td>
<td>2011-2013</td>
<td>Chief Resident&lt;br&gt;Tufts Medical Center&lt;br&gt;Boston MA</td>
</tr>
<tr>
<td>Pranav Garimella, MD</td>
<td>2012-2015</td>
<td>Resident&lt;br&gt;Cook County Hospital&lt;br&gt;Chicago, IL</td>
</tr>
<tr>
<td>Malar Ramasamy, MD</td>
<td>2012-2014</td>
<td>Internist&lt;br&gt;Carney Hospital&lt;br&gt;Boston, MA</td>
</tr>
<tr>
<td>Roshan Sher Ali, MD</td>
<td>2012-2014</td>
<td>Hospitalist&lt;br&gt;Northwestern Memorial Hospital&lt;br&gt;Evanston, IL</td>
</tr>
</tbody>
</table>
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 5 current research fellows in training. We received 64 applications in 2012 for 2 open research fellowship position in 2013. 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>Smita Padala, MD, MS</td>
<td>2009-2012</td>
<td>Nephrologist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Crystal River FL</td>
</tr>
<tr>
<td>Gautham Viswanathan, MD, MS</td>
<td>2009-2012</td>
<td>Nephrologist Tufts Medical Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>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</td>
<td>Andrew S. Levey, MD</td>
<td>NIH T32</td>
</tr>
<tr>
<td></td>
<td>Providence RI</td>
<td></td>
<td></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>
<tr>
<td>Katherine Michener</td>
<td>Resident Tufts Medical Center Boston MA</td>
<td>Andrew S. Levey, MD</td>
<td>NIH T32</td>
</tr>
<tr>
<td>Seth Wright, MD</td>
<td>Nephrology Fellow Beth-Israel Deaconess</td>
<td>Daniel E. Weiner, MD, MS</td>
<td>NIH T32</td>
</tr>
<tr>
<td></td>
<td>Medical Center</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Boston MA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Continuing Medical Education

2012 Continuing Medical Education Initiatives

- In 2011, 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. Activities 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.

- The AJKD Editorial Board received a renewed 5-year contract to remain at Tufts Medical Center.

Continuing Medical Education Initiatives

Table 19 lists the continuing education presentations given by Division faculty in 2012. The table excludes presentations given within the Division, as all faculty are expected to present one Journal Club and one Research Conference annually.

Table 19: 2012 Local, National, and International Presentations by Division Faculty

<table>
<thead>
<tr>
<th>LOCAL/REGIONAL PRESENTATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Inker</td>
</tr>
<tr>
<td>Use of eGFR in Prescribing Drugs with Renal Elimination.</td>
</tr>
<tr>
<td>Tufts Medical Center</td>
</tr>
<tr>
<td>Boston MA</td>
</tr>
<tr>
<td>Estimating GFR and Predicting Progession of CKD</td>
</tr>
<tr>
<td>University of Massachusetts</td>
</tr>
<tr>
<td>Boston MA</td>
</tr>
<tr>
<td>Dr. Jaber</td>
</tr>
<tr>
<td>Intradialytic Complications: Case Studies</td>
</tr>
<tr>
<td>The Brigham Renal Board Review Course</td>
</tr>
<tr>
<td>Boston, MA</td>
</tr>
<tr>
<td>Dr. Kassirer</td>
</tr>
<tr>
<td>Victor McKusick Lecturer</td>
</tr>
<tr>
<td>Maine Medical Center</td>
</tr>
<tr>
<td>Portland ME</td>
</tr>
<tr>
<td>Dr. Levey</td>
</tr>
<tr>
<td>Organ Donation—Personal Experience with 3-way Kidney Exchange</td>
</tr>
<tr>
<td>Kidney Transplant Dialysis Association Meeting</td>
</tr>
<tr>
<td>Burlington MA</td>
</tr>
</tbody>
</table>

Table 19 is continued on the next page.
Table 19 Continued: 2012 Local, National, and International Presentations by Division Faculty

Dr. Levey
- GFR Estimation
- MGH/BWH Renal Rounds
- Boston MA

Dr. Meyer
- Patient Satisfaction, Experience of Care and QAPI.
- ESRD Network of New England Annual Meeting
- Sturbridge MA
- Advanced Chronic Kidney Disease and Dialysis in the Very Elderly
- ESRD Network of New England 6th Annual Technicians Meeting
- Portsmouth NH

Dr. Perrone
- The PKD Outcomes Consortium: Efforts to Establish TKV as a Regulatory Endpoint for Intervention Trials in ADPKD.
- Polycystic Kidney Disease Symposium 2012
- Boston MA
- Polycystic Kidney Disease
- The Brigham Renal Board Review Course
- Boston MA
- Translation from Bench-to-Bedside: Research in PKD
- Sackler School of Graduate Biomedical Sciences
- Tufts University
- Boston MA
- Renal Rounds
- Brigham and Women's Hospital, Harvard Medical School
- Boston MA

Dr. Sarnak
- Hypertension and Its Management in CKD
- Tufts Medical Center Medical Grand Rounds
- Boston MA
- Cardiovascular Disease and Kidney Disease
- Lahey Clinic Medical Grand Rounds
- Burlington MA
- Cardiovascular Risk Factors in CKD
- MGH/Brigham Renal Rounds
- Boston MA
- Cardiorenal Syndrome
- National Kidney Foundation of New England
- Boston MA
- Hypertension Management in Chronic Kidney Disease and Dialysis
- Nephrology for Practicing Clinicians—A Current Approach
- Joslin Diabetes Center
- Boston MA

Table 19 is continued on the next page.
Table 19 Continued: 2012 Local, National, and International Presentations by Division Faculty

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Presentation</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Sarnak</td>
<td>Management of the Cardiovascular Complications of CKD.</td>
<td>Massachusetts General Hospital Nephrology Review Course, Boston MA</td>
</tr>
<tr>
<td></td>
<td>Meet the Professor Luncheon- Challenging Renal Cases for the Boards</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The Brigham Renal Board Review Course</td>
<td></td>
</tr>
<tr>
<td>Dr. Sceppa</td>
<td>Collaborating for Impact: Healthy Kids, Healthy Futures—a Multi-level Early Childhood Obesity Prevention Initiative</td>
<td>Northeastern University Roundtable on Health, Program on Health Policy &amp; Law, Boston MA</td>
</tr>
<tr>
<td></td>
<td>Healthy Kids, Healthy Futures—a Multi-level Early Childhood Obesity Prevention Initiative</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Community Health Grand Rounds, Children’s Hospital Boston</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Health Promoting Interventions Bridging Research and Practice</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Northeastern University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Healthy Lifestyle—A Lifetime Commitment</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Northeastern University ADVANCE Institutional Transformation Site</td>
<td></td>
</tr>
<tr>
<td>Dr. Uhlig</td>
<td>Strength and challenges of clinical practice guidelines</td>
<td>Tufts Medical Center, Boston MA</td>
</tr>
<tr>
<td></td>
<td>Rating the evidence – What constitutes ‘quality’ evidence?</td>
<td>EMD Serono, Rockland MA</td>
</tr>
<tr>
<td></td>
<td>Lecture series on Comparative Effectiveness</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lecture series on Comparative Effectiveness</td>
<td></td>
</tr>
<tr>
<td>Dr. Weiner</td>
<td>Renal Artery Stenosis</td>
<td>Metrowest Medical Center Grand Rounds, Framingham MA</td>
</tr>
</tbody>
</table>

Table 19 is continued on the next page.
### National Presentations

<table>
<thead>
<tr>
<th>Name</th>
<th>Presentation</th>
<th>Event/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Inker</td>
<td>Proposed Changes to the Classification System for CKD</td>
<td>National Kidney Foundation Spring Clinical Meeting Washington DC</td>
</tr>
<tr>
<td>Dr. Jaber</td>
<td>Barriers to New Therapies in Acute Kidney Injury</td>
<td>American Society of Nephrology, Kidney Week 2012 San Diego CA</td>
</tr>
<tr>
<td>Dr. Levey</td>
<td>Invited member of CKid and CRIC Studies Expert Panel</td>
<td>DKUHD/NIDDK Crystal City, VA</td>
</tr>
<tr>
<td>Dr. Madias</td>
<td>Early Program on Diagnosis and Management of Disorders of Acid-Base, Fluid and Electrolyte Balance</td>
<td>American Society of Nephrology, Kidney Week 2012 San Diego CA</td>
</tr>
<tr>
<td>Dr. Meyer</td>
<td>Patient Satisfaction, Experience of Care and QAPI—Dialysis Facility Management Course</td>
<td>National Kidney Foundation Spring Clinical Meeting Washington DC</td>
</tr>
<tr>
<td>Dr. Richardson</td>
<td>Patient Experience of Care in Peritoneal Dialysis.</td>
<td>32nd Annual Dialysis Conference San Antonio TX</td>
</tr>
<tr>
<td>Dr. Sarnak</td>
<td>Traditional Cardiovascular Risk Factors in ESRD - Why Bother?</td>
<td>American Society of Nephrology, Kidney Week 2012 San Diego, CA</td>
</tr>
<tr>
<td>Dr. Sceppa</td>
<td>Sarcopenia Cutpoints in Late Middle Aged, Impaired Minority Adults</td>
<td>Sarcopenia Consortium Consensus Conference Foundation for the NIH National Institute of Aging and Food and Drug Administration Baltimore MD</td>
</tr>
<tr>
<td>Dr. Uhlig</td>
<td>Blood Pressure Targets: Guidelines versus Clinical Trials</td>
<td>American Society of Nephrology, Kidney Week 2012 San Diego CA</td>
</tr>
<tr>
<td></td>
<td>Evidence Forum on FISH or other ISH testing of Uterine Cervical Cells to Predict Precancer and Cancer</td>
<td>Presented to OCSQ, Centers for Medicare and Medicaid Services Baltimore MD</td>
</tr>
</tbody>
</table>

Table 19 is continued on the next page.
Table 19 Continued: 2012 Local, National, and International Presentations by Division Faculty

Dr. Weiner
How to Publish Comparative Effectiveness Research
American Society of Nephrology, Kidney Week 2012
San Diego CA

Prevalence and Significance of Cognitive Impairment in CKD and Dialysis Patients
American Society of Nephrology, Kidney Week 2012
San Diego CA

CVD in CKD: Is the Horse Out of the Barn?
American Society of Nephrology, Kidney Week 2012
San Diego CA

QIP: Missing the Real Opportunities?
American Society of Nephrology, Kidney Week 2012
San Diego CA

National Supplement Use and Mortality in Hemodialysis
American Society of Nephrology, Kidney Week 2012
San Diego CA

Systolic Blood Pressure and Risk of Cardiovascular Disease and Mortality: the FAVORIT Trial
American Society of Nephrology, Kidney Week 2012
San Diego CA

Debate: Initiation of Dialysis after the IDEAL Study
14th International Conference on Dialysis, Advances in CKD 2012
Palm Harbor FL

INTERNATIONAL PRESENTATIONS

Dr. Inker
Estimating GFR: Measured GFR to Outcomes
University of Toronto
Toronto Ontario

Dr. Levey
Definition and Staging of CKD: A Controversies Conference Reaches a Consensus GFR Estimation: Principles and Practice
Chinese Society of Nephrology/Beijing
Beijing, China

Reporting Clinical Trials and Observational Studies: How We Evaluate Manuscripts at the AJKD-Northwest Nephrology Forum
Xi’an, China

Definition and Staging of CKD: A Controversies Conference Reaches a Consensus GFR Estimation: Principles and Practice
Ruijin Hospital
Shanghai, China

Table 19 is continued on the next page.
Table 19 Continued: 2012 Local, National, and International Presentations by Division Faculty

| Dr. Levey | Reporting cClinical Trials and Observational Studies: How We Evaluate Manuscripts at the AJKD— Discussion with Young Physicians/Nephrologists  
Work Forum/Symposium  
Ruijin Hospital  
Shanghai, China  
Clinical and Basic Research Ongoing in Nephrology  
Sun Yat-sen University Workshop  
Guangzhou, China  
CKD Update 2012: A Controversies Conference Reaches a Consensus  
Instituto Mexicano de Investigaciones Nefrologicas (IMIN) Congress  
Guadalajara, Mexico  
GFR Estimation: Principles and Practice  
Instituto Mexicano de Investigaciones Nefrologicas (IMIN) Congress  
Guadalajara, Mexico |
|------------------|--------------------------------------------------------------------------------------------------|
| Dr. Madias | Invited Lecturer  
17th Panhellenic Congress of Nephrology  
Kyllini, Greece |
| Dr. Rao | Invited Lecturer/Visiting Professor  
Christian Medical College  
Vellore, India |
| Dr. Sarnak | Hypertension and CKD  
IMIN Instituto Mexicano de Investigaciones Nefrológica  
Mexico City, Mexico  
Cardiovascular Disease and CKD  
IMIN Instituto Mexicano de Investigaciones Nefrológica  
Mexico City, Mexico.  
CKD/ESRD Epidemiology  
Visiting Professor, University of Manitoba  
Winnipeg, Canada  
Future Perspectives: Novel Approaches to Hypertension Management in CKD  
XXVI Congress of the Brazilian Society of Nephrology  
Sao Paulo, Brazil  
What is the Evidence for Controlling Salt Intake in CKD?  
XXVI Congress of the Brazilian Society of Nephrology  
Sao Paulo, Brazil |
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; in January 2012, the Tufts-based team began its second five-year term as the site of the editorial office.

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 hospitals, as well as 100+ editorial board members worldwide, including Dr. Harrington, Dean Emeritus of the Tufts School of Medicine.

The editorial office is staffed by Nijsje Dorman, (Managing Editor), Elizabeth Bury (Associate Managing Editor), Emily Fay (Editorial Assistant), and Barbara Saper (Editorial Office Associate). 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 1,550 submissions in the 2012 operating year, with 14% of original research articles accepted for publication. According to the 2012 Journal Citation Reports, published by Thomson Reuters, the 2011 impact factor for AJKD reached 5.434, the fourth consecutive year of increase.

A key development of the 2012 operating year was the launch of a blog to complement the mission of the journal by providing a timely, engaging forum related to AJKD content. Blog posts comprise author interviews, brief commentaries, and interactive educational material. Within the first year of launch, blog page views more than doubled, and readership continues to increase.

The 2012 operating year also saw publication of an update to the clinical practice guidelines promulgated by KDOQI (the NKF’s Kidney Disease Outcomes Quality Initiative). This expert guidance, which published as a special section in the November 2012 issue of the journal, provides best-practice recommendations for practitioners caring for patients with diabetes and CKD.
Finally, AJKD continues to be a strong advocate of World Kidney Day and associated disease awareness activities. The March 2012 issue contained an editorial from the World Kidney Day initiative highlighting the promise and challenges of kidney transplantation as a treatment for end-stage renal disease. In a supplement to the March issue, the editors published articles arising from the 11th annual report of the NKF’s Kidney Early Evaluation Program (KEEP), an initiative aimed at screening individuals at risk for CKD.

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. Jaber is a member of the Nephron Clinical Practice editorial board.

- 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*.


- In 2012, Dr. Richardson completed her service as the Editorial Board Chair for the 7th edition of the *Pharmacotherapy Self-assessment Program* (PSAP) series. Dr. Richardson served on three PSAP Editorial Boards.

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

- Dr. Weiner is the Editor-in-Chief of *Primer on Kidney Diseases 6th Edition*. Dr. Gilbert is also an editor.
2012 Education Awards and Honors

- In 2012, the Tufts Medical Center Housestaff rated the Renal Ward Service as the best inpatient educational experience and the Kidney and Blood Pressure Center outpatient rotation as their second best overall educational experience.

- Dr. Gilbert received an Excellence in Teaching Award from the TUSM Senior Class. The award was presented at the Senior Dinner on May 16th at the Boston Marriott Copley Hotel. This is the 9th year in a row that Dr. Gilbert has received this award from the Senior class.

- Dr. Levey was notified that he will receive the Distinguished Alumni Award from the Alumni Association at Boston University School of Medicine. This award is given in recognition of distinguished clinical, teaching and research careers of alumni or in recognition of their contribution to the betterment of the lives of others.

Public Policy

2012 Policy Initiatives

- Drs. Levey, Perrone and Inker presented during the Workshop on GFR Decline as an Endpoint for Clinical Trials in CKD, co-sponsored by the National Kidney Foundation and the U.S. Food and Drug Administration and co-chaired by Dr. Levey. Dr. Inker led an analysis team responsible for the analysis of clinical trials and Dr. Perrone led a breakout group. The purpose of the Workshop was to examine data supporting new definitions of GFR decline as endpoints in CKD trials.

“While the results will take some time to explore and understand fully, they will provide a firm basis for establishing reasonable end points for studies in chronic kidney disease in the near term. More importantly, the cooperation among regulators, NKF, and academic researchers and the analytical methods developed here should serve as a model to address similar issues in the future,”

Norman Stockbridge, MD, PhD
Division Director, Cardiovascular and Renal Products
FDA
Dr. Levey was an invited member of CKid and CRIC Studies Expert Panel sponsored by the Division of Kidney, Urologic, and Hematologic Diseases within NIDDK held in Crystal City, VA.

Dr. Weiner was a panel member in two recent ESRD panels to help formulate quality metrics for the US Medicare ESRD program, including the Clinical Technical Expert Panel (CTEP) on Dialysis Access Related Infections in 2010 and the CTEP on Dialysis Re-hospitalizations in 2012. Dr. Weiner has also worked with the American Society of Nephrology (ASN) to formulate their position and responses to federal programs affecting CMS' dialysis policies, serving as a member of the ASN’s Accountable Care Organization Task Force in 2011-2012, the ASN Quality & Safety Work Group in 2012, and the ASN Quality Metrics Task Force beginning in 2012.

**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.

**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 development of decision support tools for treatment of chronic kidney disease mineral bone disorder in end-stage renal disease, 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. 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.

“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

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

Dr. Perrone
Mr. and Mrs. Robert Cohen
Dr. Josef Coresh and Dr. Michelle J. Hindin
Mr. and Mrs. Domenic Esposito
Mr. Morley Faber and Dr. Adeera Levin
Dr. and Mrs. Irv Feferman
Ms. Elizabeth J. Fitzgerald
Dr. Don Gaddy
Dr. Lisa Gilbert and Dr. Scott Gilbert
Mr. and Mrs. Stephen Goldman
Mr. and Mrs. Ronnie Goldstein
Mr. and Mrs. Campe Goodman
Mr. and Mrs. Robert J. Grantham
Dr. and Mrs. Bernard Grodzinski
Ms. Mimi Hollenberg
Mr. David C. Jacobson and Ms. Rochelle K. Greene
Mr. and Mrs. Matthew J. Kadnar
Mr and Mrs William Kassel
Mr. and Mrs. Josef Kastner
Ms. Ruth L. Kastner
Dr. Jessica Kirshner and Mr. Dan Sommers
Mr. and Mrs. Raymond Koskie
Ms. Diane A. Lapon
Mr. Ivan Lehon and Ms. Tal Kastner
Dr. Andrew S. Levey and Dr. Roberta Falke
Dr. Julie Maggi
Dr. and Mrs. Herb Marcus
Mr. Ken Miller and Dr. Debra Miller
Ms. Alexandra C. Moller
Mr. and Mrs. Michael Offner
Ms. Alison Osattin
Mr. and Mrs. Kirk A. Ott
Ms. Ronna J. Perlmutter
Dr. and Mrs. Alan D. Persky
Mr. and Mrs. M. Laurence Popofsky
Mr. and Mrs. Morton Prager
Mrs. Nancy Prussky and Mr. Ronald Steinberg
Mr. and Mrs. Michael Rabieh
Dr. and Mrs. Anthoney Rebuck
Ms. Guinnevere Roberts and Mr. Timothy D. Male
Mr. and Mrs. James Sallinger
Ms. Maxine Savitz
Ms. Kerri Scharr and Dr. Daniel Weiner
Mr. Roger A. Seltzer

“I can’t imagine not having it! In the past few months alone I have used it for deserving people who would not qualify for any other social programs or assistance. They just needed a little help.”

Deb Basler
Transplant Coordinator
Mr. Jamie Shields and Ms. Shawna Colvin
Mr. and Mrs. Murray A. Silver
Mr. and Mrs. Hy Spector
Ms. Ann M. Spruill
Dr. and Mrs. Howard Stevens
Dr. Ali Taradash and Mr. Jeremy Dacks
Dr. Joshua Tepper
Dr. and Mrs. George Theodosiou
Dr. Kathryn Tinckam and Mr. Takashi Yamahito
Ms. Donna Valikoff
Mr. and Mrs. George Weinberger
Dr. and Mrs. Kenneth Wener
Rabbi Eric and Amy Yoffie
Dr. and Mrs. Harvey Zimmerman

Corporate/Institutional Donors
- Grantham, Mayo, Van Otterloo & Co., LLC (Matching gift)
- The Ira Gluskin & Maxine Granovsky Gluskin Charitable Foundation

2012 Inker Family Fund Updates

We are grateful for the following donations to the Inker Family Fund in 2012:

Individual Donors
- Ms. Jennifer Inker and Mr. Timothy Pynchon
- Dr. Lesley Inker and Mr. Benjamin L. Inker
- Mr. Jeremy Lapon and Ms. Denise Lapon
- Mr. and Mrs. Scott M. Lopez
- Dr. Klemens Meyer and Dr. Laura Perlo
- Mr. and Mrs. Hyman Spector
- Ms. Donna Valikoff
- Mr. and Mrs. George Weinberger

Corporate/Institutional Donors
- The Ira Gluskin & Maxine Granovsky Gluskin Charitable Foundation

- A number of Division members have donated to the Inker Fund via Tufts Medical Center’s I Care Campaign.

“This fund has been such a blessing to our dialysis unit. It has really made a difference in the lives for so many of our patients who are struggling. They are indeed very thankful.”

Kathy Murray, MSW
Dialysis Social Worker
The following are examples of basic necessities that have been provided by the Inker Family Fund in 2012:

- 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 2012:

- Dental work for transplant patients who have no insurance.
- Support for a donor who was recently laid off and still wanted to donate (thus delaying her ability to look for a job).
- A plane ticket for a person donating who could not otherwise afford to come.
- Paying an insurance premium for a newly transplanted patient so they could keep their medical insurance.
- Student loan payment.

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
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.
2012 Friedman Fund Updates

- In 2012, the Friedman Foundation held its Fifth Annual Gerald J. Friedman Fellows Symposium on Nutrition, Diabetes and Human Health at the Gerald J. Friedman Diabetes Institute at Beth Israel Medical Center, NYC, in honor of this fifth anniversary. Several Friedman School faculty and students were took part in the event, including Robin Kanarek, Dean ad interim of the Friedman School, and six of the school’s Gerald J. Friedman Fellows.

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. 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

**2012 Schwartz Fund Updates**

In 2012, we were very appreciative to receive new gifts from the following individuals:

- Dr. and Mrs. Howard B. Garfinkel
- Dr. Lesley Inker and Mr. Benjamin L. Inker
- Mr. and Mrs. Mathew King

**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. 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
- Dr. and Mrs. Howard B. Garfinkel
- Dr. and Mrs. James A. Strom

**Corporate/Institutional Donors**

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

Visiting Professors:

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

**2nd Annual John T. Harrington Grand Rounds—2008**
Sharon Moe, MD, Visiting Professor
University of Indiana
*Chronic Kidney Disease: Looking for Bone in All the Wrong Places*
3rd Annual John T. Harrington Grand Rounds—2009
Eberhard Ritz, MD, Visiting Professor
Department of Internal Medicine Ruperto Carola University of Heidelberg, Germany
The World Kidney Day: The Kidney and Hypertension

4th Annual John T. Harrington Grand Rounds—2010
Bertram Kasiske, MD, Visiting Professor
Professor of Medicine. Head of Transplant Nephrology at the University of Minnesota, Director of the Renal Division at Hennepin County Medical Center
Guidelines for the Management of Kidney Transplant Patients

5th Annual John T. Harrington Grand Rounds—2011
Jonathan Himmelfarb, MD, Visiting Professor
Professor of Medicine, Joseph W. Eschbach Endowed Chair for Kidney Research from the University of Washington Division of Nephrology, Seattle WA
Kidney Disease as a Public Health Problem: Problems, Progress, and Prospects

2012 Harrington Fund Updates

- In 2012, we were very appreciative to receive the following new gifts:
  - Mr. and Mrs. Garnett D. Bailey
  - Mr. William Belben
  - Mrs. Marie Gee
  - Dr. and Mrs. Sol Gittleman
  - Dr. Susan H. Hou
  - Ms. Marie Marchesseault
  - Ms. Tara Mooar
  - Mr. and Mrs. John L. Newton
  - Mr. Norrick Peart
  - Mr. Donald Roaf
  - Mr. and Mrs. Manuel Sampedro
  - Mr. and Mrs. Oden K. Semones
  - Dr. and Mrs. James A. Strom
  - Mr. and Mrs. Francis M. Tracy
  - Ms. Pamela J. Yee and Mr. Yosh Ito

- Adeera Levin, MD was the visiting professor for the 6th Annual John T. Harrington Grand Rounds held in March. She is a staff nephrologist at St. Paul’s Hospital and Professor at the University of British Columbia in Vancouver, British Columbia. She spoke on the Global Burden of CKD: Challenges and Opportunities.
Planning for the 7th Annual John T. Harrington Grand Rounds in 2013 is taking place. Josef Coresh, MD PhD, the Inaugural George W. Comstock Professor in Epidemiology and Director, Cardiovascular Epidemiology & Comstock Center at Johns Hopkins University in Baltimore MD will be the invited speaker.

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

2012 Diddy Seybolt Fund Updates

- In 2012, 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 programs including the ESRD Network of New England 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 or mail it to:

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

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] or mailed to:

Tufts Medical Center Trust  
800 Washington Street  
Box 231  
Boston, MA 02111  
617-636-7656 (phone)  
617-636-7659 (fax)