

**PROGRESS REPORT OVERVIEW AND HIGHLIGHTS:  
CENTER FOR THE PROMOTION OF ADHERENCE TO TREATMENT  
AND SELF-MANAGEMENT  
(7/1/08 – 6/30/09)**

**I. RECRUITMENT OF FACULTY**

Our Center has recruited Dr. Sandra Cortina, a talented minority faculty member who was a former Adherence Center fellow to head our new Adherence Center Clinical Service at CCHMC. She joined our faculty 01/01/09.

**II. SCHOLARLY ACTIVITIES:**

- **Peer reviewed publications: N=35 and N= 17 in press** (see progress report for more detail).
- **NIH funded research** As PIs, Center faculty currently hold 2 NIH funded R01 projects 1 R03 and 3 K23 awards totaling **1.45 million in Annual Direct Costs** up from 1.3 million in 2008. Faculty are also Co-Is on 5 NIH funded studies (see report).
- **Grants Under Review NIH as PI (N=9)**
  - R01 (Drotar, under review)
  - R01 (Hood, under review)
  - K07 (Pai, under review)
  - R03 (Hommel, under review)
- 5 supplemental applications (1 funded, 4 under review) were submitted to NIH.
- 6 R01s submitted to NIH as CoI (all under review). Faculty have participated in 6 R01 proposals that have been submitted by faculty at other institutions and with CCHMC faculty as CoI (e.g. Kerckmar, Margolis, Seid, and Kahn as PIs).
- **Additional New Funding as PIs**
- CCHMC Digestive Health Center pilot and feasibility grant (Hommel): individually tailored family-based intervention to improve adherence in IBD.
- CCHMC Outcomes Related Grant (Pai): Validation of a real-time adherence assessment system in renal transplantation.

**III. NATIONAL RECOGNITION OF ADHERENCE CENTER RESEARCH ACTIVITIES**

The Adherence Center is achieving a national reputation as demonstrated by:

- Two Adherence Center faculty (Hommel in 2008 and Modi in 2009) have won the Society for Pediatric Psychology Early Career Recognition Award for their early career accomplishments (e.g. within six years post PhD).
- Status as coordinating site of two NIH funded multisite studies on treatment adherence.
- Invitations to be a collaborating site on several adherence related research projects.

- Invitations to participate in planning meetings at NIH to set priorities for funding for treatment adherence research.

#### **IV. DEVELOPMENT OF TRAINING, EDUCATION AND MENTORING PROGRAMS**

- The Center faculty have developed training and education programs for a range of trainees that will be expanded in the coming year:
- Fellowship program in treatment adherence: Two fellows trained in 2008-2009; one recruited for 2009-2010.
- Research rotation in adherence was offered for residents in behavioral medicine and clinical psychology in 2008-2009 and will be in 2009.
- Research practicum training and volunteer experiences have been developed to train graduate students in clinical psychology in adherence research: 8 graduate students from several programs: UC, Xavier, and UD; 3 students are conducting Masters or Dissertation research under the direct supervision of Adherence Center faculty.
- Teaching programs have been expanded with two new interdivisional adherence-focused research and clinical case conferences.
- Mentoring of faculty from other divisions including Drs. Brad Marino, Bill Brinkman, Hermine Brunner, in research concerning treatment adherence and health-related quality of life.

#### **V. CLINICAL AND RESEARCH INTEGRATION: CHANGING OUTCOMES AT CCHMC**

- **Adherence Research in clinical care of pediatric chronic illness populations**
- Adherence Center faculty are PIs or CoIs on two CCHMC health outcomes research grants, which involve studies to improve the measurement and delivery of adherence promotion interventions in adolescents and young adults with lupus and children and adolescents with renal transplants.
- **New Clinical Service and research programs for children and adolescents with clinically significant adherence problems:** A new clinical service for the diagnosis and treatment of problems in treatment adherence that are interfering with clinical management has been developed under the direction of Dr. Sandra Cortina. Thus far 51 patients have been referred since 2/15/09 from a range of subspecialties including GI, Pulmonary, Rheumatology, General and Community Pediatrics, Neurology, Oncology, etc. This service is integrated with a research protocol designed to evaluate outcomes of psychological study that will evaluate interventions (e.g. changes in treatment adherence and health outcomes based on state of the art objective methods). To our knowledge this is the first such integrated clinical and research program for the management of adherence problems in the U.S..

#### **VI. COLLABORATIVE ACTIVITIES AND PROGRAM DEVELOPMENT WITHIN CCHMC**

- Center faculty have participated actively to facilitate a number of CCHMC program initiatives such as the Self-Management Implementation Team, the

Health Outcomes Matrix, and the Asthma Center (advisory board). Center faculty have also participated in planning retreats by pediatric subspecialty programs.

- Center faculty (Hommel) are working with Peter Margolis on the national GI collaborative.
- Center faculty (Drotar) are working with Lisa Simpson and Carole Lannon on a project involving medication formulation and adherence.

### **GOALS FOR THE COMING YEAR (2009-2010)**

#### **Research**

- Develop numbers and impact of peer reviewed publications.
- Work with junior faculty to develop portfolio of research funding: with continued emphasis on R support.
- Implement (with John Bucuvalas, who is the site PI at CCHMC) a new NIH funded study on the measurement of treatment adherence in liver transplantation.
- Develop new multisite R01 proposal: RCT of intervention to enhance adherence to treatment in liver transplantation.
- Collaborate with CCHMC faculty on RO1 proposals.
- Expand Adherence Center's role in multi-site NIH funded studies.
- Develop research consultation service focused on treatment adherence in collaboration with the CTSA.

#### **Training and Teaching**

- Develop new research initiatives to develop pilot and preliminary studies that focus on integrating objective assessment of adherence to treatment in Maria Britto's program and testing a new intervention that will provide objective data concerning adherence to treatment for pediatric asthma (in collaboration with Carolyn Kercsmar and colleagues) to evaluate the impact on decision making and clinical care.
- Develop graduate level and fellowship training programs to lay the groundwork for a T32 fellowship application in treatment adherence during the coming year.
- Continue mentorship of CCHMC faculty in research on adherence and health related quality of life and expand mentorship of faculty from other divisions.

#### **Clinical Service**

- Continue to develop new clinical service that provides assessment and intervention for nonadherent children and adolescents referred from a range of subspecialties and develop the research program that will describe the efficacy of these adherence-related interventions as they are delivered in clinical care.
- Explore potential of cross-divisional DSIOP initiative focused on treatment adherence.

**ADHERENCE CENTER FACULTY  
2008-2009**

**KEVIN HOMMEL, Ph.D.**

**Publications**

Peer Reviewed Journals

- **Hommel, K. A.**, Denson, L. A., Crandall, W. V., & Mackner, L. M. (2008). Behavioral functioning and treatment adherence in pediatric inflammatory bowel disease: Review and recommendations for practice. Gastroenterology and Hepatology, 4(11), 785-791.
- **Hommel, K. A.**, Mackner, L. M., Denson, L. A., & Crandall, W. V. (2008). Treatment regimen adherence in pediatric gastroenterology. Journal of Pediatric Gastroenterology and Nutrition, 47(5), 526-543.
- **Hommel, K. A.**, Davis, C. M., & Baldassano, R. N. (2008). Medication adherence and quality of life in pediatric inflammatory bowel disease. Journal of Pediatric Psychology, 33(8), 867-874.
- Andrews, N. R., Chaney, J. M., Mullins, L. L., Wagner, J. L., **Hommel, K. A.**, & Jarvis, J. N. (2009). The differential effect of child age on the illness intrusiveness-parent distress relationship in juvenile rheumatic disease. Rehabilitation Psychology, 54(1), 45-50.
- **Hommel, K.A.**, Davis, C. M., & Baldassano, R. N. (2009). Objective versus subjective assessment of oral medication adherence in pediatric inflammatory bowel disease. Inflammatory Bowel Diseases, 15(4), 589-593.

Book Chapters

- **Hommel, K. A.** (2009). Learned Helplessness in Pediatric Juvenile Rheumatic Disease: An Experimental Examination in Children and Adolescents. Saarbrucken, Germany: VDM Verlag Dr. MullerAktiengesellschaft & Co. KG.

**Grant Support**

**ACTIVE**

K23 DK079037 (Hommel)	5/01/07 – 4/30/12	9.00 calendar months
NIH/NIDDK	\$130,140	
Behavioral Treatment of Nonadherence in Pediatric Inflammatory Bowel Disease		
RO1 DK073946 (Leonard, PI)	08/01/06-07/31/11	0.6 calendar months
NIH/NIDDK	\$355,383	
Bone Health in Pediatric Crohn Disease: A Low Magnitude Mechanical Stimuli Trial		
R44 DK060302 (Shaw, PI; Stallings, site PI)	07/01/06 – 06/30/09	0.6 calendar months*
NIH/NIDDK (SBIR - Sub Budget only)	\$728,694	
Organized Lipid Matrix, Essential Fatty Acids and Choline in CF		
Digestive Health Center Pilot and Feasibility Project Award(Hommel, PI)	07/01/09-06/30/10	
	0 calendar months	\$30,000
Individualized Management of Adherence in Crohn's and Colitis (IMACC)		

Prometheus Laboratories (Hommel, PI) 03/1/08 - 02/28/10 0 calendar months  
 \$27,000 (Contract)  
 Adherence to 6-Mercaptopurine/Azathiopurine and Quality of Life in Pediatric IBD

Research-Grant-In-Aid (Hommel, PI) 03/01/09 - 08/31/10 0 calendar months  
 Procter & Gamble Pharmaceuticals \$14,982  
 Treatment Adherence and Stress in Crohn's and Colitis (TASCC)

CDHNF/AstraZeneca/TAP (Franciosi, PI) 12/01/08 – 11/30/10 0 calendar months  
 Children's Digestive Health and Nutrition Foundation (CDHNF) \$150,000  
 Health Related Quality of Life and Symptom Severity Outcome Measures in Eosinophilic  
 Esophagitis: Beyond Eosinophil Counting

### **PENDING**

R03, PAR-06-172(Hommel) 04/01/10 – 03/31/12 0.6 calendar months  
 NIH \$50,000  
 Promoting Treatment Adherence in Pediatric Inflammatory Bowel Disease

1R01DK085719-01 (Margolis, PI) 09/01/09 – 08/31/14 2.4 calendar months  
 NIH \$204,968  
 Open Source Science: Transforming Chronic Illness Care

### **KOREY HOOD, Ph.D.**

#### **Publications**

##### **Peer Reviewed Journals**

- American Association of Diabetes Educators, Evert AB, Hanson JB, **Hood KK**, Jameson P, Kadihiro JK, Lawlor MT, Painter N, Roemer J. Management of children with diabetes in the school setting. Diabetes Educator 2008; 34: 439-43.
- Williams LB, Laffel LM, **Hood KK**. (in press). Diabetes-specific family conflict and psychological distress in pediatric type 1 diabetes. Diabetic Medicine In Press
- McGrady M, Laffel LM, Drotar D, Repaske DR, **Hood KK**. (in press) Depressive symptoms and glycemic control in adolescents with type 1 diabetes: Mediation role of blood glucose monitoring. Diabetes Care
- **Hood KK**. (in press) The influence of caregiver depressive symptoms on proxy report of youth depressive symptoms: a test of the depression-distortion hypothesis in pediatric type 1 diabetes. Journal of Pediatric Psychology
- Nansel TR, Anderson BJ, Laffel LM, Simons-Morton BG, Weissberg-Benchell JW, Wysocki T, Iannotti R, Holmbeck GN, **Hood KK**, Lochrie AS. (in press). A multisite trial of clinic-integrated intervention for promoting family management of pediatric type 1 diabetes: feasibility and design. Pediatric Diabetes.
- **Hood, K.K.**, Peterson, C., Rohan, J., & Drotar, D. (in press). Association between adherence and glycemic control in pediatric type 1 diabetes: A meta-analysis. Pediatrics.

##### **Book Chapters**

None.

Grant SupportACTIVE

K23 DK 073340 09/30/05-07/31/10 9.0 calendar months  
 NIH/NIDDK \$131,167  
 Depression in Children and Adolescents with Type 1 Diabetes

R03 DK 081711 07/01/08-06/30/10 3.0 calendar months  
 NIH/NIDDK \$100,000  
 Family-based, Psychosocial Intervention for Depressed Youth with Type 1 Diabetes

PENDING

R01 DK 087892 04/01/10 – 03/31/15 1.2 calendar months  
 NIH \$341,475  
 Cognitive-behavioral Therapy for Depressed Adolescents with Type 1 Diabetes

**RICK ITTENBACH, Ph.D.**Publications

- Hoehn, K. S., Nathan, A., White, L. E., **Ittenbach, R. F.**, Reynolds, W. W., Gaynor, J. W., Wernovsky, G., Nicolson, S., & Nelson, R. M. (2009). Parental perception of time and decision-making in neonatal research. *J Perinatol*, 1-4
- Schwalbe-Terilli, C. R., Hartman, D. H., Nagle, M. L., Gallagher, P. R., **Ittenbach, R. F.**, Burnham, N. B., et al. (2009). Enteral feeding and caloric intake following neonatal cardiac surgery. *Am J of Cril Care*, 18(1), 52-57.
- Marino, B. S., Tomlinson, R. S., Drotar, D., Claybon, E., Aguirre, A., **Ittenbach, R. F.**, Welkom, J. S., Helfaer, M. A., Wernovsky, G., & Shea, J. A. (in press). Quality-of-Life Concerns Differ Among Patients, Parents, and Healthcare Providers in Children and Adolescents With Congenital and Acquired Heart Disease. *Pediatrics*.
- Zemel, B. S., Carey, L. B., Paulhamus, D. M., Stallings, V. A., & **Ittenbach, R. F.** (in press). Quantifying calcium intake in school age children: Development and validation of the Calcium Counts!® Food Frequency Questionnaire. *Am J Hum Biol*.
- Ballweg, J. A., **Ittenbach, R. F.**, Bernbaum, J., Gerdes, M., Dominguez, T. E., Zackai, E. H., Clancy, R. R., & Gaynor, J. W. (in press). Hyperglycemia after Stage I palliation does not adversely affect neurodevelopmental outcome at one year of age in patients with single ventricle physiology. *Eur J Cardiothorac Surg*

Grant SupportPENDING

R01 HL101891 (Drotar) 04/01/10-03/31/15 0.6 calendar months  
 NIH/NHLBI \$499,951  
 Pediatric Asthma Treatment Adherence and Health Outcomes

NIH (NIMPS) 01/01/09-12/13/13 0.6 calendar months  
 (Nelson CHOP) \$274,000

## Factors Causing the Therapeutic Misconception in Translational Research

DP2 OP00436

09/30/08-08/31/13

0.6 calendar months

NIH

\$200,000

Cytokines in diabetes and depression: Implications for Personalized Treatment

**AVANI MODI, Ph.D.****Publications**Peer Reviewed Journals

- **Modi, A.C.**, King, A.S., Monahan, S.R, Koumoutsos, J.E., Morita, D.A., & Glauser, T.A. (June 2, 2009). Even a Single Seizure Negatively Impacts Pediatric Health-Related Quality of Life, *Epilepsia*
- Quittner, A.L., **Modi, A.C.**, Wainwright, C., Otto, K., Kirihara, J. & Montgomery, A.B. (2009) Determination of the minimal clinically important difference (MCID) scores for the Cystic Fibrosis Questionnaire-Revised (CFQ-R) Respiratory Symptom scale in two populations of patients with CF and chronic *Pseudomonas aeruginosa* airway infection. *Chest*, 135, 1610-1618.
- **Modi, A.C.**, Crosby, L.E., Guilfoyle, S.M., Lemanek, K.L., Witherspoon, D., & Mitchell, M.J. (2009). Barriers to treatment adherence for children with sickle cell disease and their families. *Children's Health Care*, 38, 107-122.
- Zeller, M.H. & **Modi, A.C.** (2009) Validation of an Obesity-Specific Quality of Life Measure for Children: Sizing Me Up. *Obesity*, 17, 1171-1171.
- Zeller, M.H. **Modi, A.C.**, Noll, J.G., Long, J., & Inge, T.H. (January 22, 2009). Psychosocial Functioning Improves Following Adolescent Bariatric Surgery. *Obesity*.
- **Modi, A.C.** (2009). The Impact of a New Pediatric Epilepsy Diagnosis on Parents: Parenting Stress and Activity Patterns. *Epilepsy and Behavior*, 14, 237-242
- Quittner, A.L., **Modi, A.C.**, & Cruz, I. (2008) Systematic Review of Health-Related Quality of Life Measures for Children with Respiratory Conditions. *Paediatric Respiratory Reviews*, 9, 220-232.
- **Modi, A.C.**, Loux, T., Bell, S., Harmon, C.M., Inge, T.H., & Zeller, M.H. (2008). Weight-Specific Health-Related Quality of Life in Adolescents With Extreme Obesity, *Obesity*, 16 (10), 2266-2271
- Mitchell, M.M., Piazza-Waggoner, C., **Modi, A.C.**, & Janicke, D. (2009). Examining short-term stability of the Mealtime Interaction Coding System (MICS). *Journal of Pediatric Psychology*, 34(1), 63-8
- Quittner, A.L., **Modi, A.C.**, Lemanek, K.L., Landis, C., & Rapoff, M.A. (2008). Evidence-Based assessment of adherence to medical treatments in pediatric psychology. *Journal of Pediatric Psychology*. 33(9):916-36.
- **Modi, A.C.**, Guilfoyle, S.M., & Zeller, M.H. (2009). Impaired Health-Related Quality of Life in Caregivers of Youth Seeking Obesity Treatment. *Journal of Pediatric Psychology*, 34 (2), 147-155.
- Patton S.R., Piazza-Waggoner, C., **Modi, A.C.**, Dolan, L.M., & Powers, S.W. (in press) Family Functioning at Meals Relates to Adherence in Young Children with Type 1 Diabetes. *Journal of Paediatric and Child Health*.

- Crosby, L.E., **Modi, A.C.**, Lemanek, K.L., Guilfoyle, S.M., Kalinyak, K.E., & Mitchell, M.J. (in press). Perceived Barriers to Clinic Appointments for Adolescents with Sickle Cell Disease. *Journal of Pediatric Hematology/Oncology*.
- Driscoll, K.A., Montag-Leifling, K., Acton, J.D., & **Modi A.C.** (in press). Relations between depressive and anxious symptoms and quality of life in caregivers of children with cystic fibrosis. *Pediatric Pulmonology*.

#### Book Chapters

- Quittner, A.L., Cruz, I, **Modi, A.C.**, & Marciel, K.K. (in press). Health-Related Quality of Life Instruments for Adolescents with Chronic Diseases. In W. O'Donohue and L. Tolle (Eds), *Behavioral Approaches to Chronic Disease in Adolescence*.

#### Grant Support

##### ACTIVE

K23HD057333-01 (Modi) 2/15/08-2/14/13 9.0 calendar months  
NIH/NICHD \$643,519  
Novel Adherence Measurement and Intervention in Children with New-Onset Epilepsy

U01 DK072493 (Inge) 07/01/06-03/31/11 1.2 calendar months  
NIDDK \$169,786  
Adolescent Bariatrics: Assessing Benefits & Risks

NIHUS4HL07871-06 (Joyney) 04/01/08-03/30/13 1.2 calendar months  
CCHMC \$1,656,132  
Comprehensive Sickle Cell Center: "Improving adherence to treatment for sickle cell disease."

##### PENDING

NIH 12/09-11/14 3.0 calendar months  
An intervention for children with new onset epilepsy and their parents

#### **AHNA PAI, Ph.D.**

#### Publications

##### Peer Reviewed Journals

- **Pai, A.L.H.**, Drotar, D., Kodish, E. (2008). Correspondence between objective and subjective reports of adherence among adolescents with acute lymphoblastic leukemia. *Children's Health Care*, 37, 225-235.
- Lutz Stehl, M.J., Kazak, A.E., Hwang, W.T., **Pai, A.L.H.**, Reilly, A.F., & Douglas, S.S. (in press). Innate immune markers in mothers and fathers of children newly diagnosed with cancer. *NeuroImmunoModulation*.

##### Book Chapters

- **Pai, A.L.H.** & Drotar, D. (2009). Medication Adherence in Pediatric Oncology. In *Quick Reference for Oncology Clinicians: The Psychiatric and Psychological Dimensions of Cancer Symptom Management*. IPOS Press.

#### Grant Support

##### ACTIVE

Outcomes Research Award (Pai) 06/01/09-05/30-11 1.2 calendar months  
 CCHMC \$60,000  
 Validation of a Real-time Adherence Assessment System

PENDING

Ohio Cancer Research Association (OCRA) (Pai) \$30,000 3.0 calendar months  
 Adherence in Pediatric Stem Cell Transplant

Adherence in Pediatric Stem Cell Transplant (Pai) 04/01/2010-03/21/2011 NIH  
 \$105,297 10.8 calendar months

**SANDRA CORTINA, Ph.D.** Start Date: 01/01/2009

Publications

None for 2008-2009

Grant Support

None for 2008-2009

**DENNIS DROTAR, Ph.D.**

Publications

Peer Reviewed Journals

- **Drotar, D.** (2008). Ethics of treatment and intervention research with children and adolescents with behavioral and mental disorders: Recommendations for a future research agenda. Ethics and Behavior, *18*, 307-313.
- Palermo, T.M., Long, A.C., Lewandowski, A.S., **Drotar, D.**, Quittner, A.C., & Walker, L.S. (2008) Evidence-based assessment of health-related quality of life. Journal of Pediatric Psychology, *33*, 983-996.
- Sices, L., **Drotar, D.**, Keilman, A., Kirchner, H. L., Roberts, D., & Stancin, T. (2008). Communication about child development during well child visits: Impact of PEDs screener with or without an informational video. Pediatrics, e1091-e1099.
- Pai, A.L.H., **Drotar, D.**, Kodish, E. (2008). Correspondence between objective and subjective reports of adherence among adolescents with acute lymphoblastic leukemia. Children's Health Care, *37*, 225-235.
- Kahana, S., Frazier, T., & **Drotar, D.** (2008). Preliminary quantitative investigation of predictors of treatment nonadherence in pediatric organ transplantation: A brief report. Pediatric Transplantation, *12*, 656-660.
- Zebracki, K., & **Drotar, D.** (2008). Pain and activity limitations in children with Duchenne or Becker muscular dystrophy. Developmental Medicine and Child Neurology, *50*, 546-552.
- Josie, K.L., Peterson, C.C., Burant, C., **Drotar, D.**, Stancin, T., Wade, S.L., Yeates, K., & Taylor, H.G. (2008). Predicting family burden following traumatic brain injury: A cumulative risk approach. Journal of Head Trauma Rehabilitation, *23*, 357-368.
- **Drotar, D.**, Stancin, T., Dworkin, P.H., Sices, L., & Wood, S. (2008). Selecting developmental surveillance and screening tools. Pediatrics in Review, *29*, e52-58.

- Hart, C.N., Kelleher, K.J., **Drotar, D.**, & Scholle, S.H. (2009). Parent-provider communication and parental satisfaction with care of children with psychosocial problems. Patient Education and Counseling., 68, 179-185.
- Ramirez, L.Y., Huestis, S., Yap, T.Y., Zyzanski, S., **Drotar, D.**, & Kodish, E. (2009). Potential chemotherapy side effects. What do oncologists tell parents? Pediatric Blood and Cancer. 52, 497-502.
- Marino, B.S, Tomlinson, R.S., **Drotar, D.**, Claybon, E.S., Aguirre, A., Ittenbach, R., Welkom, J.S., Helfaer, M.A., Wernovsky, G., Shea, J.A. (2009) Quality of life concerns differ between patients, parents, and medical providers in children and adolescents with congenital and acquired heart disease. Pediatrics. 123, e708-e715.
- Hack, M., Taylor, H.G., Schluchter, M., Andreias, L., **Drotar, D.**, Klein, N. (2009). Behavioral outcomes of extremely low birth weight children at age 8 years. Journal of Developmental and Behavioral Pediatrics.
- Fay, T.B., Yeates, K.O., Wade, S.L., **Drotar, D.**, Stancin, T., & Taylor, H.G. (2009). Predicting longitudinal patterns of functional deficits in children with traumatic brain injury. Neuropsychology. 23, 271-289.
- Lewandowski, A.S., Palermo, T.M., Kirchner, H.L., & **Drotar, D.** (2009). Comparing diary and retrospective reports of pain and activity restriction in children and adolescents with chronic pain conditions. The Clinical Journal of Pain. 25, 299-366.
- **Drotar, D.** (2009). Physician behavior in the care of pediatric chronic illness: association with health outcomes and treatment adherence. Journal of Developmental and Behavioral Pediatrics. 30, 246-254.
- **Drotar, D.**, Robinson, J., Jeavons, L., & Kirchner, H.L. (in press). A randomized controlled evaluation of early intervention: The Born to Learn curriculum. Child Care, Health, and Development.
- Yap, T.Y., Yamokoski, A., Noll, R., **Drotar, D.**, Zyzanski, S., & Kodish, D. (in press). A physician-directed intervention: teaching and measuring better informed consent. Academic Medicine.
- Schwartz, L. & **Drotar, D.** (in press). Health related hindrance of personal goal pursuit and well-being of young adults with cystic fibrosis, pediatric cancer survivors, and peers without a history of chronic illness. Journal of Pediatric Psychology.
- McGrady, M., Laffel, L., **Drotar, D.**, Repaske, D., Hood, K. (in press). Brief report: Depressive symptoms and glycemic control in adolescents with Type 1 diabetes: Mediation role of blood glucose monitoring. Diabetes Care.
- Moore, M., Kirchner, H.L., **Drotar, D.**, Johnson, N., Rosen, C., Ancoli-Israel, S., & Redline, S. (in press). Relationships among sleepiness, sleep time, and psychological functioning in adolescent. Journal of Pediatric Psychology.
- Hood, K.K., Peterson, C., Rohan, J., & **Drotar, D.** (in press). Association between adherence and glycemic control in pediatric type 1 diabetes: A meta-analysis. Pediatrics.

#### Book Chapters

- Shemesh E and **Drotar D.** (2009) Treatment adherence. In: Shaw, R.J. and Demaso, DR. Textbook of Pediatric Psychosomatic Medicine. (p.p. 465-512). American Psychiatric Publishing, inc. Arlington, VA.

- Pai, A. L. H. & Drotar, D (2009). Medication Adherence in Pediatric Oncology. In A.E. Kazak, M. J. Kupst, M. Pao, A. F. Patenaude, & L. Wiener (Eds.), Quick Reference for Oncology Clinicians: The Psychiatric and Psychological Dimensions of Cancer Symptom Management. (pp. 90-96). Charlottesville, VA: IPOS Press.
- Frank, D.A., Blenner, S., Wilbur, M.A.B., Black, M.M., & Drotar, D. (2009). Failure to thrive in R.M. Reece & C.W. Christian (Eds.) (p.p. 465-512). Child Abuse Medical Diagnosis and Management. American Academy of Pediatrics: ELR Grove, Ill

### Editorials

- Drotar, D. (2008). Introduction to the special issue. Ethical issues in treatment and intervention research with children and adolescent with behavioral and mental disorders. Ethics and Behavior, 15, 169-126.
- Drotar, D. (2009a). Editorial: Thoughts in improving the quality of manuscripts submitted to the Journal of Pediatric Psychology. Journal of Pediatric Psychology, 34, 1-3.
- Drotar, D. (2009b). Editorial: How to write effective reviews for the Journal of Pediatric Psychology. Journal of Pediatric Psychology, 34, 113-117.
- Drotar, D. (2009c). Editorial: How to report methods in the Journal of Pediatric Psychology. Journal of Pediatric Psychology, 34, 227-230.
- Drotar, D. (2009d). How to write an effective results and discussion section for the Journal of Pediatric Psychology. Journal of Pediatric Psychology, 34, 339-343.
- Drotar, D. (in press). Case studies and case series: A call for action and invitation for submission. Journal of Pediatric Psychology.

### Grant Support

#### ACTIVE

1R01 DK069486-01 (Drotar) NIH NIDDK Self-management of type 1 diabetes during adolescence	07/01/06 - 06/30/11 \$414,746	1.2 calendar months
1R01 CA119162-01A1 (Drotar) NIH NCI Promoting Treatment Adherence in Adolescent Leukemia	09/28/07 - 07/31/2012 \$589,361	2.16 calendar months
R21HL089524 (Seid) NIH/NHLBI Developing an in vivo adherence intervention for adolescents with asthma.	04/01/08 – 03/31/13 \$143,597	.36 calendar months

#### PENDING

R01 HL101891 (Drotar) NIH/NHLBI Pediatric Asthma Treatment Adherence and Health Outcomes	04/01/10 – 03/31/15 \$499,951	4.2 calendar months
R01 - #DK080740-0iA2 (Shemesh, E.) NIH NIDDK Medical Adherence in Children Who Had a Liver Transplant	07/07/09 – 06/30/14 \$499,999	0.6 calendar months

R01: HL08-010 (Kercsmar, C.)	09/01/09-08/30/16	0.36 calendar months
NHLBI	\$385,005	
Clinical Centers for the NHLBI (Asthma Net) (Vio)		
R01 (Kahn, R.)	04/01/2010-03/31/2014	.06 calendar months
NIH/NICHD	\$456,972	
Explaining Racial Disparities in Child Asthma Morbidity		