

CURRICULUM VITAE

Updated Sep 2023

VIKAS R. DHARNIDHARKA, M.D., M.P.H

Alexis F. Hartmann Sr., MD Endowed Professor of Pediatrics
Vice Chair for Clinical Investigation, Department of Pediatrics
Professor and Chief, Division of Pediatric Nephrology, Hypertension and Pheresis
Washington University in St Louis School of Medicine & St. Louis Children's Hospital

Work Address:



Home Address:



Education:

- 6/1980-5/1982: Undergraduate: Higher Secondary Certificate, Science Stream
St Xavier's College, Maharashtra State Board of Post Secondary
Education
Mahapalika Marg, Bombay 400 001 India.
- 6/1982-1/1988: Graduate: Bachelor of Medicine and Surgery (MBBS),
Topiwala National Medical College, (Affiliated with Bombay University),
Dr A.L. Nair Road, Bombay 400 008 India.
- 2/1988-7/1991: Post graduate: Doctor of Medicine (MD) in Pediatrics,
Topiwala National Medical College, Bombay University,
Dr A L Nair Road, Bombay 400 008 India.

- 7/2005-5/2007 Advanced Postgraduate Program in Clinical Investigation (APPCI), University of Florida (through NIH K-30 grant funded by the Clinical Research Curriculum Award K30RR022258 from the National Center for Research Resources)
- 10/2005-5/2007 Masters in Public Health (MPH), University of Florida College of Public Health, funded through APPCI program above
Concentration: Biostatistics

Post Doctoral Training:

- Internship: 1 year rotating internship in combined hospitals attached to
2/1987-1/1988 Topiwala National Medical College & Bombay University.
- Residencies: Department of Pediatrics, BYL Nair Hospital
2/1988-7/1991 & Topiwala National Medical College
 (Bombay University), Dr A L Nair Rd, Bombay 400 008 India.
 Department Head: Pravina W. Kandoth, M.D.
- 8/1993-7/1995 Department of Pediatrics, Children's Hospital of Michigan & Wayne State University, 3901 Beaubien Blvd, Detroit MI 48201 U.S.A.
Chairman: Alan B. Gruskin, M.D.
- Fellowship: Pediatric Nephrology, Division of Nephrology, Department of Pediatrics
8/1995-7/1998 Children's Hospital and Harvard Medical School,
 300 Longwood Avenue, Boston, MA 02115 U.S.A.
 Division and Fellowship Director: William E. Harmon, M.D.
 Laboratory Mentor: David M. Briscoe, M.D.

Licensure:

- 1988- Maharashtra State Medical Council, India, No. 59576 (regular).
- 1993-1995 State of Michigan, No. 4301062445 (training)
- 1995-03 Board of Registration, Commonwealth of Massachusetts, U.S.A., No. 82038 (regular)
- 1999-2013 Board of Medicine, State of Florida, Medical License # ME 0078866 (regular)

2012-pres	Missouri State Board of Registration for the Healing Arts, No. 2012018715 (regular)
2014-pres	Illinois Department of Financial and Professional Regulation # 036135183

Board Certifications:

1990	Diploma in Child Health (DCH), College of Physicians and Surgeons, Bombay, India.
1991	Diplomate, National Board of Examinations in Pediatrics, New Delhi, India.
1991	Fellow of College of Physicians and Surgeons (Pediatrics), Bombay, India.
1/1993	FMGEMS, Parts 1 and 2, ECFMG, U.S.A.
12/1993	Federal Licensing Examination (FLEX) Parts 1 and 2, USA.
1993-2003	Pediatric Advanced Life Support (PALS), American Heart Association
1993-1999	Neonatal Advanced Life Support (NALS), American Heart Association
1995-2002	Diplomate, American Board of Pediatrics, Chapel Hill, NC.
1999-2006	Diplomate, Sub-Board in Pediatric Nephrology, American Board of Pediatrics, Chapel Hill, NC.
2003-2009	Recertification in General Pediatrics, American Board of Pediatrics, Chapel Hill, NC.
2005	Graduate Record Examination, Educational Testing Service
2006-2016	Recertification in Pediatric Nephrology, American Board of Pediatrics, Chapel Hill, NC.
2016-	Recertification in Pediatric Nephrology, American Board of Pediatrics, Chapel Hill, NC.

Academic Appointments

12/1991-12/1992	Faculty Member (Lecturer), Department of Pediatrics, T N Medical
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College, Bombay University, Bombay, India.

8/1995-7/1998	Department of Pediatrics, Harvard Medical School, Boston, MA.
2//1/1999-6/2006	Assistant Professor, Department of Pediatrics, University of Florida College of Medicine, Gainesville, FL.
7/2004-7/2011	Pediatric Nephrology Fellowship Program Director, Department of Pediatrics, University of Florida College of Medicine, Gainesville, FL.
7/2006-4/2012	Associate Professor, Department of Pediatrics, University of Florida College of Medicine, Gainesville, FL.
6/2006	Award of Tenure by Board of Trustees, University of Florida
6/2007-3/2012	Chief, Division of Pediatric Nephrology, University of Florida
8/2008-	Associate Director of Education, in charge of all Pediatric Fellowship Programs, Department of Pediatrics, University of Florida College of Medicine
4/2010	Key faculty status, T-32 fellowship training grant, Division of Nephrology, Department of Medicine, University of Florida
6/2010	Appointment to Graduate Faculty Status, through Department of Clinical Investigation, University of Florida Graduate School
4/19/2012-	Associate Professor, Department of Pediatrics, Washington University in St Louis School of Medicine, St. Louis, MO
7/1/2012-	Director, Division of Pediatric Nephrology, Department of Pediatrics, Washington University in St Louis School of Medicine, St. Louis, MO
10/5/2012	Award of Tenure by Board of Trustees, Washington University in St Louis
7/1/2015-	Professor , Department of Pediatrics, Washington University in St Louis School of Medicine, St. Louis, MO
8/1/2020-	Vice Chair for Clinical Investigation , Department of Pediatrics, Washington University in St Louis
9/2022-	Associate Director, Washington University Pediatric Center of Excellence

in Nephrology

11/2022- Alexis F. Hartmann Sr, MD **Endowed** Professorship in Pediatrics,
Washington University School of Medicine

Hospital Appointments:

12/1991-12/1992	Staff Physician, Department of Pediatrics, BYL Nair Hospital, Bombay, India.
8/1995-7/1998	Clinical Fellow, Division of Nephrology, Children's Hospital, Boston, MA.
2/1999-4/2012	Staff Physician, Division of Pediatric Nephrology, Shands Children's Hospital, Gainesville, FL.
10/2006-4/2008	Staff Physician, Division of Pediatric Nephrology, Shands Children's Hospital at Alachua General Hospital, Gainesville, FL.
1/2007-4/2012	Medical Director, Pediatric Kidney Transplant Clinic, Division of Pediatric Nephrology
7/2012-	Staff Physician, Division of Pediatric Nephrology, St. Louis Children's Hospital, St. Louis MO
7/2012-12/22	Co-Medical Director, Pediatric Kidney Transplant Program, St. Louis Children's Hospital
7/2012-6/2015	Staff Physician, Barnes-Jewish West County Hospital, St Louis MO
7/2015-	Staff Physician, Children's Specialty Care Center, Town and Country, MO
7/2017-	Staff Physician, Mercy Children's Hospital, Creve Coeur, MO
12/2012-	Medical Director and Primary Physician to OPTN, Pediatric Kidney Transplant Program, St. Louis Children's Hospital

Associate Hospital Appointments:

1996-98	Member, Transport Team, Children's Hospital, Boston, MA, U.S.A.
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| 1996-98 | Interim Staff Physician, Pediatrics, South Shore Hospital, Massachusetts, U.S.A. |
| 1997-98 | Interim Staff Physician, Pediatrics, Newton-Wellesley Hospital, MA, U.S.A. |

Hospital Clinical Responsibilities:

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| 1991-1992 | Care of pediatric in-patients and PICU patients, outpatient care, supervision of residents, BYL Nair Hospital, Bombay, India. |
| 1995-98 | In-patient care of pediatric nephrology patients on ESRD and general nephrology services, on call coverage and pediatric nephrology continuity clinic at Children's Hospital, Boston, U.S.A. |
| 1996-98 | Transport of critically ill children from peripheral centers to PICU and NICU at Children's Hospital, Boston, MA U.S.A. |
| 1996-98 | In-patient care in general pediatric wards at Southshore and Newton Wellesley Hospitals, Massachusetts, U.S.A. |
| 1999-2012 | Pediatric nephrology continuity clinic, inpatient care of pediatric nephrology patients, pediatric dialysis, kidney transplantation, on call coverage at Shands Children's Hospital at UF, Gainesville, Florida. |
| 2008-2012 | Pediatric plasmapheresis, Shands Children's Hospital at UF, Gainesville, Florida |
| 2012- | Pediatric nephrology continuity clinic, inpatient care of pediatric nephrology patients, pediatric dialysis, kidney transplantation, on call coverage at St. Louis Children's Hospital. |
| 2012- | Pediatric plasmapheresis and cellular apheresis, St. Louis Children's Hospital |
| 2017 | Inpatient and ER consult coverage for pediatric nephrology, Mercy Hospital Creve Coeur, MO |

Awards and Honors:

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| 1980 - 1990 | National Talent Search Scholarship , National Council of Educational |
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Research & Training, Government of India, New Delhi, India – Awarded to 150-200 of the top high school students nationally from among 10,000 annual applicants, based on scores on standardized testing, personal interview and psychological profiling. This is the largest scholarship provided to undergraduate students by the Government of India and scholarship money continues till completion of eligible study (in this case, till post graduate degree).

- 1982 **Jane Patrao Award (Bronze medal)** - 3rd among college class of 100 in entrance examination to Topiwala National Medical College, Bombay, India.

- 1985 **H A Maniar Prize (Gold Medal)** - 1st among college class of 91 in Forensic Medicine at the 2nd MBBS University examination in April 1985, Bombay, India.

- 1988 - 1991 **Bombay University Merit Scholarship**, awarded to post graduate students of the University of Bombay based on meritorious undergraduate performance, Bombay, India.

- 1991 **Best Resident Award** - for the year 1990 – 1991, at BYL Nair Hospital, the teaching hospital of Topiwala National Medical College, Bombay, India. This award is given to the two top residents from across all medical residencies and departments at the hospital. Candidates must be nominated by their departments and cannot be self-nominated.

- 1992 **Dr V B Raju Young Investigators Award**, 29th annual conference of the Indian Academy of Pediatrics, for "Adverse drug reactions in pediatrics, with a study of in-hospital intensive surveillance".

- 1993 **Rameshwar Das Birla Fellowship Award**, RD Birla Smarak Kosh, Bombay Hospital Institute Medical Trust, Bombay, India. Awarded for the pursuit of post residency training in medical subspecialties.

- 1993 **Hargobind Medical Fellowship Award**, Hargobind Foundation, Bombay, India. \$10,000 for 1 year awarded for the purpose of traveling to foreign country institution to receive advanced subspecialty training. Dr. Dharnidharka was selected as the recipient of this award to train in pediatric nephrology at Royal Children's Hospital in Melbourne, Australia but did not avail of the monetary grant as he had committed by then to training in the USA.

- 1993 **1st Prize for Best Abstract**, Resident Abstract Competition of the annual

meeting of the Michigan Association of Physicians from India, for "Ultrasonic kidney size in relation to age, weight and malnutrition".

- 1994 **The Resident Award for Outstanding Scientific Research**, National Convention of the American Association of Physicians from India, Annual Research Forum for Medical students/Residents/ Fellows, for "Effect of malnutrition on renal size".
- 1995 **Sheldon Brenner Award for Best Resident Research**, Children's Hospital of Michigan, 1995 for "Prevalence of microalbuminuria in children with sickle cell disease".
- 1996 **Physician Recognition Award**, American Medical Association, USA.
- 1998 **ASTP Young Investigator Award**, American Society of Transplant Physicians, 17th Annual Meeting, Chicago, IL, May 1998.
- 1999 **AST Young Investigator Award**, American Society of Transplantation (formerly the ASTP), 18th Annual Meeting, Chicago, IL, May 1999
- 1999 **Physician Recognition Award**, American Medical Association, USA.
- 2000 **Young Investigator Award**, International Pediatric Transplant Association, 3rd Annual Meeting, Boston, MA, July 2000.
- 2000 **Young Investigator Award**, North American Pediatric Transplant Cooperative Study (NAPRTCS).
- 2001 **Young Investigator Award**, 5th Immunology of Diabetes International Congress, Chennai, February 2001
- 2001 **AAI Junior Faculty Award**, Annual Meeting of American Association of Immunologists (Experimental Biology 2001), Orlando, FL, April 2001
- 2001 **Physician Recognition Award**, American Medical Association, USA.
- 2002 **Society for Pediatric Research**, USA, Election to membership
- 2003 **ASN Young Investigator Award**, American Society of Nephrology, to present accepted papers at Society for Pediatric Research annual meeting, Seattle, May 2003
- 2003 **ISN Young Investigator Award**, International Society of Nephrology, World Congress of Nephrology, Berlin, June 2003

- 2004 **American Society of Nephrology**, USA, Election to **Fellow** status
- 2004 **Physician Recognition Award**, American Medical Association, USA.
- 2005 **Junior Faculty Travel Award**, 32nd Pediatric Nephrology Seminar Series, Miami, FL, USA, February 2005
- 2005 **Vice-President's APPCI Fellowship Award**, University of Florida, for highest rated new entrant into University of Florida's Advanced Postgraduate Program in Clinical Investigation
- 2006-7 Invited member on Pediatric transplantation, **Expert Faculty Resource Service**, American Society of Transplantation (society-generated Expert Speakers Bureau for invited Grand Rounds at North American institutions, independent of the pharmaceutical industry)
- 2006 **AST-Wyeth Achievement Award (also known as Career Development Award) for Assistant Professors in Clinical Science**, American Society of Transplantation (highest achievement honors of the society, no self-nominations allowed)
- 2006 **Vocational Service Award 2006**, Rotary Club of Bombay Peninsula
- 2006 American Society of Nephrology, Travel Grant, Professional Development Seminar
- 2007 Selected for **Best Doctors in America**, 2007-08 (selection by confidential physician peer assessment only)
- 2008 **Faculty Enhancement Opportunity Award**, University of Florida (internal competitive grant for enhancing academic skills)
- 2009 Certificate of Recognition, Outstanding Achievement in Pediatric Medical Student Education, 2008-09 (awarded to those faculty members in Department of Pediatrics who were repeatedly singled out by medical students for outstanding teaching)
- 2009 Selected for **Best Doctors in America**, 2009-10 (selection by confidential physician peer assessment only)
- 2010 Inducted into **Delta Omega**, the national honorary alumni society in Public Health, by University of Florida's College of Public Health and

Health Professions' Beta Epsilon chapter (only 10 selected each year by secret ballot of local chapter, based on candidate's work being a model for future graduates)

- 2010 Selected for **Best Doctors in America**, 2011-2012 (selection by confidential physician peer assessment only)

- 2012 **AST Investigator Achievement Award Clinical Science** (mid-career Associate Professor level) - American Society of Transplantation (highest achievement honors of the society, no self-nominations allowed)-one of only 18 people to receive separate AST achievement awards at two separate career stages

- 2013 Selected for **Best Doctors in America**, 2013 (selection by confidential physician peer assessment only)

- 2014 Selected for **Best Doctors in America**, 2014 (selection by confidential physician peer assessment only)

- 2015 American Society of Transplantation, Election to **Fellow** status

- 2015-16 Selected for **Best Doctors in America**, 2015-16 (selection by confidential physician peer assessment only)

- 2017 Nominated for Board of Directors election slate, American Society of Transplantation

- 2017 Selected for **Best Doctors in America**, 2017-18 (selection by confidential physician peer assessment only)

- 2017 Nominated for National Council election slate, American Society of Pediatric Nephrology

- 2019 Selected for **Best Doctors in America**, 2019-20 (selection by confidential physician peer assessment only)

- 2020-24 Elected to **national governing Council**, American Society of Pediatric Nephrology

- 2021 Elected to Washington University School of Medicine **Alpha Omega Alpha Medical Honors Society**, Faculty category

- 2021 **Academic Excellence Award**, American Nephrologists of Indian Origin,

lifetime achievement award given to one recipient yearly, no self-nominations allowed.

Presenters at award ceremony: Rulan Parekh, Vice-President Academics, Women's College Hospital, Toronto and Jodi Smith, President-Elect, American Society of Pediatric Nephrology

2023-27 Elected to **governing Council**, International Pediatric Transplant Association

2023 **Award of Excellence**, National Kidney Foundation of Eastern Missouri/Southern Illinois/Arkansas, to be presented on November 16, 2023

BRIEF DESCRIPTION OF JOB DUTIES

A. Clinical patient care

I provide highly specialized care to children and young adults with all types of kidney disease, with a specific focus on end-stage renal disease and kidney transplantation. I am frequently consulted by colleagues throughout the world to advise with difficult complications of solid organ transplantation such as post-transplant lymphoproliferative disease (PTLD) or infections from Epstein-Barr or BK virus. I run a half-day outpatient pediatric nephrology clinic per week, half of the clinics devoted to kidney transplant patients, and half to general nephrology. When in charge of the pediatric nephrology inpatient service, I provide care to children with kidney problems admitted under my charge, consultative service to the other pediatric patients for kidney-related problems, and to the outpatient chronic hemodialysis and peritoneal dialysis patients at St. Louis Children's Hospital. I perform kidney biopsies and continuous dialysis, acute intermittent hemodialysis or peritoneal dialysis in patients needing these specialized procedures. I also perform plasmapheresis and cellular apheresis for children with renal or non-renal diseases at St. Louis Children's Hospital. As part of clinical care quality assurance and continuous quality improvement, I review on a very regular basis the quality measures related to procedures (biopsy complication rates), chronic dialysis (vascular access rates, anemia management, bone mineral management, immunization rates) and transplantation (patient and organ graft survival, immunization rates).

Clinical Interests:

Renal transplantation, end stage renal disease, renal replacement therapies, hypertension.

B. Research:

My current independent research efforts are NIH-funded and involve several types of

clinical research related to kidney transplantation (large database analyses, biomarker studies, consortia prospective multi-center trials). **Over the last 16 years, I have received salary support from 7 separate NIH grant sources. I am the Principal Investigator on a current R01 grant from NIAID, a current P50 grant from the NIDDK and a new U01 grant from NCI.** In a prior completed R01 grant from the NIDDK, we performed sophisticated statistical analyses of large national transplant and renal failure databases, linked to national claims and pharmacy databases, containing hundreds of thousands of records, to evaluate global risk factors and efficacy/morbidity outcomes, with a focus on infections or malignancies after solid organ transplantation. We went live with our free web-based calculator tool in July 2021, available for all to use. In the NIAID grant I lead an international consortium to perform viral metagenomic sequencing of histologic tissues of PTLD (see below). In the P50 grant Dr. Sanjay Jain and I co-lead a group that will develop a molecular atlas of the pediatric kidney in health and disease, plus bring in/educate new entrants into pediatric nephrology research, and award pilot grants. In the new U01 grant I will lead a team that will interrogate the T and NK cell immune responses to Epstein-Barr virus infection in children after solid organ transplantation. I am also part of a 7-member Canadian and USA consortium that successfully completed and published an R01-funded 5-year randomized controlled trial to improve teen adherence. The consortium is completing a second 5 year R01-funded follow up study. **I have published >230 peer-reviewed papers to date, (~50% as first author, ~30% as senior author). I have also published 14 chapters and have >200 accepted abstracts at major national conferences. I served as lead editor of a first-ever book on a specific malignancy called post-transplant lymphoproliferative disease (PTLD), first published by Springer in 2009, 2nd edition in 2021. I have served on multiple NIH study review panels for U01, P01 or R34 grants. I am well known nationally and internationally for my research related to PTLD and BK virus nephropathy (BKVN), two major complications after organ transplantation.**

Research impact:

Source	SCOPUS	Google Scholar	ISI Web of Science
Citations	7841	11400	6859
h-index	42	51	39
i10 index	Not applicable	141	Not applicable

As of October 9, 2022

C. Administrative service

I served as Pediatric Nephrology Division Chief at University of Florida from June 2007 to March 2012 and have been the Division Chief at Washington University from 2012 onwards. In this capacity I oversee all aspects of the

divisional budgeting, scheduling, strategic planning, policy making and personnel management. **Over these years, the two divisions have shown significant growth of clinical revenues, addition of new procedures, clinics and practice locations, increasing extramural research funding, a high number of publications and strong educational ratings from our pediatric residents each year. In both places, we achieved a ~25% increase in net clinical revenues over 5 years.**

Through aggressive placement of new faculty in outreach clinics and instituting backfill clinics, we have expanded our clinical footprint and kept our new patient wait times to consistently under 10 days. *We initiated new programs in pheresis, pulse wave velocity, Aquadex ultrafiltration, novel vascular assessments and joined national QI collaboratives such as SCOPE and IROC.*

In 2013 I was appointed as co-chair of the Research-Forum Child Health, a Washington University institution-wide multi-disciplinary consultative group service to help investigators improve their project, with a goal to move the project closer to extramural funding. **In 2020, I was appointed Vice Chair for Clinical Investigation, to help build further collaborations among clinical and translational researchers in the Pediatrics Department and on the medical campus, to compete for higher level grants.**

I also serve on several national society committees. I served as the chair of the Scientific Program Committee for the American Society of Pediatric Nephrology, tasked with setting the scientific program for our May 2012 annual meeting, in conjunction with several other societies that form the Pediatric Academic Societies. I currently serve on the American Transplant Congress Planning Committee for 2021 and 2022. I served as the founding chair of the national level Pediatric Community of Practice within the American Society of Transplantation from 2007-2009, responsible for the transition from committee to community of practice. **I just completed two consecutive 2-year terms as the elected Chair of the Executive Committee of the Section of Nephrology within the American Academy of Pediatrics for 2018-2020, re-elected for 2020-22. I also serve on the Nephrology working group for US News and World Report. I was elected to the national governing Council of the American Society of Pediatric Nephrology for a 4-year term from 2020-24.**

In 2019, I lobbied for and won the right to host in St Louis, two national collaboratives for their investigator meetings, in back to back fashion. These meetings were held in September 2019 and were spectacularly successful, with the highest attendance ever for each. In April 2023, we again hosted one of those national collaboratives for their meeting.

D. Teaching:

At a national level, I have taught medical aspects of pediatric solid organ transplantation to fellows in different disciplines of solid organ transplantation

such as pediatric kidney, liver, heart and lung transplantation at the annual Fellows Symposium of American Society of Transplantation, 11 times between 2004-2016. I have been the speaker on pediatric kidney transplantation for version 2 and 3 of a national teaching CD-ROM of lectures on kidney transplantation prepared jointly by the American Society of Nephrology and American Society of Transplantation. From **May 2012-February 2019, I served on the national editorial board of the PREP Nephrology program of the American Academy of Pediatrics.** Currently, I am the co-chair of the Member Education Committee of the American Society of Pediatric Nephrology. I have served as a faculty speaker for the Board Review Course of the American Society of Pediatric Nephrology in 2013, 2015, 2017, 2019 and 2021.

At the institutional level, I sat on the Advisory Board of APPCI, the NIH-funded program at the University of Florida to train junior faculty and trainees in clinical research. Our job was to advise and assess trainees. **At a departmental level, I served as an Assistant Director for Education at the University of Florida, supervising all the fellowship program directors and supervising the common scholarly topics core curriculum series for all departmental fellows. I ran the pediatric nephrology fellowship program myself at University of Florida from 2004-2011 and held overall responsibility for all the teaching within the program. The program went from warning status (when I inherited the program in 2004) to full 5-year re-accreditation in just 2.5 years.** I teach the subject of kidney disease in children (pediatric nephrology) to health professionals at various levels of training. The students include medical students, pediatric residents, and pediatric nephrology fellows. The educational forums include patient rounds, formal classroom teaching, housestaff core conferences, divisional educational conferences and national level fellow teaching symposia. **In St. Louis I led the common core curriculum didactic/ethics/fellows research presentation series for the entire Pediatrics department from 2014-2018.**

TEACHING, ADVISING, AND INSTRUCTIONAL ACCOMPLISHMENTS

My teaching efforts have been diverse, both in audience and in terms of topics. The audience has included medical students, residents, pediatric nephrology fellows, solid organ transplant fellows of all specialties, physicians and other health care providers. The context of the educational effort has included undergraduate course supervision, teaching during patient ward and clinic rounds, resident morning report, resident core conferences, Department Grand Rounds, weekly educational conferences within the Pediatric Nephrology Division, twice monthly Pediatric nephrology fellow-directed teaching conferences and case discussion conferences at national level symposia to organ transplant fellows. Topics have covered general pediatrics, pediatric nephrology and pediatric solid organ transplantation.

Present teaching efforts

University of Florida College of Medicine

- 1999-2012 Pediatric Clerkship
Department of Pediatrics
Teaching attending of 1-3 medical students and 1-3 pediatric residents, 0.5 hr/week
- 1999-2012 Inpatient pediatric nephrology attending, Pediatric Nephrology
1-3 months/year
Attending of 1-4 medical students, 4-7 pediatric residents, 3-5 hours/week
Includes daily ½ hour pediatric resident morning report, once weekly ½ hour Pediatric Nephrology seminar on Wednesday mornings.
- 2001-2006 Organizer, Pediatric Nephrology Divisional Educational Seminars
I select topics and speakers for our division's weekly Tuesday 1-hour educational conferences and allocate dates. The topics range from a) journal club articles allotted to one of our internal group to critique; to b) guest lectures from our colleague divisions/departments in an area of common interest; to c) miscellaneous topics such as risk management, research protocols, and systems based practice.

Washington University School of Medicine

- 2012- Pediatric Clerkship
Department of Pediatrics
Teaching attending of 1-3 medical students and 1-3 pediatric residents, 0.5 hr/week
- 2012- Inpatient pediatric nephrology attending, Pediatric Nephrology
1-3 months/year
Attending of 1-4 medical students, 4-7 pediatric residents, 3-5 hours/week
- 2020- Co-organizer, Pediatric Clinical Translational Seminar series, Department of Pediatrics

National level

- 2004-2013 Pediatric Case discussion leader, American Society of Transplantation Fellows Symposium
This national symposium is an annual event designed to train solid organ transplantation fellows from different disciplines (liver, heart, kidney, lung, etc) about the common basic and clinical science aspects of solid organ transplantation. The faculty members are comprised of national leaders in the fields of transplantation science. I was invited in 2004 to

prepare and moderate a pediatric case discussion for this symposium. I was invited back to perform the same role in all years from 2004 to 2013 (except 2009), with additional responsibilities granted in subsequent years.

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| 2009, 2011, 2018 | Speaker on Pediatric Kidney Transplantation, versions 2, 3 and 4 of national CD-ROM of lectures on Kidney Transplantation, jointly prepared by American Society of Nephrology and American Society of Transplantation |
| 2012-2019 | Faculty question writer, PREP Nephrology, American Academy of Pediatrics (online set of 96 questions/year, approved for Part 2 credit for Maintenance of Certification in Pediatric Nephrology |
| 2013, 2015 | Faculty lecturer, American Society of Pediatric Nephrology Board Review Course, Transplantation part 2 |
| 2017 | Faculty lecturer, American Society of Pediatric Nephrology Board Review Course, Transplantation Immunology and Clinical Kidney Transplantation |

Chronologically:

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| 1989 - 1991 | 2 years of teaching experience as supervising resident at BYL Nair Hospital, Bombay, India. |
| 1991 - 1992 | 1 year of teaching experience as a faculty member at the Department of Pediatrics, T N Medical College, Bombay, India. |
| 1993 - 1995 | 2 years as supervising resident at Children's Hospital of Michigan, Detroit, MI |
| 1995 - 1998 | 3 years teaching experience as supervising fellow at Children's Hospital, Boston. |
| 1997 | Harvard Medical School, Interim Tutor: Human Systems - Renal Pathophysiology |
| 1998 | Harvard Medical School, Tutor: Human Systems - Renal Pathophysiology |
| 1999- | Faculty Member, Department of Pediatrics, University of Florida College of Medicine |
| 2001-2005 | Organizer, Pediatric nephrology division weekly educational conferences |

2003-2007	Organizer, Pediatric nephrology fellows teaching schedule
2004	Faculty, American Society of Transplantation Fellows symposium, Pediatric Transplant Case Discussion Leader
2005	Faculty, American Society of Transplantation Fellows symposium, a) Pediatric Transplant Case Discussion Leader b) Recurrent Disease Case Discussion Co-Leader
2006	Faculty, American Society of Transplantation Fellows symposium, a) Pediatric Transplant Case Discussion Leader b) Recurrent Disease Case Discussion Co-Leader
2007	Faculty, American Society of Transplantation Fellows symposium, Pediatric Transplant Cases (two sessions) Discussion Leader
2008	Faculty, American Society of Transplantation Fellows symposium, Pediatric Transplant Cases (two sessions) Discussion Leader
2008	Supervisor, Pediatric Fellowships Core Curriculum Lectures, Department of Pediatrics, University of Florida
2009	Audio+powerpoint presentation, "Pediatric Kidney Transplantation" Transplant Nephrology Core Curriculum, American Society of Transplantation, 2 nd edition, August 2009
2010	Faculty, American Society of Transplantation Fellows symposium, a) Pediatric Transplant Case Discussion Leader (two sessions) b) Careers in Transplantation panelist
2011	Faculty, American Society of Transplantation Fellows symposium, a) Indications for Solid Organ Transplantation: Kidney and Pancreas in Adults and Pediatric Recipients b) Management of Pediatric and Elderly Kidney Transplant Recipients c) Recurrent Disease of the Transplant
2011	Audio+powerpoint presentation, "Pediatric Kidney Transplantation" Transplant Nephrology Core Curriculum, American Society of Transplantation, 3 rd edition, August 2011
2012	Faculty, American Society of Transplantation Fellows symposium, a) Indications for Solid Organ Transplantation: Pediatric Recipients b) Cancer/PTLD in Transplant Recipients

- 2013 Faculty, American Society of Transplantation Fellows symposium,
a) Indications for Solid Organ Transplantation: Pediatric Recipients
b) Liver Allocation and Combined Liver-Kidney Transplant
c) Cancer/PTLD in Transplant Recipients
- 2013 Faculty lecturer, American Society of Pediatric Nephrology Board Review Course, Transplantation part 2, Charlotte, NC
- 2014 Faculty, American Society of Transplantation Fellows symposium,
a) Indications for Solid Organ Transplantation: Pediatric Recipients
b) Cancer/PTLD in Transplant Recipients
- 2015 Faculty, American Society of Transplantation Fellows symposium,
a) Indications for Solid Organ Transplantation: Pediatric Recipients
b) Early Management in Solid Organ Transplant: Pediatric Recipients
- 2018 Audio+powerpoint presentation, "Pediatric Kidney Transplantation"
Transplant Nephrology Core Curriculum, American Society of Transplantation, 4th edition, September 2018

Pediatric House Staff Core Conferences presented:

- 2002 Hemolytic uremic syndrome
- 2003 Hematuria, Adolescent Hypertension
- 2004 Enuresis
- 2005 Adolescent Hypertension, Hemolytic uremic syndrome
- 2006 Acute glomerulonephritis
- 2008 RTA/stones/trauma/toxins
- 2009- PREP Nephrology Board review questions
- 2010 Hemolytic uremic syndrome
- 2010 Urolithiasis
- 2012 Anti-hypertensive medications in children
- 2013 Basics of Dialysis
- 2014 Basics of Dialysis
- 2015 Urolithiasis
- 2015 Primary Hypertension
- 2016 Fluids and Electrolytes
- 2016 Acid-Base Disorders
- 2017 Fluids and Electrolytes
- 2018 Fluids and Electrolytes
- 2019 Fluids and Electrolytes

2020	Fluids and Electrolytes
2020	Acid-Base Homeostasis
2021	Fluids and Electrolytes
2022	Fluids and Electrolytes

Junior faculty whom I have mentored:

2013-2015	Michael Seifert, MD, Division of Pediatric Nephrology, Southern Illinois University and Washington University School of Medicine (member of KL2 committee)
2017-	Anne Mobley Butler, PhD, Department of Infectious Diseases, Washington University School of Medicine (co-investigator on her funded R21, primary mentor on her submitted K01 grant to NIDDK)
2020-	Raja Dandamudi, MD, Division of Pediatric Nephrology, Hypertension and Pheresis, Washington University School of Medicine

Pediatric Nephrology Fellows Supervised Clinically as a Faculty member or Fellowship Program Director at University of Florida (till April 2012)

1999-2001	Mohammad Ilyas, M.D. (currently Associate Professor, Division of Pediatric Nephrology, University of Florida, Jacksonville)
2003-2006	Leila Diaz, M.D
2004-2007	Carlos Araya, M.D. (currently Division Chief, Division of Pediatric Nephrology, Nemours Children's Hospital and University of Central Florida, Orlando)
2006-2009	Dwayne Henry, M.D. (currently Sleep Medicine Physician, Our Lady of the Lake Physician Group, Baton Rouge, LA)
2007-2010	Sushil Gupta, M.D. (currently Associate Professor of Pediatrics at Indiana University)
2008-2011	Husam Abdulnour, MD (currently Assistant Professor of Pediatrics, UC Davis)
2009-2012	Eihab Al Khasawneh, MD (currently Consultant Physician, Medical Institute, Sheikh Khalifa Medical City, Doha, Qatar)
2010-2012	Faris Hashim, MD (currently Assistant Professor, Texas Tech University)

2011-2012 Atul Poudel, MD (currently Assistant Professor of Pediatrics, University of Mississippi)

Pediatric Nephrology fellows supervised clinically at Washington University in St Louis (April 2012 onwards)

2010-13 Elizabeth Anyaegbu, MD (currently Assistant Professor of Pediatrics, Texas Children's Hospital and Baylor College of Medicine, Houston, Texas)

2011-2015 Carmen Halabi, MD, PhD (currently Assistant Professor in Pediatric Nephrology, Washington University School of Medicine, St Louis, MO)

2011-2015 Laura Hesemann, MD (currently Assistant Professor of Pediatrics/Medicine and Chief of Staff, University of Missouri, Columbia MO)

2012-2015 Nazia Kulsum-Mecchi, MD (currently Assistant Professor of Pediatrics, Children's Hospital of Illinois, Peoria, IL)

2016-2017 Kevin Barton, MD (currently Associate Professor in Pediatric Nephrology, Washington University School of Medicine, St Louis, MO)

2017-2020 Raja Dandamudi, MD (currently Assistant Professor in Pediatric Nephrology, Washington University School of Medicine, St Louis, MO)

2021-present Erika Young, MD

2021-present Yitong Albert Liu, MD

2022-present Matthew Biehl, PhD, MD

Primary Research mentor and Chair, Scholarship Oversight Committee, Pediatric Nephrology fellows

2008-10 Sushil Gupta, "Indoleamine 2,3 dioxygenase as a biomarker of tumor recognition and transplant alloreactivity"

2011-12 Faris Hashim, "Ureteral stent placement after kidney transplantation and risk for BK viremia"

- 2012-14 Laura Hesemann, “Development of antibodies to kidney self-antigens after kidney transplantation in children”
- 2013-2015 Nazia Kulsum-Mecchi, “Pulse wave velocity in children with obesity or hypertension”
- 2018- Raja Dandamudi, “Prospective evaluation of association of surveillance viremia to 1-year post-kidney-transplant function and fibrosis”

Additional research mentor, Member of Scholarship Oversight Committee, Pediatric Nephrology fellows

- 2005-2007 Carlos Araya, MD “Risk factors for hemodialysis catheter-related bacteremia. (Published in Am J Kidney Dis).

Other Pediatric Fellows I have mentored:

- 2015-18 Primary research mentor, Amir Orandi, MD, Pediatric Rheumatology fellow, Washington University
- 2015-17 Member, scholarship oversight committee, Brittany Blue, Neonatology fellow, Washington University
- 2015-17 Member, scholarship oversight committee, Swati Choudhry, Pediatric Cardiology fellow, Washington University

Pediatric Residents advised or mentored for nephrology careers

- 2002-2005 Charles Kwon, MD (currently Section Head, Pediatric Nephrology, Cleveland Clinic)
- 2007-2010 Isa Ashoor, MD (currently Assistant Professor, Louisiana State University, New Orleans)
- 2012-14 Joe Maliakkal, MD (currently Assistant Professor, Saint Louis University)
- 2013-14 Jillian Wareko, MD (currently Instructor, Yale Medical School)

Masters in Public Health Practicum Field Instructor

2019-20 Anjana Renganathan, Washington University in St Louis “Estimation of renal function evolution through infancy in children born premature”

Undergraduate Physician Shadowing, University of Florida Course MEL 4012 or otherwise

Fall 2007	Ms. Anum Ahmed
Spring 2008	Ms. Claudia Leon
Summer 2008	Ms. Rica Zantua
Fall 2008	Mr. Alexander Boulos
Spring 2010	Ms. Alexandra Monaco
Spring 2011	Ms. Sonia Joseph

Advanced Summer Program for Investigation and Research Education (ASPIRE)

Summer 2014	Mr. Harry O’Gorman
Summer 2015	Mr. John Lin

Students and Teachers as Research Scientists (STARS) program

Summer 2015	Ms. Nicaela Hoffman
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Program of Summer Research in Pediatrics

Summer 2017	Mr. Neil Vyas
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Other undergraduate students whose research I supervised

2013-	Ms. Priyanka Param (while a pre-med student Washington University, currently a medical student at Washington University School of Medicine)
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Fellow awards/travel grants under my mentorship:

2005	Fellow Travel Grant to Dr. Carlos Araya, American Society of Transplantation Fellows Symposium
2006	Fellows Travel Grants to Drs. Leila Diaz and Carlos Araya, 32 nd Annual Miami Pediatric Nephrology Seminar Annual Dialysis Conference Travel Grant to Dr. Carlos Araya for Stump the Professor case presentation finalist, San Francisco Fellow Travel Grant to Dr. Dwayne Henry, American Society of Transplantation Fellows Symposium

Best Teaching Fellow Award to Carlos Araya by University of Florida
pediatrics residents

- 2007 Children's Miracle Network Travel Award to Dr. Carlos Araya for oral abstract presentation at 4th Congress of the International Pediatric Transplant Association, Cancun, Mexico
- 2007 Kokomoor Award for Best Fellow in Pediatrics department, Dr. Carlos Araya
- 2007 Fellow Travel Grant, Dr. Dwayne Henry, American Society of Transplantation Fellows Symposium
- 2007 Fellow Travel Grant, Dr. Dwayne Henry, Peritoneal Dialysis Academy
- 2008 NIH T-32 grant from University of Florida's Hypertension Center to Dr. Dwayne Henry
- 2008 Fellow Travel Grant, Annual Dialysis Conference, Dr. Sushil Gupta
- 2008 Fellows Travel Grants to Drs. Dwayne Henry and Sushil Gupta, 34th Annual Miami Pediatric Nephrology Seminar
- 2008 Douglas J. Barrett Fellowship Grant to Dr. Dwayne Henry
- 2008 Travel grant, Career Development seminar, Dr. Dwayne Henry, American Society of Nephrology
- 2009 Fellows Travel grants to Renal Research Institute conference to Drs. Dwayne Henry, Sushil Gupta and Husam Abdulnour
- 2009 Douglas J. Barrett Fellowship Grant to Dr. Sushil Gupta
- 2009 Travel grant, Career Development seminar, Dr. Sushil Gupta, American Society of Nephrology
- 2010 Fellows Travel grant to Renal Research Institute conference to Dr. Eihab Al Khasawneh
- 2010 Trainee Travel Grant to Dr. Sushil Gupta to National Kidney Foundation meeting
- 2011 Fellows Travel grant to Renal Research Institute conference to Dr. Husam

Abdulnour

- 2011 Douglas J. Barrett Fellowship Grant to Dr. Eihab Al Khasawneh
- 2011 Fellow Travel Grant, Drs. Eihab Al Khasawneh and Faris Hashim, American Society of Transplantation Fellows Symposium
- 2012 Fellows Travel grant to Renal Research Institute conference to Dr. Eihab Al Khasawneh
- 2012 Fellows travel grant to Pediatric Academic Societies Meeting to present accepted abstract to Dr. Eihab Al Khasawneh
- 2012 Fellows Travel Grant, Dr. Elizabeth Anyaegbu, American Society of Transplantation Fellows Symposium
- 2013 Fellows travel grant for top 3 national submissions to “Stump the Professor Case presentation” to Dr. Laura Hesemann, Annual Dialysis Conference March 2013
- 2013 American Society Pediatric Nephrology travel grant to Fellow Dr. Carmen Halabi to attend ASPN annual meeting, May 2013
- 2013 American Society Pediatric Nephrology travel grant to pediatric resident Dr. Joe Maliakkal to attend ASPN annual meeting, May 2013
- 2013 Fellows Travel Grant, Dr. Nazia Kulsum-Mecchi, American Society of Transplantation Fellows Symposium, September 2013
- 2014 Fellows Travel Grant, Dr. Nazia Kulsum-Mecchi, Renal Research Institute Fellows Symposium, January 2014
- 2017 Fellows Travel Grant, Dr. Kevin Barton, Annual Dialysis Conference March 2017
- 2019 Fellows Travel Grant, Dr. Raja Dandamudi, Renal Research Institute Fellows Symposium, January 2020
- 2020 ASPN Fellows Presentation Travel Grant, Dr. Raja Dandamudi, Pediatric Academic Societies Meeting, May 2020

Senior Mentoring:

- 2022- Division chief mentoring, Dr. Carlos Araya, new division chief of

pediatric nephrology at Nemours Orlando

2023 ASPN senior faculty mentor to midlevel faculty member Dr. Rahul Chanchlani at McMaster University, Canada.

Consultant

2007- Bristol-Myers-Squibb, Inc.
 2008-2013 Invited conferences speaker/participant, Genzyme/Sanofi
 2010 Advisory Board, Chimerix
 2011, 2014 Advisory Board, Alexion Pharmaceuticals
 2011-2013 Data Safety Monitoring Board, Vaprisol pediatric study, Astellas
 2014-2015 Thymoglobulin US label Steering Committee, Genzyme Sanofi
 2017- Atara Biotherapeutics, Inc
 2017 Advisory Board, Reata
 2018 Advisory Board, Genzyme-Sanofi
 2019 Invited symposium speaker, CareDx
 2021 Consultant, MedinCell
 2021 Independent Data Safety Monitoring Committee, Akebia/MedPace for hyperphosphatemia drug
 2022 Chair, Independent Data Safety Monitoring Committee, Akebia/MedPace for HIF inhibitor drug
 2022 Advisory Board, Meningococcal vaccination for immunocompromised patients, Sanofi

Major Professional Societies:

1990- Indian Academy of Pediatrics
 1991- Royal Society of Health, UK
 1993- American Academy of Pediatrics
 1995-8 National Kidney Foundation, USA
 1995-8 International Pediatric Nephrology Association
 1997- American Society of Nephrology, Regular member
 1997-8 International Society of Nephrology
 1997-8 American Association for the Advancement of Science
 1999- American Society of Pediatric Nephrology
 1999-12 Alachua County Medical Society
 2000-12 Florida Medical Association
 2000- American Society of Transplantation
 2000- American Association of Immunologists
 2000- Federation of American Societies of Experimental Biology
 2001- International Pediatric Nephrology Association
 2002- Infectious Diseases Community of Practice, American Society of

	Transplantation
2002-12	International Pediatric Transplant Association
2002-8	Society for Pediatric Research
2004-	International Pediatric Hypertension Association
2004-9	American Society of Nephrology, Fellow status
2005	Fellow status, American Academy of Pediatrics
2010-	American Society of Nephrology, Fellow status (permanent)
2015-	American Society of Transplantation, Fellows status (permanent)
2015-16	American Pediatric Society

Membership, Online Professional Discussion Groups:

1997 -	Pediatric Nephrology Group “PEDNEPH”.
2003-	Pediatric Transplantation Group, “IPTAOnline”
2004-	Pediatric Hypertension Group, “pedhtn”
2006-2011	American Society of Nephrology Program Directors List-serve

Courses/Workshops Attended:

1996	Introduction to Clinical Research, Children’s Hospital, Boston, U.S.A. 40-hour course covering all aspects of study design, biostatistics, and presentation. Course Director: Charles Homer, MD, PhD.
1997	Dialysis Forum: Hemodialysis, Peritoneal Dialysis and Continuous Renal Replacement Therapy American Society of Nephrology, San Antonio, U.S.A. 30-hour course covering theoretical and practical aspects of dialysis. Course Director: Steven Schwab, MD.
1998	Renal Ultrasonography, National Kidney Foundation, Nashville, U.S.A. On Line Hemodialysis Monitoring, NKF, Nashville, U.S.A. Half-day courses covering hands on techniques.
1998	Principles and Techniques of Molecular Biology, Harvard University, Cambridge, U.S.A. 8-week course of lectures and hands on lab working covering latest techniques in molecular biology. Course Grade: A Course Directors: Dr. Alain Viel and Dr. Robert Lue

- 1998 Introduction to PCR
KT Biotechnology, Boston, MA
Course Director: Duncan Talbot, Ph.D.
One-day course covering practical aspects of PCR and troubleshooting
- 2001 Preparing for a Clinical Research Career in Nephrology
NIDDK, National Institutes of Health
3-day course covering aspects of study design, regulatory approval, grant submission and grant review processes as pertaining to Nephrology
Course Director: Robert Star, M.D.
- 2001 The Science of Clinical Research, General Clinical Research Center,
University of Florida College of Medicine
30-hour course covering all aspects of clinical study design, biostatistics, and presentation. Course Director: Peter Stacpoole, M.D., Ph.D.
- 2006 Professional Development Seminar, Mid-Career Track, American Society of Nephrology
- 2010 Leadership Development for Physicians in Academic Health Centers, Harvard School of Public Health, October 2010
2 week course covering institutional policy and strategy, operations management, financial analysis and control, clinical performance management, group dynamics and leadership, conflict resolution.
Course director: Eoin Trevelyan, DBA
- 2012-13 Leadership Development Program, Washington University School of Medicine, Departments of Pediatrics and Human Resources
- 2021-2022 **Selected via competitive application process as one of 5 scholars for the Pediatric Leadership Development Program, American Society of Pediatric Department Chairs (AMSPDC) – completed March 2022**

Committees and Service:
INTERNATIONAL:

- 2006 Session Chair, State of the Art Symposia “Immunosuppression Minimization in Pediatric Transplant Recipients”, World Transplant Congress, (Joint Meeting of American Society of Transplantation, American Society of Transplant Surgeons and international Transplantation Society), Boston, July 24th, 2006

- 2006-08 Invited member, Infectious Disease Program Planning Committee, XXII International Congress of The Transplantation Society August 2008, Sydney, Australia
- 2009 Section chair, Risk Factors for PTLN development, Consensus conference on PTLN, Seville, Spain, November 2009
- 2010 Invited session chair, “PTLN in transplant centers in India”, PTLN symposium at 25th Anniversary of Bombay Hospital Transplant Program, Mumbai, March 14 2010
- 2010 Abstract review panel, “Transplantation”, International Pediatric Nephrology Association 15th International Congress, Aug-Sept 2010, New York, USA
- 2010 Invited session chair, “New Immunosuppressants and Their Application” International Pediatric Nephrology Association 15th International Congress, Aug-Sept 2010, New York, USA
- 2013- Chair, Worldwide ENLIST Registry, formed by Bristol-Myers-Squibb in response to US FDA requirement for a Risk Evaluation and Mitigation Strategy to monitor for PTLN and PML after FDA approval of Nulojix (belatacept)
- 2013 Co-chair, abstract review committee, Kidney:Pediatrics, World Transplant Congress, Joint meeting of The Transplantation Society with American Society of Transplantation and American Society of Transplant Surgeons, July 2014, San Francisco
- 2019 Member, Abstract review committee, “Transplantation 3”, International Pediatric Nephrology Association meeting, Venice Italy, July 2019
- 2021-22 Member “BK polyomavirus international guidelines for organ transplantation”, The Transplantation Society
- 2021 Chair, Virtual MasterClass on “Personalized immunosuppression: Where are we now and what is on the horizon”, The Transplantation Society, July 14, 2021

International Pediatric Transplant Association (IPTA):

- 2005 Session chair, “Infectious Disease/PTLN II”, 3rd World Congress of the International Pediatric Transplant Association, Innsbruck, Austria, August

2005

- 2006 Abstract Review Committee (Immunobiology), 2nd Congress of the International Pediatric Transplant Association
- 2007 Oral Abstract Session Chair, “Kidney Transplantation II”, 4th Congress of International Pediatric Transplant Association, Cancun, Mexico, March 2007
- 2008- Abstract review panel chair, “Miscellaneous” 5th Congress of International Pediatric Transplantation Association, Istanbul Turkey, April 2009
- 2018-19 Section Co-Chair, Prevention group, PTLT consensus conference, March 2019, Nashville, USA.
- 2018-19 Section member, Viral load group, PTLT consensus conference, March 2019, Nashville, USA.
- 2019- Founding Chair, Communications Committee
- 2022 Chair, Miscellaneous Oral Abstracts session, IPTA Congress, March 2022 (virtual due to COVID19 pandemic)
- 2022 Member, Abstract review committee, “Kidney Transplantation”, 12th IPTA Congress, Austin, USA, March 2023
- 2023 Session moderator, Post-transplant lymphoproliferative disorders in pediatric transplantation workshop, 12th IPTA Congress, Austin, USA, March 2023
- 2023 Member, Awards committee
- 2023-27 Election to governing Council, 4-year term

NATIONAL:

American Society of Transplantation:

- 2001-2004 Member, Pediatric Committee, American Society of Transplantation
- 2004-5 Member, American Society of Transplantation Workgroup on Transition of Care from Adolescence to Adulthood

2004-2007	Member, Pediatric Committee, American Society of Transplantation
2004-2007	Member, Awards and Grants Committee, American Society of Transplantation
2005-2006	Co-Chair, Pediatric Committee, American Society of Transplantation, May 2005-May 2006
2005	American Society of Transplantation Transition of Care Conference for Adolescent Organ Transplant Recipients, June 2005 Chair: Session on Current status of adolescent transition in chronic disease Session Facilitator: Review Objectives for Meeting and Report, Group B: What needs to be done at the receiver end? Session Facilitator: Key Elements for Successful Transition, Group B: What needs to be done at the receiver end?
2006	Invited participant, Pediatric Kidney Work Group, Consensus Conference on Retransplantation, American Society of Transplant Surgeons/American Society of Transplantation, March 2006
2006-07	Chair, Pediatric Committee, American Society of Transplantation
2007-2009	Chair, Executive Committee, Pediatric Community of Practice, American Society of Transplantation
2007-08	Member, Nominating Committee, American Society of Transplantation
2008	American Society of Transplantation Task Force to Review Living years for Transplantation (LYFT) proposal by UNOS
2008-09	Co-Chair, AST Pediatric Renal Transplant Fellowship Training Accreditation Program Committee, American Society of Transplantation
2008-09	Member, Nominating Committee, American Society of Transplantation
2009-2010	Co-Chair, AST Pediatric Renal Transplant Fellowship Training Accreditation Program Committee, American Society of Transplantation
2010-	Member, RVU workgroup, American Society of Transplantation
2009-11	Past Chair, Executive Committee, Pediatric Community of Practice, American Society of Transplantation

- 2010-11 Chair, AST Pediatric Renal Transplant Fellowship Training Accreditation Program Committee, American Society of Transplantation
- 2015-18 Member, Education Committee, American Society of Transplantation
- 2020-22 Member, Planning Committee, American Transplant Congress 2021 and 2022

American Transplant Congress (Joint Meeting of American Society of Transplantation and American Society of Transplant Surgeons):

- 2000-1 Abstract Review Committee (Kidney-Clinical Science-Pediatrics, Recurrent Disease), Transplant 2001, Joint Meeting of American Society of Transplantation and American Society of Transplant Surgeons
- 2001-2 Abstract Review Committee (Allorecognition, Chemokines, Adhesion Molecules and Cytokines), American Transplant Congress 2002, Joint Meeting of American Society of Transplantation and American Society of Transplant Surgeons
- 2002 Chair, Oral Abstract Presentation Session, Chronic Rejection/Tissue Injury
American Transplant Congress, Joint Meeting of American Society of Transplantation and American Society of Transplant Surgeons, April 2002
- 2002-3 Abstract Review Committee (Clinical, Kidney-Pediatrics, Recurrent Disease), American Transplant Congress 2003, Joint Meeting of American Society of Transplantation and American Society of Transplant Surgeons
- 2003 Chair, Oral Abstract Presentation Session, Malignancy, American Transplant Congress, Joint Meeting of American Society of Transplantation and American Society of Transplant Surgeons, May-June 2003
- 2003 Chair, Oral Abstract Presentation Session, Rejection II, American Transplant Congress, Joint Meeting of American Society of Transplantation and American Society of Transplant Surgeons, May-June 2003
- 2003 Abstract Review Committee (Pediatric Kidney), American Transplant Congress 2004, Joint Meeting of American Society of Transplantation and American Society of Transplant Surgeons

- 2004 Abstract Review Committee (Pediatric Kidney), American Transplant Congress 2005, Joint Meeting of American Society of Transplantation and American Society of Transplant Surgeons
- 2007 Invited Co-chair, Abstract review panel, “PTLD/Malignancies”, 2007 American Transplant Congress
- 2007 Invited member, Abstract review panel, “PTLD/Malignancies”, 2008 American Transplant Congress
- 2007 Chair, Oral Abstract Session, “PTLD/Malignancies”, American Transplant Congress, San Francisco, May 2007
- 2008 Chair, Oral Abstract Session, “PTLD/Malignancies”, American Transplant Congress, Toronto, June 2008
- 2008- Abstract review panel co-chair, “PTLD/malignancies” American Transplant Congress 2009, Boston, May-June 2009
- 2009 Invited session chair, American Transplant Congress 2009 Pre-Meeting symposium on Pediatric Transplantation “Tolerance Protocols: Are children the best candidates?” Boston, May-June 2009
- 2009 Abstract review panel co-chair, “PTLD/malignancies” American Transplant Congress 2010, San Diego, May 2010
- 2010 Abstract review panel co-chair, “PTLD/malignancies” American Transplant Congress 2011, Philadelphia, April-May 2011
- 2011 Abstract review panel co-chair, “PTLD/malignancies” American Transplant Congress 2011, Boston, June 2012
- 2012 Abstract review panel co-chair, “PTLD/malignancies” American Transplant Congress 2013, Seattle, May 2013
- 2013 Chair, Oral Abstract Session, “PTLD/Malignancies”, American Transplant Congress, Seattle, May 2013
- 2014 Abstract review panel member, “PTLD/malignancies” American Transplant Congress 2015, Philadelphia, May 2015
- 2015 Chair, Oral Abstract Session, “PTLD/Malignancies”, American Transplant

Congress, Philadelphia, May 2015

- 2015 Abstract review panel co-chair, “PTLD/malignancies” American Transplant Congress, Boston, May 2016
- 2016 Invited session chair, American Transplant Congress Sunrise symposium on “BK virus and the Renal Allograft: a 360 degree view” Boston, June 2016
- 2016 Chair, Oral Abstract Session, “PTLD/Malignancies”, American Transplant Congress, Boston, June 2016
- 2016 Abstract review panel co-chair, “PTLD/malignancies” American Transplant Congress, Chicago, May 2017
- 2017 Chair, Oral Abstract Session, “PTLD/Malignancies”, American Transplant Congress, Chicago, May 2017
- 2018 Abstract review panel co-chair, “PTLD/malignancies” American Transplant Congress, Boston, June 2019
- 2019 Chair, Oral Abstract Session, “PTLD/Malignancies”, American Transplant Congress, Boston, June 2019
- 2020 Abstract review panel co-chair, “PTLD/malignancies” American Transplant Congress, Philadelphia, June 2020 (Meeting cancelled due to COVID-19 pandemic)
- 2020 Symposium session moderator, “Using Big Data to Personalize and Improve Transplant Outcomes”, American Transplant Congress, Philadelphia, June 2020 (Meeting cancelled due to COVID-19 pandemic)
- 2020 Symposium session moderator, “Walking on the tightrope: malignancies after pediatric solid organ transplantation”, American Transplant Congress, Philadelphia, June 2020 (Meeting cancelled due to COVID-19 pandemic)
- 2021 Moderator, Impact session “Spatial and Single Cell Profiling in Transplant Immune Injury” American Transplant Congress Virtual (due to COVID19 pandemic), June 2021
- 2021 Moderator, Impact session “Walking on the tightrope: malignancies after pediatric solid organ transplantation”, American Transplant Congress

Virtual (due to COVID19 pandemic), June 2021

2022 Abstract review panel co-chair, “PTLD” American Transplant Congress, San Diego, June 2023

American Society of Nephrology (ASN)

2003 Abstract Review Committee (Basic-Experimental), 36th Annual Meeting of the American Society of Nephrology

2008 Invited member, Abstract review panel, “Transplantation: Allograft Dysfunction and Complications”, 2008 American Society of Nephrology Annual Meeting

2010 Invited session chair, “Infections in kidney transplant recipients: emerging challenges”, American Society of Nephrology Annual meeting, Denver, November 2010

2010-2013 Member, Transplant Advisory Group, American Society of Nephrology, 3-year term

2013-2016 Member, Transplant Advisory Group, American Society of Nephrology, 3-year term

2022 Invited member, Abstract review panel, “Pediatric Nephrology”, 2022 American Society of Nephrology Annual Meeting

2023 Invited member, Abstract review panel, “Pediatric Nephrology”, 2023 American Society of Nephrology Annual Meeting, 2023

2023 Invited session moderator, **Maternal and Environmental Factors: Effect on Kidney Formation and Function**, American Society of Nephrology Annual Meeting, Philadelphia, November 2023

American Society of Pediatric Nephrology (ASPN)

2005-09 Member, Training and Certification Committee, American Society of Pediatric Nephrology

2006-07 Member, Governance Task Force, American Society of Pediatric Nephrology

2007	Member, Work Group for ACGME Pediatric Nephrology Program Information Revision, American Society of Pediatric Nephrology
2007-8	Member, ASPN 2008 annual meeting Program Committee, American Society of Pediatric Nephrology
2008-09	Member, ASPN 2009 annual meeting Scientific Program Committee, American Society of Pediatric Nephrology
2009-2010	Member, ASPN 2010 annual meeting Scientific Program Committee, American Society of Pediatric Nephrology
2009-11	Member, Training and Certification Committee, American Society of Pediatric Nephrology
2010-2011	Co-chair, ASPN 2011 annual meeting Scientific Program Committee, American Society of Pediatric Nephrology
2011-12	Chair, ASPN 2012 annual meeting Scientific Program Committee, American Society of Pediatric Nephrology
2013	Faculty speaker, ASPN Board Review Course, Transplantation (part 2), Charlotte, NC
2015	Faculty speaker, ASPN Board Review Course, Transplantation (part 2), Charlotte, NC
2017	Faculty speaker, ASPN Board Review Course, Transplantation (part 2), Columbus, OH
2019-21	Co-Chair, Member Education Committee
2019	Faculty speaker, ASPN Board Review Course, Transplantation Immunology, Columbus, OH
2019	Faculty speaker, ASPN Board Review Course, Scholarly Activity, Columbus, OH
2020-24	Elected to National Council (Board of Directors) for a 4-year term
2021	Faculty speaker, ASPN Board Review Course, Transplantation Immunology, Virtual conference due to COVID19 pandemic

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| 2021 | Faculty speaker, ASPN Board Review Course, Scholarly Activity, Virtual conference due to COVID19 pandemic |
| 2023 | Poster walk leader for young trainees, Nephrology abstracts, ASPN annual meeting at PAS, Washington DC, April 2023 |

American Academy of Pediatrics, Section of Nephrology

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| 2010-12 | Member, Henry Barnett Lifetime Achievement Award selection committee, American Academy of Pediatrics Section of Nephrology |
| 2014-17 | Elected member, Executive Committee, American Academy of Pediatrics Section of Nephrology |
| 2014-17 | Alternate member representative to Organ Procurement and Transplant Network (OPTN) |
| 2014-17 | Education chair, AAP Section of Nephrology |
| 2017-20 | Re-elected to 2 nd term, Executive Committee, American Academy of Pediatrics Section of Nephrology |
| 2018-20 | Elected to Chair position, Executive Committee, American Academy of Pediatrics Section of Nephrology |
| 2020-2022 | Re-elected to Chair position, Executive Committee, American Academy of Pediatrics Section of Nephrology |

Pediatric Academic Societies (PAS)

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| 2008 | Invited oral session chair, “Graft Loss: It’s More than Acute Rejection”, Pediatric Academic Societies Annual Meeting, Honolulu, May 2008 |
| 2009 | Invited oral session chair, Pediatric Academic Societies annual meeting, “Business issues for the academic pediatric nephrologist”, Baltimore, May 2009 |
| 2009 | Invited oral session chair, Pediatric Academic Societies annual meeting, “Hot topics in organ transplantation”, Baltimore, May 2009 |
| 2010-2011 | Member, annual meeting Scientific Program Committee, PAS 2011 |

meeting, Pediatric Academic Societies Alliance

- 2010 Co-chair, abstract review panel, Nephrology section, Pediatric Academic Societies meeting, April-May 2011
- 2011 Invited oral session chair, “What you can do with a database”, Pediatric Academic Societies meeting, Denver, April-May 2011
- 2011-12 Member, annual meeting Scientific Program Committee, PAS 2011 meeting, Pediatric Academic Societies Alliance
- 2011-12 Chair, abstract review panel, Nephrology section, Pediatric Academic Societies meeting, April-May 2012

American Board of Pediatrics

- 2018 Member, Standard Score setting workgroup, Pediatric Nephrology SubBoard

North American Pediatric Renal Trials and Collaborative Studies consortium (NAPRTCS)

- 2003-2006 Member of Special Studies Committee, North American Pediatric Renal Transplant Cooperative Study (NAPRTCS), international collaborative study group and database registry
- 2006-16 Election to membership, Participating Centers Committee (equivalent of central steering committee), North American Pediatric Renal Transplant Cooperative Study (NAPRTCS)
- 2007 Member, NAPRTCS Nominating Committee
- 2008-09 Chair, Data elements review committee
- 2011-12 Chair, Benchmarking elements review
- 2016- Member, Registry Committee
- 2017- Member, Clinical Trials Committee
- 2017- Member, Board of Directors
- 2020- Member, Communications Committee

OTHER NATIONAL

- 2003 Invited Participant, National Institutes of Health Conference on “Clinical Studies in Pediatric Organ Transplantation: Defining Priorities and Feasibility”, September 14th-15th, 2003
- 2004 Co-chair, Focus Group Round Table discussion, “Pediatric Kidney Transplantation: Special Needs of Children and Adolescents”, IDeon HealthCare Education, Chicago, November 2004
- 2008- Member, Conflict of Interest Committee, Clinical Trials in Organ Transplantation-Children (CTOT-C) Study, NIAID, NIH

LOCAL:

- 2003 Session Chair, Pediatric Science Days, University of Florida, February 2003
- 11/ 2007-6/2011 Member, Advanced Post Graduate Program in Clinical Investigation (APPCI) Advisory Board, University of Florida
- 11/2007-10/2008 Planning Committee, Department of Pediatrics 50th year anniversary celebrations, University of Florida
- 2008 Member, Pediatric Pathology Faculty Search Committee, University of Florida College of Medicine
- 2013- Co-chair, Child Health Project Development Team aka Research Forum-Child Health, a joint venture of Washington University Institute for Clinical and Translational Science and Children’s Discovery Institute
- 2020 Member, Internal Promotion and Tenure committee, Department of Pediatrics, Washington University School of Medicine
- 2020 Member, Oversight Committee, Pediatric Clinical Research Unit, St. Louis Children’s Hospital

MISCELLANEOUS:

- 1993-94 Member, Resident's Committee, Michigan Association of Physicians from India

2001-2	Secretary-Treasurer, Indian-origin Pediatric Nephrologists Organization, USA
2003-current	Member, Organizing Committee, Continuing Medical Education Seminar Series, Indian Cultural and Education Center, Gainesville, FL, USA.
2003	Moderator, Continuing Medical Education Seminar, Indian Cultural and Education Center, Gainesville, FL, April 26, 2003
2005	Moderator, Continuing Medical Education Seminar, Indian Cultural and Education Center, Gainesville, FL, February 26, 2005

Grant Review Committees

NIH Study Section Review Panels:

2004	Member, Scientific Review Group ZAI1 PA-I-S2 Clinical Trials in Organ Transplantation (U01), NIAID, June 2004
2009	Member, Scientific Review Group ZDK1 GRB-9 (J4) PAR-08-057 NIDDK Multi-Center Clinical Study Implementation Planning Grants (U34), November 2009
2014	Member, Scientific Review Group ZTR1 CI-8 01 Rare Diseases Clinical Research Consortium (RDCRC) Review Special Emphasis Panel (U54), March 2014
2015	Member, Special Emphasis Panel/Scientific Review Group 2015/10 ZAI1 BDP-I (S1)1, NIAID Clinical Trial Planning Grants (R34) and NIAID Clinical Trial Implementation Cooperative Agreement (U01), July 2015
2016	Member, Special Emphasis Panel/Scientific Review Group 2016/10 ZAI1 BDP-I (S1)1, NIAID Clinical Trial Implementation Cooperative Agreement (U01), Jun 2016
2016	Member, Special Emphasis Panel/Scientific Review Group ZAI1-ZL-I-J1, NIAID Clinical Trial Implementation Cooperative Agreement (R34 and U01), Oct 2016
2017	Member, Special Emphasis Panel/Scientific Review Group ZAI1-ZL-I-J1,

NIAID Clinical Trial Implementation Cooperative Agreement (R34 and U01), July 2017

2018 Member, Special Emphasis Panel/Scientific Review Group 2019/01 ZAI1 PTM-I (J2), NIAID Investigator-Initiated Clinical Trial Planning Grant (R34)

2019 Member, Scientific Review Group 2019 ZTR1 RD-8 (01), Rare Disease Clinical Research Network Consortia grants (U54)

2020 Member, NIAID Special Emphasis Panel (SEP), ZAI1-KJK-I-S1, NIAID R34/P01 Clinical Trial Planning Grants

2021 Member, NCATS Special Emphasis Panel/Scientific Review Group ZTR1 RD-2 (01), R03 and R21 applications to the Clinical Trial Readiness for Rare Diseases, Disorders, and Syndromes Programs

Other National Grant Review Committees:

2003-06 North American Pediatric Renal Transplant Cooperative Study (NAPRTCS) Special Studies Committee 3-year term

2004-07 American Society of Transplantation Awards & Grants Review Committee 3-year term

2008 AST-ASN John Merrill Transplant Scholar Grant Review Committee, Joint Grant Review Committee of American Society of Transplantation and American Society of Nephrology

2019 North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS) Special Studies Review Committee

2020 North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS) Special Studies Review Committee

2021 North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS) Special Studies Review Committee

Local Grant Review committees:

2007-2012 Member, Douglas Barrett Pediatric Fellowship Grant Review Committee, University of Florida Department of Pediatrics

2012	Member, KL-2 grant review committee, Washington University School of Medicine Institute for Clinical and Translational Science
2013	Member, KL-2 grant review committee, Washington University School of Medicine Institute for Clinical and Translational Science
2014	Mock NIH study section, Washington University School of Medicine Institute for Clinical and Translational Science
2015	Mock NIH study section, Washington University School of Medicine Institute for Clinical and Translational Science
2018	Member, K12 grant review committee, Mentored Training Program in Implementation Science, Washington University in St Louis
2018	Member, Review committee for Clinical Translational Science Research Funding Program, Washington University School of Medicine Institute for Clinical and Translational Science
2020	Member, Review committee for Mid-America Transplant and Washington University Translational Research in Transplantation grant program
2020	Member, Review committee for Washington University ICTS COVID-19 Research Funding Program
2022	Member, Review committee for Clinical Translational Science Research Funding Program, Washington University School of Medicine Institute for Clinical and Translational Science

Editorial Boards:

Guest Editorships

2014	Supplement: Pediatric Kidney Transplantation, in Open Journal of Urology and Nephrology, October 2014 issue
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Editorial Board Memberships

2003-	Pediatric Transplantation
2015-18	Kidney International

2018- Social Media Editor, Pediatric Transplantation
 2021- Communications Editor, Pediatric Transplantation
 2021- Pediatric Nephrology

Adhoc Reviewer

1998 Southern Medical Journal
 1999 Pediatric Nephrology
 Pediatric Transplantation
 Journal of American Society of Nephrology
 2000 Journal of Post Graduate Medicine
 2001 Graft
 Pediatric Transplantation
 Journal of American Society of Nephrology
 American Journal of Transplantation
 2002 Pediatric Nephrology
 Pediatric Transplantation
 Clinical Pediatrics
 Epilepsia
 Kidney International
 Clinical Drug Investigation
 2003 Diabetes and Metabolism
 American Journal of Kidney Diseases
 Journal of Nephrology
 Epilepsia
 Pediatric Transplantation
 2004 American Journal of Transplantation
 Drug Safety
 Pediatric Transplantation
 Epilepsia
 American Journal of Kidney Diseases
 Journal of Internal Medicine
 Journal of Urology
 Nephrology, Dialysis and Transplantation

	Renal Failure Pediatric Nephrology
2005	American Journal of Transplantation Pediatric Transplantation Nephron Transplant Infectious Diseases Kidney International Pediatric Nephrology
2006	American Journal of Transplantation Pediatric Transplantation Nature Clinical Practice Nephrology Pediatric Nephrology Nephron American Journal of Kidney Diseases Journal of Postgraduate Medicine
2007	New England Journal of Medicine Nephrology, Dialysis and Transplantation American Journal of Kidney Diseases Pediatric Nephrology American Journal of Transplantation Expert Review of Dermatology Pediatric Transplantation Clinical J American Society of Nephrology Nature Clinical Practice Nephrology
2008	American Journal of Transplantation Pediatric Transplantation Clinical J American Society of Nephrology Transplant Infectious Diseases Pediatric Nephrology
2009	American Journal of Transplantation Pediatric Transplantation Transplantation Transplant Infectious Diseases Pediatric Nephrology Journal of Pediatrics
2010	American Journal of Transplantation Transplantation

	Pediatric Transplantation Transplant Infectious Diseases Pediatric Nephrology Pediatrics BMC Pediatrics Expert Opinion on Drug Safety Clinical Journal Am Soc Nephrology Nephrology Dialysis Transplantation
2011	Nephrology Dialysis Transplantation American Journal of Transplantation Clinical Transplantation Clinical Journal American Society of Nephrology Transplantation
2012	Pediatric Transplantation Reviews in Medical Virology Pediatric Nephrology Clinical Transplantation
2013	Journal American Society of Nephrology American Journal of Transplantation Clinical Journal American Society of Nephrology Pediatric Nephrology Pediatric Transplantation Kidney International
2014	Journal American Society of Nephrology Kidney International Journal of Transplantation Pediatric Transplantation Clinical Nephrology Pediatric Nephrology American Journal of Transplantation Transplantation Pediatric Transplantation Journal of Pediatric Infectious Diseases PLOS One
2015	PLOS One American Journal of Transplantation Transplantation Pediatric Transplantation

	Journal of Clinical Investigation Kidney International Journal of Pediatrics Rubriq
2016	American Journal of Transplantation Transplantation Pediatric Transplantation Kidney International Rubriq
2017	JCI Insight American Journal of Transplantation Kidney International Pediatric Transplantation Pediatric Nephrology Transplantation Clinical Transplantation
2018	American Journal of Transplantation Pediatric Transplantation Pediatric Nephrology Journal of Medical Economics JCI Insight Cancers
2019	Journal of the American Society of Nephrology Transplant International Kidney International Reports Pediatric Nephrology Transplantation Pediatric Transplantation Journal of Molecular Diagnostics Transplant International European Journal of Haematology New England Journal of Medicine
2020	Blood American Journal of Transplantation Pediatric Transplantation Pediatric Nephrology BMC Nephrology

2021	Nature: Scientific Reports Pediatrics American Journal of Transplantation Pediatric Nephrology Lancet Oncology Clinical Lymphoma Pediatric Transplantation Kidney International Reports
2022	Kidney International Clinical Journal of the American Society of Nephrology Biomarkers in Medicine American Journal of Transplantation Pediatric Nephrology PLOS One Transplantation Pediatrics
2023	Transplantation Pediatrics Pediatric Transplantation Lancet Oncology

Other Volunteer Service:

2009	Medical volunteer, Kidney week, Boggy Creek camp for children with serious chronic illnesses
2010	Medical volunteer, Kidney week, Boggy Creek camp for children with serious chronic illnesses
2011	Medical volunteer, Kidney week, Boggy Creek camp for children with serious chronic illnesses

Invited Contributions and Lectures:

1998	Plenary Session Presentation, American Society of Transplant Physicians, 17th Annual Meeting “Are professional antigen presenting cells necessary for allograft rejection?” Chicago, IL.
1998	Grand Rounds, “Nephrotic Syndrome: What’s Old, What’s New”, Department of Pediatrics, Newton-Wellesley Hospital, Newton,

Massachusetts.

- 1998 Guest Lecture, “Newer aspects of nephrotic syndrome”, Department of Pediatrics, TN Medical College and BYL Nair Hospital, Mumbai, India
- 1999 Pediatric Post Graduate Education Pre Football Seminar Series, “Nocturnal Enuresis”, University of Florida, Gainesville FL.
- 2000 Plenary Session Presentation, International Pediatric Transplant Association, 1st Annual Meeting, “Risk Factors for PTLD in the NAPRTCS”, Venice, Italy.
- 2001 Guest Lecture, “Kidney Failure and Transplantation”, Rotary Club International, Mumbai Peninsula Branch, India.
- 2001 Guest Lecture, “Post Transplant Lymphoproliferative Disorder”, Mount Sinai School of Medicine, New York, NY
- 2001 Grand Rounds, “Inducing Peripheral Immune Tolerance in Autoimmunity and Transplantation”, Department of Pediatrics, University of South Florida, Tampa, FL
- 2002 Pediatric Department Grand Rounds, “Post Transplant Lymphoproliferative Disorder (PTLD)”, University of Florida, Gainesville FL
- 2003 Invited Symposium Talk: “Post Transplant Lymphoproliferative Disease in Pediatric Solid Organ Transplant Recipients: An Overview”, 2nd Congress of the International Pediatric Transplant Association, Rio de Janeiro, April 2003
- 2003 Invited Review and Update Course Talk, “Special Issues of PTLD in Children”, American Transplant Congress 2003, Joint annual meeting of American Society of Transplantation and American Society of Transplant Surgeons, May 2003
- 2003 Invited lecture, “Scope of PTLD”, National Institutes of Health/NIAID sponsored workshop on Post Transplant Lymphoproliferative Disease, September 16, 2003
- 2004 Invited Lecture, “Pathophysiology and Treatment of Post Transplant Lymphoproliferative Disease”, Symposium on Complications of Organ Transplantation, Annual Meeting of Pediatric Academic Societies, San

Francisco, May 2004

- 2004 Invited Lecture, “Post Transplant Immunosuppression: The past, present and future”, Florida Pediatric Society Annual Meeting, Boca Raton, June 2004
- 2004 Grand Rounds, Department of Pediatrics, University of Florida, August 2004, “Post Transplant Immunosuppression: The past, present and future”,
- 2004 Discussion leader, pediatric transplantation case discussion, Annual American Society of Transplantation Fellows Symposium on Transplantation Medicine, Fort Worth, August 2004
- 2004 Invited lecture, “Recent advances in post transplant lymphoproliferative disease”, Florida Society of Nephrology annual meeting, October 2004
- 2004 Invited Lecture, “Post transplant lymphoproliferative disease – an update” New England Pediatric Nephrology Group, Boston, MA, October 2004
- 2004 Invited lecture, “What’s new in transplantation”, Indian Pediatric Nephrology Group, New Delhi, India, November 26th, 2004
- 2005 Invited Lecture, “Vesico-Ureteral Reflux”, Munroe Regional Hospital Department of Pediatrics, Ocala FL, January 27th, 2005
- 2005 Invited Lecture, “Steroid Free Immunosuppression in Pediatric Kidney Transplantation, Division of Pediatric Nephrology, Nemours Clinic and Arnold Palmer Children’s Hospital, Orlando, FL, April 7th, 2005.
- 2005 Grand Rounds, “Transition of Care from pediatric to adult providers”, Department of Pediatrics, University of Florida, Nov 18th, 2005
- 2006 Invited talk, “High Blood Pressure”, Rotary Club of Bombay Peninsula, August 17th, 2006
- 2006 Invited talk, “PTLD and other malignancies”, 1st International Conference on Transplantation in Pediatrics, August 19th-20th, New Delhi, India
- 2007 Invited talk, “Viral infections in the immunosuppressed host”, 34th Annual International Pediatric Nephrology Seminar Series, Miami, March 2007
- 2007 Invited talk, “How can PTLD be prevented in high-risk patients”, Pre-meeting post-graduate seminar, American Transplant Congress, San

Francisco, May 2007

- 2007 Invited talk, “Epidemiology of PTLT”, American Transplant Congress, San Francisco, May 2007
- 2007 Invited talk, “Transplantation medicine: current and future”, Greater Mumbai Nephrology Group, Mumbai, July 2007
- 2007 Invited talk, “Newer measures of Kidney function GFR”, Department of Pediatrics, B.J. Wadia Children’s Hospital, Mumbai, July 2007
- 2007 Grand Rounds, “Nephrogenic Systemic Fibrosis”, Department of Pediatrics, University of Florida, October 5th, 2007
- 2008 Invited talk, “Transplant Registry Report”, National meeting of North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS), March 29, 2008
- 2008 Co-moderator, Early morning workshop, “PTLT: beyond reducing immunosuppression”, American Transplant Congress, Toronto, June 2008
- 2008 Invited national teleconference, Interlink Health Services Medical Roundtable Series, “State of Pediatric kidney transplantation”, September 22, 2008
- 2008 Invited talk, “Pathogenesis and Management of PTLT”, 41st Annual Meeting of American Society of Nephrology, Philadelphia, November 2008
- 2008 Invited lecture, “Infections post-transplant and focus on BK virus allograft nephropathy” Children’s Hospital of Philadelphia, November 2008
- 2008 Department of Pediatrics Research Seminar Series, University of Florida, “Clinical Research in Transplantation”, November 21, 2008
- 2008 Invited talk, “USA Registry data on Thymoglobulin and PTLT”, Confronting PTLT: International conference, (Sponsor Genzyme), Rome, December 5-6, 2008
- 2009 Invited talk, “Impact of steroid-free protocols in pediatric kidney transplantation”, 36th Annual International Pediatric Nephrology Seminar Series, Miami, Florida, March 2009

- 2009 Invited talk, “Impact of infectious complications on kidney allograft graft survival in children”, 36th Annual International Pediatric Nephrology Seminar Series, Miami, Florida, March 2009

- 2009 Invited talk, “BK virus”, Post-Graduate Workshop, 5th Congress of International Pediatric Transplant Association, Istanbul, April 2009

- 2009 Invited Audio+powerpoint presentation, “Pediatric Kidney Transplantation” Transplant Nephrology Core Curriculum, American Society of Transplantation and American Society of Nephrology, 2nd edition, August 2009

- 2009 Co-speaker, Workshop on “Current Management of PTLD”, 5th Congress of International Pediatric Transplant Association, Istanbul, April 2009

- 2009 Renal Grand Rounds, Johns Hopkins University, “Impact of infections such as BK virus in kidney transplantation”, Baltimore, May 1, 2009

- 2009 Invited talk, “Assessing the totality of immunosuppression in a given transplant patient”, Annual meeting of the American Society of Pediatric Nephrology/Pediatric Academic Societies, Baltimore, Maryland, May 2009

- 2009 Invited talk, “PTLD and International Registry Data”, Annual Meeting of European Society of Organ Transplantation, Paris, France, August 30, 2009

- 2010 Invited Keynote speaker “Post-transplant lymphoproliferative disorders”, Transplant Nephrology National Symposium on PTLD, 25th Anniversary of Bombay Hospital’s Transplant Program, March 14, 2010

- 2010 The Bombay Hospital Oration “Pitfalls in pediatric kidney transplant – surgical and medical”, 25th Anniversary of Bombay Hospital’s Transplant Program, March 14, 2010

- 2011 Invited talk, “Evaluation and Management of Pediatric Solid Organ Transplant Recipients with BK & EBV: Two Interesting Cases”, American Transplant Congress, Philadelphia, April-May 2011

- 2011 Invited audio+powerpoint presentation, “Pediatric Kidney Transplantation” Transplant Nephrology Core Curriculum, American Society of Transplantation and American Society of Nephrology, 3rd edition, August 2011

- 2011 Invited talk, “Immune monitoring of transplant patients”, Mexican Institute of Research in Nephrology, Acapulco, December 2011
- 2011 Invited talk, “PTLD in transplant recipients”, Mexican Institute of Research in Nephrology, Acapulco, December 2011
- 2011 Invited talk, “BK virus nephropathy in transplant recipients”, Mexican Institute of Research in Nephrology, Acapulco, December 2011
- 2012 Invited talk, “BK and PTLT challenges post-renal transplantation”, 39th Annual International Pediatric Nephrology Seminar Series, Miami, March 2012
- 2012 Invited lecture, “Anti-hypertensive drugs in children”, Family Medicine CME program, Andersen Hospital, Maryville IL, November 2012
- 2013 Invited lecture, “Safety of different induction regimens in kidney and heart transplantation”, 5th Interactive Frankfurt Expert’s Forum on Organ Transplantation-Immunosuppression new strategies and ways, Sanofi, Frankfurt Germany, January 2013
- 2013 Invited lecture, “Immune suppression-when is it too much?” International Transplant Nurses Society, Gateway Chapter, 3rd Annual Current Trends in Transplantation, St. Louis USA, April 2013
- 2013 Invited talk, “Prevention of EBV infection and PTLT-how far have we come?” Annual meeting of the American Society of Pediatric Nephrology/Pediatric Academic Societies, Washington DC, May 2013
- 2014 Invited lecture “Fluids and Electrolytes”, AudioDigest, Inc. CD-ROM series
- 2014 Invited talk, “Oncogenic virus surveillance”, Immunomodulators and Cancer Risk Assessment workshop, United States Food and Drug Administration, Silver Spring USA, October 2014
- 2015 Invited talk, “Viral surveillance post-transplant: triggers for therapy changes and outcomes”, American Society of Nephrology annual meeting, San Diego, November 2015
- 2015 Invited talk, “Recent advances in PTLT”, Transplantation Centre Rounds, Transplant and Regenerative Medicine Centre, Hospital for Sick Kids,

Toronto, Ontario, Canada, November 2015

- 2016 Invited lecture, “Primary hypertension in children”, Pediatric Symposium, Cape Girardeau County Area Medical Society, April 2016
- 2016 Invited lecture, “Hypertension in neurologically handicapped children”, Ranken Jordan Pediatric Bridge Hospital, St. Louis, MO USA, November 2016
- 2017 Pediatric Grand Rounds, “Acute kidney injury: being AWARE”, Washington University School of Medicine, St. Louis MO USA, February 2017
- 2017 Invited lecture, “Update on pediatric hypertension”, Community Outpatient Pediatric Experience preceptors semi-annual CME lecture, Washington University School of Medicine, St. Louis MO USA, March 2017
- 2017 Renal Research Series presentation, “Personalized medicine in transplantation using big data”, Washington University School of Medicine, St. Louis MO USA, April 2017
- 2017 Invited lecture and panel discussant, “Should we transplant this child?”, American Transplant Congress, May-June 2017, Chicago USA.
- 2017 Invited lecture, “Update on post-transplant lymphoproliferative disease”, Annual meeting of American Society of Nephrology, November 2017, New Orleans, USA
- 2017 Invited Clinical discussant, Pediatric Nephrology Clinico-pathological case discussion, Annual meeting of American Society of Nephrology, November 2017, New Orleans, USA
- 2017 Invited lecture, “Pediatric kidney transplantation: clinical consideration during late adolescence and transition”, Post-graduate education pre-meeting, Annual meeting of American Society of Nephrology, November 2017, New Orleans, USA
- 2018 Invited lecture, “Preventing the consequences of EBV”, Midday Didactic session on Viral Infections: State of the Art Prevention, American Transplant Congress, June 2018, Seattle, USA
- 2018 Invited lecture, “Personalized medicine in organ transplantation using big

data”, Nephrology Grand Rounds, Global Hospital, July 2018, Mumbai, India (streamed live on Twitter)

- 2018 Audio+powerpoint presentation, “Pediatric Kidney Transplantation” Transplant Nephrology Core Curriculum, American Society of Transplantation and American Society of Nephrology 4th edition, September 2018
- 2018 Transplant Registry Report, Annual meeting of the North American Pediatric Renal Trials and Collaborative Studies, Chicago, September 2018
- 2019 Invited lecture “The Balancing Act: Minimizing Posttransplant Viral Infections and Acute Rejection”, 46th Miami Pediatric Nephrology Seminar Series, Miami FL USA, March 2019
- 2019 Visiting Professor lecture, Department of Pediatrics, Robert Wood Johnson Rutgers Medical School, “Post-transplant lymphoproliferative disorders: how a rare disease can teach us about infections, cancer, genomics and immunology”, New Brunswick, NJ, April 2019
- 2019 Invited lecture, “Non-adherence in pediatric kidney transplant-Practical strategies for the pediatric and adult nephrologist”, KidneyCon, Little Rock, AK, USA, April 2019
- 2019 Invited presentation, “Illustrative case of PTLT”, Atara Biotherapeutics Advisory Board at American Transplant Congress, Boston, May 2019
- 2019 Invited lecture, “Driving the science of cell free DNA”, at satellite symposium of American Transplant Congress, “Better Transplant Outcomes Start with Better Surveillance”, sponsored by CareDx, Boston, May 2019
- 2019 Invited lecture, “Complications of renal transplantation - tumors“, International Pediatric Nephrology Association meeting, Venice, Italy, October 2019
- 2020 Invited Grand Rounds, “Prematurity: paying the renal and cardiovascular price in later life”, Department of Pediatrics, Washington University School of Medicine, St. Louis MO USA, April 2020
- 2020 Invited workshop debate (con) with Urologist Albin Gritsch (pro), “To stent or not to stent: that is the ureteral question”, American Transplant

- Congress, Philadelphia, June 2020 (Meeting cancelled due to COVID-19 pandemic)
- 2020 Invited lecture, “Merging National Data for Transplant Outcomes”, in session on Using Big Data to Personalize and Improve Transplant Outcomes”, American Transplant Congress, Philadelphia, June 2020 (Meeting cancelled due to COVID-19 pandemic)
- 2020 Invited lecture, “Putting the biomarkers together: a panel approach” in session on Biomarkers of Immune Status after Pediatric Kidney Transplantation - the Yin/Yang of Rejection Versus Infection” American Transplant Congress, Philadelphia, June 2020 (Meeting cancelled due to COVID-19 pandemic)
- 2020 Invited lecture “Acute Kidney Injury in Children”, AudioDigest, Inc. CD-ROM series
- 2020 Invited lecture “Microscopic Hematuria in Children”, AudioDigest, Inc. CD-ROM series
- 2020 Invited lecture “Post-transplant leukemia and lymphoma”, Annual meeting of the American Society of Nephrology, October 2020 Denver USA (virtual meeting due to COVID19 pandemic)
- 2020 Invited lecture “Urinary Tract Stones in Children”, AudioDigest, Inc. CD-ROM series
- 2020 Invited lecture, “Large national registries research in pediatric kidney transplantation” Renal Grand Rounds, Washington University School of Medicine, December 2020 (presented virtually due to COVID-19 pandemic)
- 2021 Invited lecture, “Epstein-Barr virus infections and post-transplant lymphoproliferative disorders”, University of Minnesota Pediatric Nephrology Seminar Series, January 2021 (presented virtually due to COVID-19 pandemic)
- 2021 Invited lecture “Post-transplant leukemia and lymphoma”, Emory University Transplant Center Grand Rounds, February 2021 (presented virtually due to COVID-19 pandemic)
- 2021 Invited lecture “The long term renovascular complications of prematurity”, Kidney Foundation for Children and SRCC Superspecialty

Hospital for Children, March 2021, (presented from SRCC Hospital Mumbai virtually to the audience due to COVID-19 pandemic)

- 2021 Invited lecture “Post-transplant Epstein-Barr virus (EBV) infections”, Virtual Pediatric Kidney Transplant Update endorsed by the International Pediatric Nephrology Association, March 2021 (presented virtually due to COVID-19 pandemic)

- 2021 Invited lecture, “PTLD and other malignancies following kidney transplant in childhood”, Pediatric Academic Societies Virtual meeting (due to COVID19 pandemic), May 2021

- 2021 Invited lecture, “To stent or not to stent; that is the ureteral question” Con section of debate, American Transplant Congress Virtual (due to COVID19 pandemic), June 2021

- 2021 Invited lecture, “Putting the biomarkers together: a panel approach”, American Transplant Congress Virtual (due to COVID19 pandemic), June 2021

- 2021 Invited lecture, “Personalizing immunosuppression regimens by efficacy and morbidity risk from big data”, Saudi Society of Nephrology and Transplantation (virtual meeting due to COVID19 pandemic), November 2021

- 2021 Invited lecture, “Contrasting BK virus after kidney transplant in children versus adults”, Saudi Society of Nephrology and Transplantation (virtual meeting due to COVID19 pandemic), November 2021

- 2021 Invited lecture, “Biomarkers of rejection: where do we stand”, Miami Pediatric Nephrology Seminar Series (virtual meeting due to COVID19 pandemic), November 2021

- 2022 The **Robert A. Flinn Memorial Endowed Lecture** “Post-transplant lymphoproliferative disorders – teaching us about oncology, virology, immunology and genomics”, Department of Pediatrics, University of Illinois College of Medicine at Peoria, Jan 2022 (virtual due to COVID19 pandemic)

- 2022 Invited lecture, “Post-transplant lymphoproliferative disorders – teaching us about oncology, virology, immunology and genomics”, Renal Grand Rounds, Nationwide Children’s Hospital, Columbus, USA, Jan 2022 (virtual due to COVID19 pandemic)

- 2022 Invited lecture, “Immune monitoring post kidney transplant”, Procedures in Pediatric Nephrology & Transplantation international conference by PCRRT-ICONIC Foundation and the International Pediatric Nephrology Association, Jan 2022 (virtual due to COVID19 pandemic)
- 2022 Invited lecture, “Recurrent focal segmental glomerulosclerosis after kidney transplantation”, Research Seminar Series, Division of Nephrology, Robert and Ann Lurie Children’s Hospital, Chicago (virtual due to COVID19 pandemic).
- 2022 Invited lecture, “Taming of the Shrew: Management of Infectious Complications”, Pre-meeting transplant symposium, 20th Congress of the International Pediatric Nephrology Association, Calgary Canada, Sep 2022
- 2022 Invited lecture, “Does steroid-free immunosuppression increase the risk of with late acute cellular rejection?” 20th Congress of the International Pediatric Nephrology Association, Calgary Canada, Sep 2022
- 2022 Invited lecture, “Viral infection impacting kidney function after transplantation”, 48th Miami Pediatric Nephrology Seminar Series, Oct 15th, 2022
- 2023 Invited lecture, “Generating real world evidence for AlloMap Kidney in clinical practice”, Winter symposium of the American Society of Transplant Surgeons, January 2023, Miami.
- 2023 Invited lecture, “Novel transplant biomarkers”, online to Women in Nephrology-India and in-person at Global Hospital, February 2023, Mumbai
- 2023 Invited lecture, “Post-transplant lymphoproliferative disorders”, at the IPNA-PCRRT-ICONIV Pediatric Solid Organ Transplant Webinars, presented virtually on July 15th, 2023

Research Interests:

Post transplant lymphoproliferative disease/disorders (PTLD), Epstein Barr virus infections, BK virus allograft nephropathy, post-transplant rejection and infection biomarkers, post-transplant cancers, medication adherence, cystatin C and measures of GFR, nephrogenic systemic fibrosis, vascular assessment markers.

Research Funding: (in reverse chronological order)

Current:

- 2023-2028 Title: Understanding the immune response changes to clinical interventions for Epstein-Barr virus infection prior to lymphoma development in children after organ transplants (UNEARTH)
Grant number: U01CA275304A1-01
Funding Agency: National Institutes of Health - National Cancer Institute (NCI)
Effective Dates: Sept 1, 2023-August 31, 2028
Role: Principal Investigator (25% effort)
Award Amount: \$4,770,339
- 2022-2027 Title: Washington University Pediatric Center of Excellence in Nephrology (WUPCEN)
Grant number: 1P50DK133943-01
Funding agency: National Institutes of Health (NIH) – National Institute of Diabetes, Digestive and Kidney Diseases (NIDDK)
Effective dates: Sept 21, 2022 – June 30, 2027
Role: Principal Investigator (10% effort) along with Sanjay Jain, MD
Award amount: \$4,054,067
- 2019-2024 Title: Metagenomic shotgun microbial sequencing in post-transplant lymphoproliferative disorders (PTLD-MSMS)
Grant number 1R01 AI142135-01
Funding agency: National Institutes of Health (NIH) – National Institute of Allergy, Immunology and Infectious Diseases (NIAID)
Effective dates: 06/10/2019 to 05/31/2024
Role: Principal Investigator (25% effort)
Award amount: \$2,866,594
- 2021-2022 Title: Prospective Early Multi-Modality Longitudinal Surveillance in pediatric kidney transplant care: PREEMPT Study
Grant number: N/A
Funding Agency: American Society of Transplantation/CareDx
Effective Dates: 10/1/2021 to 9/30/2022
Role: Co-Investigator (2% effort) – PI Raja Dandamudi
Award amount: \$100,000
- 2020-2022 Title: Pediatric Outcomes of KidneyCare in Renal Allografts (pOKRA)
Grant number: N/A

Funding Agency: American Society of Transplantation/CareDx
Effective Dates: 10/1/2020 to 9/30/2022
Role: Principal Investigator (1% effort)
Award amount: \$100,000

2016-2021 Title: TAKE-IT TOO: Teen Adherence in Kidney transplant: Improving Tracking To Optimize Outcomes
Grant number 1R01DK110737-01
Funding agency: National Institutes of Health (NIH) – National Institute of Diabetes, Digestive and Kidney Diseases (NIDDK)
Effective dates: Sept 1, 2016 – June 30, 2021
Role: Co-Investigator on grant submission and Site Principal Investigator on awarded study (7 site consortium, Foster, PI) – 5% effort
Award amount: \$168,725

2013- Title: Research Forum-Child Health
Grant: UL1TR000448
Funding agency: Institute of Clinical and Translational Sciences, Washington University School of Medicine (through NCTS grant UL1 TR000448) and Children's Discovery Institute
Role: Co-chair
Effort: 7% salary support

2018- Title: Chronic Kidney Disease in Children (CKID IV)
Grant number: U01DK066174 (Furth and Warady, PIs)
Funding Agency: National Institutes of Digestive, Diabetes and Kidney Diseases, Grant # 5 U01 DK066174-02
Effective Dates: Aug 27, 2018 to July 31, 2021
Role: Site Principal Investigator 1% effort
Award Amount \$5,236

2018- Title: CureGN 2.0
Grant number: 5U01DK100866-08
Funding agency: Midwest Pediatric Nephrology Consortium – PCC for NIDDK/ (Smoyer, PI)
Effective dates: 08/16/19 – 05/31/24
Role: Site Principal Investigator 1% effort
Award amount: \$113,159 Total Costs

Past:

2014-2021 Title: Choosing Immune Suppression in Renal Transplantation by Efficacy and Morbidity
Grant number 1R01DK102981

Funding agency: National Institutes of Health (NIH) – National Institute of Diabetes, Digestive and Kidney Diseases (NIDDK)
Effective Dates: August 18, 2014 to July 31, 2021
Role: PI (16% effort)
Amount awarded: \$1,856,569

2018-2020 Title: Comparative Effectiveness, Safety, and Costs of Antimicrobial Therapy for Urinary Tract Infections
Grant number 1R21 AI138385-01
Funding agency: National Institutes of Health (NIH) – National Institute of Diabetes, Digestive and Kidney Diseases (NIDDK)
Effective dates: 5/21/2018 to 4/30/2021
Role: Co-Investigator – 5% effort
(Dr. Anne Mobley Butler - Principal Investigator)
Award amount: \$275,000

2014-2016 Title: Nextgen Deep Sequencing In Post-transplant Lymphoproliferative Disorders
Grant number: MC-II-2014-394
Funding agency: Children's Discovery Institute
Effective dates: February 1st, 2014 to January 31st, 2016
Role: PI
Award amount: \$227,741

2013-2014 Title: Immune Monitoring to Optimize Superior Allograft Outcomes in Transplantation
Grant number: CTSA603
Funding agency: Institute of Clinical and Translational Sciences, Washington University School of Medicine (through NCTS grant UL1 TR000448)
Effective dates: June 1, 2013 to May 31, 2014
Role: PI
Award amount: \$50,000

2011-2016 Title: TAKE IT- Teen Adherence in Kidney Transplant Effectiveness of Intervention Trial.
Grant number: 1R01 DK092977-01
Funding agency: National Institutes of Digestive, Diabetes and Kidney Diseases, NIH
Effective dates: July 1, 2011-June 30, 2016
Role: Co-Investigator on grant submission and Site Principal Investigator on awarded study (7 site consortium, (Foster, PI))
Award amount budgeted to receive: Total \$354,002, Direct \$241, 640,

Indirect \$112, 362, plus per enrolment

- 2010-2013 Title: Cooperative Clinical Trials in Transplantation – Children (CTOT-C)
Grant Number: 1U01AI077816
Funding Agency: National Institutes of Health/National Institute of Allergy and Infectious Diseases
Effective Dates: May 1, 2010 to April 30, 2012 (ongoing)
Role: Co-Investigator and site PI (6 site consortium called CTOTC, Harmon, PI)
Award Amount received at University of Florida till date: \$111, 340, Direct \$76,000, Indirect \$35, 340 (salary support to PI and coordinator)
- 2010-2013 Title: Cooperative Clinical Trials in Transplantation–Children (CTOT-C)-05: Perceived Barriers to Patient Adherence after Pediatric Solid Organ Transplantation (Sweet, PI)
Grant Number: 1U01AI077816
Funding Agency: National Institutes of Health/National Institute of Allergy and Infectious Diseases, NIH
Effective Dates: September 17, 2010 to August 31, 2011 (ongoing)
Role: Site Principal Investigator
Award Amount till date: \$2,417, Direct \$ 1,650, Indirect \$767 (salary support to PI and coordinator)
- 2009 Title: Reduction of antibody sensitization in children on chronic dialysis: a randomized multi-center study using Myfortic - Investigator initiated research proposal (IIRP)- awarded but never activated due to contractual issues with sponsor
Funding Agency: Novartis, Grant Number CERL080AUS75T
Effective Dates: July 1st, 2009 – June 30, 2011
Role: Overall Principal Investigator (developed and submitted proposal)
PI effort: 25% for 2 years
Award Amount: Total \$462,000 (to PI)
- 2009- Title: Persistent EBV Load and PTLN registry
Funding Agency: Genzyme-Investigator Initiated Research Proposal
Effective Dates: July 1st, 2009 -ongoing
Role: Overall Principal Investigator (developed and submitted proposal)
PI effort: consultant fee, contract awarded to NAPRTCS consortium
Total Award: \$37,500 (to NAPRTCS)
- 2009-2010 Title: Eculizumab, a complement activation inhibitor, in the treatment of atypical hemolytic uremic syndrome, plasma therapy resistant (project # C08-002B) or sensitive (project # C08-003B)

- Funding agency: Alexion Pharmaceuticals
Effective dates: June 26, 2009 to June 3, 2010
Role: Site Principal Investigator
Award Amount: \$14,050, Direct \$11, 240, Indirect \$ 2,810
- 2008- Title: Chronic Kidney Disease in Children-II
Funding Agency: National Institutes of Digestive, Diabetes and Kidney Diseases, Grant # 5 U01 DK066174-02
Effective Dates: February 1, 2010 to Sept 27, 2011 (ongoing)
Role: Co-Investigator on grant submission and Site Principal Investigator on awarded study (Furth and Warady, PIs)
Award Amount till date: Total \$14, 610, direct \$13, 940, Indirect \$ 670
- 2008- Title: A Multicenter, Double-blind, Randomized Study Evaluating De Novo Weekly and Once Every 2 Week Darbepoetin alfa Dosing for the Correction of Anemia in Pediatric Subjects With Chronic Kidney Disease Receiving and Not Receiving Dialysis (Amgen study # 20050256)
Funding Agency: Amgen
Effective Dates: October 22, 2008-September 24, 2011 (ongoing)
Role: Site Principal Investigator
Award Amount till date: \$19,158, Direct \$15,326, Indirect \$3,832
- 2007-2010 Title: A Randomized, Double-Blind, Parallel, Placebo- or Amlodipine-Controlled Study of the Effects of Losartan on Proteinuria in Pediatric Patients With or Without Hypertension
Grant Number: MK-954-326
Funding Agency: Merck
Effective Dates: November 9, 2007 to November 8, 2010
Role: Site Principal Investigator
Award Amount: \$4,000, Direct \$3,200, Indirect \$800
- 2007-2010 Title: Comparison of the Safety and Efficacy of three Venofer® Iron Maintenance Regimens in Pediatric Chronic Kidney Disease Patients
Grant Number: 1VEN03017
Funding Agency: Luitpold
Effective Dates: July 2, 2007 to May 23, 2010
Role: Site Principal Investigator
Award Amount: \$14,500, Direct \$11,600, Indirect \$2,900
- 2007-2010 Title: (CTOT-2) “B-cell depletion by anti-CD20 (Rituximab) in renal allograft recipients who develop de novo anti-HLA antibodies”
Grant number 1U01 AI37206
Funding Agency: National Institutes of Health/National Institute of

Allergy and Infectious Diseases

Effective Dates: March 1, 2007 to Feb 28, 2010

Role: Co-Investigator on grant submission and Site Principal Investigator on awarded study (6 site consortium called CCTPT, Harmon, PI)

Total award amount: \$4,021,373 (includes later CTOTC award)

Award Amount to UF: \$103,774, Direct \$72,660, Indirect \$ 31,114 (inclusive of salary support to PI and coordinator)

2005- Title: North American Pediatric Renal Transplant Cooperative Studies
Funding agency: NAPRTCS
Grant # N/A
Effective dates: Sept 10, 2004 to April 2, 2011
Role: Site Principal Investigator
Award Amount: Total \$9,225, Direct \$ 7,380, Indirect \$ 1,845
Voluntary multicenter registry of end stage renal disease in children

2005-07 Title: Pediatric Transplant Infections and Outcomes
Funding Agency: National Institutes of Digestive, Diabetes and Kidney Diseases, (NIDDK), NIH
Grant number: 1 R21 DK069535-01
Effective Dates: 7/1/05 to 6/30/07
Role: Principal Investigator (Dharnidharka, PI)
Award Amount: \$254,625 (inclusive of salary support to PI)
Several publications emanated from this funded study of large national databases, looking at outcomes after major infectious complications after transplantation.

2004-2010 Title: (SNS01) "A Randomized, Multi-Center Comparative Trial of Tacrolimus with Steroids and Standard Daclizumab Induction Versus a Novel Steroid-Free Tacrolimus Based Immunosuppression Protocol with Extended Daclizumab Induction in Pediatric Renal Transplantation"
Funding Agency: National Institutes of Health/National Institute of Allergy and Infectious Diseases, Grant # U01 AI55795-02
Effective Dates: June 1, 2004-December 15, 2010
Role: Co-Investigator and site PI (Salvatierra, PI)
Total grant amount: \$5,248,777
Award Amount received at University of Florida: \$211,333, Direct \$169,067, Indirect \$42,266
Description: This national multi-center randomized controlled study of steroid-free immunosuppression study was successfully completed in 2009, 4 papers published in high-impact journals, we were the 4th largest enroller nationally.

- 2004-2008 Title: Chronic Kidney Disease in Children
Funding Agency: National Institutes of Digestive, Diabetes and Kidney Diseases, Grant # 5 U01 DK066174-02
Effective Dates: August 1, 2004 to July 31, 2008
Role: Co- Investigator and Site PI (Furth and Warady, PIs)
Total grant amount: \$3,585,312
Award Amount received at University of Florida: \$21,020, Direct \$16,816, Indirect \$4,204
The original study met its enrollment goal of 600 children, several manuscripts published from the initial visit data, the NIH renewed the study subsequently.
- 2001-2002 Title: Induction of Islet Transplant Tolerance in NOD Mice by Selective Apoptosis of Activated T Cells
Funding Agency: Children's Miracle Network Fall Awards, Grant # 2000F-003
Effective Dates: January 31st, 2001 to February 28, 2002
Role: Principal Investigator
Award Amount: \$20,000
- 2000-2001 Title: The detection of early renal dysfunction in Type I Diabetes Mellitus by correlation of macrophage prostaglandin production and renal hyperfiltration
Funding Agency: Juvenile Diabetes Foundation, Innovative Grant # 5-2000- 859
Effective Dates: September 1st, 2000 to March 31st, 2002
Role: Principal Investigator
Award Amount: \$55,000
- 1999-2000 Title: Genetic mechanisms for immunopathogenesis of Type I Diabetes
Funding Agency: Howard Hughes Research Resources Project, Core Facilities Grant
Effective Dates: April 1999 to October 2000
Role: Principal Investigator
Award Amount: \$2000
- 1999-2000 Title: Genetic mechanisms for immune defects leading to diabetes mellitus
Funding Agency: Howard Hughes Research Resources Project, Pilot Project Funding
Effective Dates: June 1999 to October 2000
Role: Principal Investigator
Direct Costs: \$20,000.00
Indirect Costs: None

Total Award: \$20,000

1994-95

Title: Prevalence of microalbuminuria in children with sickle cell disease
Funding Agency: Fund for Medical Research and Education, Children's Hospital of Michigan
Effective Dates: January 1994 to June 1995
Role: Principal Investigator
Award Amount: \$2500

Patent Applications:

Dharnidharka VR, Clare-Salzler MJ. Materials And Methods For Identifying And Treating Individuals At Risk For Developing Complications of Diabetes (Docket# UF-334P, UF# 10891), filed 8/29/02. Provisional application (No. 60/407,150) expired, upon which a U.S. application (10/652,216) and a PCT application (No. PCT/US03/27353) were filed on August 29, 2003. All patent applications related to this technology were abandoned by University of Florida in 2007.

Significance: Development of urine and blood tests that could predict which patients with diabetes are at risk for kidney involvement and help reverse the at risk profile. Since diabetes is the most frequent reason for kidney failure in the USA, such a test could help prevent development of kidney complications.

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Original Peer Reviewed Publications: (*italicized authors were trainees, underlined is corresponding author*)

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- Warady BA; **CKiD investigators**. Development of an adaptive clinical web-based prediction tool for kidney replacement therapy in children with chronic kidney disease *Kidney Int*. epublished Jun 28 2023, print version:S0085-2538(23)00474-X. PMID: 37391041
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2. **Dharnidharka VR**, Walther L, Agarwal M, Goss CW, for the PTLD-MSMS group. Outcome Characteristics By Organ Involvement Or Non-destructive Type In A Large 3 Center Cohort Of Post-transplant Lymphoproliferative Disorders (PTLD). American Transplant Congress, San Diego, June 2023 (Oral presentation).
3. Dandamudi R, Jaza L, Walther L, Sulejmani N, Xu H, Woodward R, **Dharnidharka VR**. Utility Of a Blood Gene Expression Profiling Score (AlloMap) To Predict Rejection Events in Pediatric Kidney Transplant Recipients. American Transplant Congress, San Diego, June 2023 (Oral presentation).
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30. Dandamudi R, Gu H, Goss C, Gula H, Wylie K, Walther L, **Dharnidharka V**. Longitudinal Studies of Blood Anellovirus DNA Prior

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40. Butler AM, Durkin M, Keller M, **Dharnidharka VR**, Powderly W, Olsen M. Comparative Safety Of Antibiotic Therapy For Outpatient Treatment Of Urinary Tract Infections. 36th International Conference on Pharmacoepidemiology and Therapeutic Risk Management (ICPE), Berlin, September 2020 (virtual meeting due to COVID19 pandemic)
41. McGrath L, Leyton B, Sahrman J, **Dharnidharka VR**, O'Neill C, Butler AM. Utilization Of A Booster Dose Of Influenza Vaccine Among Adults With End-stage Renal Disease In The United States. 36th International Conference on Pharmacoepidemiology and Therapeutic Risk Management (ICPE), Berlin, September 2020 (virtual meeting due to COVID19 pandemic)
42. Leyton B, McGrath L, Ma Y, Sahrman J, **Dharnidharka VR**, O'Neill C, Weber DJ, Butler AM. Comparative Safety Of High-dose Versus Standard-dose Influenza Vaccination In Patients With End-stage Renal Disease. 36th International Conference on Pharmacoepidemiology and Therapeutic Risk Management (ICPE), Berlin, September 2020 (virtual meeting due to COVID19 pandemic)
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45. Jagadeesh D, Tsai DE, Wei W, Bustamante JA, Wagner-Johnston ND, Berg S, Kim SH, Reddy NM, Sriram D, Portell C, Ghione P, Voorhees T, Kamdar MK, Koff JL, **Dharnidharka VR**, Evens AM. Post-transplant lymphoproliferative disorder (PTLD) after solid organ transplant (SOT): A multicenter real world analysis (RWA) of 877 patients (pts) treated in the modern era. Annual Meeting American Society Clinical Oncology (meeting held virtually due to COVID19 pandemic), Journal of Clinical Oncology 38, no. 15_suppl. Published online May 25, 2020.Doi: 10.1200/JCO.2020.38.15_suppl.e20026
46. *Dandamudi R*, Vyas N, Hmiel SP, **Dharnidharka VR**. Performance of the various serum creatinine-based GFR equations in pediatric kidney transplant recipients, stratified by age and CKD staging. Pediatric Academic Societies meeting May 2020, Philadelphia (Meeting cancelled due to COVID19 pandemic)
47. *Dandamudi R*, Vyas N, Hmiel SP, **Dharnidharka VR**. Subclinical Viral Replications Lead to Reduction in 1 Year Estimated Glomerular Filtration Rate (eGFR) in Pediatric Kidney Transplant (pKTx) Recipients. Pediatric Academic Societies meeting May 2020, Philadelphia (Meeting cancelled due to COVID19 pandemic)
48. *Dandamudi R*, Vyas N, Hmiel SP, **Dharnidharka VR**. The creeping creatinine in a growing child with a kidney transplant: Can using absolute uncorrected GFR values separate age effects from progressive graft dysfunction? Pediatric Academic Societies meeting May 2020, Philadelphia (Meeting cancelled due to COVID19 pandemic)
49. Gluck C, Eckrich D, McCahan S, Dixon BP, Flynn JT, Smoyer W, **Dharnidharka V**, Mitsnefes M, Somers MJ, Furth S, Razzaghi H, Bailey LC, Forrest CB, Zaritsky J, Croziell A, Crowgey E, Denburg M, Jurkowitz C. Utilizing PEDSnet to describe clinical phenotypes associated with genetic forms of steroid resistant nephrotic syndrome. Pediatric Academic

Societies meeting May 2020, Philadelphia (Meeting cancelled due to COVID19 pandemic)

50. Goodwin Davies AJ, Razzaghi H, Bailey LC, Meloni S, Utidjian LH, Gluck C, Eckrich D, Dixon BP, Deakyne Davies SJ, Flynn JT, Ranade D, Smoyer W, Kitzmiller MM, **Dharnidharka V**, Magnusen B, Mitsnefes M, Somers MJ, Claes D, Burrows E, Furth S, Forrest C, Denburg M. Skeletal Outcomes in Children and Young Adults with Glomerular Disorders. Pediatric Academic Societies meeting May 2020, Philadelphia (Oral presentation) (Meeting cancelled due to COVID19 pandemic)
51. Renganathan A, Warner BB, Tarr PI, **Dharnidharka VR**. Serum creatinine and cystatin C concentrations near NICU discharge in very low birth weight infants. Pediatric Academic Societies meeting May 2020, Philadelphia (Meeting cancelled due to COVID19 pandemic)
52. Renganathan A, Warner BB, Tarr PI, **Dharnidharka VR**. The Kinetics of Serum Cystatin C Concentrations within the First Month of Life after Preterm Birth – a Worldwide Systematic Review. Pediatric Academic Societies meeting May 2020, Philadelphia (Meeting cancelled due to COVID19 pandemic)
53. *Dandamudi R*, Galbiati S, Martz K, Hmiel SP, **Dharnidharka VR**, Kakajiwala AK. Impact of Dialysis-Adequacy on Morbidity in Children on Chronic Hemodialysis: A NAPRTCS Report. 18th Congress of the International Pediatric Nephrology Association, October 2019, Venice (Oral presentation)
54. *Dandamudi R*, Vyas N, Hmiel SP, **Dharnidharka VR**. Validating Serum Creatinine-Based Estimating Equations Compared to Measured Glomerular Filtration Rate after Kidney Transplantation. 18th Congress of the International Pediatric Nephrology Association, October 2019, Venice (Oral presentation)
55. Butler AM, Layton JB, **Dharnidharka VR**, Sahrmann JM, Weber DJ, McGrath LJ. Comparative effectiveness of high-dose versus standard dose influenza vaccine among patients on chronic hemodialysis. Accepted to the International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Philadelphia, PA, August, 2019.
56. Jagadeesh D, Tsai D, Wei W, Wagner-Johnston N, Xie E, Berg S, Smith SE, Koff JL, Barot S, Hwang D, Kim S, Venugopal P, Fenske T, Sriram D, David K, Santapuram P, Reddy N, **Dharnidharka V**, Evens A. Post-transplant lymphoproliferative disorders after solid organ transplantation: survival and prognostication among 570 patients in the modern era.

International Conference on Malignant Lymphoma, June 2019, Lugano Switzerland (Oral presentation)

57. **Dharnidharka VR**, Axelrod DA, Zhang Z, Schnitzler M, Lentine KL. Risk Factors for 1-5 Year Major Infection Events (MIE) after Kidney Transplant (KTx) Including First-Year Immunosuppression (IS) Data: An Analysis of the Choosing Immune Suppression in Renal Transplantation by Efficacy and Morbidity (CISTEM) Study, American Transplant Congress, June 2019, Boston (Oral presentation)
58. **Dharnidharka VR**, Axelrod DA, Zhang Z, Schnitzler M, Lentine KL. Risk Factors for 1-5 Year De Novo Cancers after Kidney Transplant (KTx) with First-Year Immunosuppression (IS) Data: An Analysis of the Choosing Immune Suppression by Efficacy and Morbidity (CISTEM) Study, American Transplant Congress, June 2019, Boston (Oral presentation)
59. **Dharnidharka VR**, Cramer C, Chua A, Moudgil A, Martz K, Blydt-Hansen T, Smith J, on behalf of the NAPRTCS Investigators. Increase in 48 Month Cumulative Acute Rejection Rates in the Most Recent Cohort: The 2018 Transplant Report of the North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS), Pediatric Academic Societies annual meeting, April 2019, Baltimore (Oral presentation)
60. **Dharnidharka VR**, Chua A, Cramer C, Moudgil A, Martz K, Blydt-Hansen T, Smith J, on behalf of the NAPRTCS Investigators. Steadily Dropping Malignancy Rates after Pediatric Kidney Transplantation Have Now Reversed in the Most Recent Era: A Report of the North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS), Pediatric Academic Societies annual meeting, April 2019, Baltimore
61. Butler AM, Keller MR, Durkin MJ, **Dharnidharka VR**, Liu L, Powderly WG, Olsen MA. Comparative effectiveness of antibiotic therapy for the outpatient treatment of urinary tract infections among otherwise healthy, premenopausal women. Association for Clinical and Translational Science, Washington, DC, March, 2019.
62. Butler AM, Keller MR, Durkin MJ, **Dharnidharka VR**, Olsen MA. Comparative effectiveness of antibiotic therapy for the outpatient treatment of urinary tract infections among otherwise healthy, premenopausal women. IDWeek, San Francisco, CA, October 2018.

63. Butler AM, Keller MR, Durkin MJ, **Dharnidharka VR**, Olsen MA. Comparative effectiveness of antibiotic therapy for the treatment of urinary tract infections. International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Prague, Czech Republic, August 2018.
64. Yamout H, Ouseph R, Schnitzler M, Xiao H, **Dharnidharka VR**, Naik A, Lam N, Koraishy F, Randall H, Brennan D, Segev D, Kasiske B, Hess G, Lentine K. Antihypertensive Medication Use after Kidney Transplant: Practice Variation and Clinical Outcomes. American Transplant Congress, Seattle, USA, June 2018 (Oral presentation)
65. Lentine K, Alhamad T, Lam N, Naik A, Koraishy F, Randall H, Segev D, **Dharnidharka VR**, Brennan D, Kasiske B, Ouseph R, Schnitzler M. Cannabis Dependence or Abuse before and after Kidney Transplantation: Implications for Post-Transplant Outcomes. American Transplant Congress, Seattle, USA, June 2018 (Oral presentation)
66. Lentine K, Axelrod D, **Dharnidharka VR**, Xiao H, Brennan D, Segev D, Randall H, Ouseph R, Naik A, Lam N, Alhamad T, Kasiske B, Hess G, Schnitzler M. Cost Impacts of Alternative Kidney Transplant Immunosuppression: A National Cohort Study. American Transplant Congress, Seattle, USA, June 2018 (Oral presentation)
67. Ouseph R, Lentine K, Zhang Z, Axelrod D, Randall H, Kasiske B, Israni A, **Dharnidharka V**, Alhamad T, Brennan D, Segev D, Hess G, Schnitzler M. Insulin Use after Pancreas Transplant: Implications for Post-Transplant Outcomes. American Transplant Congress, Seattle, USA, June 2018
68. Koraishy F, Vest L, Zhang Z, Schnitzler M, **Dharnidharka V**, Axelrod D, Ouseph R, Naik A, Lam N, Randall H, Alhamad T, Segev D, Brennan D, Kasiske B, Hess G, Lentine K. Metformin Use after Kidney Transplantation: A Safe Option in Carefully Selected Patients. American Transplant Congress, Seattle, USA, June 2018 (Oral presentation)
69. Lam N, Schnitzler M, Axelrod D, **Dharnidharka V**, Segev D, Naik A, Xiao H, Ouseph R, Randall H, Hess G, Kasiske B, Brennan D, Alhamad T, Lentine K. Outcome Implications of Benzodiazepines and Opioid Co-Prescriptions before Kidney Transplantation. American Transplant Congress, Seattle, USA, June 2018 (Oral presentation)
70. Lentine K, Axelrod D, Bloom R, Xiao H, Segev D, Alhamad T, Randall H, Ouseph R, **Dharnidharka V**, Brennan D, Lam N, Naik A, Hess

- G, Kasiske B, Schnitzler M. Use of Hepatitis-C Treatments after Kidney Transplantation: Impact of the Direct-Acting Antiviral Era. American Transplant Congress, Seattle, USA, June 2018 (Oral presentation)
71. *Choudhry S*, Hosek KE, Denfield SW, Price JF, Cabrera AG, Tunuguntla HP, **Dharnidharka VR**, Canter CE, Dreyer WJ. A New Combined Model for End-Stage Liver Disease Excluding INR (CMELD-XI) Score Better Predicts Pediatric Heart Transplant Outcomes. 38th Annual Meeting of International Society Heart and Lung Transplantation. Nice, France, April 2018
 72. Ali M, Gu H, Goss C, **Dharnidharka VR**, Ruzinova MB. pSTAT3 is superior to c-Myc in predicting prognosis in post-transplant diffuse large B cell lymphoma. United States & Canadian Academy of Pathology's 107th Annual Meeting, Vancouver, Canada, March 2018
 73. Denburg M, Zaritsky J, Flynn JT, Mitsnefes M, Benton MJ, Mariani LH, Forrest CB, Furth SL, Bailey C, Razzaghi H, Sorzano D, Pollack A, Claes DJ, **Dharnidharka VR**, Smoyer WE, Somers MJ. Development and Validation of an EHR-based Computable Phenotype to Rapidly Identify Glomerular Disease in Large Populations. American Society of Nephrology annual meeting, New Orleans, Nov 2017 (oral presentation)
 74. *Barton KT*, Kakajiwalla A, Dietzen D, Goss CW, Gu H, **Dharnidharka VR**. Using KDIGO Criteria, Beta-2 Microglobulin Predicts the Development of Acute Kidney Injury (AKI). American Society of Nephrology annual meeting, New Orleans, Nov 2017 (oral presentation)
 75. Moudgil A, **Dharnidharka VR**, Feig, DI, Wardhaw BA, Perera V, Murthy B. Roberts, ME, Polinsky MS. Ettenger RB. Single-Dose Pharmacokinetics, Pharmacodynamics, and Safety of Belatacept in Adolescent Kidney Transplant Recipients. American Society of Nephrology annual meeting, New Orleans, Nov 2017
 76. Lentine KL, Alhamad T, Ngam L, Naik AS, Korashy FM, Axelrod DA, Segev DL, Brennan DC, **Dharnidharka VR**, Schnitzler MA. Cannabis Dependence or Abuse Before and After Kidney Transplantation: Implications for Post-Transplant Outcomes. American Society of Nephrology annual meeting, New Orleans, Nov 2017
 77. Lentine KL, Ngam L, Segev DL, Kasiske BL, Brennan DC, **Dharnidharka VR**, Schnitzler MA. Prescription Opioid Before and After Kidney Transplant: Implications for Post-transplant Outcomes. American Society of Nephrology annual meeting, New Orleans, Nov 2017

78. Ashoor I, Martz K, Beyl R, **Dharnidharka VR**. Reassessing Thymoglobulin Induction in Kidney Transplantation (RETHINK): An Analysis of the Scientific Registry of Transplant Recipients (SRTR). American Society of Nephrology annual meeting, New Orleans, Nov 2017
79. *Cates C, Crawford B*, Lin J, Robinson N, Davis TK, **Dharnidharka VR**, Hesemann LE. Racial disparities in treatment of hypertension. American Society of Nephrology annual meeting, New Orleans, Nov 2017
80. Lentine KL, Naik AS, Ouseph R, Zhang Z, Axelrod DA, Segev DL, **Dharnidharka VR**, Brennan DC, Randall H, Gadi R, Lam NN, Hess GP, Kasiske BL and Schnitzler MA. Antidepressant Medication Use Before and After Kidney Transplant: Implications for Post-Transplant Outcomes (Oral presentation) American Transplant Congress: Chicago IL USA; April 2017
81. **Dharnidharka VR**, Naik AS, Alhamad T, Axelrod DA, Schnitzler MA, Zhang Z, Bae S, Brennan DC, Segev DL, Randall H, Nazzal M, Ouseph R, Kasiske BL and Lentine KL. National Variation in U.S. Kidney Transplant Induction Therapy American Transplant Congress: Chicago IL USA; May 2017
82. Lentine KL, Lam NN, Segev DL, Axelrod DA, Zhang Z, Xiao H, Hess GP, Kasiske BL, Gadi R, Devraj R, Brennan DC, **Dharnidharka VR**, Randall H and Schnitzler MA. Prescription Opioid Before and After Kidney Transplant: Implications for Post-Transplant Outcomes (Oral presentation) American Transplant Congress: Chicago IL USA; May 2017
83. Foster B, Pai A, Furth S, for the TAKE-IT Investigators. The TAKE-IT intervention improves medication adherence in adolescent kidney transplant recipients (Oral presentation) American Transplant Congress: Chicago, IL, USA; May 2017
84. **Dharnidharka VR**, Chen R, Ruzinova M, Param P, O'Gorman H, Storch G, Wylie K. Presence Of Anellovirus Nucleic Acid Sequences In Involved Tissue Is Associated With Worse Patient Survival In Post-Transplant Lymphoproliferative Disorder (Oral presentation) American Transplant Congress: Chicago, IL, USA; May 2017
85. Ashoor I, Martz K, Beyl R, **Dharnidharka VR**. Reassessing Thymoglobulin Induction in Kidney Transplantation (RETHINK): An Analysis of the North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS) Registry (Oral presentation) American Transplant

Congress: Chicago IL USA; May 2017

86. *Orandi AB, Dharnidharka VR, Baszis KW.* Clinical features and frequency of biologic use in juvenile dermatomyositis-associated calcinosis. Analysis of the CARRAnet Legacy Registry. American College of Rheumatology Pediatric Rheumatology Symposium, Houston USA, May 2017
87. *Choudhry S, Castleberry CD, Dharnidharka VR, Goss C, Simpson K, Schechtman K, Canter CE.* End Stage Renal Disease After Pediatric Heart Transplantation: A 25-Year National Cohort Study. American Heart Association Annual Meeting November 2016, New Orleans (Oral presentation and Travel award to first author)
88. *Lentine K, Naik A, Schnitzler M, Axelrod D, Chen J, Brennan D, Segev D, Kasiske B, Randall H, Dharnidharka V.* Variation in Co-Medication Use According to Kidney Transplant Immunosuppressive Regimen: Application of Integrated Registry and Pharmacy Claims Data. American Transplant Congress, Boston June 2016 *Am J Transplant.* 2016;16 (suppl 3);229A. (Oral presentation)
89. *Alhamad T, Brennan D, Brifkani Z, Xiao H, Schnitzler M, Dharnidharka V, Axelrod D, Segev D, Lentine K.* Association of Pre-Transplant Midodrine Use and Complications After Kidney Transplantation. American Transplant Congress, Boston June 2016 *Am J Transplant.* 2016;16 (suppl 3);927A. (Oral presentation)
90. *Bouquemont J, Foster B, The TAKE-IT Investigators* Adherence Patterns in Adolescent and Young Adult Kidney Transplant Recipients. American Transplant Congress, Boston June 2016 *Am J Transplant.* 2016;16 (suppl 3);140A. (Oral presentation)
91. *Bignall II O, Pai A, Amaral S, Furth S, Bergman N, Goebel J, The TAKE-IT Study Investigators, Foster B.* Differences in Reported Barriers to Immunosuppression Adherence Among a Cohort of Pediatric Renal Transplant Recipients from the United States and Canada. American Transplant Congress, Boston June 2016 *Am J Transplant.* 2016;16 (suppl 3);547A.
92. *Orandi AB, Baszis KW, Dharnidharka V, Hoeltzel MF.* Assessment, Classification and Treatment of Calcinosis as a Complication of Juvenile Dermatomyositis: A survey of pediatric rheumatologists by the Childhood Arthritis and Rheumatology Research Alliance. Proceedings of the 2016 CARRA Scientific Meeting. *Pediatr Rheumatol.* 2016. 14(Suppl 1):P22.

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93. Kaddourah A, Basu R, Goldstein SL, on behalf of the (Assessment of worldwide acute kidney injury, renal angina and epidemiology in critically ill children (**AWARE**) **study investigators**. The epidemiology and outcome of worldwide acute kidney injury in critically ill children. American Society of Nephrology annual meeting, San Diego, Nov 2015 (oral presentation)
94. Lentine KL, Naik AS, Schnitzler M, Axelrod DA, Chen J, Brennan DC, Segev DL, Kasiske BL and **Dharnidharka VR**. Variation in Co-Medication Use According to Kidney Transplant Immunosuppressive Regimen: Application of Integrated Registry and Pharmacy Claims Data. American Society of Nephrology annual meeting, San Diego, Nov 2015
95. Alhamad T, Brennan DC, Brifkani Z, Schnitzler M, **Dharnidharka VR** and Lentine KL. Pre-Transplant Midodrine Use: A Newly Identified Risk Marker for Complications After Kidney Transplantation. American Society of Nephrology annual meeting, San Diego, Nov 2015
96. Lentine KL, Schnitzler MA, Axelrod D, Segev DL, Brennan DC, Tuttle-Newhall JE, Xiao H, Kucirka L, **Dharnidharka VR**. The Economic Impact of Nonimmune Complications in Contemporary Kidney Transplantation. American Transplant Congress, Philadelphia, May 2015. (Oral presentation)
97. Lentine KL, Lam NN, Xiao H, Tuttle-Newhall JE, Axelrod D, Brennan DC, **Dharnidharka VR**, Yuan H, Nazzal M, Zheng J, Schnitzler MA. Associations of Pre-transplant Prescription Narcotic Use with Clinical Complications after Kidney Transplantation. American Transplant Congress, Philadelphia, May 2015. (Oral presentation)
98. Foster BJ, Dahhou M, Zhang X, **Dharnidharka VR**, Ng V, Conway J. Association between age and graft failure rates in young heart transplant recipients. American Transplant Congress, Philadelphia, May 2015
99. Foster BJ, Dahhou M, Zhang X, **Dharnidharka VR**, Ng V, Conway J. Association between age and graft failure rates in young liver transplant recipients. American Transplant Congress, Philadelphia, May 2015
100. **Dharnidharka VR**, Hesemann LE, Mitsios J, O’Gorman H, Gunasekaran M, Dietzen D, Mohanakumar T. The association of systemic indoleamine 2,3 dioxygenase (IDO) activity simultaneous with chronic rejection on allograft kidney biopsy. American Transplant Congress, Philadelphia, May

2015

101. *Kulsum-Mecchi N, Kozel B, Garbutt J, **Dharnidharka VR**. Effect of obesity and hypertension on pulse wave velocity in kids. Pediatric Academic Societies annual meeting, San Diego, April 2015.*
102. *Ashoor IF and **Dharnidharka VR**. Reproductive Health Counseling In Adolescent Renal Transplant Recipients: Perceptions and Practice Patterns. A Midwest Pediatric Nephrology Consortium Study. International Pediatric Transplant Association (IPTA) 8th Congress on Pediatric Transplantation 2015, San Francisco, USA.*
103. *Ashoor IF and **Dharnidharka VR**. Sexually Transmitted Infection Screening and Counseling In Adolescent Renal Transplant Recipients: Perceptions And Practice Patterns. A Midwest Pediatric Nephrology Consortium Study. International Pediatric Transplant Association (IPTA) 8th Congress on Pediatric Transplantation 2015, San Francisco, USA*
104. ***Dharnidharka VR**, Zheng J, Schnitzler MA, Brennan DC, Axelrod D, Segev DL, Schechtman KB and Lentine KL. Differential Risks For 3-Year Adverse Outcomes After Kidney Transplant Based On Initial Immunosuppression And Incorporating Claims Data Records: A National Study. World Transplant Congress (Joint Meeting of American Society of Transplantation, American Society of Transplant Surgeons and The Transplantation Society, July 2014, San Francisco. (Poster of Distinction)*
105. *Seifert ME, Gunasekharan M, Chisti A, Chiang M, Seleweski D, Gipson D, **Dharnidharka VR**, Mohanakumar T. Antibodies to self-antigens fibronectin and collagen type IV are associated with phenotype of chronic rejection in pediatric kidney transplantation. World Transplant Congress (Joint Meeting of American Society of Transplantation, American Society of Transplant Surgeons and The Transplantation Society, July 2014, San Francisco. (Poster of Distinction)*
106. *Maliakkal JG, Chen H, Fong DK, Agarwal N, Zheng J, Horwedel T, Brennan DC, **Dharnidharka VR**. Ureteral stent placement increases the risk of BK viremia in the first year after kidney transplantation: a validation study. World Transplant Congress (Joint Meeting of American Society of Transplantation, American Society of Transplant Surgeons and The Transplantation Society, July 2014, San Francisco. (Poster of Distinction)*
107. *Lentine KL, Tuttle-Newhall JEB, Axelrod D, Brennan DC, **Dharnidharka VR**, Schnitzler MA. Quantifying prognostic impact of*

prescription narcotics use before kidney transplantation through linked registry and pharmaceutical claims data. World Transplant Congress (Joint Meeting of American Society of Transplantation, American Society of Transplant Surgeons and The Transplantation Society, July 2014, San Francisco. (Poster of Distinction)

108. *Hesemann LE, Subramaniam V, Mohanakumar T, **Dharnidharka VR**. De Novo Development of Kidney-Specific Autoantibodies Occurs Within the First Year After Kidney Transplantation in Children. Pediatric Academic Societies and Asian Society for Pediatric Research Joint meeting, May 2014, Vancouver, Canada.*
109. Schwartz GJ, Schneider MF, Rodenbach K, **Dharnidharka VR**, Weaver DJ, Fathallah-Shaykh SA, Moxey-Mims MM, Warady BA, Furth SL, Mitsnefes M. Hyperuricemia Is Associated with Hypertension and Progression of Chronic Kidney Disease in Children. American Society of Nephrology Annual meeting, Atlanta, November 2013
110. Lentine KL, Axelrod DA, Brennan DC, **Dharnidharka VR**, Schnitzler M. Associations of Pre-Transplant Narcotics Use with Death and Graft Loss after Kidney Transplantation. American Society of Nephrology Annual meeting, Atlanta, November 2013
111. *Anyaeibu EI, Zheng J, Hmiel SP, **Dharnidharka VR**. Significance of Non-dipping Blood Pressure Profile on Renal Allograft Function. American Transplant Congress 2013, Seattle, May 2013*
112. Simpkins C, Lentine K, Xiao H, Schnitzler M, Tuttle-Newhall JE, Segev D, **Dharnidharka VR**, Brennan D, Axelrod D. The Economic and Clinical Consequences of ABO Incompatible Kidney Transplantation: A National Database Study. American Transplant Congress 2013, Seattle, May 2013 (Oral presentation)
113. Lentine K, Axelrod D, Simpkins C, Xiao H, Schnitzler M, Tuttle-Newhall JE, **Dharnidharka VR**, Brennan D, Segev D. Early Complications after ABO Incompatible Kidney Transplantation: A National Database Study. American Transplant Congress 2013, Seattle, May 2013 (Oral presentation)
114. Chaudhuri A, Ozawa M, Everly M, Ettenger RE, **Dharnidharka VR**, Benfield M, Mathias R, Portale A, McDonald R, Harmon W, Kershaw D, Vehaskari VM, Kamil E, Baluarte HJ, Warady BA, Sigdel T, Hsieh S, Hong D, Naessens M, Waskerwitz J, Salvatierra O, Terasaki PI, Sarwal MM. Evolution and role of humoral immunity in pediatric renal

- transplantation. American Transplant Congress 2013, Seattle, May 2013 (Oral presentation)
115. *Hashim F, Dharnidharka VR.* Short versus extended term valganciclovir prophylaxis for cytomegalovirus infection in pediatric kidney transplant. Pediatric Academic Societies annual meeting, Washington DC, USA, May 2013
 116. *Hashim F, Gregg JA, Rehman S, Dharnidharka VR.* Ureteral stent placement increases the risk for developing BK viruria and viremia after kidney transplantation. National Kidney Foundation Spring 2013 annual meeting, Orlando USA, April 2013
 117. *Anyaeibu E, Zheng J, Hmiel SP, Dharnidharka VR.* Drop in allograft function (AF) associates with drop in bone mineral density (BMD) Z-score in pediatric renal transplant recipients (PTxR). National Kidney Foundation Spring 2013 annual meeting, Orlando USA, April 2013
 118. *Poudel A, Slayton W, Lew J, Dharnidharka VR.* Disseminated Bartonella Henselae Infection Inducing Hemophagocytic Lymphohistiocytosis in a Kidney Transplant Recipient. American Society of Nephrology annual meeting, November 2012, San Diego.
 119. *Moudgil A, Martz K, Moore T, Harmon WE, Dharnidharka VR.* Significance of Persistent EBV Viral Load in Pediatric Renal Transplant Recipients. American Transplant Congress 2012, Boston, June 2012, abstract 445. Oral presentation
 120. *Al Khasawneh E, Gupta S, Shahlaee A, Theriaque DW, Garrett TJ, Dharnidharka VR.* Immune biomarker panel, measuring both extremes of immunosuppression, associate with acute rejection or major infection events. Annual meeting of Pediatric Academic Societies, Boston, April-May 2012
 121. *Al Khasawneh E, Gupta S, Shahlaee A, Tuli SY, Garrett TJ, Dharnidharka VR.* Stable Pediatric Kidney Transplant Recipients Run Higher Urine Indoleamine 2,3 Dioxygenase (IDO) Levels Than Healthy Children. Annual meeting of Pediatric Academic Societies, Boston, April-May 2012
 122. *Moudgil A, Martz K, Harmon WE, Moore T, Dharnidharka VR.* Significance of Persistent Asymptomatic EBV Viral Load in Pediatric Renal Transplant (TX) Recipients. 44th Annual Meeting of the American Society of Nephrology, November 2011, Philadelphia, USA (Oral presentation).

123. *Ali A, Guo J, Ahn H-C, Shuster J, Dharnidharka VR.* Outcomes of Late Corticosteroid Withdrawal after Renal Transplantation in Patients Exposed to Tacrolimus and/or Mycophenolate Mofetil: A Meta-Analysis of Randomized Controlled Trials. *The AAPS Journal*. October 2011;13(S2).
124. *Al Khasawneh E, Dharnidharka VR.* Regular viral surveillance can prevent full blown viral disease in pediatric kidney transplant recipients. 6th Congress of the International Pediatric Transplantation Association, Montreal, June 2011. Abstract *Pediatric Transplantation* 2011;15:286A
125. **Dharnidharka VR,** Moudgil A, Lamb KE, Gregg JA, Meier-Kriesche HU. The Share 35 kidney allograft is associated with higher cumulative graft failure than a living donor: an initial analysis of OPTN data. American Transplant Congress 2011, Philadelphia, April-May 2011 (Oral presentation). Abstract *American Journal of Transplantation* 2011;11:391A
126. Kasiske BL, Kukla A, Thomas D, Wood-Ives J, Snyder J, Qui Y, Peng Y, **Dharnidharka VR,** Israni AK. Lymphoproliferative Disorders After Kidney Transplantation: Epidemiology and Comparison of Two Data Sources. American Transplant Congress 2011, Philadelphia, April-May 2011 (Oral presentation). Abstract *American Journal of Transplantation* 2011;11:238A
127. **Dharnidharka VR,** Lamb KE, Gregg JA, Meier-Kriesche HU. Recipient Epstein-Barr seronegativity is still significantly associated with risk for post-transplant lymphoproliferative disorders after liver transplant, though less so compared to heart or kidney transplants. American Transplant Congress 2011, Philadelphia, April-May 2011. Abstract *American Journal of Transplantation* 2011;11:1641A
128. **Dharnidharka VR,** Lamb KE, Lodhi S, Gregg JA, Meier-Kriesche HU. Long term allograft survival attrition rates have not improved in pediatric kidney transplantation in the United States; a national registry analysis. American Transplant Congress 2011, Philadelphia, April-May 2011. (Poster of distinction). Abstract *American Journal of Transplantation* 2011;11:1578
129. **Dharnidharka VR,** Lamb KE, Lodhi S, Gregg JA, Meier-Kriesche HU. Long term allograft survival in pediatric heart, lung and liver transplantation in the United States; a national registry analysis. American Transplant Congress 2011, Philadelphia, April-May 2011.(Oral presentation). Abstract *American Journal of Transplantation*

2011;11:212A

130. **Dharnidharka VR**, Lamb KE, Lodhi S, Gregg JA, Meier-Kriesche HU. Adolescent age recipients of heart, liver or kidney transplants have significantly worse long-term allograft outcomes than younger age children: a national registry analysis. American Transplant Congress 2011, Philadelphia, April-May 2011. Abstract *American Journal of Transplantation* 2011;11:1579A
131. *Al Khasawneh E, Gupta S, Shahlaee A, Shuster JJ, Theriaque D, Garrett T, Dharnidharka VR.* Immune biomarker panel monitoring utilizing IDO enzyme activity and CD4ATP levels: prediction of both extremes of immunosuppression - acute rejection or viral replication events. American Transplant Congress 2011, Philadelphia, April-May 2011. Abstract *American Journal of Transplantation* 2011;11:1255A
132. Araya CE, **Dharnidharka VR**. Does rituximab usage improve the likelihood of recurrent FSGS response? 43rd Annual Meeting of the American Society of Nephrology, November 2010, Denver, USA.
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