

**RESEARCH FUNDING
NEW AND ONGOING SUPPORT
2008-2009 ACADEMIC YEAR – PRESENT**

1. Dougherty, P. E. Upstate New York Finger Lakes Geriatric Education Center. Karuza, J, Borggren, C., and Petrocco-Napuli, K. 7-1-2010.

Funding Agency: Health Resources and Services Administration (HRSA)

Award Amount: \$150,000.00

Award Period: July 1, 2010 to June 30, 2015

Description of Project: *The goals of this project include:*

1. *Improve the training of undergraduate and practicing chiropractors in geriatrics, including geriatric electives and a post graduate geriatrics course that will include and experiential component.*
2. *Develop and disseminate curricula relating to the treatment of the health problems of elderly individuals through the creation of a video library of geriatric specific conditions and the role of a chiropractor in addressing these conditions.*
3. *Support the training and retraining of faculty to provide instruction in geriatrics through the annual geriatric training day at the NYCC*
4. *Support continuing education of practicing chiropractors who provide geriatric care through the multimodal post graduate course in geriatrics.*
5. *Provide students with clinical training in geriatrics in nursing homes, chronic and acute disease hospitals, ambulatory care centers, and senior centers through the continuing efforts of the NYCC at MCH and other clinical locations including Veterans Affairs Outpatient clinics.*

Contact Dr. Paul Dougherty for additional information: pdougherty@nycc.edu

2. Koo, T. K. Effects of Nimmo Treatment on Hypertonic Gluteal Maximus Muscle Containing Trigger Points. Cohen, J. and Papendrock, L. 5-01-2010.

Funding Agency: Nimmo® Educational Foundation

Award Amount: \$25,264.00

Award Period: May 1, 2010 to April 30, 2011

Description of Project: *This project aims at: (1) developing a mechano-acoustic indenter system and its corresponding finite element optimization method to extract hyperelastic parameters of soft tissues; (2) evaluating its test-retest reliability; and (3) utilizing the indenter system to determine the effectiveness of Nimmo technique to release hypertonic gluteal muscles that contains trigger points (TrPs).*

Contact Dr. Terry Koo for additional information: tkoo@nycc.edu

3. Stevens, G. Rural Voices Leadership and Policy Workshop: March 29 - 31, 2010 in Washington, DC

Funding Agency: Health Resources and Services Administration (HRSA)

Award Amount: Workshop Expenses

Award Period: March 29 - 31, 2010

Description of Project: *The primary intent of this workshop was to provide a tailored leadership development program for potential rural health leaders and to ensure a greater diversity of leadership for rural communities. Attendance by competitive selection process with all expenses paid by organizers of the workshop.*

Contact Dr. Gerald Stevens for additional information: gstevens@nycc.edu

4. New York Chiropractic College. Healthy Choices: Comprehensive Exercise and Nutrition Program for Children and Adolescents. 2-15-2010.

Funding Agency: Seneca County

Award Amount: \$4,981.00

Award Period: March 1, 2010 to May 31, 2010

Description of Project: *The objective of program is to provide a community service that will teach children and adolescents healthy eating habits related to food choices, portion sizes and psychosocial aspects of eating behaviors and provide them with the self-confidence, knowledge and motor skills to participate in various physical activities to enhance fitness and health throughout their life. At the completion of the program, the participants will have greater knowledge and experiences with healthy eating behaviors. The participants will have greater self-confidence and motor abilities to engage in physical activities that are fun and meet recommendations of moderate-to-vigorous physical activity (MVPA). The target goal for adolescents is 30 minutes of MVPA on five, preferably all, days of week. These intended program results are consistent with developing lifelong healthy behaviors related to nutrition and overweight and physical activity and fitness.*

Contact Dr. Jeanmarie Burke for additional information: jburke@nycc.edu

5. New York Chiropractic College. Rural Health Network Development Planning Grant Program. Stevens, G., Mestan, M. A., Namestnik, W, Swinehart, V, and Merkle, P. 4-1-2009.

Funding Agency: Health Resources and Services Administration (HRSA)

Award Amount: \$84,935.00

Award Period: April 1, 2009 to March 31, 2010

Description of Project: *Rural Health Network Development Planning Grant Program involves the completion of strategic and business planning processes to determine mechanisms by which a collaborative rural health network will become the proper vehicle for improving access to a regular source of dental care and primary care/preventive care for residents of Seneca and Yates*

Counties. The development of the proposed rural health network will address health disparities among rural residents by emphasizing primary care, wellness and prevention strategies through the integration of services from medical professions, dental professions, and nutrition field with complementary and alternative medicine (CAM), e.g. acupuncture and chiropractic services. The **purpose** of the planning process is to address the lack of access to a regular source of dental care and primary care/preventive care for residents of Seneca and Yates Counties. The key participants in the rural health network are New York Chiropractic College (NYCC), Rushville Health Center, and Seneca County with the support of Yates County.

Contact Dr. Gerald Stevens for additional information: gstevens@nycc.edu

6. Papuga, M. O. Reliability and Validity of Associate Digital Scanner in Measuring Foot Characteristics. 1-1-2009.

Funding Agency: Foot Levelers, Inc.

Award Amount: \$11,864.00

Award Period: January 1, 2009 to June 30, 2009

Description of Project: *The ability to reliably measure arch height via measurements obtained from the footprint has been previously demonstrated in the literature. Here we investigate the use of a commercially available scanner to perform previously described measurements. The objectives of this work include: (1) The evaluation of the intra- and inter-rater reliability of scanning hardware and software used by Foot Leveler's Inc. (2) Evaluating the validity of quantifying existing clinical measures of the feet with the Associate™ Digital Scanner. Manually measured arch height was chosen as gold standard, because it is used as a clinically relevant foot characteristic. Comparisons were made between measured arch height and index values, computed from the scans, to previously reported values found in the literature. Correlation between indices of footprint and arch height were calculated. Examination of results found low trial to trial variations among a majority of the indirect measures used to predict arch height, including day to day variations and clinician to clinician variations; confirming foot scanning technique is a reliable measurement technique. Values measured agree with previously reported literature values in describing a similar subject population. Poor correlation between indices of footprint and arch height were found possibly due to a narrow distribution of arch height in the subject pool. In conclusion we have found that the scanning technology provides a reliable measure of footprint indices. Scanning technology is a valid means by which to measure footprint indices, as they agree with values previously reported in the literature.*

Contact Owen Papuga, M.S. for additional information: opapuga@nycc.edu

7. Balliett, M. Effects of IsAgenix Cleanse for Life (Nine Day Program) on Cellular Energy, Neural Function, Gastrointestinal Health and Anthropometric Measurements. Burke, J. and Rasmussen, O. 10-1-2008.

Funding Agency: IsAgenix International
Status: Funded
Award Amount: \$67,067.00
Award Period: October 1, 2008 to March 31, 2009

8. Balliett, M. The Effects of Whey and Flavor Change to the IsAgenix™ Weight Loss Shakes on Body Composition and Anthropometric Measurements. Burke, J and Rasmussen, O. 3-1-2009.

Funding Agency: IsAgenix International
Status: Funded
Award Amount: \$15,000.00
Award Period: March 1, 2009 to June 30, 2009

9. Balliett, M. Effect of Drinking Alkaline Water on Urine pH. Burke, J. and Rasmussen, O. November 2009.

Funding Agency: IsAgenix International
Status: Funded
Award Amount: \$20,450.00
Award Period: November 1, 2009 to April 30, 2010

Description of Projects: *The purpose of our nutrition research is to collect preliminary data on the effects of IsAgenix™ Cleanse for Life on microbial metabolism, lipid profiles, and anthropometric measurements. IsAgenix™ Cleanse for Life is designed to support the body's ability to safely lose weight and inches around the waist, cleanse harmful impurities from the body, burn fat and build muscle, naturally reduce cravings for unhealthy foods, absorb balanced nutrients, and improve mental clarity (<http://www.isagenixproducts.com/>). Although there are many anecdotal stories of success related to weight loss, loss of body fat, loss inches around the waist (<http://www.isagenixproducts.com/>), systematic evaluations of the IsAgenix™ Cleanse for Life are still lacking. In addition, the mechanisms related to cleansing and fat burning systems are lacking sufficient evidence.*

The Nutrition Research Team at NYCC is collecting preliminary projects to identify the primary outcome measures and appropriate sample size for conducting well-designed feasibility trials with a placebo control in future research studies. Before addressing any long-term effects of calorie-restricted diets, an understanding of the clinical effectiveness, adherence, and side-effects associated with any weight management program are important to address physiologic and behavioral factors influencing weight loss.

Contact Dr. Mary Balliett for additional information: mballiett@nycc.edu

10. Dougherty, P. E. A Randomized Clinical Trial of Chiropractic Management versus Active Exercise Physical Therapy in Subgroups of Chronic Lower Back Pain Patients. Katz, P, Karuza, J., and Marshall, F. J. 2006.

Funding Agency: Health Resources and Services Administration -Chiropractic
Demonstration Projects
Award Amount: \$1,124,244.00
Award Period: September 1, 2006 to August 31, 2009 with no cost extensions to 8/31/11.

Description of project: *This federally funded randomized controlled trial is investigating the patient characteristics that may predict responsiveness to two common interventions utilized to treat chronic lower back pain. The investigators are utilizing a previously validated “prediction rule” for responsiveness to spinal manipulation for acute lower back pain and applying it to a chronic lower back pain population. The study involves randomizing patients to either active exercise therapy or spinal manipulation based on their status on the “prediction rule” and then evaluating the patient’s response using validated outcome measures (Oswestry Disability index, Visual Analogue Scale, SF-36). The interventions are performed two times per week for four weeks. Outcome measures are collected at baseline, immediately post intervention, three months post baseline and six months post baseline. This study also includes many experimental hypotheses evaluating if factors other than those identified in the original prediction rule may mediate responsiveness to an individual treatment modality. This study is being conducted in private chiropractic and physical therapy offices as well as in the Rochester Veteran’s Affairs Outpatient Clinic.*

Contact Dr. Paul Dougherty for additional information: pdougherty@nycc.edu

11. Dougherty, P. E. Project 7: New York Chiropractic College: Geriatric Education For Chiropractors (Finger Lakes Geriatric Education Center). Katz, P. 2005.

Funding Agency: Health Resources and Services Administration (HRSA)
Award Amount: \$150,000.00
Award Period: July 1, 2005 to June 30, 2010

Description of Project: *This project is part of a federally funded Geriatric Education Center Grant through the University of Rochester. The Upstate NY Fingerlakes Geriatric Education Center is a consortium of multiple healthcare institutions that are striving to improve healthcare for older adults. The consortium includes the following institutions: University of Rochester, Ithaca College, SUNY Brockport and SUNY-IT Utica. The specific project through the NYCC involves developing an integrative geriatrics elective course to improve the gerontologic competencies of chiropractic students. The second half of this project is to deliver a 12 hour integrative geriatric education program to the NYCC faculty to improve the overall gerontologic competencies of chiropractic college faculty. The project also allows for cross fertilization of ideas across the different disciplines that are involved in the project.*

Contact Dr. Paul Dougherty for additional information: pdougherty@nycc.edu