

Research News

Newsletter of
The University of Kansas Medical Center
Department of Pediatrics



Working Research into Your Current Clinical Practice

Ann McGrath Davis, PhD

All busy clinicians know that finding time to work research into your busy clinical schedule can be very challenging. Between seeing patients, completing bills, returning phone calls, meeting with staff, and all of the other obligations, how do you fit in research? A few years ago Dr. Anne Walling, the Associate Dean for Faculty Development at KUMed in Wichita, gave a talk in our department titled "Finding Scholarly Activity in Daily Practice." Because this topic is still of interest to many of us, I thought I would review some of her key points here.

First, practitioners should look at how they spend their day. Each day for a week, sit down at the end of your day for about 5 minutes and document how you actually spend your time. Were you involved in clinical practice? Teaching? Advising? Mentoring? Organizing or management activities? Networking? Meetings? Other tasks?

Next, devote one hour in your schedule (actually block the time on your calendar or it will never happen) and sit down and think about "What can I learn and share from my every day experience?" Each of us as professionals have bits of knowledge that we could share to benefit others. Could you publish a paper about a new teaching method that you're using in your clinic? Do you have a clinic where you see a great deal of a certain population of interest that is understudied? If so, perhaps you could give a talk on the issues commonly faced by this community or even present your impressions at a local or national conference? Do you have an interesting patient that could lead to a letter to the editor or brief report? Do you have a favorite clinical topic that you'd like to write an editorial about or perhaps could even lead to a book chapter or website?

Once you've selected a topic during your hour of reflection, you need to make a plan for getting your project done. Everyone approaches this part of a project differently, but here are a few ideas Dr. Walling passed along. First, write down your topic in clear, concise language and post it in your office. Second, devote one half day to researching the true potential for your idea. Is there a need for this study in the literature? Third, try to find some collaborators – things are always easier when you share the burden. People will often donate their time for free in return for authorship credit or other tangible but free benefits. Fourth, offer to give a lecture on the topic. This often helps you to gather your thoughts and you can gauge crowd reaction and level of interest in your ideas. Fifth, if necessary, try to find a publisher or funder for your idea. However, keep in mind that lots of pilot research projects can be completed for free and are still a valuable contribution to science. Sixth, find a mentor or other person who will help keep you on track, and even nag you when necessary. You should

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meet with this person at least monthly, and the focus of these meetings should be on problem solving issues that are preventing you from completing your project. You can use these meetings to get advice about your IRB, write an abstract, or simply make to-do lists and agree on times when you'll set aside a couple of hours strictly for your research. Finally, Dr. Walling recommended that everyone should be sure to ask for help when they need it.

Current Pediatric Grants

Barnard, M (PI) 7/1/04-3/31/06
"Writing Interventions for Teens Whose Parents Have Cancer"
Turning Points – Total direct costs: \$5,000

Barkley, H.W., **Lowry, J., Veal, K.,** Pierce, J.T. 02/01/04 – 01/31/07
"Development of the Region VII Pediatric Environmental Health Specialty Unit at the University of Kansas Medical Center"
AOEC & ATSDR - Total Costs: \$128,000/yr

Barlow, S (PI) & **Clark, P (Co-I)** 1/15/02-12/31/06
"Sensorimotor Control of the Human Orofacial System"
NIH – Total Direct Costs - \$76,671

Dileepan, K (PI), **Belmont, J (Co-I)** 2/1/06-1/31/11
"Mast Cell-Induced Inflammation in Vascular Disease"
NIH R01 HL070101-01 - Total Direct Costs: \$1,250,000

Cocjin, J (PI) 07/01/03-06/30/06
"Peds GI"
Children's Miracle Network - Total Direct Costs \$10,000

Davis, A.M. (PI) 04/15/05-04/14/10
"Enhancing Nutrition and Activity of Rural Children"
NIDDK/NIH - Total Direct Costs \$566,721

Davis, K. (PI)
"Connected Kansas Kids: Connecting Schools and Students with Special Health Needs"
Kan-Ed - Total Direct Costs \$100,000
** see website at www.connectedkansaskids.com

Ellerbeck, K. (PI), Reese, M. (Co-I) & Jacobson, J. (Co-I) 02/04/05-01/31/07
"Sex Differences in Autism: Potential Role of Oxytocin Signaling"
Cure Autism Now (CAN) Foundation - Total Direct Costs \$109,090

Gilmer, L (PI) 7/1/2005-6/30/2006
"Evaluating Clinical Competency of Ped Res. Cont Clinic"

Human Subjects Committee Information

Deadline**	Meeting
April 14	April 25
April 28	May 9
May 12	May 23
June 2	June 13
June 16	June 27
June 29	July 11

all deadlines are at **noon**
* **Office is G006 Sudler.***

Hours: 8:00 AM - 4:30 PM
For more information, go to
http://www2.kumc.edu/researchcompliance/hs_csubprocess.htm or call 913-588-1240.

Children's Miracle Network - Total Direct Costs \$9076

Harty, J (PI) 7/25/05 - 6/30/06
"Reach Out and Read Parent Survey"
ROR National – Total Direct Costs \$5,000.

Johnson, C (PI) 7/1/05-6/30/06
"Leadership Education in Neurodevelopmental and Related Disabilities"
Maternal and Child Health Coalition (MCHC) - Total Direct Costs \$506,111

Johnson, C (PI) 7/1/05-6/30/06
"Special Health Services Specialty Needs/Clinic Grant"
Kansas Department of Health and Environment (KDHE) - Total Direct Costs \$149,540

Johnson, C (PI) 7/1/05-6/30/06
"Special health Services Outreach Grant"
Kansas Department of Health and Environment (KDHE) - Total Direct Costs \$131,574

Johnson, C (PI) 7/1/05-6/30/06
"Administration on Developmental Disabilities"
Health and Human Services (HHS) - Total Direct Costs \$120,000

Johnson, C (PI)
"Pediatric Consultation, PKU, Seizure, Rheumatology/Cardiology Outreach"
Kansas Department of Health and Environment (KDHE) - Total Direct Costs \$125,362

Kanarek, J (PI) 7/1/2005-6/30/2006
"Cystic Fibrosis"
Cystic Fibrosis Foundation - Total Direct Costs \$49,070

Lindsley, C (PI) 7/29/03-12/31/08
"Juvenile RH North Short Long Island Jewish Health"
Total Direct Costs \$390

Lowry, J (PI) 9/1/2005-8/31/2006
"Poison Control Stabilization and Enhance"
Poison Control Center - Total Direct Costs \$154,088

Nelson, E. (PI), Davis, K (Co-I) 2006-2008
"TeleHelp: A Comprehensive School-based Telemedicine Program for Urban Youth At-Risk for Depression"
Health Care Foundation of Greater Kansas City - Total Project Funding with matching, \$197,972

Nelson, E. (PI)
"Telekidcare Teaching Tool for Cultural Competence"
Aetna Foundation Regional Community Health – Total Direct Costs \$40,000

Rapoff, M. (PI), Belmont, J. & Knobler, S. (Co-Is) 07/04 – 06/07
"Headstrong Intervention for Recurrent Pediatric Headache"

NINDS-NIH - Total Costs \$563,090

Reese, M. (PI) 11/01/05-10/31/06
 “Kansas Institute for Positive Behavioral Support Grant”
 KAN28535 - Total Direct Costs \$18,374

Staker, M. (PI) 7/05 – 6/06
 “Project EAGLE Early Head Start”
 DHHS/ACF/Head Start Bureau - \$1,665,738
 Kansas Department of SRS - \$668,935

Staker, M. (PI) 1/06 – 6/06
 “Early Head Start Oral Health Initiative”
 DHHS/ACF/Head Start Bureau - \$56,250

Staker, M. (PI) 7/05 – 6/06
 “Project HOPE”
 KDHE - \$98,034

Staker, M. (PI) 6/05 – 5/06
 “Healthy Start”
 Maternal Child Health Coalition - \$150,000

Staker, M. (PI) 3/04 – 2/09
 “Centralized Intake and Referral System
 DHHS/HRSA/MCHB/Healthy Tomorrows - \$250,000

Staker, M. (PI) 8/04 – 9/06
 “Literacy education to Parents of Young Children”
 American Express Foundation – \$30,000

Staker, M. (Co-PI) & Carta, J. (Co-PI) 9/04 – 8/07
 “Early Reading First”
 Department of Education – \$ 2.8 Million

Staker, M. (PI) 9/03 – 8/06
 “Early Childhood Professional Development Program”
 Mid-America Regional Council/Department of Education – \$410,361

Steele, R (PI), **Davis, A (Co-I)** 01/19/06 - 12/31/09
 “Effectiveness of a treatment for pediatric obesity”
 DHHS, (HRSA) R40MC06631-01-00 Total Costs: \$626,846.

Trueworthy, Robert (PI) 3/1/2003-3/28/2006
 “Children’s Oncology Group Chair’s Grant”
 National Childhood Cancer Foundation - Total Direct Costs \$44,302

Truog, W (PI), **Clark, P (Co-I)** 7/1/2006-6/30/2007

“Genomics, SNPs and Clinical Neonatology”
Hall Foundation - Total Direct Costs \$118,135

Current Pediatric Clinical Trials

Casey, J. (PI), Delrosario, G. (Co-PI)

“The Genetics and Neurendocrinology of Short Stature International Study”
Eli Lilly and Company

Casey, J. (PI)

“Growth Hormone Study”
Genentech Inc.

Casey, J. (PI)

“Kabi International Growth Study”
Pharmacia Upjohn

Casey, J. (PI)

“Natural History Study Development of Type 1 Diabetes”
NIH-TrialNet

Ellerbeck, K. (PI)

Safety and efficacy of oral human immunoglobulin in the treatment of gastrointestinal dysfunction associated with Autistic Disorder
Oralgam Corp

Olson, N (PI)

“Allergy Immunology Rheumatology”
Pharmacia Cor

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“Allergy Immunology Rheumatology”
Abbott Labs

Scheinman, Jon (PI)

“Focal Glomulosclerosis Trial”
Medical City Dallas Hospital

Shaw, P (PI)

“An Oral Health Program for Kansas”
United Methodist Health Ministry Fund – Total Direct Costs \$27, 968

GCRC Advisory Committee

The Department of Pediatrics now has 2 members of the GCRC Advisory Committee – **Dr. Kathryn Ellerbeck & Dr. Jo Ann Harris**. Please be sure to see them if you have GCRC questions or issues.

9/1/05-8/31/06

Recent Pediatric Publications

Friesen, C.A., Lin, Z., **Hyman, P.E.**, Andre, L., Welchert, E., Schurman, J.V., **Cocjin, J.T.**, Burchell, N., Pulliam, S., Moore, A., **Lavenbarg, T.** & McCallum, R.W. (2006). Electrogastrography in pediatric functional dyspepsia: Relationship to gastric emptying and symptom severity. *Journal of Pediatric Gastroenterology and Nutrition*, 42, 265-269.

Rapoff, M.A. (2006). Management of adherence and chronic rheumatic disease in children and adolescents. *Best Practice and Research in Clinical Rheumatology*, 20, 301-314.

Schurman, J.V., Friesen, C.A., **Danda, C.E.**, Andre, L., Welchert, E., **Lavenbarg, T.**, **Cocjin, J.T.** & **Hyman, P.E.** (2005). Diagnosing functional abdominal pain with the Rome II criteria: Parent, child, and clinician agreement. *Journal of Pediatric Gastroenterology and Nutrition*, 41, 291-295.

Sood, M.R. & **Hyman, P.E.** (2006). Gastrointestinal motility disorders. In Stringer, M.D., Oldham, K.T., Mouriquond, P.D.E. *Pediatric surgery and urology: Long term outcomes*. 2nd ed. Cambridge University Press.

Uc, A., Hyman, P.E. & Walker, L.S. (2006). Functional gastrointestinal disorders in African American children in primary care. *Journal of Pediatric Gastroenterology and Nutrition*, 42, 270-274.

Young, J., Zarcone, J., Richman, D., Holsen, L. Caruso, M., Hall, S., & Thompson, T. (2006). A measure of food seeking in individuals with prader-willi syndrome. *Journal of Intellectual Disabilities Research*, 50, 18-24.

Zarcone, J. & **Young, J** (2005). Review of the book *Intellectual disabilities: Genetics, behavior and inclusion*]. *Journal of Applied Research in Intellectual Disabilities* 18(2):195.

Resident Research

At the suggestion of our own Dr. Andreas Deymann, we are adding a new section to the Research News called Resident Research. In this section we will highlight resident research involvement and opportunities for resident participation in research. We hope this helps to communicate the availability of research and scholarly opportunities for KUMC residents. If you have information to be included in future columns, please forward it to Dr. Ann McGrath Davis. For this month, we will highlight research projects being completed by one of our own residents, Dr. Vijay Patel. Below he describes five (that's right FIVE) of his on-going research projects. As he is a med-peds resident, the first four projects are with medicine, and the last one is with pediatrics.

“I have 4 things of which I am working on currently and 1 is for pediatrics.

- 1) Case study of a patient with 4q trisomy deletion syndrome. There seems to be only 10 reported cases in the literature. I have yet to start it, but hopefully sometime this month.
- 2) Case study of 2 patients with multiple myeloma who were put on thalidomide and developed pulmonary hypertension. There are only 2 other cases reported in the literature. This should be done this month. We have a draft and are making minor adjustments. I have a fellow and an intern working with me on this.
- 3) A meta-analysis for treatment options for follicular lymphoma. This is an incurable disease and many treatment options are available however R-CHOP and R-CVP are the two best. Which is better is unknown. I should be done with this hopefully this week.
- 4) I have a LOI waiting for approval for a prospective study comparing diabetics on an ace inhibitor and its effects on hemoglobin. The medication decreases one of the components in erythropoiesis, but has never been studied in diabetics since all should be on an ace for its renal protective effects
- 5) B12 deficiency is known to be associated with peripheral as well as autonomic neuropathies, however the level of B12 deficiency and the time that it takes for the neuropathy to occur has yet to be fully explored. We are doing a retrospective analysis evaluating 13000 plus patients in the VA system who have ever had their B12 levels checked and evaluating the severity of neuropathy at varying B 12 levels and at what extent treatment options help.

Odds & Ends...

Dr. **Talkad Raghuveer** wanted to announce that Perinatal Rounds for 2006 are starting January 23rd at 12.30 in room 5003 Bell (in the hospital). All are welcome. These rounds will be held the second and fourth Monday afternoons at 12.30 to 1.30 PM. Lunch will be served by 12 noon.

Ann Kunkel, Carol Lindsley, Michael Rapoff and Susan Wright, were recipients of the 40th Anniversary Association of Rheumatology Health Professionals (division of the American College of Rheumatology) Star Award for "significant contributions to the field of rheumatology during the past 40 years", awarded at the Annual Meeting, November 14, 2005.

Michael Rapoff was appointed to serve a two-year term (2005-2007) as the Association of Rheumatology Health Professionals representative to the Scientific Advisory Council, Research and Education Foundation, American College of Rheumatology.

Dr. Rapoff has given two presentations recently. These include:

1. **Rapoff, M.A.**: "Assessing and improving adherence to pediatric medical regimens", Presented at the 19th Annual Western Kansas Respiratory Seminar, Hays, KS., September 9, 2005.
2. **Rapoff, M.A.**: "Assessing and improving patient adherence" and "Quality of life assessments", Presentations at the Asthma Educator Workshop, sponsored by the American Lung Association of Kansas, KU Edwards Campus, Overland Park, KS., November 10, 2005.

We congratulate **ROR Kansas City** and **Dr. Jean Harty**, for being named one of the "groups that makes KC a better place for kids to live". This was noted in the Kansas City.com section of the Kansas City Star in the Thursday edition.

Rural Interdisciplinary Training Grant

The Center on Aging has collaborated with the Developmental Disabilities Center and has been awarded a four year Health and Human Services Grant to provide interdisciplinary training related to rural health issues. This is a competitive renewal grant for the Center on Aging but the first year Developmental Disabilities and systems leadership has been an additional focus of the grant. Linda Redford PhD is the PI on the grant and **Matt Reese PhD** is a Co PI. Other DDC who are investigators include **Kathy Ellerbeck MD**, **Lou Rinner MS**, and **Vickie Miller MS**.

Dr. Kathryn Veal has given the following presentation: "Pilot Study in Johnson County Schools: Schoolyard Exposure to Diesel School Bus Emissions." District Teacher In-Service, March 21, 2006, Olathe School District Instructional Resource Center, Olathe, KS.

Dr. Kathryn Veal's grant, "A Pilot Study to Evaluate Effects of Exposure to School Bus Diesel Fuel Emissions on Pediatric Respiratory Health", CMN, \$10,000, 2005-2006, is on-going, and she and her team have resubmitted, Development of a Regional Web Based Pediatric Environmental Education Course for Health Professionals", EPA, \$48,960, 2005-2006, Pending. **Jennifer Lowry** is Co-Investigator on both of these grants.

A new course, **Introduction to Clinical Research**, will be offered at KUMC in the fall of 2006. This course will be taught by Drs. Richard Barohn and Jeffrey M. Burns. Classes will be held on Thursday evenings from 5-6:30pm in Orr Major and will focus on all aspects of clinical research. As the flyer states "The course will provide a comprehensive overview to clinical research. The student will gain an understanding of how to develop clinical research questions including protocol design and the factors that should be considered in initiating a clinical research study." For more information contact Dr. Barohn at 588-6094 or Dr. Burns at 588-0682.