RESEARCH FUNDING
JANUARY 1, 2009 – DECEMBER 31, 2012


   Funding Agency: Altarum Institute/Palladian Partners (National Institutes of Health Pain Consortium)
   Award Amount: $275,000.00
   Award Period: September 1, 2012 - August 31, 2015

   **Description of Project**: The effort is led by physicians and scientists at the University of Rochester Medical Center and includes chiropractors, acupuncturists, nurses, pharmacists, and others from New York Chiropractic College in Seneca Falls and from St. John Fisher College based in Pittsford. It’s one of a handful of times that these institutions have come together to pool their considerable expertise to attract federal funds to tackle a worldwide problem. The group is one of 11 teams chosen by NIH to form a nationwide coalition of Centers of Excellence in Pain Education. The endeavor aims to improve pain treatment for patients by enhancing how health care professionals are taught about the causes and wide variety of treatments available to manage pain. The main contribution of the Rochester-area collaborative will be the creation of five in-depth case studies of patients in pain. Drawing on the expertise of professionals who collectively have hundreds of years of experience, the case studies will be made available to professionals worldwide via the Internet. Areas of focus for the Rochester team will include pain in young children, the elderly, people with dental or facial conditions, and people in pain for unknown reasons. The team is headed by O.J. Sahler, M.D., a pediatrician at Golisano Children’s Hospital who specializes in the treatment of pain in children and adolescents.

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


   Funding Agency: Foot Levelers, Inc.
   Award Amount: $243,268.00
   Award Period: July 1, 2012 - June 30, 2014

   **Description of Project**: There are little data on the role of custom foot orthotic in the treatment of chronic lower back pain (CLBP) and there have been no placebo controlled trials evaluating the role of orthotics for the treatment of CLBP in Veterans. The overall goal of the project is to evaluate the effectiveness of custom foot orthotics in a clinical setting using a rigorous randomized control design. The results of this trial may help to define the role of custom foot orthotics in Veteran’s and may open new opportunities to expand the use of Foot Levelers Stabilizing Orthotics in different patient populations.

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

Funding Agency: Nimmo® Educational Foundation
Award Amount: $27,700.00
Award Period: June 1, 2012 - November 30, 2012

*Description of Project:* This research grant aims at evaluating the feasibility of using two different ultrasound elastography technologies, namely (1) Compressive elastography and (2) Shearwave elastography for in vivo visualization and quantification of myofascial trigger points.

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

4. Balliett M. The effect of a metabolic reset (Delta Detox) diet and supplement program on anthropometric measurements; body composition; blood pressure; lipid profile; testosterone and hemoglobin A1C. Burke, J. 2012.

Funding Agency: BeachBody®
Award Amount: $45,979.00
Award Period: January 1, 2012 - March 31, 2012

*Description of Project:* The purpose of the study was to collect data on the effect of a metabolic reset (Delta Detox) diet and supplement program on anthropometric measurements; body composition; blood pressure; lipid profile; and hemoglobin A1C. The study design was an observational, pre-post intervention, without a control group or blinding (n = 50). During the 21 day intervention, all subjects received prepared meals for 21 days and followed a regimented supplementation program that was divided into three weekly phases: Reclaim, Release and Restore (BeachBody®, Santa Monica, CA). The observational study indicated that the consumption of nutritious low-energy dense foods and the use of nutritional supplements improved weight status and lipid profiles.

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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.

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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 indentor 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 indentor 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

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.

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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

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.

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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.

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