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Susan L. Furth, M.D., Ph.D.

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## DEMOGRAPHIC INFORMATION

### I. Current Appointment

Associate Professor, Pediatrics  
Core Faculty, Welch Center for Prevention, Epidemiology and Clinical Research

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### II. Personal Data

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### III. Education and Professional Training

1980-1984	University of Pennsylvania Philadelphia, Pennsylvania	B.A. English
1984-1988	University of Pennsylvania School of Medicine Philadelphia, Pennsylvania	M.D.

1988-1991	Johns Hopkins Hospital Baltimore, Maryland	Intern & Resident Pediatrics
1993-1996	Johns Hopkins University Baltimore, Maryland	Clinical and Research Fellow Pediatric Nephrology
1993-1999	Johns Hopkins University School of Hygiene and Public Health Baltimore, Maryland	Ph.D., Clinical Investigation

#### IV. **Professional Experience**

1991-1993	Lieutenant Commander, U.S. Public Health Service Pediatrician, Navajo Area Indian Health Service, Kayenta, AZ	
1996-1997	Johns Hopkins University Baltimore, MD	Instructor Pediatric Nephrology
1997	Johns Hopkins University Baltimore, MD	Assistant Professor Pediatric Nephrology
2000	Johns Hopkins University Baltimore, MD	Core Faculty, Welch Center For Prevention, Epidemiology and Clinical Research
2001	Johns Hopkins University Baltimore, MD	Director, Pediatric Nephrology Fellowship Program
2002	Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD	Joint Appointment Clinical Epidemiology
2004	Johns Hopkins University Baltimore, MD	Associate Professor Pediatric Nephrology

### RESEARCH ACTIVITIES

#### I. **Publications**

##### **Peer Reviewed Scientific Articles**

1. Furth SL, Neu AM, McColley SA, Case BW, Steinoff M, Fivush BA. Immune Response to Influenza Vaccination in Children with Renal Disease. *Pediatric Nephrology*, 1995, 9:566-568.

2. Fivush BA, Furth SL, Neu AM. Immunizations in Children on PD: Current Guidelines and Recommendations. *Advances in Peritoneal Dialysis*, 1995, 11:270-273.
3. Furth SL, Neu AM, Case BW, Lederman H, Steinhoff M, Fivush BA. Pneumococcal Polysaccharide Vaccine Immunization in Children with Chronic Renal Disease. *Journal of Pediatrics*, 1996, 128:99-101.
4. Furth SL, Neu AM, Colombani P, Plotnick L, Turner ME, Fivush BA. Diabetes as a Complication of FK506 in Pediatric Renal Transplant Patients. *Pediatric Nephrology*, 1996, 10: 64-66.
5. Furth SL, Powe NR, Hwang W, Neu AM, Fivush BA. Racial Differences in Choice of Dialysis Modality for Children with End Stage Renal Disease. *Pediatrics*, 1997 99, (4): E6.
6. Furth S, Neu A, Sullivan K, Gensler G, Fivush BA. Immunization Practices in Children with Renal Disease: A Report of the North American Pediatric Renal Transplant Cooperative Study (NAPRTCS). *Pediatric Nephrology*, 1997, 11(4):443-446.
7. Furth SL, Powe NR, Hwang W, Neu AM, Fivush BA. Does Pediatric Specialization Influence Treatment Choices In Chronic Disease Management? Dialysis Modality Choice for Children with ESRD. *Archives of Pediatrics and Adolescent Medicine*, 1997 151:545-550.
8. Fivush B, Neu A, Furth S. Acute Hypertensive Crisis in Children-Emergencies and Urgencies. *Current Opinion in Pediatrics*, 1997, 9:233-236.
9. Neu AM, Warady BA, Furth SL, Lederman HM, Fivush BA. Antibody Levels To Diphtheria, Tetanus and Rubella In Infants Vaccinated While on Peritoneal Dialysis: A Study of the Pediatric Peritoneal Dialysis Study Consortium. *Advances in Peritoneal Dialysis*, 1997, 13:297-299.
10. Neu AM, Furth SL, Case BW, Wise B, Colombani PM, Fivush BA. Evaluation of Neurotoxicity in Pediatric Renal Transplant Recipients Treated with Tacrolimus (FK506). *Clinical Transplantation*, 1997, 11:412-414.
11. Furth S, Sullivan K, Neu AM, Fivush BA. Varicella in the First Year after Renal Transplantation: A Report from The North American Pediatrics Renal Transplant Cooperative Society. *Pediatric Transplantation*, 1997, 1:37-42.
12. Neu AM, Warady BA, Lederman HM, Furth SL, Fivush BA. Hypogammaglobulinemia in Infants and Young Children Maintained on Peritoneal Dialysis. *Peritoneal Dialysis International*, 1998, 18 (4):440-3.

13. Neu AM, Stablein DM, Zachary A, Furth SL, Fivush BA. Effect of Parental Donor Sex on Rejection in Pediatric Renal Transplantation: A Report of the North American Pediatric Renal Transplant Cooperative Study. *Pediatric Transplantation*, 1998, 2 (4):309-312.
14. Powe NR, Jaar B, Furth S, Hermann J, Briggs W. Septicemia in U.S. Dialysis Patients: Incidence, Risk Factors and Prognosis. *Kidney International*, 1999, 55(3):1081-1090.
15. Furth S, Neu AM, Hart J, Zachary A, Colombani P, Fivush BA. Plasmapheresis, Intravenous Immunglobulin and Reversal of Antibody-mediated Rejection in a Pediatric Renal Transplant Recipient: A Case Report. *Pediatric Transplantation*, 1999, 3(2):146-149.
16. Furth SL, Hwang W, Neu AM, Fivush BA, Powe NR. For-Profit versus Not For-Profit dialysis Care for Children with End Stage Renal Disease. *Pediatrics*, 1999, 104:519-524.
17. Jaar BG, Hermann JA, Furth SL, Briggs W, Powe NR. Septicemia in Diabetic Hemodialysis Patients: Comparison of Incidence, Risk Factors and Mortality with Non-Diabetic Hemodialysis Patients. *American Journal of Kidney Diseases*, 2000, 35(2):282-292.
18. Garg PP, Furth SL, Fivush BA, Powe NR. The Impact of Gender on Access to the Renal Transplant Waiting List for Pediatric and Adult Patients. *Journal of American Society of Nephrology*, 2000, 11(5):958-964.
19. Furth SL, Garg PP, Neu AM, Hwang W, Fivush BA, Powe NR. Racial Differences in Access to the Kidney Transplant Waiting List for Children and Adolescents with End Stage Renal Disease. *Pediatrics*, 2000, 106:756-761.
20. Furth SL, Donaldson LA, Sullivan EK, Watkins SL. Peritoneal Dialysis Catheter Infections and Peritonitis in Children: A Report of the NAPRTCS. *Pediatric Nephrology*, 2000, 15(3-4):179-182.
21. Furth SL, Casey JC, Pyzik PL, Neu AM, Docimo SG, Vining EPG, Freeman JM, Fivush BA. Risk Factors for Urolithiasis in Children on the Ketogenic Diet. *Pediatric Nephrology*, 2000, 15:125-128.
22. Furth SL, Hwang W, Yang C, Neu AM, Fivush BA, Powe NR. Relation Between Pediatric Experience and Treatment Recommendations for Children and Adolescents with Kidney Failure. *JAMA*, 2001, 285:1027-1033.
23. Furth SL, Fivush BA. Varicella Vaccination in Pediatric Kidney and Liver Transplant Candidates. *Pediatric Transplantation*, 2002, 6 (2): 97-100.

24. Furth SL, Stablein DM, Fine RN, Powe NR, Fivush BA. Adverse Clinical Outcomes Associated with Short Stature at Dialysis Initiation, *Pediatrics*, 2002, 109(5): 909-913.
25. Furth SL, Hwang W, Yang C, Neu AM, Fivush BA, Powe NR. Growth Failure, Risk of Hospitalization and Death for Children with End Stage Renal Disease, *Pediatric Nephrology*, 2002, 17 (16): 450-455.
26. Kossoff EH, Pyzik PL, Furth SL, Hladky HD, Freeman JM, Vining EPG. Kidney Stones, Carbonic anhydrase Inhibitors, and the Ketogenic Diet. *Epilepsia*, 2002, 43 (10):1168-71.
27. Furth SL, Hwang W, Yang C, Neu AM, Fivush BA, Powe NR. The Effects of Patient Compliance, Parental Education and Race on Nephrologists' Recommendations for Kidney Transplantation in Children. *American Journal of Transplantation*, 2003; 3:28-34.
28. Furth SL, Hogg RJ, Traver J, Moulton LH, Chan C, Fivush BA. Varicella Vaccination in Children with Chronic Renal Failure: A Report of the SPNSG, *Pediatric Nephrology*, 2003; 18:33-38.
29. Furth SL, Arbus GS, Hogg R, Tarver J, Chan C, Fivush BA. Varicella Vaccination in Children with Nephrotic Syndrome. A Report of the Southwest Pediatric Nephrology Study Group. *Journal of Pediatric*, 2003; 142:145-148.
30. Neu AM, Ho PL, Fine RN, Furth SL, Fivush BA. Tacrolimus versus Cyclosporine A as Primary Immunosuppression in Pediatric Renal Transplantation: A NAPRTCS Study. *Pediatric Transplantation*, 2003; 7:217-222.
31. Hogg RJ, Furth SL, Lemley KV, Portman R, Schwartz GJ, Coresh J, Balk E, Lau J, Levin A, Kausz AT, Eknoyan G, Levey AS. NKF-K/DOQI Clinical Practice Guidelines for Chronic Kidney Disease in Children and Adolescents. Evaluation, Classification and Stratification, *Pediatrics*, 2003; 111:1416-1421.
32. Veltri M, Neu AM, Parekh RS, Fivush BA, Furth SL. Drug Dosing during Intermittent Hemodialysis and Continuous Renal Replacement Therapy: Special Considerations in Pediatric Patients. *Pediatric Drugs* 2004; 6(1):45-65
33. Gerson AC, Furth SL, Neu AM, Fivush BA. Assessing Associations Between Medication Adherence and Potentially Modifiable Psychosocial Variables in Pediatric Kidney Transplant Recipients and their Families. *Pediatric Transplantation*, 2004, 8:543-50.
34. Gerson AC, Hwang W, Fiorenza J, Barth K, Kaskel F, Weissl, Zelikovsky N, Fivush B, Furth S. Anemia and Health-Related Quality of Life in Adolescents with Chronic Kidney Disease. *American Journal Kidney Diseases*, 2004: 44:1017-23.

35. Fadrowski JJ, Furth SL, Fivush BA. Anemia in Pediatric Dialysis Patient in End Stage Renal Disease Network 5, *Pediatric Nephrology*, 2004, 19(9):1029-34.
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37. Matthews A, Swain R, White M, Lehmann H, Furth S. Evaluating the Use of Online Gaming Community in Pediatric Hemodialysis Center. *AMIA, ANNU Symp Proc 2005;1046 Pmid 16779333*.
38. Gorman G, Furth SL. Clinical Research in Pediatric Nephrology: State of the Art. *Pediatric Nephrology*, 2005, Oct 20(10):1382-7; *Epub 2005, Jun 8 Review, Pmid: 15942788*.
39. Furth, SL. Growth and Nutrition in Children with Chronic Kidney Disease. *Advances in Chronic Kidney Disease*, 2005, 12(4): 366-371.
40. Goldstein SL, Gerson AC, Goldman CW, Furth S. Quality of Life for Children with Chronic Kidney Disease. *Seminars in Nephrology*. 2006, 26(2):114-7. *Review Pmid:16530604*.
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43. Chesney RW, Brewer E, Moxey-Mims M, Watkins S, Furth SL, Harmon WE, Fine RN, Portman RJ, Warady BA, Salusky IB, Langman CB, Gipson D, Scheidt P, Feldman H, Kaskel FJ, Siegel NJ. Report of an NIH Task Force on Research Priorities in Chronic Kidney Disease in Children. *Pediatric Nephrology*, 2006, 21:14-25.
44. Hemachandra AH, Klebanoff MA, Duggan AK, Hardy JB, Furth SL. The Association between Intrauterine Growth Restriction in the Full Term Infant and High Blood Pressure at Age 7 Years: Results from the Collaborative Perinatal Project, *International Journal of Epidemiology*, 2006, *epub June 9*, 35(4): 871-7.

45. Hemachandra AH, Klebanoff MA, Furth SL. Racial Disparities in the Association between Birth weight in the Full Term Infant and High Blood Pressure at Age 7 Years: Results from the Collaborative Perinatal Project. *Journal of American Society of Nephrology*, 2006, epub, July 26, 17 (9) 2576-81.
46. Schwartz GJ, Furth S, Cole SR, Warady B, Munoz A. Glomerular Filtration Rate Determined by Iohexol Disappearance: Pilot Study for Chronic Kidney Disease in Children. *Kidney International*, 2006; 69 (11): 2070-7.
47. Furth SL, Cole SR, Moxey-Mims M, Kaskel F, Mak R, Schwartz G, Wong C, Munoz A, Warady BA. Design and Methods of the Chronic Kidney Disease in Children (CKiD) Prospective Cohort Study. *Clinical Journal of American Society of Nephrology*, 2006; 1:1006-1015.
48. Amaral S, Hwang W, Fivush B, Neu A, Frankenfield D, Furth S. Association of Mortality and Hospitalization with Achievement of Adult Hemoglobin Targets in Adolescents on Hemodialysis. *Journal of American Society of Nephrology* 2006, 17(10):2878-85.
49. Fadrowski JJ, Hwang W, Frankenfield DL, Fivush BA, Neu AM, Furth SL. Clinical Course Associated with Vascular Access Type in a National Cohort of Adolescents who Receive Hemodialysis: Findings from the Clinical Performance Measures and US Renal Data System Projects. *Clinical Journal of American Society of Nephrology* 2006; 1:987-992.
50. Fadrowski J, Cole S, Hwang W, Fiorenza J, Weiss R, Gerson A, Furth S. Changes in Physical and Psychosocial Functioning Among Adolescents with Chronic Kidney Disease. *Pediatric Nephrology* 2006, 21(3):394-399.
51. Gerson AC, Butler R, Moxey-Mims M, Wentz A, Shinnar S, Lande MB, Mendley SR, Warady BA, Furth SL, Hooper SR. Neurocognitive Outcomes in Children with Chronic Kidney Disease: Current Findings and Contemporary Endeavors. *Mental Retardation and Developmental Disabilities Research Reviews* 2006, 12(3):208-15
52. Goldstein SL, Gerson AC, Goldman CW, Furth S. Quality of Life for Children with Chronic Kidney Disease. *Seminars in Nephrology* 2006; 26:114-117
53. Schwartz GJ, Furth S. Glomerular Filtration Rate (GFR) Measurement and Estimation in Chronic Kidney Disease, *Pediatric Nephrology* 2007, 22(11):1839-1848.
54. Hemachandra AH, Howards PP, Furth SL, Klebanoff MA. Birth Weight, Postnatal Growth and Risk for High Blood Pressure at 7 Years: Results from the Collaborative Perinatal Project. *Pediatrics*, 2007; 119(6):1264-1270.

55. Furth SL, Cole SR, Fadrowski JJ, Gerson A, Pierce CB, Chandra M, Weiss R, Kaskel F. The Association of Anemia and Hypoalbuminemia with Accelerated Decline in GFR among Adolescents with CKD. *Pediatric Nephrology*, 2007, 22(2):265-271.
56. Sampath A, Kossoff E, Furth S, Pyzik P, Vining E. Kidney Stones and the Ketogenic Diet: Risk Factors and Prevention. *Journal of Child Neurology*, April 2007, 22(4):375-378.
57. Dodson J, Diener-West M, Gerson A, Kaskel F, Furth S. An Assessment of Health Related Quality of Life Using the Child Health and Illness Profile – Adolescent Edition in Adolescents with Chronic Kidney Disease Due to Underlying Urological Disorders. *Journal of Urology* 2007, 178:660-665.
58. Sule S, Fadrowski J, Fivush B, Gorman G, Furth SL. Reduced Albumin Levels and Utilization of Arteriovenous Access in Pediatric Patients with SLE. *Pediatric Nephrology*, 2007, 22:2041-2046.
59. Fadrowski JJ, Frankenfield D, Amaral S, Brady T, Gorman GH, Warady B, Furth SL, Fivush B, Neu AM. Children on Long-term Dialysis in the US: Findings from the 2005 ESRD Clinical Performance Measures Project. *American Journal of Kidney Diseases*, December 2007, 50(6):958-966.
60. Amaral S, Hwang W, Fivush B, Neu A, Frankenfield D, Furth S. Serum Albumin Level and Risk for Mortality and Hospitalization in Adolescents on Hemodialysis. *Clinical Journal of the American Society of Nephrology*, 2008, in press.
61. Fadrowski J, Pierce C, Cole S, Moxey-Mims M, Warady B, Furth S. Hemoglobin Decline in Children with Chronic Kidney Disease: Baseline Results from the Chronic Kidney Disease in Children Prospective Cohort Study. *Clinical Journal of the American Society of Nephrology* 2008, in press.
62. Schwartz G, Kwong T, Erway B, Warady B, Furth S, Hellerstein S, Dharnidharka V, Muñoz A. HPLC Validates Enzymatic Creatinine Assay over a Wide Range of Values in Children with CKD. *Submitted for publication*.
63. Schwartz G, Muñoz A, Schneider M, Mak R, Kaskel F, Warady B, Furth S. New Creatinine-Based Formulas to Estimate GFR in Children with CKD. *Submitted for publication*.
64. Flynn J, Pierce C, Mitsnefes M, Cole S, Furth S, Warady B. Blood Pressure in Children with Chronic Kidney Disease: Preliminary Findings from the Chronic Kidney Disease in Children Cohort Study. *Submitted for publication*.

## II. Letters to the Editor

1. Furth SL, Tunnessen W. When the Symptoms Dance. Pediatric Puzzler, *Contemporary Pediatrics*, November 1990.
2. Furth SL, Oski F. Hyponatremia and Water Intoxication. *American Journal of Diseases of Children* 147(9):932-933, 1993.

## III. Book Reviews

1. Furth S, Therapy in Nephrology and Hypertension-A Companion to Brenner and Rector's: The Kidney. Edited by Brady HR, Wilcox CS, Saunders, Philadelphia, 1990. in: *Pediatric Nephrology*, 2000, 13:329

## IV. Book Chapters

Furth SL, Fadrowski JJ. "Clinical Investigation," in Pediatric Nephrology 5<sup>th</sup> Ed. Editors: Avner, Harmon, Niaudet. Lippincott, Williams and Wilkins, Philadelphia, PA, 2003

Furth SL, Gerson A. "Quality of Life of Children on Dialysis" in Pediatric Dialysis. Editors: Warady BA, Fine RN, Alexander SR, Schaefer F. Kluwer Biomedical Unit, 2005

Furth SL, Levin A, Schwartz G. "Normal Kidney Function and Choice of Laboratory Studies" in Kidney Disorders in Children and Adolescents: A Practical Handbook". Editor: Ronald J Hogg, Taylor & Francis, London, United Kingdom, 2005

Wong C, Furth SL. "Epidemiology of Chronic Kidney Disease in Children," in Clinical Pediatric Nephrology, 2<sup>nd</sup> Edition. Editor: Kher, Makker and Schnapper. Martin Dunitz & Parthenon Publishing, London, UK, 2006

Furth SL, Amaral S. "Themes Across Renal Disease and Renal Failure: Anemia", in Evidence Based Nephrology: edited by Donald Molony and Jonathon Craig, Blackwell Publishing, Oxford, UK, 2007

Wong CS, Furth S. Epidemiology of Renal Disease in Children. In: Kher KK, Schnaper HW, Makker SP, eds. Clinical Pediatric Nephrology. 2<sup>nd</sup> ed. London, England: Informa UKK Ltd.; 2007:63-70

Furth S. Nephrology in The Harriet Lane Handbook, Eighteenth Edition. Johns Hopkins University, Mosby, Inc., Elsevier Inc., Philadelphia, USA, 2007

Gerson A, Harrison C, Furth SL. "Psychosocial and Ethical Issues in Chronic Kidney Disease", in Comprehensive Clinical Nephrology, edited by Denis Geary and Franz Schaefer, Elsevier, Philadelphia, PA, 2008

V. **Abstracts** (\*presented)

- 1.\* Furth SL, Neu AM, McColley S, Case BW, Steinhoff M, Fivush BA. Immune Response to Influenza Vaccination in Children with Renal Disease. *Journal of American Society of Nephrology*, 1994, 5(3):329.
2. Neu AM, Furth SL, Fivush BA. Outcome of Acute Dialysis in Pediatric Patients: A Five Year Experience. *Journal of American Society of Nephrology*, 1994, 5(3):467.
- 3.\* Furth SL, Neu AM, Lederman H, Case BW, Steinhoff M, Fivush BA. Immune Response to Pneumococcal Vaccination in Children with Renal Disease. *Pediatric Research*, 1995, 37(4):362 A.
- 4.\* Furth SL, Hwang W, Neu AM, Fivush BA, Powe NR. The Effect of Race on Choice of Dialysis Modality in Children with ESRD. *Journal of American Society of Nephrology*, 1995, 6(3):388.
- 5.\* Furth SL, Hwang W, Neu AM, Fivush BA, Powe NR. Are Children Treated at Adult vs. Pediatric Dialysis Facilities More Likely to Receive Hemodialysis vs. Peritoneal Dialysis? *Journal of American Society of Nephrology*, 1995, 6(3):388.
- 6.\* Furth SL, Hwang W, Neu AM, Fivush, BA, Powe NR. Facility Traits Associated With the Use of Peritoneal (PD) VS Hemodialysis (HD) in Children With ESRD. *Peritoneal Dialysis International*, 1996, 16 (Suppl 2):S91.
- 7.\* Furth SL, Hwang, W, Neu AM, Fivush, BA, Powe NR. Peritoneal vs. Hemodialysis for Children at Centers Specializing in Pediatric vs Adult Care. *Peritoneal Dialysis International*, 1996, 16 (Suppl 2):S91.
8. Neu AM, Furth SL, Case BW, Wise B, Colombani P, Fivush BA. Neurotoxicity in Pediatric Renal Transplant Recipients Treated with FK506 (Tacrolimus). *Pediatric Research* 1996, 39 (4), p365 A.
9. Furth SL, Neu AM, Bock GH, Sullivan EK, Fivush BA. Vaccine Preventable Viral Infection in Pediatric Patients Post Renal Transplant. A Report from the North American Pediatric Renal Transplant Cooperative Society. *Pediatric Research*, 1996, 39(4):p360A.
- 10.\* Neu A, Furth S, Zachary A, Stablein D, Fivush B. Beneficial Effect of Non-Inherited Maternal Antigens on Graft Survival in Pediatric Renal Transplantation. *Journal of American Society of Nephrology*, 1996, 7(9):1917.
11. Furth S, Neu, AM, Gensler G, Sullivan K, Fivush BA. Immunization Practices In Children With Renal Disease. *Journal of American Society of Nephrology*, 1996, 7(9):1386.

- 12.\* Powe NR, Jaar B, Furth S, Hermann JA, Briggs W. Incidence and Risk Factors for Septicemia in U.S. Dialysis Patients. *Journal of American Society of Nephrology*, 1996, 7(9):1461.
- 13.\* Furth S, Jaar B, Hermann JA, Briggs W, Powe NR. Effect of Socioeconomic Status of Risk on Septicemia in U.S. PD Patients. *Peritoneal Dialysis International*, 1997, 17(1):S60.
- 14.\* Neu AM, Furth SL, Lederman HM, Warady BA, Fivush BA for the Pediatric (PPDSC) Peritoneal Dialysis Study Consortium. Antibody levels to Routine Immunizations in Infants Vaccinated on Chronic Peritoneal Dialysis. *Peritoneal Dialysis International*, 1997, 17 (1):S88.
- 15.\* Neu AM, Furth SL, Lederman HM, Warady BA, Fivush BA. Hypogammaglobulinemia in Infants on Chronic Peritoneal Dialysis. *Peritoneal Dialysis International*, 1997, 17(1): S88.
16. Furth SL, Casey J, Freeman J, Fivush BA. Hypercalciuria and Urolithiasis in Patients on the Ketogenic Diet. *Pediatric Research*, 1997, 41(4):278A.
17. Furth SL, Donaldson L, Neu AM, Fine R, Fivush BA. Effect of Renal Diagnosis on Height SDS in Children with CRI: A report of the NAPRTCS. *Pediatric Research*, 1997, 41(4):278A.
- 18.\* Furth SL, Sullivan EK, Neu AM, Tejani A, Fivush BA. Varicella Requiring Hospitalization In the First Year After Renal Transplantation: A Report of The North American Pediatric Renal Transplant Cooperative Study (NAPRTCS). *Pediatric Transplantation*, 1997, 1:37-42.
- 19.\* Furth S, Neu A, Case B, Lederman H, Steinhoff M, Fivush B. Persistence Of Anti-Capsular Antibody 2 yrs After Pneumococcal Vaccination In Children With Renal Disease. *Journal of American Society of Nephrology*, 1997, 8:68A.
- 20.\* Fivush B, Furth, S, Chan C, Shobha S, Green K, Tarver J, Hogg R. Immunogenicity of Varivax in Children With Chronic Renal Insufficiency (CRI). A Preliminary Report from the Southwest Pediatric Nephrology Study Group (SPNSG). *Journal of American Society of Nephrology*, 1997, 8:137A.
- 21.\* Jaar BG, Hermann JA, Furth S, Briggs W, Powe NR. Risk Factors for Septicemia among Diabetic and Non-Diabetic Hemodialysis Patients. *Journal of American Society of Nephrology*, 1997, 8:195A.
- 22.\* Jaar BG, Hermann JA, Furth S, Brigg N, Powe NR. Risk of Septicemia from Reuse of Dialyzers in Hemodialysis Patients with Diabetes Mellitus. *Journal of American Society of Nephrology*, 1997, 8:239A.

23. Montgomery RA, Chavin KD, King K, Zachary A, Lefell MS, Nasady T, Racusen L, Hart J, Furth S, Fivush B, Colombani P, Ratner LE. Plasmapheresis and Intravenous Immune Globulin Provides Effective Treatment for Refractory Humoral Rejection in Renal Allografts. Submitted to the *American Society of Transplant Surgeons*, 1998.
- 24.\* Fivush BA, Furth SL, Chan C, Green K, Tarver J, Sahney S, Hogg R. Safety, Tolerability and Immunogenicity of Varivax in Children with CRI: A Preliminary Report. *Pediatric Nephrology*, 1998, (12) C197.
25. Neu AM, Colombani P, Wise B, Case B, Furth SL, Fivush BA. Mycophenolate Mofetil (MMF) and Prednisone as Primary Immunosuppression in 3 Pediatric Renal Transplant Patients. *Pediatric Transplantation*, 1998, 2 (Suppl 1): 66.
26. Neu AM, Zachary AA, Furth SL, Case BW, Colombani P, Fivush BA. Graft Survival in Pediatric Renal Transplant Patients Receiving HLA-BW4/6 Mismatched Kidneys. *Pediatric Transplantation*, 1998, 2 (Suppl 1):41.
- 27.\* Furth SL, Hwang W, Fivush BA, Powe NR. Does Dialysis Facility Profit Status Affect Access to Renal Transplantation (TX) for Children with ESRD? *Journal of American Society of Nephrology*, 1998, 9:208A.
- 28.\* Furth SL, Hwang W, Neu AM, Fivush BA, Powe NR. For Profit vs Not for Profit Dialysis Care of Children with ESRD. *Pediatrics*, 1999, 104: 519-524.
- 29.\* Furth SL, Garg P, Neu AM, Hwang W, Fivush BA, Powe, NR. Racial Differences in Access to the Kidney Transplant Waiting List for Children and Adolescents with ESRD. *Transplantation* 67(7); S237, 1999.
30. Neu A, Furth S, Zachary A, Lefell S, Colombani P, Fivush B. Effect of Low Level HLA Antibody Detected by GTI-quickscreen in Pediatric Renal Transplant Patients. Submitted to the *American Society of Transplant Physicians*.
- 31.\* Furth SL, Arbus G, Chan C, Green K, Tarver J, Hogg R, Fivush BA. Safety, Tolerability & Immunogenicity of Varivax ® in Children with Nephrotic Syndrome: A report of the Southwest Pediatric Nephrology Study Group. *Pediatric Research*, 1999, 45:332A.
- 32.\* Furth SL, Garg P, Neu AM, Hwang W, Fivush BA, Powe NR. Racial Differences in Access to the Kidney Transplant Waiting List for Children and Adolescents with ESRD. *Transplantation*, 1999, 67(7); 924.
33. Neu AM, Furth SL, Case BW, Wise B, Colombani PM, Fivush BA. Single Center Experience with Daclizumab in Pediatric Renal Transplantation. *Journal of American Society of Nephrology*, 1999, 10:740A.

- 34.\* Fivush BA, Arbus G, Tarver J, Hogg R, Furth SL. Immunogenicity and Persistence of Antibody Levels Following Varivax® in Children and Adolescents with Nephrotic Syndrome: A Report of the Southwest Pediatric Nephrology Study Group. *Journal of American Society of Nephrology*, 1999, 10:72A.
- 35.\* Furth SL, Garg PP, Neu AM, Fivush BA, Powe N. Does Patient Gender Affect Time to Waitlisting for Children and Adolescents with End Stage Renal Disease? *Journal of American Society of Nephrology*, 1999, 10:164A.
- 36.\* Furth SL, Hogg R, Tarver J, Fivush BA. One Year Follow-up of Varivax in Children and Adolescents with Chronic Renal Insufficiency (CRI): A Report of the Southwest Pediatric Nephrology Study Group. *Journal of American Society of Nephrology*, 1999, 10:164A.
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128. Groesbeck D, Fadrowski J, Jerry-Fluker J, Andreoli S, Wong C, Furth S. Family History of Cardiovascular Disease in Children with Chronic Kidney Disease: Results from the CKiD Study. *Submitted to PAS 2008 Meeting*.
129. Samuels JA, Cohn S, Bell C, Poffenbarger T, Portman R, Munoz A, Flynn J, Warady B, Furth S. Ambulatory Hypertension (HTN) by ABPM is Associated with Declining iGFR in Children with Chronic Kidney Disease (CKD): Preliminary Findings from the Chronic Kidney Disease in Children (CKiD) Study. *Submitted to PAS 2008 Meeting*.

## **VI. Research Support**

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| 1994-1996 | Harriet Lane Home Research Fellowship Award "Defining Allergy's Role in Pediatric Nephrotic Syndrome". \$30,000/year<br>Principal Investigator 80% effort                             |
| 1994      | National Kidney Foundation of Maryland Grant.<br>"Influenza and Pneumococcal Vaccination Response in Pediatric Patients with Chronic Renal Disease". \$4,920, Principal Investigator. |
| 1994      | National Kidney Foundation of Maryland Grant.<br>"Role of Allergy in Pediatric Nephrotic Syndrome". \$5,000, Co-Investigator.   |
| 1995      | National Kidney Foundation of Maryland Grant.<br>"Personal and Provider Characteristic Affecting Dialysis Modality Choice in Children". \$2,000, Principal Investigator.              |

- 1995 Merck Pharmaceuticals "Immunogenicity of Varivax in Children with Chronic Renal Insufficiency." \$56,000, Principal Investigator, Southwest Pediatric Nephrology Study Group. 10% effort
- 1995 Johns Hopkins Children's Miracle Network Telethon Funds. "Varicella Vaccination in Children with Renal Disease." \$13,500, Principal Investigator. 10% effort
- 1996 Charlie Foundation to Help Cure Pediatric Epilepsy. "Evaluation of Risk Factors for Renal Stones in Children on the Ketogenic Diet". \$25,000 Principal Investigator, 25 % effort
- 1997 Merck Pharmaceuticals "Safety, Tolerability and Immunogenicity of Varivax in Children with Nephrotic Syndrome". Co-Investigator, Southwest Pediatric Nephrology Study Group, 10% effort
- 1997 National Kidney Foundation Grant "Growth, Treatment Choice and Outcome in Pediatric ESRD", Principal Investigator \$2,500.
- 1998 Johns Hopkins University Clinician Scientist Award "Assessing Patient Outcomes in Pediatric ESRD." \$64,980 Principal Investigator, 80% effort
- 1998 Johns Hopkins Children's Miracle Network Telethon Funds "Long Term Follow-up of Pneumococcal Vaccination in Children with Renal Disease." Principal Investigator \$4,000.
- 1999-2001 Genentech Foundation "Does Poor Growth Predict Morbidity and Mortality in Children with ESRD?" Principal Investigator \$60,000, 10% effort
- 1999-2001 Johns Hopkins Children's Center Outcomes Research Committee "The Impact of Pediatric Specialty Care on Outcomes for Children and Adolescents with Renal Disease." Principal Investigator \$50,000, 10% effort.
- 1999-2005 NIH, NIDDK Mentored Clinician Scientist Award (K08) "Assessing Patient Outcomes in Pediatric ESRD". \$523,390, Principal Investigator, 70% effort.
- 1999-2006 NIH, NHLBI (K30) Graduate Training Program in Clinical Investigation \$185,185, Co-investigator, 10% effort
- 2000-2002 Johns Hopkins Children's Center Outcomes Research Committee "Meeting the Needs of Children with Kidney Failure: Perspectives

- from Patients, Families and Providers.” Principal Investigator \$50,000, 10% effort.
- 2001-2004 NIH, NIDDK (R03) Supplemental Funding for K08 Recipients “Assessing Functional Outcomes in Adolescents with ESRD.” \$163,500, Principal Investigator, 10% effort.
- 2002-2003 Star bright Foundation “An evaluation of the interactive CD-ROM Program, “Living with Kidney Disease” in the Adolescent Dialysis Population.” \$16,560, Principal Investigator 2.5% effort.
- 2003-2008 NIH, NIDDK (U01) RFA DK03-012 “Chronic Kidney Disease in Children, Total cost: \$2,960,312 (5 years) Principal Investigator, 40% effort.
- 2004-2006 NIH, NIDDK (R21) DK064313-01 “Clinical Measures and Outcomes in Adolescents with ESRD”. Direct costs: \$200,000 (2 years) Principal Investigator, 10% effort
- 2003-2007 Montefiore Medical Center U01 DK63549 “FSGS Clinical Trial”. Total Cost: 11,905. Principal Investigator, 1% effort.
- 2004-Present Genentech Protocol # 85-036 Total Cost: \$3,720 “National Cooperative Growth Study (NCGS) of Nutropin AQ, Nutropin, Protropin and Nutropin Depot in Children with Growth Failure Due To Chronic Renal Insufficiency.” The primary objective of this study is to collect long-term safety information in children with CRI or ESRD who receive a Genentech growth hormone preparation (Nutropin AQ, Nutropin, Protropin, or Nutropin Depot) for improvement of growth rate. Principal Investigator, 1% effort.
- 2004-2009 NIH/NIDDK 5K12 HD049104. Total Cost: \$1,003,641 “Multidisciplinary Clinical Research Career Development Program” This project seeks to establish a Multidisciplinary Clinical Research Career Development Program that will teach the next generation of clinical investigators in-depth knowledge, skills, attitudes and research experiences that will allow them to communicate and work effectively with their colleagues from other disciplines. Co-investigator, 12% effort.
- 2007-2012 NIH/NIDDK 1K24DK078737. Total Cost: 757,000 “Patient Oriented Research in Pediatric Kidney Disease” This project mentors junior faculty and fellows in Clinical Research and expands the aims and scope of the CKiD Study. Principal Investigator, 50% effort.

## **VII Investigator/Multi-Center Trials**

Immunogenicity Varivax in Children with Chronic Renal Insufficiency  
Principal Investigator  
Multi-center trial  
Funded by Merck Pharmaceutical  
Southwest Pediatric Nephrology Study  
Completed 2002

Immunogenicity of Varivax in Children with Nephrotic Syndrome  
Principle Investigator  
Multi-center trial  
Funded by Merck Pharmaceutical  
Southwest Pediatric Nephrology Study  
Completed 2002

Antioxidant Therapy of Focal Segmental Glomerulosclerosis  
Co-Investigator  
Multi-center trial  
Funded by SPR  
Completed 2001

Functional Outcomes in Adolescents with CKD  
Principle Investigator  
Multi-center observational study  
Funded by NIDDK and Kidney & Urology Foundation  
Council of Pediatric Nephrology and Urology NY / NJ  
Ongoing

Clinical Trial of Focal and Segmental Glomerulosclerosis  
Clinical Site Investigator  
Multi-center trial  
Funded by NIDDK  
Council of Pediatric Nephrology and Urology NY / NJ  
Ongoing

## **EDUCATIONAL ACTIVITIES**

### **I. Teaching:**

#### **Classroom Instruction**

1997-present Clinical Epidemiology, Johns Hopkins School of Medicine,  
Laboratory Module instructor for 20 1<sup>st</sup> year Medical Students,  
Daily for 2 week intensive course every spring.

- 1998-present Introduction to Clinical Methods, Johns Hopkins School of Hygiene and Public Health, small group Instructor for 20 post-doctoral fellows 2 week intensive course each summer.
- 2000-present “Hematuria” Lecture to Pediatric House Staff yearly.
- 2001-present “Use of Clinical Vignettes in “Outcomes Research” Outcomes and Effectiveness Research, yearly lecture
- 2003-present “Pediatric Chronic Kidney Disease” Lecture to Pediatric House Staff yearly.
- 2004-present “Renal Tubular Acidosis” Lecture to Pediatric House Staff yearly.

**Clinical Instruction**

- 1994-present Inpatient Nephrology Service. Attending Physician – Supervision of Pediatric Residents covering inpatient Nephrology service (6 weeks/year)
- 1994-present Outpatient Nephrology Clinic. Attending Physician – Supervision of Pediatric Residents and Adult Nephrology Fellows rotating on elective

**II. CME Instruction**

- 25<sup>th</sup> Annual Pediatric Trends: Pediatric Nephrotic Syndrome, April 1997.
- 27<sup>th</sup> Annual Pediatric Trends: “Hematuria” April 1999.
- 29<sup>th</sup> Annual Pediatric Trends: “Hematuria” April 2001.
- Pediatric Grand Rounds, Johns Hopkins University School of Medicine: “Treatment Choice Pediatric End-Stage Renal Disease,” February 2001.
- Pediatric Grand Rounds, Sinai Medical Center: “Hematuria” February 2002.
- Pediatric Grand Rounds, Franklin Square Medical Center, “Hematuria” April 2002.
- 31<sup>st</sup> Annual Pediatric Trends: Chronic Kidney Disease in Pediatrics, April 2003.
- Pediatric Grand Rounds, Johns Hopkins University School of Medicine: “Chronic Kidney Disease in Children Study,” February 2003.

Pediatric Grand Rounds, Johns Hopkins University School of Medicine: “Chronic Kidney Disease in Children Study- Results of Pilot Study,” February 2005.

Johns Hopkins Bayview Adult Nephrology Conference, “Chronic Kidney Disease in Children Study- Results of Pilot Study,” February 2005.

Welch Center Grand Rounds, Johns Hopkins University School of Medicine: “CKiD Study,” May 2006.

Johns Hopkins Bayview Adult Nephrology Conference, “Update on Chronic Kidney Disease in Children Study,” March 2007.

Pediatric Grand Rounds, “CKiD Study,” March 2007.

### **III. Mentoring: Advisees**

Pushkal Garg, MD  
Current position:

Robert Wood Johnson Clinical Scholar  
Associate Director, Clinical Development  
Pharmaceutical Research Institute  
Bristol Myers-Squibb  
Princeton, NJ

Scott Shipman, MD  
Current Position:

Robert Wood Johnson Clinical Scholar  
Assistant Professor, Pediatrics  
Oregon Health Sciences University,  
Portland OR.

Jeffrey Fadrowski, MD, MHS  
Current Position:

Assistant Professor, Pediatric Nephrology  
MHS Clinical Epidemiology, Bloomberg  
School of Public Health. Johns Hopkins  
University School of Medicine

Elizabeth Hunt, MD  
Current Position:

Assistant Professor, Pediatric Intensive Care  
PhD Candidate, Clinical Epidemiology  
Johns Hopkins University Bloomberg  
School of Public Health

Jennifer Dodson, MD  
Current Position:

Instructor, Pediatric Urology  
PhD Candidate, General Training Program  
in Clinical Investigation, Johns Hopkins  
University School of Medicine  
K-12 MCRCRD Recipient

Kevin McBryde, MD  
Current Position:

Devices Division  
Food and Drug Administration  
Department of Health and Human Services

	Children's National Medicine Center Washington, D.C.
Greg Gorman, MD, MHS, USNR Current Position:	Assistant Professor, Department of Pediatrics, National Naval Medical Center, Bethesda, MD
Sandra Amaral, MD, MHS Current Position:	Assistant Professor Division of Pediatric Nephrology Emory Healthcare & Children's Healthcare of Atlanta, Atlanta, GA 30322
Anusha Hemachandra, MD, MPH Current Position:	Asst Professor, Neonatology University of Colorado Health Sciences Center, Denver, CO
Meredith Atkinson, MD, MHS Current Position:	Instructor, Pediatric Nephrology Johns Hopkins University School of Medicine
Tammy Brady, MD, MHS Current Position:	Fellow, Pediatric Nephrology Johns Hopkins University School of Medicine
Sangeeta Sule, MD Current Position:	Assistant Professor, Pediatrics and Rheumatology PhD Candidate, GTPCI, Bloomberg School of Public Health, Johns Hopkins University School of Medicine
Lorie Smith, MD Current Position:	Fellow, Pediatric Nephrology, Department of Pediatrics, Johns Hopkins Hospital MHS Candidate, Bloomberg School of Public Health, Johns Hopkins University School of Medicine
Elizabeth Cristofalo, MD, MPH Current Position:	Assistant Professor Division of Neonatology, Department of Pediatrics, Johns Hopkins Hospital and Johns Hopkins School of Medicine
Lori Jordan, MD Current Position:	Assistant Professor Department of Neurology, Johns Hopkins Hospital and Johns Hopkins University School of Medicine

Rebecca Gottesman, MD  
Current Position:

Assistant Professor  
Department of Neurology, Johns Hopkins  
Hospital and Johns Hopkins University  
School of Medicine

Melissa Meekins  
Current Position:

Clinical Pediatric Pharmacist  
Rainbow Babies Hospital  
Cleveland, OH

#### **IV. Training Grant Participation**

**Graduate Training Program in Clinical Investigation** HL04-141-01,  
Principal Investigator: Adkinson, NF, JR. Responsible for designing and  
initiating an evaluation program for the Educational Program.  
Advisory Council Member.

**Renal Disease Epidemiology Training Grant.** Supervise dedicated slots for  
Pediatric Nephrology Fellow. Director of Pediatric Nephrology Training Program  
and Epidemiology Faculty Advisor for Pediatric Nephrology Fellows obtaining an  
MHS in Clinical Epidemiology, Principal Investigator: Parekh, R.

**“Pediatric Clinical Research Scholar Program – Washington” K12RR-  
017613-01 NIH/NCRR Role: Co-Investigator Children’s Research Institute**  
The goal of this program is to increase the number of well-trained and innovative  
pediatric clinical investigators, who are able to design and conduct all phases of  
patient-oriented research, and who will become leaders of future multidisciplinary  
clinical research efforts. Dr. Furth serves as the Lead Mentor for one of the  
scholars, Kevin McBryde, MD.

**“Multidisciplinary Clinical Research Career Development Program” K12  
(Powe)** This project seeks to establish a Multidisciplinary Clinical Research  
Career Development Program that will teach the next generation of clinical  
investigators in-depth knowledge, skills, attitudes and research experiences that  
will allow them to communicate and work effectively with their colleagues from  
other disciplines. Dr. Furth serves on the executive committee and on the  
committee to evaluate outcomes of this training program.

#### **V. Editorial Appointments**

**Guest Editor:**

Advances in Chronic Kidney Disease; Obesity and CKD, October 2006  
issue

**Editorial Board Appointments**

Pediatric Nephrology, 2004 - 2006  
Advances in Chronic Kidney Disease, 2003- present  
Journal of American Society of Nephrology, 2007 - present



- 2002-present Advisory Council, Graduate Training Program in Clinical Investigation.
- 2004-present Advisory Council, “Multidisciplinary Clinical Research Career Development Program” K12
- 2005-present Clinician Scientist Award Committee – Johns Hopkins School of Medicine wide elect committee for Junior Faculty salary support award application
- 2005-present Clinical and Translational Science Award Application: Training and Education Workgroup
- 2006-present Executive Committee, “Multidisciplinary Clinical Research Career Development Program” K12
- 2006-present Selection Committee for Johns Hopkins K12 Clinical Research Scholars Program
- 2007-present Johns Hopkins Clinician-Scientist Awards Selection Committee Member

**II. Professional Societies**

- 1991-present Fellow, American Academy of Pediatrics
- 1993-present International Pediatric Nephrology Association
- 1995-present Associate Member, American Society of Nephrology
- 1996-present American Society of Pediatric Nephrology (ASPN)
- 2001-present Society for Pediatric Research (SPR)
- 2007 American Academy of Pediatrics (AAP), Section on Nephrology

**Professional Affiliations: National Committees: Positions Held**

- 1999-2002 Clinical Affairs Committee, ASPN
- 2002-present Chair, Research Committee, ASPN
- 2003-present Women’s Issues Committee, Kidney and Urology Foundation of America.
- 2005-present Councilor, American Society of Pediatric Nephrology

- 2005-2008 American Society of Nephrology, Clinical Science Committee
- 2006-present Councilor, Society of Pediatric Research
- 2006-2008 ASPN Annual Meeting Program Committee, ASPN
- 2007-2010 Scientific Program Committee Member, 15<sup>th</sup> Congress of the International Pediatric Nephrology Association

**Advisory Committees, Review Groups**

- 2000-2001 National Kidney Foundation - Kidney Disease Outcomes Quality Initiative Working Group: Chronic Kidney Disease: Evaluation, Stratification and Classification
- 2001-2005 National Kidney Disease Education Project, NIDDK, NIH.
- 2002-present National Children’s Study, Early Origins of Adult Health Work group at-Large Member.
- 2004 NIH/NIDDK, Special Emphasis Panel to Review Exploratory Grants in Chronic Kidney Disease
- 2006 NIH/NIDDK, Special Emphasis Panel Review of “Chronic Kidney Disease Ancillary Studies,” April 2006
- 2007 NIH/NIDDK- Focused Opportunities for Clinical Research in Kidney Disease Meeting, January 29-30<sup>th</sup>, 2007
- 2007 CDC Expert Panel on Comprehensive Public Health Strategies for Preventing the Development and Progression of CKD, Atlanta, GA, March 5-6, 2007
- 2007 NIH/NIDDK, Special Emphasis Panel to Review R13 Conference Grant Applications, December 2007
- 2007 Advisory Group, “Establishing a Surveillance System for CKD in the US, ASPN Representative, March 2007 – present

**Consultantship**

- 2001 Baby HUG Multi center Clinical Trial - consultant Pediatric Hydroxyurea Phase III Clinical Trial, Clinical Trials and Surveys Corp. Baltimore, MD. Consultant on measures of Kidney Function.

### **III. Conference Organizer/Abstract Reviewer/Session Chair**

Session Chair: International Society for Peritoneal Dialysis Meetings, February 1997, Baltimore, MD

Session Chair: American Society of Pediatric Nephrology Meetings. May, 2003, Seattle, WA

Abstract Reviewer: American Society of Pediatric Nephrology Meetings, May, 2003, Seattle, WA

Session Chair: “Clinical Trials and Observational Studies Workshop”. American Society of Pediatric Nephrology Meetings, May 2006, San Francisco, CA

Conference Organizer: American Society of Pediatric Nephrology Meetings, May 2006, San Francisco, CA

Session Chair: Epidemiology, Outcomes, and Clinical Trials in CKD, ASN Annual Meeting November 14 – 19, 2006, San Diego, CA

Abstract Review Category Chair, ASN Annual Meeting, Clinical Nephrology: Epidemiology, Outcomes, Clinical Trials, Health Services Research. November 14- 19, 2006, San Diego, CA

ASPEN Program Committee Member, 2007

Grant Reviewer Special Emphasis Panel: “Chronic Kidney Diseases Ancillary Studies” NIH/NIDDK April 30, 2007, Bethesda, MD

Session Chair: “Mechanisms and Management of Dyslipidemia in Children and Adolescents”, Pediatric Academic Societies Annual Meeting, May, 2007, Toronto, Canada

Session Chair: “Literature Review: The Year in Nephrology, Glomerular Diseases and Pediatric Nephrology, ASN Renal Week 2007, November 2-5, San Francisco, CA

Scientific Program Committee, 15<sup>th</sup> Congress of the International Pediatric Nephrology Association, August 29-September 2, 2010.

## **RECOGNITION**

### **I. Honors and Awards**

1980-1984

Benjamin Franklin Scholar  
University of Pennsylvania

1984	Honors Thesis with Distinction in the Major University of Pennsylvania
1984	Summa Cum Laude University of Pennsylvania
1984	Phi Beta Kappa Society University of Pennsylvania
1993	Graduate Training Program in Clinical Investigation. Tuition Award, Jointly Administered by the Johns Hopkins School of Hygiene and Public Health and School of Medicine
1994-1996	Harriet Lane Home Research Fellowship Award
1996-1998	Renal Disease Epidemiology Training Grant Award
1999	Johns Hopkins Comprehensive Transplant Center Clinical Research Award
1999	American Society of Transplantation Young Investigator Award
1999-2000	“Pediatric Leaders for the 21st Century”- American Society of Pediatric Nephrology
2001	Elected Member, Society for Pediatric Research
2002	ASPN Research Committee Member
2004	ASPN Research Committee Chair
2005	Elected Councilor, American Society of Pediatric Nephrology
2006	Elected Councilor, Society Pediatric Research

## **II. Selected Invited Talks/Panels**

2000-2001	Invited Panel Member -	National Kidney Foundation Kidney Disease Outcomes Quality Initiative Working Group. (Pediatric Chronic Kidney Disease Guidelines) in Children and Adolescents: Evaluation, Classification and Stratification.
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2000-2001	Invited Participant-	NIH, NIDDK, National Kidney Disease Education Project Steering Committee
2001	Invited Speaker -	Twelfth International Pediatric Nephrology Association Congress. Seattle, Washington “Developing Clinical Trials: Tools for Improving Number and Quality in Pediatric Nephrology.”
2000-2002	Invited Participant-	NIH, NIDDK Study Section Special Emphasis Panel Review groups.
2002	Invited Speaker-	NIH, NIDDK. Task Force on Chronic Kidney Disease in Children. “Epidemiologic approaches to the Study of CKD in Children.” April 23-24, 2002, Bethesda, MD
2002	Invited Speaker-	National Kidney Foundation Clinical Nephrology Meetings, “Pediatric K/DOQI” Spring 2003, Dallas, Texas
2003	Invited Speaker-	NIH, NIDDK – Proteinuria in CKD Workshop. “New Markers Beyond Proteinuria”, Bethesda, MD
2004	Invited Speaker-	Nutrition Week, American Society for Enteral and Parenteral Nutrition, Feb. 10, 2004. “Nutrition and Growth in Children with Chronic Renal Failure” Las Vegas, NV
2004	Invited Speaker-	American Association of Clinical Chemistry “Detecting Impaired Glomerular Filtration Rates for Assessing Chronic Kidney Disease” Los Angeles, CA, July 29, 2004
2004	Invited Speaker-	American Academy of Pediatrics “Chronic Kidney Disease in Children: The Dawning of a New Era.” San Francisco, CA, Oct. 10, 2004
2004	Invited Speaker-	American Society of Pediatric Nephrology Symposium “Epidemiology of Chronic Kidney Disease in Children and Risk Factors for Progression.” San Francisco, CA, May 2, 2004

2005	Invited Speaker-	Pediatric Nephrology Seminar, “Chronic Kidney Disease in Children”, Feb 25-March 1, 2005, Miami, FL
2005	Invited Speaker-	Visiting Professorship, University of Virginia – “Renal Grand Rounds – CKiD Study”, April 4, 2005, Charlottesville, VA
2005	Invited Speaker-	American Society of Pediatric Nephrology Workshop: Observational Study of Chronic Kidney Disease in Children “CKiD”, May 2005, Washington, DC
2005	Invited Speaker -	Welch Center Grand Rounds November 2005, Baltimore, MD
2006	Invited Participant-	Pediatric Trends, Department of Pediatrics, Johns Hopkins Hospital, April 2006, Baltimore, MD
2006	Invited Speaker-	Pediatric Nephrology Seminar XXXII, “Risk of CKD Progression” March 2006, Miami, FL
2006	Invited Speaker-	ASPEN Council Meeting March 2006, Miami Beach, FL
2006	Visiting Professorship-	Pediatric Nephrology Regional Conference Columbus Children’s – March 2006, Columbus, OH
2006	Invited Speaker-	ASPEN Clinical Trials and Observational Studies Workshop - April 2006, San Francisco, CA
2006	Invited Participant-	NIH Roadmap, May 2006, Bethesda, MD
2006	Invited Participant-	KUFA Council of Pediatric Nephrology and Urology, June 2006, New York City, NY
2006	Invited Participant	Society for Pediatric Research Council October 2006, Woodlands, TX
2006	Invited Participant-	NIH NIDDK, CKiD Presentation, September 2006, Bethesda, MD

2007	Invited Speaker-	Pediatrics Grand Rounds, Johns Hopkins Hospital, March 2007, Baltimore, MD
2007	Invited Speaker-	14 <sup>th</sup> Congress of the International Pediatric Nephrology Association, Budapest, HU “What can we learn from the US Observational CKD Childhood Study?” September 1, 2007
2007	Invited Speaker-	14 <sup>th</sup> Congress of the International Pediatric Nephrology Association, Budapest, HU “Malnutrition-inflammation syndrome and growth in CKD” September 3, 2007
2007	Invited Participant-	NIH/NIDDK Chronic Kidney Disease (CKD) Scientific Forum June 2007, Baltimore, MD
2007	Invited Participant-	American Society of Nephrology’s Renal Week 2007, San Francisco, CA
2007	Invited Speaker-	NIH/NIDDK Focused Opportunities for Clinical Research in Kidney Disease, January 29-30, 2007, Bethesda, MD
2007	Invited Speaker-	American Society of Nephrology Renal Week 2007, “Use of Iohexol in Measuring GFR in Chronic Kidney Disease in Childhood” San Francisco, CA November 2-6, 2007 in “Measures of Kidney Functions Beyond Creatinine Session”
2008	Invited Speaker-	Montefiore Pediatric and Renal Grand Rounds, “Update on CKiD Study,” Bronx, NY, January 16, 2008
2008	Invited Speaker-	Mount Sinai Pediatric Grand Rounds, “Update on CKiD Study,” New York, NY, January 17, 2008
2008	Invited Speaker-	Pediatric Academic Society, ASPN, “CKiD – What We have Learned in the First 5 Years,” Honolulu, HI, May 5, 2008

### III. Invited Reviews (National & International)

1. Furth SL, Herman J, Powe NR. Cardiovascular Risk Factors, Comorbidity and Survival Outcomes in Black and White Dialysis Patients. *Seminars in Dialysis*, 1998, 11:102-105.
2. Furth SL, Alexander DC, Neu AM, Hwang W, Powe NR, Fivush BA. Does Growth Retardation Indicate Suboptimal Clinical Care in Children with Chronic Renal Insufficiency and those on Dialysis? *Seminars in Nephrology*, 2001, 21(5):463-469.
3. Furth SL, Gerson AC, Neu MN, Fivush BA. The Impact of Dialysis and Transplantation on Children. *Advances in Renal Replacement Therapy*, 2001, 8(3):206-213.
4. Furth SL, Fivush BA. Varicella Vaccination in Pediatric Kidney and Liver Transplant Candidates. *Pediatric Transplantation*, 2002, 6: 97-100.
5. Veltri M, Parekh RS, Neu AM, Fivush BA, Furth SL. Drug Therapy during Hemodialysis: Special Considerations in Pediatric Patients. *Pediatric Drugs*, 2004, 6:45-65.
6. Fadrowski J, Furth SL. Varicella Vaccination in Patients with Renal Failure. *Expert Review of Vaccines*, 2004, 3 (3): 291-8.
7. Furth SL. Growth and Nutrition in Children with CKD. *Advances in Chronic Kidney Disease*, 2005, 12:366-371.
8. Goldstein SL, Gerson AC, Goldman CW, Furth S. Quality of Life for Children with Chronic Kidney Disease, *Seminars in Nephrology*, 2006 26:114-117.
9. McGill JB, Furth S, Kaskel FJ. Obesity: Growing Impact on CKD. *Advances in Chronic Kidney Disease*. 2006, 13(4):323-4.
10. Schwartz G, Furth S. Measurement of Creatinine. *Pediatric Nephrology*, in press, 2007.
11. Goldstein SL, Gerson AC, Furth S, Health-Related Quality of Life for Children with Chronic Kidney Disease. *Advances in Chronic Kidney Disease*, 2007. Oct; 14(4):364-369.

#### **IV. Alternative Media**

Interviewed by: Baltimore Sun, Howard County Times, 1999

Interviewed by: Reuter's Health for On-line Health News, 2000

Interviewed by: WebMD for Health News, 2000

Interviewed for: Gastroenterology and Endoscopy News, 2000

Featured in: The Johns Hopkins Children's Center Research Report: Taking the Next Step into the Future of Medicine; 2002. "Today's Discoveries, Tomorrow's Cures."

Interviewed for: Johns Hopkins Health Minute, 2003

Featured in: Outreach – Johns Hopkins Comprehensive Transplant Center, Vol. 3, Issue 1, Spring 2003

Interviewed for: Johns Hopkins Magazine, 2005

Featured in: News Release – Johns Hopkins Children's Center, July 2006

Interviewed for: News Release – Johns Hopkins Children's Center, November 2006

Interviewed for: Baltimore Sun, 2006, for CKiD Study

Interviewed for: Baltimore Examiner, 2006, for CKiD Study, "Hopkins Leads Kidney Disease Study," August 1, 2006

Featured in WJZ News 13, For Hospital Based Online Pediatric Environment – Local Non-Profit of the Year, 2006

Interviewed for Nephrology News and Issues, "Sifting through the kids: should children be screened for CKD?" November 2006

Named one of "Baltimore's Top Pediatricians" by Baltimore Magazine in December 2007

Interviewed for Renal and Urology News, "Proteinuria, a useful measure in Kids", in press, 2007