

CURRICULUM VITAE

NAME: MARGARET RUTH WILLIAMS

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ACADEMIC DEGREES:

- Ed.D. 2001 The University of Memphis, Memphis, TN (Adult Education. Dissertation: "A New Model For Explaining Obesity in African American Women: A Blended Approach.")
- M.S. 1982 University of Mississippi, Oxford, MS (Nutrition and Food Service Administration. Thesis: "The Fetal Alcohol Syndrome in Wistar Rats.")
- B.S. 1980 University of Mississippi, Oxford, MS (Home Economics Education)
- A.S. 1977 Northwest Mississippi Junior College, Senatobia, MS (Home Economics)

PROFESSIONAL APPOINTMENTS:

- 2008- Assistant Professor and Director, Dietetic Masters/ Internship Program, University of Memphis; Memphis, TN.
- 1996 to 2008 Director, Clinical Nutrition Services, St. Jude Children's Research Hospital; Memphis, TN
- 1995-96 Interim Director, Food and Nutrition Services, St. Jude Children's Research Hospital, Memphis, TN
- 1989-95 Chief Clinical Dietitian, Food and Nutrition Services, St. Jude Children's Research Hospital, Memphis, TN
- 1988-89 Chief Clinical Dietitian, St. Joseph Hospital, Food and Nutrition Services, Memphis, TN
- 1986-88 Nutritionist, The University of Tennessee, Department of Obstetrics and Gynecology, Memphis, TN
- 1984-86 Temporary Instructor, Department of Consumer Science and Education, Memphis State University, Memphis, TN
- 1983-84 Dietitian, for Renal Dialysis and Intensive Care patients, Preceptor for Memphis State University Dietetic Students, Methodist Hospital Central, Memphis, TN

1982-83 Clinical Dietitian, Grenada County Hospital; Grenada, MS
 1980-81 Teacher, Marvell Academy; Marvell, AR

PART TIME/ CONSULTANT/ VOLUNTEER:

2001 to Present Part-time Faculty, The University of Memphis, 2003 named changed to Department of Health and Sports Sciences, 2001-03 Department of Consumer Science and Education, Memphis, TN
 2003- present Advisory Council/ Undergraduate dietetics and graduate/internship programs

1988 to 2000 Adjunct Faculty, The University of Memphis, Department of Consumer Science and Education, Dietetic Masters Program, Memphis, TN
 1988 to present- Preceptor for graduate and undergraduate students
 1997 and 1998- Dietetic Internship Admissions Committee
 1998- Faculty Search Committee

1998 to present Advisory Committee, Southwest Tennessee Community College, Department of Clinical Nutrition, Dietetics, & Food Service Administration
 1989- present – Preceptor for dietetic technician students
 1999-00 - Curriculum Committee
 2000-01 - Scholarship Development Committee
 2004-presnet – Advisory Committee
 2005-08 – Cleo Long Scholarship Award Committee

1987- 00 Volunteer Nutritionist, The Church Health Center; Memphis, TN
 1998- 01 Explorer Post Coordinator, St. Jude Children's Research Hospital
 1986 Temporary Instructor, Shelby State Community College; Memphis, TN
 1991-92 Instructor, Union University School of Nursing; Memphis, TN campus
 1994-95 Instructor, Union University School of Nursing, Memphis, TN campus

HONORS AND AWARDS:

Kappa Delta Pi Honor Society
 Phi Kappa Phi Honor Society
 Kappa Omicron Phi Honor Society
 Phi Theta Kappa Honor Fraternity
 Academic Scholarship, 1975-77, Northwest Mississippi Community College
 Creative Education Award, 1998, Pediatric Practice Group, The American Dietetic Association
 Glenda Bible Memorial Scholarship, 1999-00, Pediatric Practice Group, The American Dietetic Association Foundation
 Kraft Foods Fellowship, 2000-01, The American Dietetic Association Foundation
 Excellence in Clinical Nutrition Practice Team Award, 2003-04, The American Dietetic Association, Clinical Nutrition Management Practice Group

Memphis District Dietetics Association, Outstanding Dietetics Educator Award, 2005
 Research Dietitians Practice Group Travel Scholarship, 2007

PROFESSIONAL SOCIETY MEMBERSHIPS:

1982- present	American Dietetic Association, registration and member, Practice Group memberships- Clinical Nutrition Management, Research, Oncology Nutrition, Pediatric Nutrition (2000- 2002- State Networker, 2006-07 Co-Chair Grants and Awards, 2007-2008 Chair Grants and Awards)
1982-92	Mississippi Dietetic Association
1983 to present	Memphis District Dietetic Association 1984-95 Dial-a-Dietitian 1985-86 Newsletter Editor 1992-93 Newsletter Editor 1986-87 Education Program Coordinator 1988-90 Quality Assurance Committee 1990-92 Diet Manual Committee Chairman 1992-94 Quality Assurance Chairman 1994-96 Scholarship Committee Chairman 2004-05 Scholarship Committee 2005-06 Scholarship Committee 2007-08 Scholarship Committee Chair
1989 to present	Dietitians in Pediatric Practice, Memphis Chapter
1992 to present	Tennessee Dietetic Association 1992-94 Quality Assurance Chairman 2006 Scholarship Committee
2001	Reviewer - <i>Cancer Practice</i>
2003	Nutrition Support Panel Member, National Comprehensive Cancer Network
2003	Reviewer - <i>Journal of Pediatrics</i>
2004, 2005	Reviewer - <i>European Journal of Clinical Nutrition</i>
2005	Reviewer - <i>Pediatric Research</i>
2005	Reviewer - <i>ADA's Internet based Nutrition Care Manual</i>
	Reviewer – <i>Journal of the American Dietetics Association</i>
2006	Reviewer - <i>Evidence Based Complementary and Alternative Medicine; Pediatric Blood and Cancer</i>

PUBLICATIONS:**Manuscripts**

1. Williams R, Wang W. Managing osteopetrosis in children: A nutrition challenge. *Journal of The American Dietetic Association* 96:172-175, 1996.
2. Mathew P, Bowman L, Williams R, Jones D, Rao B, Schropp K, Warren B, Klyce MK, Whittington G, Hudson, M. Complications and effectiveness of gastrostomy feedings in pediatric cancer patients. *Journal of Pediatric Hematology Oncology* 18:81-85, 1996.
3. Williams R, Wang W. Nutrition assessment in children with sickle cell anemia. *Journal of the Association for Academic Minority Physicians* 8:44-48, 1997.
4. Eck LH, Slawson DL, Williams R, Smith K. Clinical dietitians need to incorporate research into their practice: A proposed model for making this possible. *Journal of The American Dietetic Association* 98:451-457, 1998.
5. Williams R, Virtue K, Adkins A. Patient room service improves patient food intake and satisfaction with hospital food. *Journal of Pediatric Oncology Nursing* 15(3): 183-189, 1998.
6. Ringwald-Smith K, Williams R, Horwitz E, Schmidt M. Determination of energy expenditure in the bone marrow transplant patient. *Nutrition in Clinical Practice* 13(5): 215-218, 1998.
7. Bowman L, Williams R, Sanders M, Smith K, Baker D, Gajjar A. An algorithm for nutrition support: Experience of the Metabolic and Infusion Support Service of St. Jude Children's Research Hospital. *International Journal of Cancer Supplement II*: 76-80, 1998.
8. Eck-Clemens L, Slawson, DL, Williams R, Smith K. Well defined outcomes documentation needed. *Journal of The American Dietetic Association* 99: 16-17, 1999 [Letter to the Editor].
9. Ringwald-Smith K, Williams R, Mackert B, Stricklin L, Sargent T, Bowman L. Comparison of energy expenditure equations with measured energy expenditure in obese adolescent patients with cancer. *Journal of The American Dietetic Association* 99: 844-848, 1999.
10. Todd J, Schmidt M, Williams R, Christian J. Controversies in Cancer Care: The low bacteria diet for immunocompromised patients: reasonable prudence or clinical superstition? *The Cancer Practice Journal*, 205-207, 1999
11. Ringwald-Smith K, Ludwig M, Williams R, Thompson A, Bowman L, Hale G, Shochat S, Liu A, Barkley C. Comparison of two different low profile gastrostomy enteral

- feeding devices in pediatric oncology patients. *Nutrition in Clinical Practice*, 15:189-192, 2000.
12. Buchowski MS, Townsend KM, Williams R, Chen KY. Patterns and energy expenditure of free-living physical activity in adolescents with sickle cell disease. *Journal of Pediatrics*, 140(1):86-92, 2002.
 13. Williams R, Mackert P, Fletcher L, Olivi S, Tian G-L, Wang W. Comparison of energy prediction equations to measured resting energy in children with sickle cell anemia. *Journal of The American Dietetic Association*, 102 (7): 956-961, 2002.
 14. Williams R, Hinds PS, Ke W, Hu XJ. A comparison of calorie and protein intake in hospitalized pediatric oncology patients dining with a caregiver versus patients dining alone: A randomized, prospective clinical trial. *Journal of Pediatric Oncology Nursing*, 21(4): 223-232, 2004.
 15. Williams R, Olivi S, Li C-S, Storm M, Cremer L, Mackert P, Wang W. Oral glutamine supplementation decreases resting energy expenditure in children and adolescents with sickle cell anemia. *Journal of Pediatric Hematology Oncology*, 26(10): 619-625, 2004.
 16. Nething J, Ringwald-Smith K, Williams R, Hancock ML, Hale GA. Establishing the use of body mass index as an indicator of nutrition risk in children with cancer. *Journal of Parenteral and Enteral Nutrition*, 31(1):53-57, 2007.
 17. Fowler, Katherine T.; Williams, Ruth; Mitchell, Carol O.; Levy, Marian C.; Pope, Lucille F.; Smeltzer, Matthew P.; Wang, Winfred C. *Journal of Pediatric Hematology/Oncology*. 32(5):350-353, July 2010.
 18. Williams R, Olivi S, Schmeltzer M, Wang WC. Quality of life is associated with hemoglobin levels in children with sickle cell anemia. *J of Minority Health*. Submitted.

Books/ Book Chapters

1. Bowman L, Hudson M, Gajjar A, Sanders M, Gregornik D, Ringwald-Smith K, Williams R, Thompson K, Lussier, K, Todd J, Howard V, Bagwell, B. *The MISS Handbook. The Metabolic and Infusion Support Policy and Procedure Manual*. St. Jude Children's Research Hospital. 1998.
2. Klyce K, Smith K, Williams R. Nutrition for the Cancer Patient. In *Childhood Cancer: A Handbook from St. Jude Children's Research Hospital*. pp 243-254. G. Steen & J. Mirro, eds. Perseus Books. 2000.
3. Williams R, Smith K. Nutrition Assessment in the Pediatric Oncology Patient. In *The Clinical Guide to Oncology Nutrition*. pp 99-104. PD McCallum & CG Polisena, eds. The American Dietetic Association. 2000.

4. Williams R. Sickle Cell Disease. In *ADA's Internet based Nutrition Care Manual*. Joanne Larsen, ed. American Dietetics Association. 2004.
5. Williams R. ASPEN Nutrition Support Patient Education Manual. Addriss D, Krywda EA, eds. ASPEN, Silver Spring, MD. 2008.

Abstracts

1. Christensen ML, Hancock M, Hurwitz C, Smith C, McCormick J, Williams R, Mirro J: Parenteral nutrition increases the central venous catheter infection rate in children with cancer. The American Pediatric Society, The Society for Pediatric Research, Annual Meeting, 1991.
2. Mathew P, Bowman L, Williams R, James D, Rao B, Schropp K, Warren B, Klyce MK, Whittington G, Hudson M. Complications in pediatric cancer patients receiving gastrostomy feedings. American Society of Pediatric Hematology/ Oncology Annual Meeting, October 6-8, 1994.
3. Williams R, Wang W. Children with sickle cell disease may benefit from improved nutrition practices. *Journal of The American Dietetic Association* 96S (9), 1996.
4. Williams R, Wang W. Managing osteopetrosis in children: A nutrition challenge. *Infant Nutrition Digest* 3:12-14, 1997.
5. Williams R, Wang W. Nutrition assessment in children with sickle cell disease. Proceeding of the National Sickle Cell Disease Conference, National Sickle Cell Program, p. 396, abst. No. 339, 1997.
6. Williams R, Wynn L, Dancy R, Day S, Mackert P, Srivastava DK, Wang W. Resting energy expenditure in patients with sickle cell disease treated with hydroxyurea. Proceedings of the National Sickle Cell Disease Conference, p. 397, abst. No. 340, 1997.
7. Williams R, Humphrey W, Bryson S. Using process improvement methodology to write policy: drug/ food interactions. *Journal of The American Dietetic Association* 97S: A-50, 1997.
8. Gurley S, Smith MA, Williams, R, Crase DR. Nutrient intakes of hospitalized pediatric patients on oncology services: A Comparison of Patient Dining with Caregiver versus Dining Independently. *Journal of The American Dietetic Association* 98S: A-87, 1998.
9. Williams R, Wynn L, Cupples K, Day S, Mackert P, Liu A, Wang W. Resting Energy Expenditure in Patients with Sickle Cell Disease Treated with Hydroxyurea. Proceedings of the National Sickle Cell Disease Conference, Proceedings of the National Sickle Cell Disease Conference, p. 174, 1999.

10. West H, Smith MA, Roach R, Williams R. Effects of Glutamine Supplementation on Resting Energy Expenditure in Children with Sickle Cell Disease. *Journal of The American Dietetic Association* 99S: A-97, 1999.
11. Williams R, Wynn L, Cupples K, Day S, Mackert P, Liu A, West H, Wang W. Resting Energy Expenditure in Children with Sickle Cell Disease. *Journal of The American Dietetic Association* 99S: A-107, 1999.
12. Ringwald-Smith K, Todd J, Williams R. Staffing Needs; Determined by Acuity, Need for Medical Nutritional Therapy, Research, and Other Job Responsibilities. *Journal of The American Dietetic Association* 99S: A-124, 1999.
13. Williams R, Mackert P, Wynn L, Olivi S, Dong Q, Wang W. Resting Energy Expenditure in Children with Sickle Cell Disease. Proceedings of the National Sickle Cell Disease Conference, Proceedings of the National Sickle Cell Disease Conference National Sickle Cell Conference, p 199a, 2000.
14. Williams R, Olivi S, Mackert P, Sanford, J, Cremer, L, Storm M, Helms R, Zhou Y, Wang W. Nutritional, Clinical, and Biochemical Effects of Oral Glutamine Supplementation in Children with Sickle Cell Disease. Proceedings of the National Sickle Cell Disease Conference, p 200a, 2000.
15. Williams R, Mackert P, Fletcher L, Olivi S, Tian GL, Wang W. Improved Equations for Prediction of Resting Energy Expenditure in Children with Sickle Cell Anemia. Proceedings of the National Sickle Cell Disease Conference, abstract 225, 2001.
16. Williams R, Olivi S, Mackert P, Cremer L, Storm M, Tian GL, Wang W. Nutritional and Biochemical Effects of Oral Glutamine Supplementation in Children with Sickle Cell Anemia. Proceedings of the National Sickle Cell Disease Conference, abstract 226, 2001.
17. Williams R, Olivi S, Joan Hu, Wang W. Oral Glutamine Supplementation Improves Quality of Life for Children with Sickle Cell Disease. Proceedings of the National Sickle Cell Disease Conference, abstract 47, 2002.
18. Williams R, Sanders K, Olivi S, Wang W. Oral Glutamine Supplementation Improves Quality of Life for Children with Sickle Cell Disease. *Journal of The American Dietetic Association*, 102S: A20, 2002.
19. Williams R, Olivi S, Li C-S, Storm M, Wang W. Effects of Oral Glutamine Supplementation on Amino Acid Profiles in Children with Sickle Cell Disease. *Journal of The American Dietetic Association*, 103S: A28, 2003.
20. Williams R, Olivi S, Li C-S, Storm M, Cremer L, Wang W. Effects of Oral Glutamine Supplementation on Resting Energy Expenditure in Children with Sickle Cell Disease.

Journal of The American Dietetic Association, 103S: A28, 2003.

21. Storm MC, Helms RA, Williams R, Olivi S, Li C, Wang WC. Plasma amino acid levels in children with sickle cell disease receiving an oral glutamine supplement. *Clinical Nutrition* S1: S73, 2003.
22. Williams R, Olivi S, Li C-S, Storm M, Wang W. Effects of Oral Glutamine Supplementation on Amino Acid Profiles in Children with Sickle Cell Disease. National Sickle Cell Disease Conference Proceedings, 2004.
23. Williams R, Olivi S, Li C-S, Storm M, Cremer L, Wang W. Effects of Oral Glutamine Supplementation on Resting Energy Expenditure in Children with Sickle Cell Disease. National Sickle Cell Disease Conference Proceedings, 2004
24. Williams, R. Sickle Cell Anemia and Glutamine. Ask the Experts. *Clinical Pearls Publications, Inc.* accessed at <http://newresearch.prescription2000.com/users/experts/p2experts.htm>
25. Williams R, Cremer L, Graves JB, Smith K. Shared Decision Making: A Multidisciplinary Model. *Journal of the American Dietetic Association*. 105(8)S: A47, 2005.
26. Williams R, Smeltzer, MP, Fletcher-Pope L, Olivi S, Li CS, Hinds, P, Wang, W. Quality of life correlates with hemoglobin level but not growth in children with sickle cell anemia. *Journal of the American Dietetic Association*. 107(8)S:A42, 2007.
27. Fowler KT, Eady CO, Williams MR, Levy M, Pope LF, Smeltzer MP. Dietary water and sodium intake of children and adolescents with sickle cell anemia. 109(9)S:A-16, 2009.

POSTER SESSIONS:

1. Williams R, Wang W. Nutrition and Osteopetrosis. Tennessee Dietetic Association Annual Meeting. April, 1993.
2. K. Smith, Williams R, Krance R, Stricklin L, Smith MA, Mitchell C. Evaluation of energy requirements in children undergoing bone marrow transplant (autologous and allogeneic). Tennessee Dietetic Association, May 1996.
3. Williams R, Humphrey W, Bryson S. Using Process Improvement Methodology to Write Policy: Drug/Food Interactions. American Dietetic Association Annual Meeting and Exhibition, October 25-31, 1997.
4. Gurley S, Smith MA, Williams, R, Crase DR. Nutrient Intakes of Hospitalized Pediatric Patients on Oncology Services: A Comparison of Patient Dining With Caregiver Versus Dining Independently. American Dietetic Association Annual Meeting and Exhibition,

October 18-23, 1998.

5. Williams R, Wynn L, Cupples K, Day S, Mackert P, Liu A, Wang W. Resting Energy Expenditure in Patients with Sickle Cell Disease Treated with Hydroxyurea. National Sickle Cell Conference, March 5-9, 1999.
6. Williams R, Wynn L, Cupples K, Day S, Mackert P, Liu A, West H, Wang W. Resting Energy Expenditure in Children with Sickle Cell Disease. American Dietetic Association Annual Meeting and Exhibition, October 18-21, 1999.
7. West H, Smith MA, Williams R, Roach R. Effects of Glutamine Supplementation on Resting Energy Expenditure in Children with Sickle Cell Disease. American Dietetic Association Annual Meeting and Exhibition, October 18-21, 1999.
8. Smith K, Todd J, Williams R. Staffing Needs; Determined by Acuity, Need for Medical Nutritional Therapy, Research, and Other Job Responsibilities. American Dietetic Association Annual Meeting and Exhibition, October 18-21, 1999.
9. Williams R, Olivi S, Mackert P, Sanford, J, Cremer, L, Storm M, Helms R, Zhou Y, Wang W. Nutritional, Clinical, and Biochemical Effects of Oral Glutamine Supplementation in Children with Sickle Cell Disease. National Sickle Cell Conference, April 9-12, 2000.
10. Williams R, Mackert P, Wynn L, Olivi S, Dong Q, Wang W. Resting Energy Expenditure in Children with Sickle Cell Disease. National Sickle Cell Conference, April 9-12, 2000.
11. Williams R, Mackert P, Fletcher L, Olivi S, Tian GL, Wang W. Improved Equations for Prediction of Resting Energy Expenditure in Children with Sickle Cell Anemia. National Sickle Cell Disease Conference, April 14-17, 2001.
12. Williams R, Olivi S, Mackert P, Cremer L, Storm M, Tian GL, Wang W. Nutritional and Biochemical Effects of Oral Glutamine Supplementation in Children with Sickle Cell Anemia. National Sickle Cell Disease Conference, April 14-17, 2001.
13. Williams R, Olivi S, Joan Hu, Wang W. Oral Glutamine Supplementation Improves Quality of Life for Children with Sickle Cell Disease. National Sickle Cell Disease Conference, September 18-21, 2002.
14. Williams R, Sanders K, Olivi S, Wang W. Oral Glutamine Supplementation Improves Quality of Life for Children with Sickle Cell Disease. American Dietetic Association Annual Conference, October 19-23, 2002.
15. Storm MC, Helms RA, Williams R, Olivi S, Li C-S, Wang W. Plasma Amino Acid Levels in Children with Sickle Cell Disease Receiving an Oral Glutamine Supplement. European Society of Parenteral and Enteral Nutrition. September 21-23, 2003.

16. Williams R, Cremer L, Sousoulas JB, Horwitz M. Shared Decision Making: A Multidisciplinary Model. Nursing Management Congress, October 26-29, 2003.
17. Williams R, Olivi S, Li C-S, Storm M, Wang W. Effects of Oral Glutamine Supplementation on Amino Acid Profiles in Children with Sickle Cell Disease. American Dietetic Association Annual Conference, October 25-29, 2003.
18. Williams R, Olivi S, Li C-S, Storm M, Cremer L, Wang W. Effects of Oral Glutamine Supplementation on Resting Energy Expenditure in Children with Sickle Cell Disease. American Dietetic Association Annual Conference, October 25-29, 2003.
19. Williams R, Olivi S, Li C-S, Storm M, Wang W. Effects of Oral Glutamine Supplementation on Amino Acid Profiles in Children with Sickle Cell Disease. National Sickle Cell Disease Conference, April 17-21, 2004.
20. Williams R, Olivi S, Li C-S, Storm M, Cremer L, Wang W. Effects of Oral Glutamine Supplementation on Resting Energy Expenditure in Children with Sickle Cell Disease. National Sickle Cell Disease Conference, April 17-21, 2004.
21. Williams R, Cremer L, Graves JB, Smith K. Shared Decision Making: A Multidisciplinary Model. American Dietetic Association Annual Conference, October 12-23, 2005.
22. Williams R, Smeltzer, MP, Fletcher-Pope L, Olivi S, Li CS, Hinds, P, Wang, W. Quality of life correlates with hemoglobin level but not growth in children with sickle cell anemia. American Dietetic Association Annual Conference, September 29- October 2, 2007.
23. Williams R, Smeltzer, MP, Fletcher-Pope L, Olivi S, Li CS, Hinds, P, Wang, W. Quality of life correlates with hemoglobin level but not growth in children with sickle cell anemia. National Sickle Cell Disease Conference, Sept 17-22, 2007.

PRESENTATIONS:

1. Managing osteopetrosis in children: A nutrition challenge. Mississippi Dietetic Association, Annual Meeting, September 25-27, 1996.
2. Children with sickle cell disease may benefit from improved nutrition practices. American Dietetic Association, 79th Annual Meeting, October 21-24, 1996.
3. Energy Expenditure in Children with Sickle Cell Anemia. Memphis Area Nutrition Council Annual Symposium, May 1-2, 1997.

4. Room Service Improves Patient Intake and Satisfaction with Hospital Food. Tennessee Dietetic Association, April 23, 1998.
5. Williams R. Attitudes and Perceptions of African American Women Regarding Weight and Diet. Society for Applied Anthropology Annual Meeting, April 19-25, 1999.
6. Oral Glutamine Supplementation in Children with Sickle Cell Disease. Memphis Area Society for Parenteral and Enteral Nutrition. May 5, 2000.
7. Oral Glutamine Supplementation Improves Nutrition Status, Resting Energy Expenditure, and Quality of Life in Children with Sickle Cell Disease. Children's Hospital of Philadelphia, October 23, 2002.
8. Shared Decision Making- The St. Jude Experience. Tennessee Nursing Association, District 1. August 28, 2003.

SUPERVISION OF THESIS WORK:

1. Smith K, Williams R, Mitchell C, Smith MA. Evaluation of Energy Requirements in Children Receiving Bone Marrow Transplant (Autologous and Allogeneic). (August, 1996)
2. Gurley S, Williams R, Smith MA, Crase D. Nutrient Intakes of Hospitalized Pediatric Patients on Oncology Services: A Comparison of Patients Dining with Caregiver Versus Patients Dining Independently. (May, 1998).
3. West H, Smith MA, Williams R, Roach R. Effects of Glutamine Supplementation on Resting Energy Expenditure in Children with Sickle Cell Disease. (May, 1999)
4. Mahaffey L, Roach R, Williams R, Kedia S, Smith T. Nutrition Practices of Women in Families with Human Immunodeficiency Virus. (May, 1999)
5. Fletcher L, Eck-Clemons L, Roach R, Williams R. Do Children with Sickle Cell Disease have Adequate Magnesium Intake and what is the Relationship of Serum to Magnesium Intake in Children with Sickle Cell Disease. (May, 2002)
6. Teague K, Eady C, Levy M, Fletcher-Pope L, Williams R. Sodium and Fluid Intake in Children with Sickle Cell Anemia. (December, 2008)
7. Allen S, Williams R, Meeks M, Roach R. Parental Perceptions of Health and Nutrition Status of children Adopted From China. (December 2008)
8. Batteiger J, Williams R, Defow J. High Fructose Corn Syrup in Beverages and the Risk for Metabolic Syndrome in college Students.(December 2008)
9. Prince- Griffin P, Williams R, Eady C, Egan B. Dietary Zinc Intake and Taste

Perceptions in Hemodialysis Patients. (December 2008)

RESEARCH PROTOCOLS:

1. Williams R, Gurley S, Virtue K, Adkins A, Hinds PS. *Nutrient Intakes of Hospitalized Pediatric Patients on Oncology Services: A Comparison of Patients Dining with Caregiver Versus Patients Dining Independently.* 1998-2002
2. Williams R, Wang W, West H, Mackert P, Liu A, Sanford J, Cremer L, Niihara Y. *Nutritional, Clinical, and Biochemical Effects of Oral Glutamine Supplementation in Children with Sickle Cell Disease.* 1998-2002
3. Wang W, Wynn L, Williams R, Jeng M, Wimmer P, Hu J. *Combination Treatment with Hydroxyurea and Magnesium in Children with Sickle Cell Disease: A Pilot Study.* 1996-2000.
4. Williams R, Woodard P, Neill M, Surprise H, Wang W, Li C-S, Olivi S, Cremer L, Kaste S. *Resting Energy Expenditure and Nutrition Status in Patients with Sickle Cell Disease who are Receiving a Hematopoietic Stem Cell Transplant, Hydroxyurea, or Chronic Red Blood Cell Transfusion: A Pilot Study.* 2003 - present.
5. Williams R, Wang W, Mackert P, Li C-S, Fletcher-Pope L, Olivi S, Cremer L, Kaste S, Storm M. *A Randomized Controlled Trial of Oral Glutamine Supplementation versus A Placebo Supplement in Children with Sickle Cell Anemia.* 2004- present.
6. Williams R, Olivi S, Fletcher-Pope L, Hinds P, Wang W. Hemoglobin Level and Body Size and the Relationship to Quality of Life in Patients with Sickle Cell Disease. Fall 2006- present.
7. Teague K, Fletcher-Pope L, Williams R, Wang W. *Sodium and Fluid Intake in Children with Sickle Cell Anemia.* Fall 2007- present.

GRANT SUPPORT:

1. Charles E. Culpeper Foundation. April 1999-September 2001. "Nutritional, Clinical, and Biochemical Effects of Oral Glutamine Supplementation in Children With Sickle Cell Disease." \$25,000. Principal Investigator.
2. "Growing Up With HIV/AIDS: Issues in Prevention and Quality of Life. October 4-5, 2001. Professional Conference. Conference Chair and Principle Investigator.
 - Center for Research for Mothers and Children, National Institute of Child Health and Human Development, National Institutes of Health, 1R13 HD41903-01, \$6,000.
 - State of Tennessee Department of Education, \$5,000.
 - Southeast Tennessee Development District, \$2,800.
 - Pediatric Nutrition Practice Group Speaker Stipend Award, \$1000.

- Memphis HIV Family Care Network/ AETC of West Tennessee, \$3,000.
3. State of Tennessee Vitamin Settlement Award. 2002-2007. "Comprehensive Nutrition for Patients with Sickle Cell Disease, HIV and Cancer Prevention." \$250,000. Principal Investigator.
 4. NIH 1 U54 HL070590-01. April 2003-2008. "The Comprehensive Sickle Cell Center." Project 1: Combination Treatment with Hydroxyurea and Magnesium: Phase I and II Studies. 15% effort, 10% salary. Clinical Core. 10% effort, 0% salary.
 5. Robert Wood Foundation. September 2004. "A Randomized Controlled Trial of Oral Glutamine Supplementation Versus a Placebo in Children with Sickle Cell Disease." \$1,000. Principal Investigator.
 6. Thrasher Research Fund. March 2004- 2008. "A Randomized Controlled Trial of Oral Glutamine Supplementation Versus a Placebo in Children with Sickle Cell Disease." \$110,708. Principal Investigator.
 7. Abbott Nutrition Study ZA18: 12/2009-11/2010. "The neonatal pig as a model for chemotherapy-induced mucositis." \$30,000. Co-Investigator.