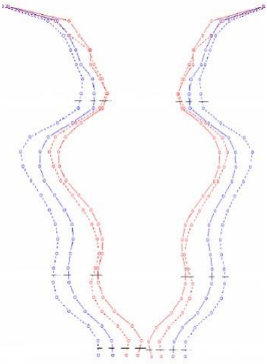
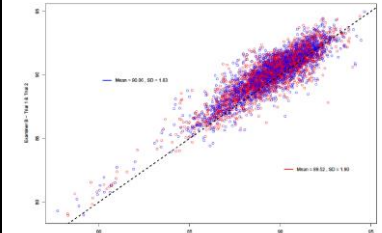
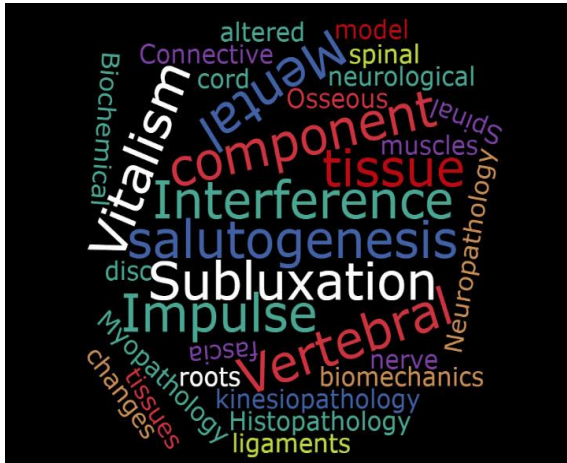
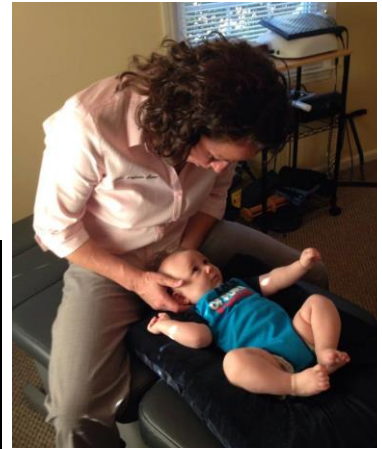


CELEBRATING 7 YEARS OF RESEARCH, POLICY, EDUCATION & SERVICE

# 2015-2016 Report



**ADVANCING FUTURES**  
Research Agenda  
& Scholarship Initiative



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**Research, Policy, Education, & Service**

**4390 Bells Ferry Road  
Kennesaw Georgia 30144  
USA**

**Phone: 404.247.2550  
FAX: 678.445.1459**

**[www.VertebraSubluxation.org](http://www.VertebraSubluxation.org)  
[facebook.com/subluxationfoundation](https://facebook.com/subluxationfoundation)**



“A great profession can only be sustained through the authentic transmission of its principles, from generation to generation.”

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Fred H. Barge DC, Ph.C, LCP (Hon.)



*Advancing Futures* is our best hope at accomplishing a collaborative, organized movement to research subluxation. We stand behind these principles:

- The body is a self-regulating, self-maintaining organism;
- The nervous system controls and coordinates all functions of the body;
- The spine and vertebrae house and protect the nervous system;
- Vertebral subluxations can occur and interfere with the function of the nervous system;
- Reducing and/or correcting vertebral subluxations allows the nervous system to function better and allows the fullest expression of life.

This research agenda seeks to validate the profession and position chiropractic as a vitalistic, scientific, evidence-informed clinical practice. The more research, the greater the chance the profession will have of gaining a higher degree of respect, understanding and acceptance in the health care marketplace, the scientific community and among the patients it serves. It is imperative to make these new research advancements available to the public, other health professions, and to legislators in order to promote and to systematically advance the field of subluxation centered chiropractic through the initiation of favorable public health policy.

Current evidence suggests that vertebral subluxation is detrimental to human health and function and as such chiropractors who manage subluxation feel an ethical and moral obligation to screen and educate the public on what it believes is a significant public health threat. To that effect this agenda also includes the marketing of the agenda itself and the results of its research endeavors in an effort to increase utilization of vertebral subluxation screening and management.

## A message from Christopher Kent DC, JD

PRESIDENT – FOUNDATION FOR VERTEBRAL  
SUBLUXATION

A void in research conducted by chiropractic institutions are investigations focused specifically on vertebral subluxation. The chiropractic research agenda developed by the Foundation for Vertebral Subluxation addresses this challenge. The Foundation seeks to improve the practice of chiropractic by producing clinically relevant research. Evidence-informed chiropractic practice requires quality research addressing the reliability and validity of chiropractic analytical methods, efficacy and effectiveness of chiropractic adjusting techniques in reducing indicators of vertebral subluxation, and evaluating the health benefits and cost effectiveness of chiropractic care. The Foundation for Vertebral Subluxation is committed to developing a cadre of researchers through scholarship programs, and supporting investigations that support evidence-informed practice. The ultimate beneficiaries of the work are those we serve by providing chiropractic services.

## A message from Matthew McCoy DC, MPH

VICE PRESIDENT – FOUNDATION FOR VERTEBRAL  
SUBLUXATION

We are at a crossroads in chiropractic. A time where we may lose our identity or forge forward with chiropractic leading the new paradigm of health and well-being. As practitioners, we see the evidence of chiropractic adjustments every day in our practices. To us, it is undeniable. But in terms of substantiating ourselves with the value and recognition we deserve, we are in dire need of a Research Agenda to forge forward and gain our rightful position: leaders in the location, analysis and correction of vertebral subluxation.

There are so many things we could focus on. The question is what should the focus be? We believe the focus should be on the role of vertebral subluxation and the result of its correction/reduction on health. Through basic and clinical science research, advocating for favorable policy, revising educational standards and service we seek to place vertebral subluxation at the forefront.

# Foundation for Vertebral Subluxation

## Research Team

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### **Christopher Kent DC, JD**

President – Foundation for Vertebral Subluxation  
Professor  
Director of Evidence Informed Curriculum & Practice  
Sherman College of Chiropractic  
President – On Purpose

#### **EDUCATION:**

AA - Milwaukee Institute of Technology  
DC - Palmer College of Chiropractic  
BA, MA (psychology) - California Coast University  
JD - British-American University School of Law  
Certificate-Legislative Drafting for Democratic Social Change. Boston University School of Law  
Diplomate and Fellow--ICA College of Chiropractic Imaging



### **Matthew McCoy DC, MPH**

Vice President – Foundation for Vertebral Subluxation  
CEO & Co-Founder ChiroFutures Malpractice Program  
CEO – McCoy Press Publishing  
Former Professor – Clinical Sciences Life University, College of Chiropractic

#### **EDUCATION:**

D.C. – Doctor of Chiropractic - Life College of Chiropractic  
B.S. – Organizational Management - Covenant College  
MPH – Health Outcomes - Emory University, Rollins School of Public Health  
DACS (C) – Diplomate Applied Chiropractic Sciences - Candidate



### **Curtis Fedorchuk DC**

Board Member & Researcher – Foundation for Vertebral Subluxation  
Private Practice – Cumming Georgia  
Instructor - Chiropractic Biophysics Non-Profit

#### **EDUCATION:**

DC – Life University College of Chiropractic





### **Christie Kwon MS, DC**

Research Fellow – Foundation for Vertebral Subluxation  
Executive Director – Foundation for Vertebral Subluxation  
Assistant Professor Clinical Sciences. Life University College of Chiropractic

#### **EDUCATION:**

D.C. – Doctor of Chiropractic – Life University College of Chiropractic  
BS - Biomedical Engineering. Minor Computer Science. Johns Hopkins University  
MS - Biotechnology – Johns Hopkins University



### **Anquonette Stiles DC, MPH**

Research Fellow – Foundation for Vertebral Subluxation  
Guidelines Committee – Foundation for Vertebral Subluxation  
Private Practice – North Carolina  
Immediate Past Director – Office of Sponsored Research & Scholarly Activity Life University

#### **EDUCATION:**

DC – Doctor of Chiropractic. Life University College of Chiropractic  
BS - Chemistry with Concentration in Molecular Biotechnology. University of North Carolina - Pembroke (UNCP)  
MPH - Walden University



### **Veronica Gutierrez DC**

Secretary & Board Member – Foundation for Vertebral Subluxation  
Independent Review Board Member – Foundation for Vertebral Subluxation  
Private Practice Washington State  
Past Chair – Washington State Chiropractic Quality Assurance Commission

#### **EDUCATION:**

DC – Doctor of Chiropractic. Palmer College of Chiropractic 1963.  
Post Graduate – Cleveland College of Chiropractic



### **Joel Alcantara DC**

Independent Review Board Member – Foundation for Vertebral Subluxation  
Director of Research – International Chiropractic Pediatric Association (ICPA)  
Research Consultant – Sherman College of Chiropractic  
Research Consultant – Life West College of Chiropractic

#### **EDUCATION:**

DC – Doctor of Chiropractic. Palmer College of Chiropractic - West  
Master of Public Health Candidate - San Jose State University  
BS – Chemistry - University of Calgary



## **Simon Senzon DC**

Independent Review Board Member – Foundation for Vertebral Subluxation  
Faculty – John F. Kennedy University (2007-2011)  
Editorial Advisory Board - Journal of Complementary and Alternative Medicine  
Editorial Advisory Board - Journal of Integral Theory and Practice. (2004-2016)  
Director of the Integral Subtle Energies Center at the Integral Institute (2004-2011)  
Co-Director of the Integral Consciousness Studies Center (2004-2011)  
Private Practice Asheville, North Carolina  
President, Integral Altitude, Inc.  
President, Senzon Learning, Inc.  
Board Member – Society for Consciousness Studies  
Research Committee – International Chiropractic Pediatric Association

### **EDUCATION:**

DC – Doctor of Chiropractic. Sherman College of Chiropractic  
MA – Philosophy - Goddard College  
BS – History - Delta College program at SUNY Brockport

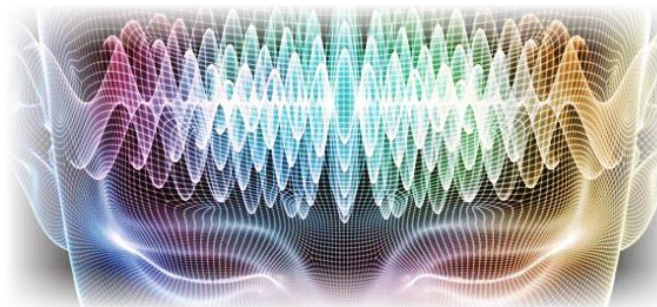


## **Flavio Villanustre MD**

Statistical Analyst – Foundation for Vertebral Subluxation  
Vice President Infrastructure & Products - HPCC Systems

### **EDUCATION:**

MD – Doctor of Medicine - Universidad de Buenos Aires  
Specialist in Neurosurgery - Municipalidad de Buenos Aires 1990-1994  
CISSP - International Information Systems Security Certification Consortium Inc.  
Certified Information Systems Security Professional  
Stanford University Computer Science, Artificial Intelligence and Machine Learning





### **Eric Zielinski BA, DC**

Advancing Futures Scholarship Recipient (MPH Program Candidate)  
Independent Review Board Member – Foundation for Vertebral Subluxation  
Private Practice – Acworth, GA

#### **EDUCATION:**

DC - Doctor of Chiropractic Life University College of Chiropractic  
BA – Honors English – Wayne State University

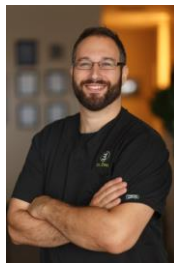


### **Christi McRae BS, DC**

Research Fellow – Foundation for Vertebral Subluxation  
Private Practice – Columbia, SC

#### **EDUCATION:**

DC – Doctor of Chiropractic. Life University College of Chiropractic  
BS – Biology - Life University



### **Doug Lightstone BA, MS (C), DC**

Research Fellow – Foundation for Vertebral Subluxation  
Private Practice – Cumming, Georgia

#### **EDUCATION:**

BA – Philosophy, Politics & Law – Binghamton University  
MS – Candidate - Sport Health Science. Concentration: Exercise and Sports Science  
DC – Doctor of Chiropractic. Life University College of Chiropractic



### **Shannon O'Brien BS, DC (C)**

Foundation for Vertebral Subluxation Guidelines Committee – Team Leader  
Former ORISE Fellowship Recipient  
Former Research Scientist – Centers for Disease Control & Prevention  
Research Track – Life University COC (Current) GI Disorders, Children & Subluxation  
Webster's Scholarship Recipient (ChiroFutures)

#### **EDUCATION:**

BS – Biology - University of Georgia  
DC – Candidate Doctor of Chiropractic Life University College of Chiropractic





### **Ann Bishop BS, DC (C)**

Foundation for Vertebral Subluxation Guidelines Committee  
Webster's Scholarship Recipient (ChiroFutures)

#### **EDUCATION:**

BS – Mathematics. Minors in Biology & Physics. Aquinas College.  
DC - Candidate Doctor of Chiropractic Life University College of Chiropractic



### **Stacy Rainey BS, DC (C)**

Foundation for Vertebral Subluxation Guidelines Committee  
Webster's Scholarship Recipient (ChiroFutures)  
Austin Peay State University

- Presidential Scholarship Recipient
- President's Emerging Leaders Program Scholarship Recipient
- Gamma Beta Phi Honors Society
- Leadership Minor

Research Assistant with State of Tennessee (Past)

#### **EDUCATION:**

BS – Biology - Austin Peay State University.  
DC - Candidate Doctor of Chiropractic Life University College of Chiropractic



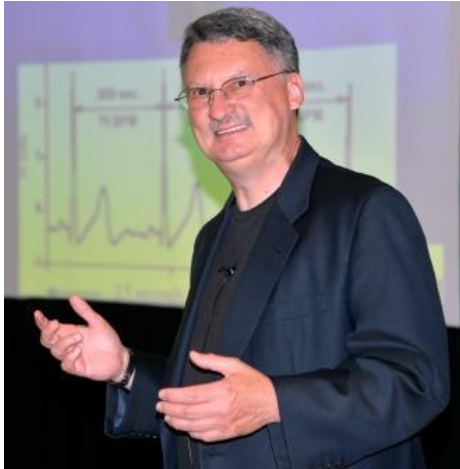
### **Bethany Carilli BS, DC (C)**

FVS Guidelines Committee – Member of the Literature Gathering & Organization Team  
Webster's Scholarship Recipient (ChiroFutures)  
Beta Beta Beta – National Biological Honor Society.  
Alpha Xi Delta – National Women's Fraternity. Chair of Alumnae Relations.

#### **EDUCATION:**

BS – Biology. Minor in Chemistry. University of Mount Union.  
DC - Candidate Doctor of Chiropractic Life University College of Chiropractic

## Leadership Spotlight



### **Christopher Kent DC, JD**

President – Foundation for Vertebral Subluxation

Dr. Kent’s passion for facilitating human empowerment led him to the chiropractic profession, where he has served as a practitioner, educator, author, lecturer, and researcher following his graduation from Palmer College of Chiropractic in Davenport, IA, in 1973.

Following graduation, Dr. Kent joined the Palmer faculty. While at Palmer, he was elected president of the faculty senate and worked as a principal investigator in the research department. Dr. Kent left Davenport and moved to Florida to practice full-time. He qualified as a

specialist in chiropractic diagnostic imaging, was named a Fellow of the College of Chiropractic Imaging, and completed visiting fellowship programs in magnetic resonance imaging. He also served as an associate professor at Palmer-West in California.

Acknowledged as one of the brightest minds in chiropractic, Dr. Kent returned to New Jersey in 1990 to continue the in-depth research on surface EMG that he had started several years earlier. His vision was to develop technologies that would objectively demonstrate manifestations of nerve interference and ultimately provide certainty for chiropractors and their patients. Along the way, Dr. Kent was recognized as “Chiropractic Researcher of the Year” in 1991 by the International Chiropractors Association (ICA). He was also named ICA’s “Chiropractor of the Year” in 1998. In June 2001, Dr. Kent was elected Chair of the United Nations Non-Governmental Organization (NGO) Health Committee, the first chiropractor to hold that office. The NGO Health Committee is in Special Consultative Status with the Economic and Social Council of the United Nations. He served as a member of the Executive Board of the UN Health Committee from 2000-2007. Dr. Kent also served as a Representative to the Department of Public Information affiliated with the United Nations from 1999-2008.

In 2007, Dr. Kent was honored with the first Lifetime Achievement Award bestowed by Life University. He is a co-founder of the Chiropractic Leadership Alliance, Co-Founder of On Purpose, Founder of Advanced Subluxation Training, Founder of ChiroStrokeMyth, and the author of Chiropractic Insights. He is the author of over 38 peer reviewed scientific research papers, three books and four book chapters and over 100 articles in chiropractic trade publications. For over 35 years, Dr. Kent has been committed to developing improved clinical strategies, and securing the future of chiropractic. An attorney as well as a chiropractor, Dr. Kent is a member of the California bar. Dr. Kent’s ability to integrate the philosophy and science of chiropractic is legendary.

## Leadership Spotlight



### **Veronica Gutierrez DC**

Secretary & Board Member – Foundation for Vertebral Subluxation

Dr. Gutierrez received her Doctor of Chiropractic degree from Palmer College of Chiropractic in 1963 and did post-graduate work at Cleveland College of Chiropractic. She is the recipient of numerous awards and has served on numerous boards and commissions for chiropractic.

Active in health policy for decades, Gutierrez was a member of the United Chiropractors of Washington and the Chiropractic Society of Washington, making valuable contributions to each. In 1993, she was appointed to the Washington State Chiropractic Examining Board and from 1994 to 1998, she was a member of the State Chiropractic Quality Assurance Commission, serving as its chairperson from 1995 to 1996. She also served on the Washington Governor-Elect's Health Care Advisory Committee.

Dr. Gutierrez was the only chiropractor to serve on the United States White House Commission on Complementary and Alternative Medicine Policy during the Clinton Administration. She made numerous presentations regarding that work as well as her work and advocacy on behalf of women's health issues.

She has worked tirelessly on managed care issues, health care reform, public policy and standards of care for subluxation-centered chiropractic. She was a founding Board Member of the Council on Chiropractic Practice - the first chiropractic standard of care guidelines to be included in the National Guideline Clearinghouse and served on the Standards of Care committee for the Washington State Chiropractic Association. She served on the Washing State Department of Social and Health Services/DSHS Interdisciplinary Advisory Committee member and the Center for Health Statistics, 1980-1981.



Dr. Gutierrez has represented chiropractic internationally in such places as Russia, Costa Rica, Croatia and Peru and has presented at the United Nations on chiropractic. She has received numerous awards in her profession, including those from the Chiropractic Society of Washington, the Straight Chiropractic Academic Standards Association (SCASA), and the International Chiropractic Association. Dr. Gutierrez served on the Board of Directors, Chairwoman of the Board and President of SCASA.

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“Having already begun to lose the exclusive practice of spinal manipulation to allopaths and physiotherapists, only the chiropractic philosophy significantly distinguishes the chiropractic practitioner. And yet the philosophy is kept hidden away.

In response to social threats to its existence, chiropractic has accepted the materialist world of the allopaths. It has done so in fear of being labelled quackery and this was undoubtedly a good strategy to follow at one time. The public knows next to nothing of chiropractic philosophy of healing and its mechanisms.

If hospitals offer spinal manipulation, a chiropractor offers nothing else. This distortion of the chiropractic tradition can only be overcome by a reevaluation of the place of theory in chiropractic... Dispossessed of its philosophy, chiropractic is dispossessed of its uniqueness, and perhaps its future.”

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EA Morinis - Medical Anthropologist

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## Completed Research, Projects & Presentations

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**McCoy M, Kent C.** Vertebral Subluxation Research: An Agenda to Explore the Epidemiology of Vertebral Subluxation and the Clinical Outcomes Related to Management. *Annals of Vertebral Subluxation Research*. August 5, 2013. Pages 29-32.

**McCoy M, Kent C, Decken W, George H, Brown M, Risser B, Ross N, Thompson J, Nay F.** A Survey of Chiropractors Attitudes and Opinions Regarding Chiropractic College Curricular Content, Length, Relationship to Practice Success and Recommendations for Change. *Journal of Philosophy, Principles & Practice of Chiropractic*. Volume 2011. Issue 2. Pages 10-11.

**McCoy M, Decken W, Kent C, Alcantara J, Tullius S, Burnier A.** Attitudes of Students and Recent Graduates of Chiropractic Educational Programs Regarding Curricular Content, Preparation for Practice and the Future of the Chiropractic Profession: a Delphi Consensus Process & Survey. Platform Presentation. International Research and Philosophy Symposium (IRAPS). Sherman College of Chiropractic. Spartanburg, SC. October 20-21, 2012.

**Gutierrez V.** Political Action and the Subluxation Centered Chiropractor – Steps to Engagement. Platform Presentation. International Research and Philosophy Symposium (IRAPS). Sherman College of Chiropractic. Spartanburg, SC. October 2011.

**McCoy M.** The Economic, Academic and Political State of the Chiropractic Profession and its Implications for the Subluxation Centered Community. Platform Presentation. International Research and Philosophy Symposium (IRAPS). Sherman College of Chiropractic. Spartanburg, SC. October 2011

**Kwon C, McCoy M, Kent C, Gutierrez V, Fedorchuk C.** The Importance of Research, Education, Policy, and Service in Protecting the Future of Subluxation-Based Chiropractic. Platform Presentation. International Research and Philosophy Symposium (IRAPS). Sherman College of Chiropractic. Spartanburg, SC. October 2010.

**Kent C:** Sustainability of Vertebral Subluxation Centered Chiropractic – Strategies. Platform Presentation. International Research and Philosophy Symposium (IRAPS). Sherman College of Chiropractic. Spartanburg, SC. October 17-19, 2014.

**Kent C.** Chiropractic and Mental Health: A Brief Overview. *Chiropractic Dialogues*. *Journal of Philosophy, Principles & Practice of Chiropractic*. October 24, 2013. Pages 1-3.

**Kent C.** A New Direction in Chiropractic Education. Platform Presentation. International Research and Philosophy Symposium (IRAPS). Sherman College of Chiropractic. Spartanburg, SC. October 20-21, 2012.

**Kent C:** An Analysis of the General Chiropractic Council's Policy on Claims Made for the Vertebral Subluxation Complex. *Journal of Philosophy, Principles & Practice of Chiropractic*. May 16, 2011. P. 1-9.

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**Kent C:** Chiropractic and Mental Health. Platform Presentation. International Research and Philosophy Symposium. Spartanburg, SC. 2010.

**Kent C, McCoy M:** A Review of the Council on Chiropractic Education's Proposed Changes to Accreditation Standards. Foundation for Vertebral Subluxation - September 21, 2010.

**McCoy M.** A Review and Analysis of the Office of Inspector General's Report: Inappropriate Medicare Payments for Chiropractic Services. May 2009. Foundation for Vertebral Subluxation.

**Kent C.** Testimony before the National Advisory Committee on Institutional Quality and Integrity. December 2012.

**Kent C.** Public Session: Presentation at Council on Chiropractic Education Public Comment Hearing. 2012.

**Kent C.** Public Testimony at Florida Board of Chiropractic Medicine. Board Legislative Workshop. Orlando. June 2015.

**Gerdel A.** Chiropractic's History and Future: Implications of the Council on Chiropractic Education's Revised Standards. Journal of Philosophy, Principles & Practice of Chiropractic. Volume 2011. Issue 3. Pages 70-76.

**Kwon C.** Invited Presentation: Developing and Writing Case Study Research. League of Chiropractic Women. Atlanta GA. April 2014.

**Kent C.** Defining Scope of Coverage for Care of Vertebral Subluxation under Medicare. J. Philosophy, Principles & Practice of Chiropractic - January 2, 2010.

**Kwon C, McCoy M.** Evidence-based healthcare in patient centered chiropractic education: the development of an evidence based healthcare track in a chiropractic program. Accepted. Sherman College of Chiropractic International Research and Philosophy Symposium 2016 platform presentation.

**Kwon C, Stiles A, O'Brien S, McCoy M, Kent C.** Patient centered guidelines for the clinical management of vertebral subluxation. Accepted. Sherman College of Chiropractic International Research and Philosophy Symposium 2016 platform presentation.

**Kwon C.** Establishing a research agenda: directing chiropractic's future through research. (League of Chiropractic Women 2016)

**Kwon C, McCoy M.** Educating, Mentoring and Nurturing Chiropractic Practitioner/Scientists: The Development and Implementation of a Research Track within a Doctor of Chiropractic Program. Sherman College of Chiropractic International Research and Philosophy Symposium (IRAPS) 2015 Platform Presentation.

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**Kwon C.** Establishing a research agenda: directing chiropractic's future through research. Sherman Connect. Sherman College of Chiropractic 2016.

**Kwon, C.** Directing chiropractic's future through research. LIFE Vision Seminars 2015. Invited Presentation.

**Medicare Task Force/Coalition 2016.** Members included: The International Federation of Chiropractors and Organizations (IFCO), The Foundation for Vertebral Subluxation (FVS), The Chiropractic Society of Texas (CST), The Florida Chiropractic Society (FCS), The Palmetto State Chiropractic Association (PSCA), The Chiropractic Fellowship of Pennsylvania (CFOP), the Sustainability Group (SG). Developed proposal for revised legislative language in Medicare.

**Fedorchuk C.** Treatment and Recovery of a Patient Suffering From Muscular Dystrophy, and Hypertension Utilizing Chiropractic Care. Proceedings of the 2008 International Research and Philosophy Symposium. Sherman College of Straight Chiropractic. October 17-19, 2008

**McCoy M.** Science, Vertebral Subluxation, and the Importance of Research to the Chiropractic Profession. Proceedings of the 2008 International Research and Philosophy Symposium. Sherman College of Straight Chiropractic. October 17-19, 2008.

**Stiles A, McCoy M.** Heart Rate Variability and Chiropractic: A Review of Literature. Proceedings of the 2008 International Research and Philosophy Symposium. Sherman College of Straight Chiropractic. October 17-19, 2008.

**Fedorchuk C.** Restored Hearing from Subluxation Reduction in a Female Patient Who Suffered From Stroke-Induced Hearing Loss: A Case Report. Proceedings of the 2008 International Research and Philosophy Symposium. Sherman College of Straight Chiropractic. October 17-19, 2008.

**McCoy M.** Reliability, Clinical Meaningfulness and Pattern Analysis of Paraspinal Surface EMG and Thermal Scanning. Proceedings of the 2008 International Research and Philosophy Symposium. Sherman College of Straight Chiropractic. October 17-19, 2008.

**Fedorchuk C.** Prevention and Avoidance of Stroke and Brain Aneurysm as a Result of Chiropractic Care. Proceedings of the 2008 International Research and Philosophy Symposium. Sherman College of Straight Chiropractic. October 17-19, 2008.

**McCoy M, Campbell I, Stone P, Fedorchuk C, Wijayawardana S, Easley K.** Intra-examiner and Inter-examiner Reproducibility of Paraspinal Thermography. Proceedings of the 2009 International Research and Philosophy Symposium. Sherman College of Chiropractic. October 17-18, 2009.

**Fedorchuk C.** Clinical Outcome in a Case of Fibromyalgia Through Utilization of Chiropractic Care, Specifically Clinical Biomechanics of Posture. Proceedings of the 2009 International Research and Philosophy Symposium. Sherman College of Chiropractic. October 17-18, 2009

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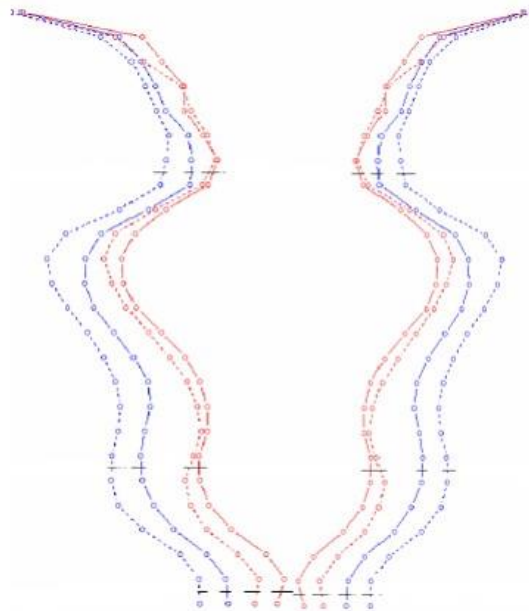
**McCoy M, Stone P, Kwon C.** Retrospective, Longitudinal Outcomes Study of Pregnant Women Undergoing Subluxation Based Chiropractic Care. Proceedings of the 2009 International Research and Philosophy Symposium. Sherman College of Chiropractic. October 17-18, 2009.

**Fedorchuk C, Duer T.** Do Decreased Health Scores Correlate to High Surface Electromyography Readings of the Spine. Proceedings of the 2009 International Research and Philosophy Symposium. Sherman College of Chiropractic. October 17-18, 2009.

**McCoy M.** The Use of Objective Measures of the Biomechanical and Neurological Components of Vertebral Subluxation to Develop a Composite Measure of Spinal Health. Proceedings of the 2009 International Research and Philosophy Symposium. Sherman College of Chiropractic. October 17-18, 2009.

**McCoy M, Stiles A, Stone-McCoy P, Crews R.** A Randomized Controlled Trial of Health Outcomes Following the Introduction of a Standardized, Stretching Protocol Combined with Chiropractic Intervention: A Pilot Study. Abstracts of Invited Papers Presented at the 2010 International Research and Philosophy Symposium. Sherman College of Chiropractic. October 2010.

**Brewer J.** Critical Evaluation of the California Board of Chiropractic Examiners' Scope of Practice Interpretation and Policy Implementation: 2009-2014. *Journal of Philosophy, Principles & Practice of Chiropractic*. December 28, 2015. Pages 21-27.



Paraspinal Temperature Pattern

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## Advancing Futures Research & Scholarship Initiative

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**Zielinski E.** The Effects of Subluxation Based Chiropractic Care on Cardiovascular Disease Risk Factors: Platform Presentation - Baker IDI Heart & Diabetes Institute Melbourne Australia 2012.

**Zielinski E.** 2012 Heart & Mind – Platform Presentation. Psychogenic Cardiovascular Disease Conference – Italy.

**Zielinski E, Borkhuis S.** Epidemiological Approach to the Effects of Subluxation Based Chiropractic Care on Autism. Platform Presentation: 2012 Sherman College International Research & Philosophy Conference

**Zielinski E, Acanfora M.** Trigeminal Neuralgia & Subluxation Based Chiropractic Care. Platform Presentation: 2011 Sherman College International Research & Philosophy Symposium.

**Zielinski E.** Can Chiropractic Save Clinical Research? Journal of Philosophy, Principles & Practice of Chiropractic. December 30, 2012. Pages 51-54

**Zielinski E, Blume N.** The Effects of Subluxation Based Chiropractic Care on Dyslipidemia. Poster Presentation. 2011 American Public Health Association Annual Convention.

**Zielinski E, Mankal K, Pirini J.** Resolution of Trigeminal Neuralgia Following Chiropractic Care Utilizing Chiropractic Biophysics and Diversified Techniques: A Case Study

**Zielinski E, Mankal K.** An Epidemiological Approach to the Effects of Subluxation-Based Chiropractic Care on the Management of ADHD, Depression and Learning Disabilities in an 8-Year Old: A Case Study

**Zielinski E, Blume N.** An Epidemiological Approach to Subluxation-Based Chiropractic Care and CVD Risk Factors: A Case Study and Review of the Literature

**Zielinski E, Borkhuis SJ.** An Epidemiological Approach to the Effects Subluxation-Based Chiropractic Care had in Managing a Three Year Old Girl with Autism, Acid Reflux, Bilateral Head Pain, Seizures, and Vomiting: A Case Study and Review of the Literature

**Zielinski E, Acanfora M.** Resolution of Trigeminal Neuralgia Following Subluxation Based Chiropractic Care: A Case Study & Review of the Literature

**Zielinski E.** Invited Presentation. University California Irvine 2014. Subluxation Based Chiropractic Research.

**Zielinski E.** Platform Presentation. Texas Chiropractic Association Annual Convention 2014. Subluxation Based Chiropractic Research.

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**Zielinski E.** Invited Platform Presentation. KR Jones Philosophy Forum - South Carolina Chiropractic Association. March 2014.

**Zielinski E.** Platform Presentation. Subluxation Adaptability Symposium 2014 – Chicago (Sept 2014)

**Zielinski E.** Invited Presentation. Global Burden of Vertebral Subluxation. EPOC Indiana, June 2014.

**Zielinski E.** Invited Presentation Life Chiropractic College West. The Global Burden of Vertebral Subluxation. October 2014.

**Stiles A.** Supervisory Oversight for Masters in Public Health Practicum. Guidelines Development for Management of Vertebral Subluxation 2013-2014.

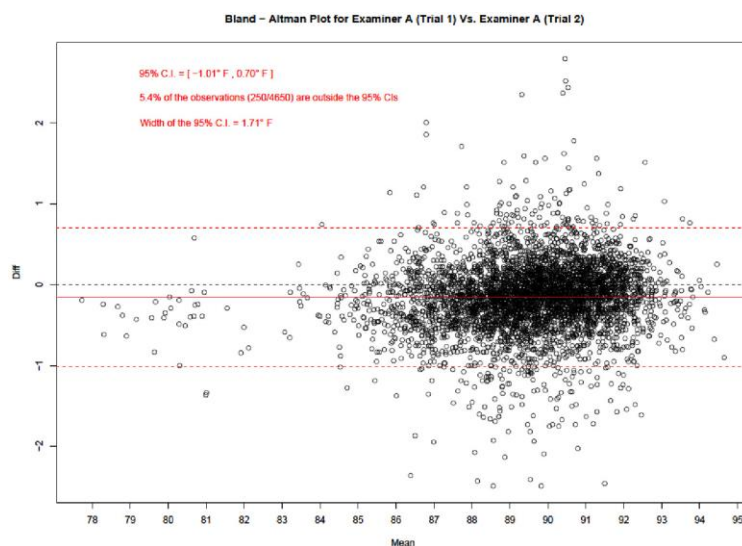
**Stiles A.** Advancing Futures Fellowship Recipient. The Development of Guidelines for the Management of Vertebral Subluxation. Current.

**Kwon C.** Advancing Futures Scholarship Recipient. Doctor of Public Health Program. Concentration on Pediatric & Maternal Health. Program & Start Date: TBD.

**Kwon C.** Advancing Futures Fellowship Recipient. The Development of Guidelines for the Management of Vertebral Subluxation. Current.

**McRae C.** Advancing Futures Fellowship Recipient. Health Outcomes, Vertebral Subluxation & Chiropractic. Clinical Research Fellowship. 2015-2016.

**Lightstone D.** Advancing Futures Fellowship Recipient. Health Outcomes, Vertebral Subluxation & Chiropractic. Clinical Research Fellowship. 2016-2017



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## UAC Research Scholarship Project

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Beginning in 2011 a group of dedicated, committed and successful chiropractors got together to discuss some of the challenging issues involving research facing the chiropractic profession. They sought to add to the literature base and at the same time to support students with an interest in research and scholarly activity. These 12 members of the UAC committed to providing \$2500.00 scholarships to students in exchange for completing case study research papers on their practice members who had experienced positive health outcomes as a result of chiropractic care. Funding for the scholarships was donated to the Foundation for Vertebral Subluxation and a group of 10 chiropractic students enrolled at Life University received all funds related to these scholarships totaling \$30,000.00. These students completed a total of 12 case study research papers with these doctors.

**Yoshimura R, Lathrop JM.** Improvement in Sensory Modulation & Functional Disorders in a Female Pediatric Patient Undergoing Chiropractic Care

**Lombardi P, Revels K.** Resolution of Infertility Following Subluxation Based Chiropractic Care: A Case Study

**Windwer S, Wolfman M.** Efficacy of Chiropractic Adjustments versus Self-Manipulation of the Lumbar Spine in a 17-Year-Old Male with Chronic Low Back Pain: A Case Study

**Geanopoulos SG, Harris J.** Chiropractic Care of a Patient with Low Back Pain, Radiculopathy and Concomitant Depression: A Case Report

**Syn G, Harper J, Fedorchuk C.** Increase in Disc Height and Improved Autonomic Function in a 59 year old Male Undergoing Chiropractic Care

**Gibson M, Gallagher S.** Chiropractic care of a 36 year old female with multiple sclerosis for the correction of vertebral subluxations: a case report

**Zielinski E, Mankal K, Pirini J.** Resolution of Trigeminal Neuralgia Following Chiropractic Care Utilizing Chiropractic Biophysics and Diversified Techniques: A Case Study

**Zielinski E, Mankal K.** An Epidemiological Approach to the Effects of Subluxation-Based Chiropractic Care on the Management of ADHD, Depression and Learning Disabilities in an 8-Year Old: A Case Study

**Slinger A, Lesho S.** Reduction in Cardiovascular Disease Risk Factors Following Chiropractic Care: A Case Study & Selective Review of the Literature

**Brown C, Swenson A.** Resolution of Recurrent Tonic-Clonic Seizures in 14-Year-Old Female Using Torque Release Technique: A Case Study

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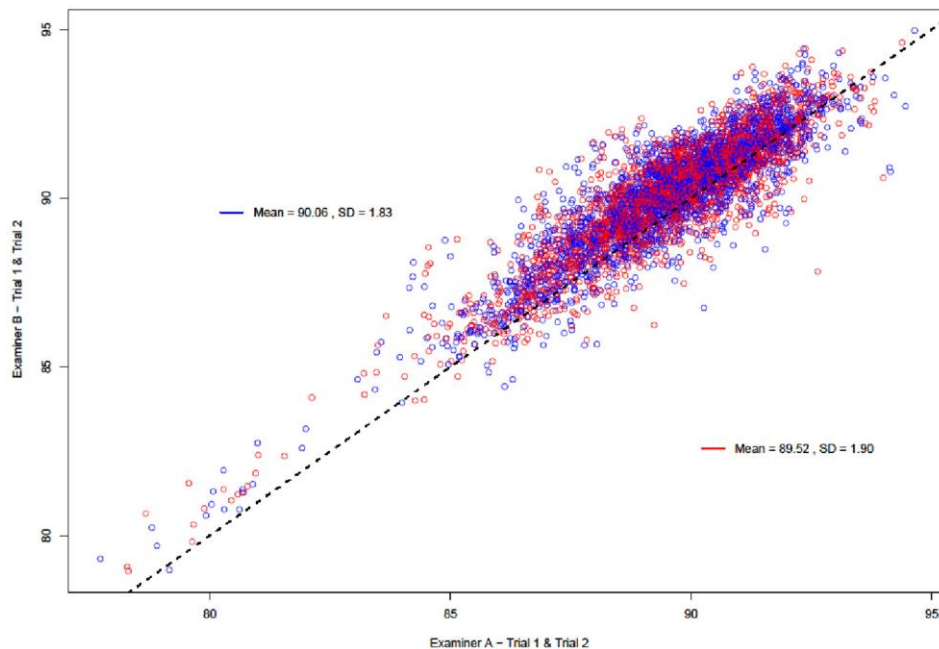
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**Eulitt HK, Giannakakis V.** Resolution of Chronic Constipation, Fecal Incontinence, and Abdominal Pain in an 8 Year Old Child Following Chiropractic Care: A Case Study & Selective Review of the Literature

**Zielinski E, Blume N.** An Epidemiological Approach to Subluxation-Based Chiropractic Care and CVD Risk Factors: A Case Study and Review of the Literature

**Zielinski E, Borkhuis SJ.** An Epidemiological Approach to the Effects Subluxation-Based Chiropractic Care had in Managing a Three Year Old Girl with Autism, Acid Reflux, Bilateral Head Pain, Seizures, and Vomiting: A Case Study and Review of the Literature

**Zielinski E, Acanfora M.** Resolution of Trigeminal Neuralgia Following Subluxation Based Chiropractic Care: A Case Study & Review of the Literature.



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## Active Studies/In Process

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**McCrossi P, Damaske D, Alcantara J, Wenban A.** The beliefs and attitudes of chiropractors and their patients on the use of an open adjusting environment. In Press.

**Lorfield L.** The Effects of Chiropractic Care on Active Duty Military and Veteran's with Post Traumatic Stress Disorder Utilizing Heart Rate Variability & Self-Reported Quality of Life. In Process.

**Acosta R.** The Effects on Quality of Life Following Upper Cervical Chiropractic Care on Active Duty Military and Veteran's with Post Traumatic Stress Disorder and Traumatic Brain Injury. IRB Stage.

**Feeley K.** Inter/Intra Examiner Reliability Study of Neurological Indicators for Adverse Mechanical Cord Tension. In Process.

**Kent C, McCoy M, Kwon C, Stiles A.** Guidelines for the Clinical Management of Vertebral Subluxation. In Process.

**Kniffin D, Haeg A.** Retrospective Study Utilizing the Pierce Results System of Analysis and the Reduction of Vertebral Subluxations. Data Analysis Stage.

**Smith M, Harden J, Jaszewski E, Galgano J.** Improvement of Adolescent Idiopathic Scoliotic and Sub-Scoliotic Curvatures in Patients Following Subluxation Correction Utilizing Pierce Results: A Retrospective Analysis. Data Analysis Stage.

**Smith M, Harden J, Jaszewski E, Galgano J.** Additional Reduction and Maintenance of Scoliotic and Sub-Scoliotic Curvatures: A Follow-up Study on AIS Patients under the Pierce Results System. Data Analysis Stage.

**Fedorchuk CA, McCoy M, Bak D, Lightstone DF, Kubricht B, Moser J, Packer J, Walton D, Binongo J.** Impact of Isometric Contraction of Anterior Cervical Muscles on Cervical Lordosis: A Pilot Study. Published. Radiology Case. 2016 Sep; 10(9):13-25

**Fedorchuk CA, McCoy M, Bak D, Lightstone DF, Kubricht B, Moser J, Packer J, Walton D, Binongo J.** Impact of Isometric Contraction of the Posterior Cervical Muscle Group on Cervical Lordosis: A Pilot Study. In Review.

**Fedorchuk C, McCoy M, Kent C.** Changes in Telomere Length Following Subluxation Centered Chiropractic Care. IRB Stage.

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**Fedorchuk C, McRae C, Lightstone DF, Villanustre F.** A Retrospective Analysis of Outcomes in Patients with Retrolisthesis Undergoing Subluxation Centered Chiropractic Care. Completed and in Data Analysis Stage.

**Fedorchuk C, McRae C, Lightstone DF, Villanustre F.** A Retrospective Analysis of Outcomes in Patients with Antero-Spondylolisthesis Undergoing Subluxation Centered Chiropractic Care. Completed and in Data Analysis Stage

**Fedorchuk C, McCoy M, Lightstone, DF, Comer. R.** Reduction in Insulin usage, improvement in Blood-Glucose, A1C Levels and Subluxation in a 26 year old male Type 1 Diabetic using the Dexcom G4 Continuous Glucose Monitoring System. Accepted for Platform Presentation. International Research & Philosophy Symposium (IRAPS) Sherman College of Chiropractic. October 2016.

**Fedorchuk CA, Snow E.** Reduction in Thoracic Hyperkyphosis with Increased PEF, FEV and SF-36 Scores Following CBP Protocols in Asymptomatic Patients: A Case Series: Accepted for Platform Presentation. International Research & Philosophy Symposium (IRAPS) Sherman College of Chiropractic. October 2016.

**Fedorchuk C, McCoy M, Lightstone, DF, Comer. R.** Changes in Vertebral Subluxation, Blood-Glucose and A1C Levels in Type 1 Diabetics using the Dexcom G4 Continuous Glucose Monitoring System: Pilot Study. IRB Stage.

**Fedorchuk C, Lightstone DF, Villanustre F, Stamp R.** The Effect of Voluntary Hamstring Isometric Muscular Contraction on Lumbar Biomechanics and Subluxation. Data Analysis Stage.

**Fedorchuk C, Lightstone DF, Comer. R, McRae C, Villanustre F.** Inter and intra-examiner Reliability and Validity of the Posture Ray Computerized Radiographic Analysis Software. Data Analysis Stage.

**Fedorchuk C, Lightstone DF, McRae C.** Reduction of Grade 2 Spondylolisthesis Following a Chiropractic and Non-Surgical Structural Spinal Rehabilitation Protocol Using Lumbar Traction: A Case Study and Selective Review of Literature.

**Fedorchuk C, Lightstone DF, McRae C.** Comparison of Radiographic Analysis of Cervical Lordosis in Lateral Full Spine Views Compared to Neutral Lateral Cervical Views. IRB Stage.

**Fedorchuk C.** A Retrospective Analysis of 150 Pre and Post Spinal Radiographs Following Chiropractic Intervention and the Relationship to Health Outcomes and Subluxation. Data Analysis Stage.

**Fedorchuk C.** Normative Data for Paraspinal Surface Electromyography in Pediatric Subjects Based on Body Mass Index. IRB Stage.

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**Fedorchuk C, Lightstone DF, Comer R, Villanustre F, Giacobelli N.** Inter and Intra-Examiner Reliability of a Dual Inclinator Measuring Cervical Spine Range of Motion. Data Analysis Stage.

**Fedorchuk C, Lightstone DF, Comer R, Bak D, Villanustre F.** Validity and Reliability of a Dual Inclinator Measurement Device. Data Analysis Stage.

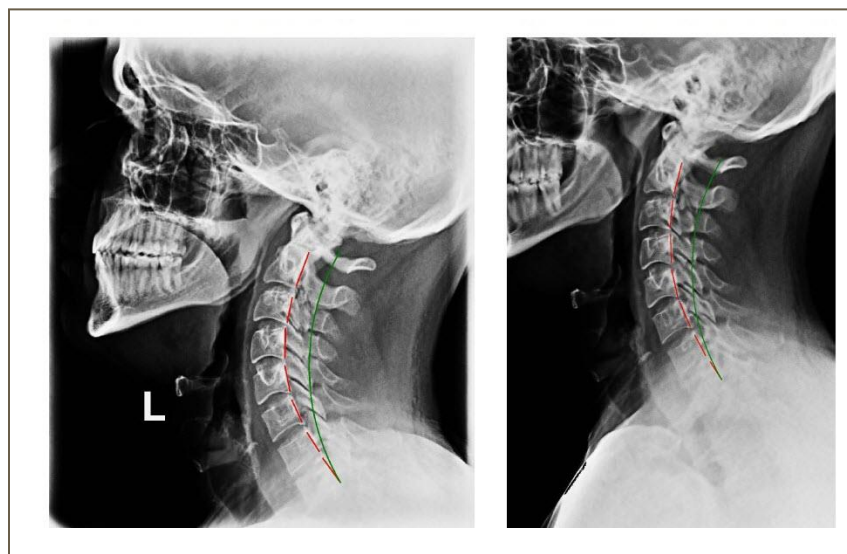
**Fedorchuk C, Cardwell A, Breton P, Villanustre F.** Mirror Image Adjusting Versus Toggle Adjusting on Shoulder Abduction Strength in 60 subjects. A Time Series Cohort Study. Data Analysis Stage.

**Fedorchuk C, Lightstone DF, Villanustre, F.** Diabetes and its Relationship to Findings on Thoracic Spine Radiographs. IRB Stage.

**Fedorchuk C, Lightstone DF.** Diabetes, Thermal Scanning and Vertebral Subluxation. IRB Stage.

**Fedorchuk C, Lightstone DF.** Pediatric Flexion-Extension Radiographic Normals. IRB Stage.

**Fedorchuk C, Bak D.** A Retrospective Analysis of Restoration of Cervical Lordosis and Reduction in Hypothyroidism: Case Series. Data Analysis Stage.



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## Research Fellowships

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**Aryn Gabai DC:** The Foundation for Vertebral Subluxation provided scholarship funding for Dr. Gabai's participation in the World Health Organization's Internship program in Geneva.

**Christie Kwon MS, DC:** The Foundation for Vertebral Subluxation provided a scholarship for three month internship at the United Nations Health Committee in New York. The Health Committee is a Non-Governmental Organization (NGO) working with the UN. Dr. Kwon worked with Dr. Christopher Kent who was Chair of this Committee. Dr. Kwon is currently an Advancing Futures Research Fellowship Recipient for the Development of Guidelines for the Management of Vertebral Subluxation.

**Anquonette Stiles DC, MPH:** Dr. Stiles received a Research Fellowship for completion of her Practicum in fulfillment of her requirements for a Master in Public Health. Her project was the development of a guidelines development process. Dr. Stiles is currently an Advancing Futures Research Fellowship Recipient for the Development of Guidelines for the Management of Vertebral Subluxation.

**Christi McRae BS, DC:** Dr. McRae is currently receiving an Advancing Futures Research Fellowship in the area of spinal biomechanics, vertebral subluxation and clinical science under the direction of Curtis Fedorchuk DC.

**Doug Lightstone BA, MS (C), DC:** Dr. Lightstone is currently receiving an Advancing Futures Research Fellowship in the area of spinal biomechanics, vertebral subluxation and clinical science under the direction of Curtis Fedorchuk DC.

**Bethany Carilli BS, DC (C):** Ms. Carilli is currently enrolled in the Doctor of Chiropractic Program at Life University. She is the recipient of an Advancing Futures Research Fellowship with her work focused on vertebral subluxation guidelines development.

**Stacy Rainey BS, DC (C):** Ms. Rainey is currently enrolled in the Doctor of Chiropractic Program at Life University. She is the recipient of an Advancing Futures Research Fellowship with her work focused on vertebral subluxation guidelines development.

**Shannon O'Brien BS, DC (C):** Mrs. O'Brien is currently enrolled in the Doctor of Chiropractic Program at Life University. She is the recipient of a Research Fellowship with her work focused on vertebral subluxation guidelines development. Her efforts are on loan to the Foundation thanks to the Larry Webster DC Memorial Scholarship through the ChiroFutures Malpractice Program.

**Ann Bishop BS, DC (C):** Ms. Bishop is currently enrolled in the Doctor of Chiropractic Program at Life University. She is the recipient of a Research Fellowship with her work focused on vertebral subluxation guidelines development. Her efforts are on loan to the Foundation thanks to the Larry Webster DC Memorial Scholarship through the ChiroFutures Malpractice Program.

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## Larry Webster DC Memorial Scholarship

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ChiroFutures Malpractice Group has established an annual scholarship in collaboration with the International Chiropractic Pediatric Association (ICPA) and the Foundation for Vertebral Subluxation in the amount of \$2500.00 to be awarded to a chiropractic student enrolled in a chiropractic college. Applicants must engage in research and/or scholarship related to chiropractic and pregnancy, maternal or child health. The research or scholarship can be a new project proposed by the student as the principle investigator or an existing project that they are involved in as a co-investigator. They may also qualify if they are serving in other capacities on a project. The project can be any type of research study or scholarship related to the topics.

### **Marjorie Butler Vinings BS, DC**

Dr. Vinings was the Inaugural Webster's Scholarship Recipient and she worked with the ICPA Research Director Joel Alcantara DC to assess and evaluate chiropractic education and training in pediatrics.

### **Shannon O'Brien BS, DC (C)**

Ms. O'Brien is currently enrolled in the Doctor of Chiropractic Program at Life University where she is enrolled in the Research Track focusing her research on gastrointestinal disorders, children & subluxation. She is a Former ORISE Fellowship Recipient and a former Research Scientist at the Centers for Disease Control & Prevention. She is a two time recipient of the Webster's Scholarship for her work on evaluation of children undergoing long term chiropractic care and for her work on the Foundation for Vertebral Subluxation's Guidelines Committee serving as the Team Leader for Literature Gathering & Organization. We thank the ChiroFutures Malpractice Program for providing that her Webster's scholarship be directed at this effort.

### **Ann Bishop BS, DC (C)**

Ms. Bishop is currently enrolled in the Doctor of Chiropractic Program at Life University. She is a recipient of the Larry Webster DC Memorial Scholarship for her work on the Foundation for Vertebral Subluxation's Guidelines Committee. We thank the ChiroFutures Malpractice Program for providing that her scholarship be directed at this effort.

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## Project Spotlight

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### **Patient Centered Guidelines for the Clinical Management of Vertebral Subluxation**

Now more than ever in the history of the chiropractic profession the vertebral subluxation concept is under attack. From the general care of children to specific denunciations of vertebral subluxation management itself in all populations, the requirement for accountability and evidence in relation to safety and efficacy are placing a strain on the forward momentum of this clinical practice focus. As the chiropractic profession focuses more of its clinical, educational and political resources towards the practice of primary care and ancillary interventions, the role of vertebral subluxation management is becoming increasingly marginalized. Various

groups have developed Practice Guidelines, Standards of Care, Best Practices and other documents that offer guidance as to the clinical landscape of chiropractic. However, at this time there is no current, credible guideline or best practices document that focuses solely on the vertebral subluxation in chiropractic practice. This project aims to develop a comprehensive patient centered, best practices guideline for the clinical management of vertebral subluxation.

This is a major project that will take a considerable amount of material and human resources to accomplish. It involves searching and reviewing the scientific literature over the span of the previous 7 years in 12 distinct topic areas related to chiropractic clinical practice. These topic areas include:

1. History and chiropractic examination
2. Instrumentation
3. Radiographic and other imaging
4. Clinical impression, assessment and recordkeeping
5. Reassessment and outcomes assessment
6. Modes of adjustive care
7. Duration of care for correction of vertebral subluxation
8. Chiropractic care for children
9. Maternal chiropractic care
10. Vertebral subluxation and well being
11. Behavioral and mental health issues
12. Patient safety, privacy and advocacy

The project is overseen by a *Guidelines Committee*, *Guidelines Work Group* and *Project Manager*. Following review by the *Guidelines Committee* the document will be put through a peer review process that will include hundreds of practitioners and experts completing a structured review and providing recommendations for changes. Following the peer review process the *Guidelines Committee Work Group* will develop a final version of the document for approval by the Guidelines Committee and then the Executive Board of the FVS. Once approved, the document will be published, disseminated and submitted to the National Guideline Clearinghouse of the Agency for Healthcare Research & Quality of the United States Federal Government for consideration of inclusion.

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Taylor Clifford  
Taylor Robin  
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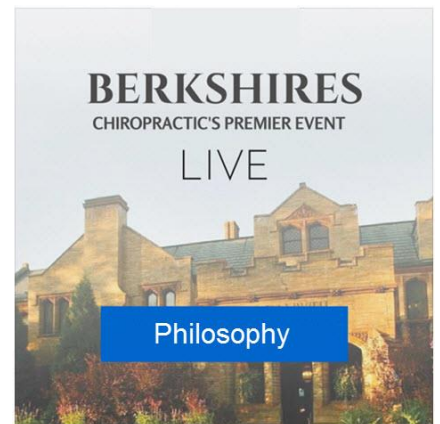
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# Our Corporate & Organizational Supporters



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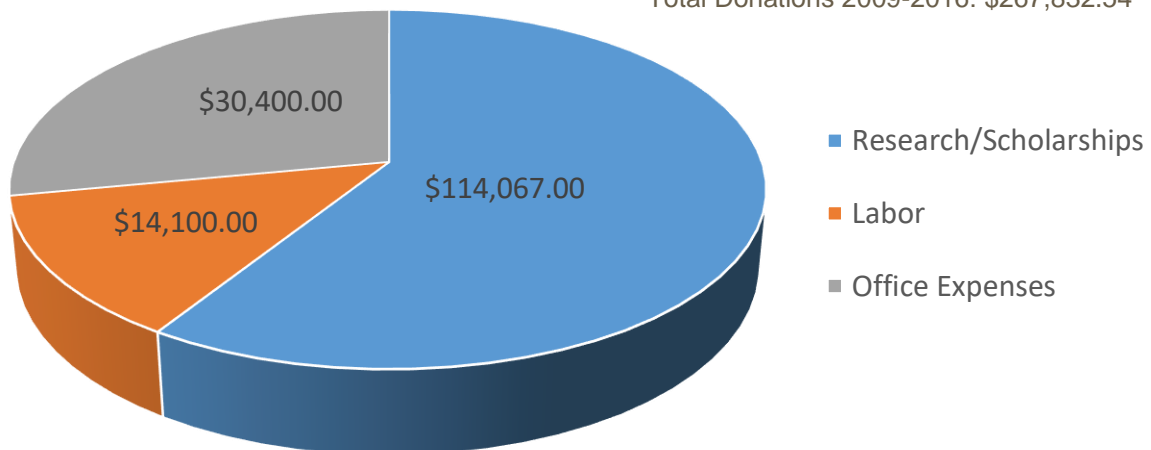
## Corporate & Organizational Supporters

- International Chiropractic Pediatric Association (ICPA)
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- On Purpose
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### Foundation for Vertebral Subluxation Budget 2009-2016

Total Donations 2009-2016: \$267,832.54



72% of expenses devoted to Research/Scholarships



## A CALL TO ACTION

This is our profession and regardless of how successful we may be in practice, the future of chiropractic for our children and their children depends on our collaborative efforts today. We have our systems in place and are ready to fulfill the task at hand.

ChiroFutures, The International Chiropractic Pediatric Association (ICPA) and the Foundation for Vertebral Subluxation are providing funding and resources to the **Advancing Futures Project.**



**We can only accomplish this with *you*.**

Please give generously to the Advancing Futures Project.

Donation form on other side.



*Securing the Future - Managing Your Risk  
Chiropractic Malpractice Insurance Program*

*ChiroFutures is a Malpractice Risk Purchasing Group founded by Matthew McCoy D.C., M.P.H., and Anthony Carrino D.C., FICPA. We are strong believers in research and the power it has to ensure the profession's future.*  
**[chirofutures.org](http://chirofutures.org)**



*The ICPA Mission is to provide education and training and to support and conduct research on chiropractic care in pregnancy and throughout childhood because all children need chiropractic care.*

**[icpa4kids.org](http://icpa4kids.org)**



*The Mission of the Foundation for Vertebral Subluxation is to advocate for and advance the founding principles and tenets of the chiropractic profession in the area of vertebral subluxation through research, education, policy and service.*  
**[vertebralsubluxation.org](http://vertebralsubluxation.org)**

*Support the future  
of chiropractic for our children...  
and their children*

**ADVANCING FUTURES**  
*Research Agenda  
& Scholarship Initiative*



## THE TASK AT HAND

We are at a crossroads in chiropractic... a time where we may lose our identity or forge forward with chiropractic leading the new paradigm of health and well-being.

As practitioners, we see the evidence of chiropractic adjustments every day in our practices. To us, it is undeniable. In terms of substantiating ourselves with the value and recognition we deserve, we are in dire need of a Research Agenda to forge forward and gain our rightful position: leaders in the vitalistic paradigm.

**ADVANCING FUTURES** is our best hope for accomplishing a collaborative, organized movement in this direction.

### We stand behind these vitalistic principles:

- *The body is a self-regulating, self-maintaining organism;*
- *The nervous system controls and coordinates all functions of the body;*
- *The spine and vertebrae house and protect the nervous system;*
- *Vertebral subluxations can occur and interfere with the function of the nervous system;*
- *Reducing and/or correcting vertebral subluxations allows the nervous system to function better and allows the fullest expression of life.*

This research agenda seeks to validate the profession and position chiropractic as a vitalistic, scientific, evidence-informed clinical practice. The more research, the greater the chance the profession will have of gaining a higher degree of respect, understanding and acceptance in the health care marketplace, the scientific community and among the patients it serves. It is imperative to make these new research advancements available to the public, other health professions, and to legislators in order to promote and to systematically advance the field of subluxation-centered chiropractic through the initiation of favorable public health policy.

## THE SOLUTION

The vertebral subluxation research agenda will involve defining the current state of the art and literature base to determine what is known and not known about each research objective. This will allow for the most efficient use of valuable resources.

### The agenda centers on five areas:

1. Research focused on the description and identification of the various operational models of vertebral subluxation.
2. Research focused on the validity and reliability of measures to identify and characterize vertebral subluxation.
3. Research on the epidemiology of vertebral subluxation including its incidence, prevalence, morbidity and mortality.
4. Research on clinical strategies for preventing, arresting, reducing and correcting vertebral subluxations.
5. Research on health outcomes following management of vertebral subluxation.

**In order to accomplish the goals and objectives of the research agenda, the following long-term project is proposed:**

1. Create and support the next generation of subluxation-centered scientific researchers to carry out these projects;
2. Identify and continuously update a manifest of research projects directly relevant to the agenda;
3. Involve a large segment of subluxation-centered groups, organizations, associations, vendors, practitioners and patients;
4. Develop, implement and exploit central data repositories;
5. Market the project and its results to chiropractors, students, patients, legislators, policy makers and the general public through an integrated campaign.



To read more about our vision and goals, please visit our website:  
<http://tinyurl.com/advancingfutures>

## WE NEED YOUR SUPPORT NOW

<i>Please select a category of giving and send in your donation today.</i>	— LEGACY	\$25,000
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The Foundation is a 501 3(C) and as such all donations are tax deductible with the IRS.

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