

CURRICULUM VITAE



Arlene C. Gerson, Ph.D.

October 13, 2020

Date of Version

EDUCATION AND TRAINING

Undergraduate

1976-1980 BA Washington University, St Louis, Missouri
Majors: Psychology, Education
Graduated with High Honors

Doctoral/Graduate

1986-1988 MS Nova Southeastern University, Ft. Lauderdale FL; Clinical Psychology
1988-1992 PhD Nova Southeastern University, Ft. Lauderdale FL; Clinical Psychology
Specializations in Child Psychology, Neuropsychology, Pediatric Psychology,
Developmental Disabilities

Residency/Fellowship

1991-1992 American Psychological Association approved Internship & Residency; Kennedy Krieger Institute,
Johns Hopkins University School of Medicine
1992-1993 Postdoctoral Fellowship; Kennedy Krieger Institute, Johns Hopkins University School of Medicine

PROFESSIONAL EXPERIENCE

1993-1998 Faculty Department of Behavioral Psychology; Kennedy Krieger Institute, Baltimore, MD
1993-1998 Coordinator Pediatric Psychology Outpatient Clinic, Kennedy Krieger Institute, Baltimore, MD
1993-1998 Instructor, Department of Psychiatry, Johns Hopkins University School of Medicine
1999-2003 Director Adherence Clinic, Pediatric and Adolescent HIV Program;
Johns Hopkins Children's Center
1999-2008 Assistant Professor, Department of Pediatrics, Johns Hopkins University School of Medicine
1999-2011 Co-Director, Pediatric Voiding Dysfunction Program; Brady Urological Institute,
Johns Hopkins Hospital
2003-2015 Director, Camp All Stars; Division of Pediatric Nephrology,
Johns Hopkins University School of Medicine
2004-2012 Director Kidney Advocacy Programs in Pediatrics (KAPP); Division of Pediatric Nephrology,
Johns Hopkins University School of Medicine
2009-2015 Associate Professor, Department of Pediatrics, Johns Hopkins University School of Medicine
2009-2015 Associate Professor, Department of Epidemiology, Bloomberg School of Public Health

RESEARCH ACTIVITIES

Peer Reviewed Publications

1. Slifer KJ, Cataldo MF, Cataldo MD, Llorente AM, **Gerson AC**. Behavior analysis of motion control for pediatric neuroimaging. *Journal of Applied Behavior Analysis*, 26:469-470, 1993.
2. Slifer KJ, Tucker CL, **Gerson AC**, Cataldo MA, Sevier RC, Suter AH, Kane AC. Operant conditioning for behavior management during post traumatic amnesia in children and adolescents with brain injury. *Journal of Head Trauma Rehabilitation*, 11(1): 39-50, 1996.
3. Slifer K, Manikam R, Cataldo MD, **Gerson A**, Pace G & Tucker C. Managing the interface between treatment technology and children with disabilities. In E. Makas & L Schlesinger (Eds.), *End results and starting points: Expanding the field of disability studies*. ME: The Society for Disability Studies & The Edmund S. Muskie Institute of Public Affairs, 1996.
4. Gerring JP, **Gerson AC**, Freund, L, Joshi PT, Cappozzoli J, Frosch E, Brady K, Denckla MB. Psychosomatic characteristics of the Children's Apathy Scale. *Psychiatry Research*, 63: 205-217, 1996.
5. **Gerson AC**, Gerring JP, Freund L, Joshi PT, Capozzoli J, Brady K, Denckla MB. Psychometric characteristics of the Children's Affective Liability Scale: An evaluation of reliability. *Psychiatry Research*, 65:189-198, 1996.
6. Slifer KJ, Tucker CL, **Gerson AC**, Sevier RC, Kane AC, Amari A, Clawson BP. Antecedent management and compliance training improve adolescent's participation in early brain injury rehabilitation. *Brain Injury*, 11(12): 877-889, 1997.
7. Amari A, Slifer KJ, **Gerson AC**, Schenck E, Kane A. Treating selective mutism in a paediatric rehabilitation patient by altering environmental reinforcement. *Pediatric Rehabilitation*, Apr-Jun(3):59-64, 1999.
8. **Gerson AC**, Joyner M, Fosarelli P, Butz A, Wissow L, Lee S, Marks P, Hutton N. Disclosure of HIV diagnosis to children: When, Where, Why & How. *Pediatric Health Care*, 15, 161-7, 2001.
9. Furth SL, **Gerson AC**, Neu AM, Fivush BA. The impact of dialysis and transplantation on children. *Advances in Renal Replacement Therapy*, 8(3), 206-13, 2001.
10. **Gerson AC**, Furth S, Neu A, Fivush B. Assessing associations between medication adherence and potentially modifiable psychosocial variables in pediatric kidney transplant recipients. *Journal of Pediatric Transplantation*, 8(6), 543-550, 2004.
11. **Gerson A**, Hwang W, Fiorenza J, Barth K, Kaskel F, Weiss L, Zelikovsky N, Fivush B, Furth S. Anemia and health-related quality of life in adolescents with chronic kidney disease. *American Journal of Kidney Disease*, 44(6), 1017-1023, 2004.
12. **Gerson AC**, Riley A, Fivush BA, Pham N, Fiorenza J, Robertson J, Chandra M, Trachtman H, Weiss R, Furth SL. Assessing health status and health care utilization in adolescents with chronic kidney disease. *Journal of American Society of Nephrology*, 16(5), 1427-1432, 2005.
13. Warlick CA, Mathews R, **Gerson AC**. Keeping child sexual abuse on the urologic radar screen. *Urology*, 66 (6), 1143-1378, 2006.

14. Fadrowski J, Cole SR, Hwang W, Fiorenza J, Weiss RA, **Gerson A**, Furth SL. Changes in physical and psychosocial functioning among adolescents with chronic kidney disease. *Pediatric Nephrology*, 21(3), 394-9, 2006.
15. Goldstein, S, **Gerson AC**, Goldman CW, Furth, S. Quality of life of children with chronic kidney disease. *Seminars in Nephrology*, 26(2), 114-117, 2006.
16. **Gerson AC**, Butler R, Moxy-Mims M, Wentz A, Shinnar S, Lande M, 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 (MRDDRR)*, 12(3), 208-215, 2006.
17. Furth SL, Cole SR, Fadrowski J, **Gerson AC**, Chandra M, Weiss R, Kaskel F. Anemia, hypoalbuminemia and the annual rate of change in GFR among adolescents with CKD. *Pediatric Nephrology*, 22(2), 265-271, 2007.
18. Passley JA, Gerring JP, **Gerson AC**. The relationship between paternal involvement and child outcomes in male African American youth. *The Forum on Public Policy Online*, Winter 2007. <http://www.forumonpublicpolicy.com/archive07/passley.pdf> (accessed 2/12/2007).
19. Goldstein SL, **Gerson AC**, Furth, S. Quality of life for children with chronic kidney disease. *Advances in Chronic Kidney Disease*, 14(4), 364-369, 2007.
20. Dodson JL, Diener-West M, **Gerson AC**, Kaskel FJ, Furth SL. 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*, 178(2), 660-665, 2007.
21. Nemett D, Fivush BA, Mathews R, Eldridge M, Finney K, **Gerson AC**. A randomized controlled trial of the effectiveness of osteopathic-based manual physical therapy in treating pediatric dysfunctional voiding. *Journal of Pediatric Urology*, 4(2), 101-106, 2008.
22. Keren R, Carpenter M, Hoberman A, Shaikh N, Mattoo T, Chesney R, Mathews R, **Gerson A**, Greenfield S, Fivush B, McLorie G, Rushton G, Canning D, Nelson C, Greenbaum L, Bukowski T, Primack W, Sutherland R, Hosking J, Stewart D, Elder J, Moxey-Mims M, Nyberg L. Rationale and design issues of the randomized intervention for children with vesicoureteral reflux (RIVUR) study. *Pediatrics*, 122(5 Suppl), S240-S250, 2008. PMC2842127
23. Dodson JL, **Gerson AC**, Kaskel FJ, Weiss RA, Furth SL. Parent perspectives of health related quality of life of adolescents with chronic kidney disease due to underlying urological disorders: An assessment using the Child Health Questionnaire-Parent Form 50. *Journal of Urology*, 180(4 Suppl), 1700-1704, 2008.
24. **Gerson AC**, Wentz A, Abraham A, Mendley SR, Hooper SR, Butler RW, Gipson DS, Lande MB, Shinnar S, Moxey-Mims M, Warady BA, Furth SL. Health Related Quality of Life of children with mild to moderate chronic kidney disease. *Pediatrics*, 125(2): e349-e357, 2010.
25. Roumelioti ME, Wentz A, Schneider MF, **Gerson AC**, Hooper S, Benfield M, Warady BA, Furth SL, Unruh ML. Sleep and Fatigue in children and adolescents with CKD: A Cross-sectional Analysis from the Chronic Kidney Disease in Children (CKiD) Study. *American Journal of Kidney Disease*, 55(2):269-280, 2010. PMID: PMC2814922
26. Hooper SL, **Gerson AC**, Butler RW, Gipson DS, Mendley SR, Lande MB, Shinnar S, Wentz A, Matheson M, Cox C, Furth SL, Warady BA. Neurocognitive functioning of children and adolescents with mild to moderate chronic kidney disease. *Clinical Journal of the American Society of Nephrology*, 6(8):1824-1830, 2011. PMID: PMC3156421

27. Lande MB, **Gerson AC**, Hooper SR, Cox C, Matheson M, Mendley SR, Gipson DS, Wong C, Warady BA, Furth SL, Flynn JT. Casual blood pressure and neurocognitive function in children with chronic kidney disease: a report of the children with chronic kidney disease cohort study. *Clinical Journal of the American Society of Nephrology*, 6(8):1831-1837, 2011.
28. Al-Uzri A, Matheson M, Gipson DS, Yadin O, Furth SL, Warady BA, **Gerson AC**. The impact of short stature on HRQOL in children with CKD. *J Pediatr*. Sep;163(3):736-41, 2013.
29. RIVUR Trial Investigators, Hoberman A, Greenfield SP, Mattoo TK, Keren R, Mathews R, Pohl HG, Kropp BP, Skoog SJ, Nelson CP, Moxey-Mims M, Chesney RW, Carpenter MA. *N Engl J Med*, 370(25): 2367-2376, 2014.
30. Hartung EA, Matheson M, Lande MB, Dell KM, Guay-Woodford LM, **Gerson AC**, Warady BA, Hooper SR, Furth SL. Neurocognition in children with autosomal recessive polycystic kidney disease in the CKiD Cohort Study. *Pediatr Nephrol*. Oct;29(10):1957-65, 2014.
31. Mendley SR, Matheson MB, Shinnar S, Lande MB, **Gerson AC**, Butler RW, Warady BA, Furth SL, Hooper SR.. Duration of chronic kidney disease reduces attention and executive function in pediatric patients. *Kidney Int*, 87(4): 800-806, 2015.
32. Kogan AJ, Matheson MB, Flynn JT, **Gerson AC**, Warady BA, Furth SL, Hooper SR. Depressive symptoms in children with chronic kidney disease: A report from the Chronic Kidney Disease in Children cohort study. *JPediatr*, 168:164-170, 2016.
33. Lande MB, Mendley SR, Matheson MB, Shinnar S, **Gerson AC**, Samuels JA, Warady BA, Furth SL, Hooper SR. Association of blood pressure variability and neurocognition in children with chronic kidney disease. *Pediatr Nephrol*, Nov;31(11):2137-44, 2016.
34. Hooper SR, **Gerson AC**, Johnson RJ, Mendley SR, Shinnar S, Lande MB, Matheson MB, Gipson DS, Morgenstern B, Warady BA, Furth SL. Neurocognitive, Social-Behavioral, and Adaptive Functioning in Preschool Children with Mild to Moderate Kidney Disease. *J Dev Behav Pediatr*, 37(3):231-8, 2016.
35. Wong C, **Gerson AC**, Hooper SR, Matheson M, Lande MB, Kuperman J, Furth SL, Warady BA, Flynn J. Effect of elevated blood pressure on quality of life in children with chronic kidney disease. *Pediatr Nephrol*, Jul;31(7):1129-36, 2016.
36. Harshman LA, Johnson RJ, Matheson MB, Kogon AJ, Shinnar S, **Gerson AC**, Warady BA, Furth SL, Hooper SR. Academic achievement in children with chronic kidney disease: A report from the CKiD cohort. *Pediatr Nephrol*, Apr;34(4):689-696, 2019.
37. Harshman LA, Kogon AJ, Matheson MB, Johnson RJ, Shinnar S, **Gerson AC**, Warady BA, Furth SL, Hooper SR, Lande MB. Bicarbonate, blood pressure, and executive function in pediatric CKD-is there a link? *Pediatr Nephrol*. 2020 Jul;35(7):1323-1330. doi: 10.1007/s00467-020-04507-5. Epub 2020 Apr 15. PMID: 32297000.
38. Carlson J, **Gerson AC**, Matheson MB, Manne S, Warady BA, Hooper SR, Lande M, Harshman LA, Johnson RJ, Shinnar S, Kogon AJ, Furth S. A longitudinal analysis of the effect of anemia on health-related quality of life in children with mild-to-moderate chronic kidney disease. *Pediatr Nephrol*. 2020 Sep;35(9):1659-1667. doi: 10.1007/s00467-020-04569-5. Epub 2020 Apr 24. PMID: 32333284.
39. Johnson RJ, **Gerson AC**, Harshman LA, Matheson MB, Shinnar S, Lande MB, Kogon A, Gipson DS, Warady BA, Furth SL, Hooper SR. A longitudinal examination of parent-reported emotional-behavioral functioning of children with mild to moderate chronic kidney disease. *Pediatr Nephrol*. 2020 Jul;35(7):1287-1295. doi: 10.1007/s00467-020-04511-9. Epub 2020 Mar 10. PMID: 32157444.

Editorials, Reviews, & Letters to the Editor

1. **Gerson AC**. Review of B Melamed, K Matthews, D Routh, B Staubler, & N Schneiderman. Child Health Psychology. Hillside, NJ: Lawrence Erlbaum Associates. *Journal of Clinical Child Psychology*, 18(1): 90-91, 1989.
2. **Gerson AC**. Editorial Comment on Kawauchi et al. Follow-up study on bedwetting from 3-5 years of age. *Urology*, 58(5), 776, 2001.
3. **Gerson AC**. Editorial Comment on Weide et al. Dysfunction of the lower urinary tract in renal transplant children with nephrological disease. *Urology*, 63, 844, 2006.
4. Mathews R, **Gerson AC**. Mining databases: What can we learn? *Journal of Urology*. 183(5):1673-4, 2010.

Book Chapters

1. **Gerson AC**, Furth SL. Quality of life of children on dialysis. In *Pediatric Dialysis*. (Edited by: BA Warady, RN Fine, SR Alexander, F Schaefer), Chapter 28, 471-484, Kluwer Biomedical Unit, 2004.
2. Wise B, **Gerson AC**, Kinsman K, Docimo SG. Voiding dysfunction. In *Pediatric Urology* (Edited by J. Gearhart), Chapter 9, 211-230, Humana Press NJ, 2004.
3. **Gerson AC**, Harrison C, Furth SL. Psychosocial and ethical issues in chronic kidney disease. In *Comprehensive Pediatric Nephrology* (Edited by: F Schaefer & J Geary), Chapter 52, 811-816, Mosby-Elsevier Philadelphia PA, 2008.
4. **Gerson AC**, Furth SL. Health-related quality of life in children on dialysis. In *Pediatric Dialysis, 2nd Edition*. (Edited by: BA Warady, RN Fine, SR Alexander, F Schaefer), Chapter 34, 661-771, Springer Press, 2012.
5. Hooper SR, **Gerson AC**. Neuropsychological functioning in chronic kidney disease across the lifespan. In *Lifespan Neuropsychology*. (Edited by: IS Baron & C Rey-Casserly) Oxford University Press New York, 2013.
6. **Gerson AC**. Psychosocial and ethical issues in children with chronic kidney disease. In *Pediatric Nephrology*, (Edited by F Schaefer & J Geary), Chapter 60, 1603-24, Springer-Verlag Berlin Heidelberg, 2016.

Community Outreach Publications

1. Finney K, **Gerson AC**. Voiding Dysfunction-Is my child lazy or is there a real problem? *Family Urology*, V(2), 11-13, 1999.
2. **Gerson AC**, Marks P. Disclosure: A discussion with children infected with HIV. Video produced in cooperation with the Johns Hopkins Hospital Pediatric HIV Support Group and the Johns Hopkins Hospital Child Life Department, 1999.
3. **Gerson AC**, Fivush B. Increasing compliance with dialysis. *Family Focus*, 10(3), 13, 2001.
4. **Gerson AC**, Neu A. Making a successful transition from supervised living to independent living. *Family Focus*, 10(4), 13, 2002.
5. **Gerson AC**, Fivush B. Communicating with your doctor. *Family Focus*, 12(4), 12, 2003.

6. Bounds B, **Gerson AC**. Time well spent on hemodialysis: Enriching your run. *Family Focus*, 13(1), 2004.
7. **Gerson AC**, Bounds B. Enriching your child's life outside of the hemodialysis unit. *Family Focus*, 13(2), 12, 2004.
8. Eldridge M, **Gerson AC**. Pediatric Voiding Dysfunction: Real kids with a real problem. *Family Urology*, 9(1), 22-25, 2004.
9. **Gerson AC**. Preparing to care for a very special gift. *Family Focus*, 13(4), 10, 2004.
10. **Gerson AC**, Fivush BA. Achieving good mental health: The importance of managing parent stress. *Family Focus*, 14 (3), 12, 2005.
11. **Gerson AC**, Neu AM, Fivush BA. The quality of life of children with chronic kidney disease: The importance of balancing life and planning for the future. *Family Focus*, 15(2), 7, 2006.
12. Eldridge M, Spriggs K, **Gerson AC**. Preparing for bladder neck reconstruction. *Association for Bladder Exstrophy Newsletter*, 2, 5, 2008.
13. **Gerson AC**, Moss AH, Foreman JW, Glover JL, Fadrowski J, Moudgil A, Goldstein SL, Fivush BA. Guideline recommendations and their rationales for the treatment of neonates, infants, children, and adolescents. In: Renal Physicians Association (RPA) Monograph, Shared decision-making in the appropriate initiation of withdrawal from dialysis. 2nd ed. Rockville (MD): Renal Physicians Association (RPA); 2010.

EXTRAMURAL FUNDING

I have received over \$200,000 in grants from private organizations to support research and clinical work. Details of this funding is available upon request.

PARTICIPATION IN NIH TRIALS

- | | |
|-----------|---|
| 1992-1997 | NIMH Grant 1K20MH00997
Title: "Pathology of Frontal Lobe Injury in Childhood"
Role: Consultant, Research Associate, Co-Investigator |
| 1994-1998 | NICHD 1P30HD24061
Title: Mental Retardation Research Center
Role: Behavior Science Core Consultant |
| 1999-2004 | NIH K08DK02586
Title: "Assessing Patient Outcomes in Children with End Stage Renal Disease"
Role: Research Associate |
| 2001-2004 | NIH, NIDDK RO3 DK59830-Supplemental Funding for K08DK02586
Title: "Assessing Functional Outcomes in Adolescents with ESRD"
Role: Co-Investigator |
| 2005-2015 | NIH U01 DK074082
Title: "Clinical Study of Vesicoureteral Reflux in Children"
Principal Investigator: Ran Mathews, MD
Role: Co-Investigator, Steering Committee Member |

2003-present NIH U01 DK66174
Title: "Chronic Kidney Disease in Children"
Principal Investigator: Susan Furth, MD
Roles: Co-Investigator, Steering Committee Member, Co-Chair Neurocognitive Workgroup

PROFESSIONAL SOCIETIES (PAST OR CURRENT)

American Psychological Association, Anxiety and Depression Association of America, Society of Pediatric Psychology, Association of Applied Behavior Analysis, Maryland Psychological Association, Society for Behavioral Medicine, Kidney and Urology Foundation of America, National Kidney Foundation of Maryland, American Society of Pediatric Nephrology

AWARDS AND HONORS

1977 Kentucky Colonel
Awarded by Governor Jullian Carroll

1980 High Honors
Washington University, St. Louis MO

1983 NIMH Traineeship
University of Dayton, Dayton OH

1988 Graduate Student Research Scholar Grant
Society of Pediatric Psychology

1988 Center for Psychological Studies Student Research Award
Nova Southeastern University

1989 American Psychological Association
Dissertation Award

1999 Hopkins Comprehensive Transplant Center
Clinical Research Award

2002 National Kidney Foundation of Maryland Professional Development Award

2006 Maryland National Guard Certificate of Appreciation
Awarded by Brigadier General Edward A. Leacock, MDARNG

2007 Maryland National Guard Certificate of Appreciation
Awarded by Brigadier General Peter C. Hinz, MDARNG

2008 Maryland Air National Guard Certificate of Appreciation
Awarded by Brigadier General Guy M. Walsh, MDANG 175 Wing Commander

2009 United States Army Freedom Team Salute Certificate of Appreciation
Awarded by US Army Chief of Staff General George W. Casey

2009 Department of the United States Army, Achievement Medal for Civilian Service
Awarded by Brigadier General Alberto J. Jimenez