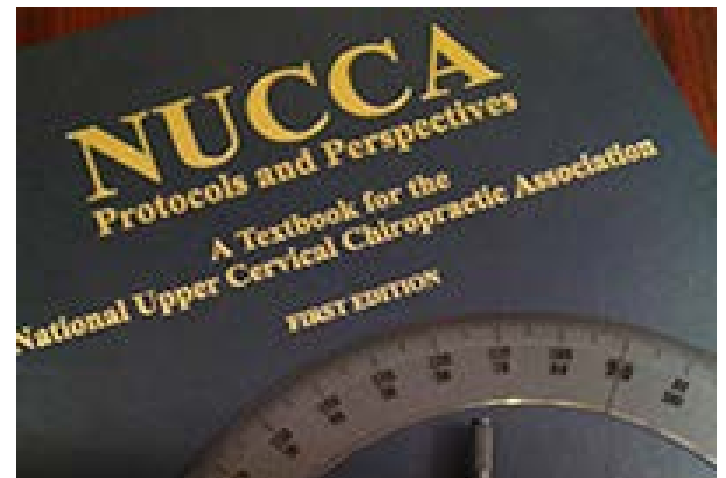


# UCRF Impact Report 2021



Upper Cervical Research  
Foundation

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**UPPER CERVICAL RESEARCH  
FOUNDATION**

## Our History

In 1971 Dr. Ralph Gregory formed the National Upper Cervical Chiropractic Research Association (NUCCRA) which later became the Upper Cervical Research Foundation (UCRF).

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## Our Mission

The Upper Cervical Research Foundation is devoted to developing and facilitating comprehensive research to investigate the relationship between the biomechanical and neurological balance of the upper cervical spine, cranio-cervical junction and its profound effect on human health and well-being.

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## IMPACT

In the last 12 years UCRF has raised \$1.1 million and has directly invested more than \$900,000 into research projects including the PCMRI Migraine Study, Supine Leg Check, Finite Element Modelling Study, Hypertension Study, Vertex Study, X-Ray Positioning Study, X-Ray Reliability Study, and the Functional Leg Length Scoliosis Study.

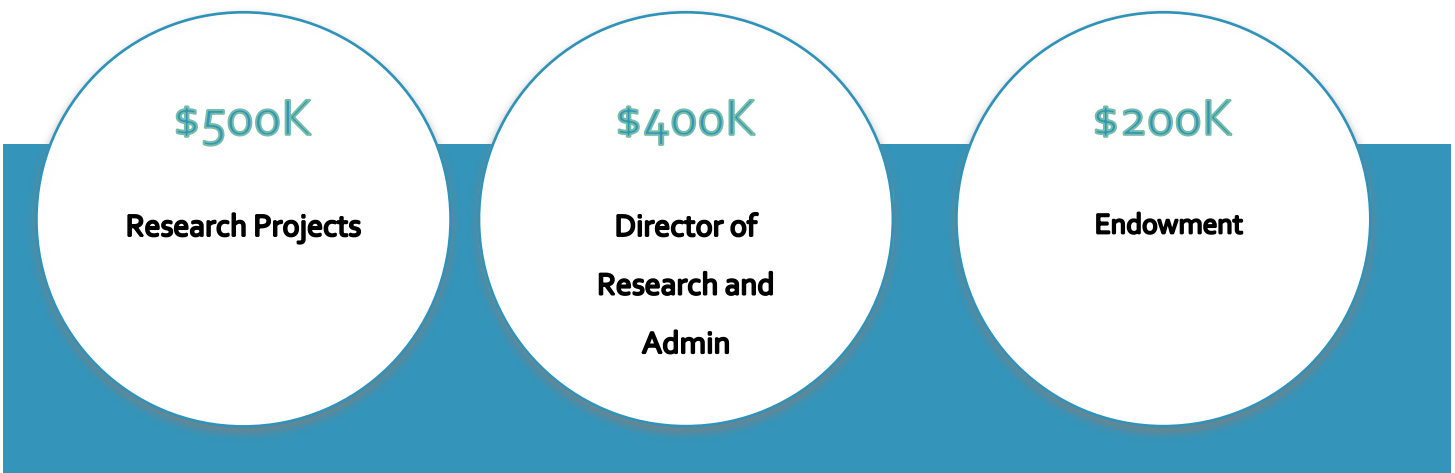
### Funds Raised by UCRF 2009-2021

	Gregory Circle Residual	Small Steps to Success	Corporate Donations	Misc.
<b>Total*</b>	<b>\$428,597</b>	<b>\$261,380</b>	<b>\$324,233</b>	<b>\$85,018</b>

**Total Raised: \$1,099,228**

\*Approximate numbers

### Funds Invested by UCRF 2009-2021



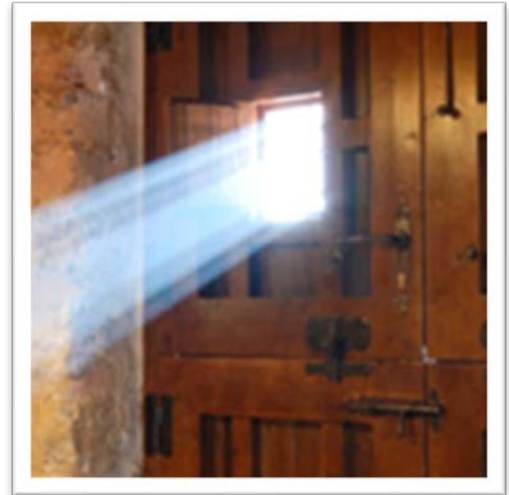


## Fundraising and Supporters

- **Gregory Circle Residual**  
A portion of NUCCA membership dues that go towards research and have been an important source of funding for our research initiatives.
- **Small Steps to Success**  
Our annual fundraising campaign that takes place in offices across North America and raises awareness and resources to support our ongoing research.
- **Corporate & Private Donations**  
Over the years we have received generous donations from many corporate and private donors such as Divine Concepts, The Tao Foundation, The Hecht Foundation, T.C. Energy, Standard Process and Mr. Greg Buchanan.
- **Misc. and Other**  
A variety of independent events help raise funds such as the Beer Party at the NUCCA Conferences and student led school Running Events.

# Current Research Projects

- X-Ray Reliability
- X-Ray Positioning
- Vertex Study
- Concussion Paper
- Short Condyle Study
- Correction, Stability and Quality of Life
- Blood and CSF Flow Study Data
- Posture Information Study
- NUCCA Standards
- Concussion Case Series
- Migraine and C1 and C2 influence
- Upright Posture Analysis Study
- Radiographic Positioning Study
- PBR Study



UPPER CERVICAL RESEARCH  
FOUNDATION



# Publications

## Indexed Publications:

- Functional Leg Length Discrepancy among Pediatric Scoliosis: A Reversible Neuromuscular Compensation from Craniocervical Misalignment Study. Journal of Musculoskeletal Disorders and Treatments. 2021
- Effect of Atlas Vertebrae Realignment in Subjects with Migraine: An Observational Pilot Study. Biomed Research International. 2015
- Cranio-cervical chiropractic procedures- a precis of upper cervical chiropractic. J Can Chiropr Assoc. 2015 Clinical Study
- Inter-examiner reliability of supine leg checks for discriminating leg-length inequality. J Manipulative Physiol Ther. 2011
- Atlas vertebra realignment and achievement of arterial pressure goal in hypertensive patients: a pilot study. J Hum Hypertens. 2007



## Abstracts in Indexed Journals:

- Inter-examiner reliability in analysis of orthogonal radiographs. Poster presentation. J Chiropr Educ. 2014
- MRI measured change in intracranial flow of a migraine headache subject – a case report. Poster presentation. J Chiropr Educ. 2014
- Observed changes in quality of life measures and cerebrospinal fluid flow parameters in migraine subjects receiving chiropractic care. Poster presentation. J Altern Complement Med. 2015
- Examiner reliability in analysis of orthogonal radiographs-phase 2. Poster presentation. J Chiropr Educ. 2014
- Method for evaluating the precision of patient positioning in pre- and post-nasium x-ray film pairs. Platform presentation. Chiropr Educ. 2012
- Inter-and intra-operator patient positioning repeatability in pre- and post-radiographic studies using a novel positioning device and a phantom mannequin. Poster presentation. Chiropr Educ. 2010
- Efficacy of Hands-on Instructional Training for the Supine Leg Check: A Feasibility Study. Chiropr Educ. 2010

## Non-Indexed Publications:

- Resolution of Facial Neuralgia Following Reduction of Atlas Subluxation Complex: A Case Study. J Up Cerv Chiropr Res. 2015

- Improvement in Subjective, Academic and TOVA Measures in a Child with ADHD Following Upper Cervical Chiropractic Management. J Upr Cerv Chiropr Res. 2014
- Resolution of hypertension following reduction of upper cervical vertebral subluxation: a case study. J Upr Cerv Chiropr Res. 2014
- Quality of life improvement in patients with chronic fatigue syndrome following upper cervical chiropractic care. J Upr Cerv Chiropr Res. 2012
- Upper cervical chiropractic care of a female patient with multiple sclerosis: a case study. J Upr Cerv Chiropr Res. 2012
- Reduction in symptoms related to Parkinson's Disease concomitant with subluxation reduction following upper cervical chiropractic care. J Upr Cerv Chiropr Res. 2011
- Reduction in scoliosis in a 10-year-old female undergoing upper cervical chiropractic care: a case report. J Pedi Matr Fam Heal. 2010
- Improvement in adolescent idiopathic scoliosis in a patient undergoing upper cervical chiropractic care: a case report. J Pedi Matr Fam Heal. 2010
- Upper cervical chiropractic care of a patient with joubert syndrome and hemifacial spasm. J Pedi Matr Fam Heal. 2009
- Improvement in radiographic measurements, posture, pain & quality of life in non-migraine headache patients undergoing upper cervical chiropractic care: a retrospective practice-based study. J Vert Sublux Res. 2009

## **Abstracts in Non-Indexed Publications:**

- Proceedings of the 11th International Research and Philosophy Symposium (IRAPS) Spartanburg, SC. October 16-19, 2014. A. Vertebral Subluxation Res. 2015
- Resolution of Myasthenia Gravis Symptoms Following Upper Cervical Chiropractic: A Case Report.
- Changes in Quality of Life Assessments and MRI Measured Intracranial Compliance of Migraine Subjects Receiving a National Upper Cervical Chiropractic Association Atlas Correction.
- Improvement in Post-Concussion Symptoms in a 16-Year-Old Female Under Upper Cervical Chiropractic Care— A Case Report.
- Outcome of an Infant with Chronic Constipation Following Upper Cervical Care: A Case Report
- Examiner Reliability in Analysis of Orthogonal Radiographs.

## **Miscellaneous:**

- Observer Reliability using the NUCCA Spinographic Analysis System. Submitted to JMPT. Unpublished manuscript. 1982.
- Cessation of a seizure disorder: correction of the atlas subluxation complex. 1991
- Upper Cervical Adjustments May Improve Mental Function. J Manual Medicine 1992
- Rand-36 used as an outcome measure in a NUCCA practice. Chiropr Res J. 1997
- Acute effect of NUCCA upper cervical adjustment on patients with diabetes type II Chiropr Res J. 2000

## **Posters:**



- Inter-examiner reliability in analysis of orthogonal radiographs. Association of Chiropractic Colleges Research Agenda Conference. 2015.
- MRI measured change in intracranial flow following upper cervical chiropractic care of a migraine headache subject—a case report. Association of Chiropractic Colleges Research Agenda Conference. 2015.
- Changes in intracranial compliance & quality of life in migraine subjects receiving an atlas intervention using a National Upper Cervical Chiropractic Association (N.U.C.C.A.) procedure. IN-CAM Conference. 2014.
- Observed Changes in Quality of Life Measures and Cerebrospinal Fluid Flow Parameters in Migraine Subjects Receiving Chiropractic Care. International Research Congress of Integrative Medicine and Health. 2014.
- Examiner reliability in analysis of orthogonal radiographs-phase 2. Association of Chiropractic Colleges Research Agenda Conference. 2014.
- An Alternative for Chronic Fatigue Syndrome. International Research Congress of Integrative Medicine and Health. 2012.
- Phase contrast magnetic resonance measured changes in migraine subject following chiropractic care. International Congress of Complementary Medicine Research. 2011.
- Inter-examiner reliability of supine leg checks for discriminating leg length
- Efficacy of Hands-on Instructional Training for the Supine Leg Check: A Feasibility Study. Association of Chiropractic Colleges Research Agenda Conference. 2010.
- Health-related quality of life in stage one hypertensive subjects after a chiropractic correction. World Federation of Chiropractic. 2009.

In 2016 UCRF created an online resource to allow access to all the past monograph paper editions and to continue The Upper Cervical Monograph tradition started in 1973 by Dr. Gregory.

Current UCRF research publications can be found here:

[www.ucmonograph.org](http://www.ucmonograph.org)



# UCRF Board of Directors

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Dr. Marshall Dickholtz Jr., Director

Dr. Daiki Ishiyama, Director

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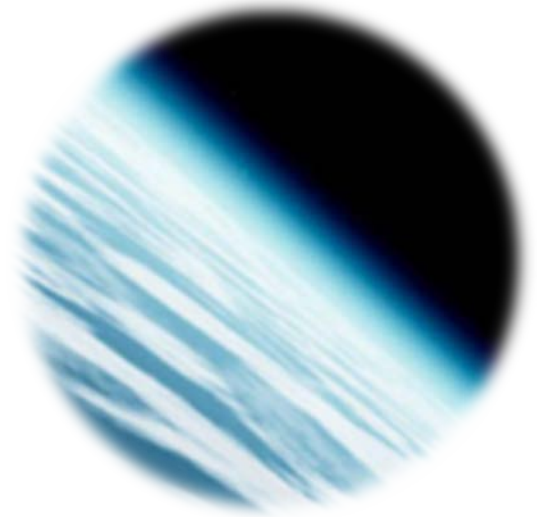
Dr. Keith Denton, UCRF Resident Agent

## **Standards and Certification Committee**

Dr. Craig Lapenski and Dr. Marshall Dickholtz, Jr. Co-Chairs

## **Standards Review Committee**

Dr. Glenn Cripe, Dr. Craig Lapenski and, Dr. Tymothy Flory



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