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March 11, 2024

To: State Board of Chiropractic Examiners; Continuing Education Division

RE: Clinical Care of the Chiropractic Patient: May 2024

May 11, 2024 in Davenport, Iowa

Dear Valued State Board:

Enclosed please find a copy of the schedule for the above listed seminar/s. Copies of the syllabii, as well as the instructor's CVs are also enclosed. This program is designed to enhance the ability of the Doctor of Chiropractic to better care for his/her patients in chiropractic practice.

We are respectfully requesting approval of the program by your state for license renewal requirements.

The instructors for this program are members of the Palmer College of Chiropractic Continuing Education faculty for select seminars and dates. An administrator will be moderating each online module, documenting and verifying each attendee's time in the class. Attendance verification will be mailed to attendees following each seminar, and a list of attendees sent to those state boards that so require such.

We look forward to hearing from you at your earliest convenience regarding your state board's approval of this program for license renewal requirements in your state. If you need any further information, please contact us.

Sincerely,

Hannah Staub
Program Coordinator
Palmer College Continuing Education Department

SCHEDULE

SEMINAR NAME: Clinical Care of the Chiropractic Patient: May 2024

SEMINAR DATE: May 11, 2024

LOCATION: Davenport, Iowa

NUMBER OF CREDITS: Ten (10) Credit Hours

SEMINAR HOURS: Saturday 8am- 7pm

SEMINAR INSTRUCTOR: Robert Rowell, D.C., M.S.
Siri Leech, D.C., DACBR
Brian Anderson, D.C., M.P.H., Ph.D.
Amberly Ferguson, D.C.
Chad Hagen, D.C.



Monitoring Statements for Continuing Education

Certification of Attendance

Dan Weinert, D.C., College Provost, is the attendance officer. Certificates of Attendance are sent to attendees after the seminar. Records are maintained by the Continuing Education Department at Palmer College of Chiropractic in Davenport, Iowa.

Monitoring Attendance

All Palmer College live seminars utilize the service *of* one or more live monitors who are present throughout the duration of the seminar. Seminar attendees must show a photo Id, check in and out each time they exit or enter the meeting site, and sign the attendance roster which contains a disclosure statement to allow us to release CE records to select boards who require the information. Attendees are not allowed to record their own attendance hours.

Monitors utilize check in and check out procedures, and may also use head counts, and announcements as double checks. Monitors give credit only for the hours that a doctor is physically attending a seminar. Late arrivals, early departures, or prolonged breaks are duly noted by the monitor and hours granted only for the time a doctor spends in session.

Clinical Care of the Chiropractic Patient: May 2024 OUTLINE

Saturday, May 11, 2024

8-10 a.m.

Choosing Diagnostic Tests for your Practice

Robert M. Rowell, DC, MS

This course will examine the Evidence Based Practice characteristics of commonly used diagnostic tests. We will examine the trend toward clusters of tests for more diagnostic accuracy.

Hour 1

- Diagnostic Test Accuracy
- Sensitivity, Specificity, Positive Predictive Values, Negative Predictive Values
- Likelihood ratios
- Pre-test and Post-test odds

Hour 2

- Choosing Diagnostic tests
- Samples of Diagnostic tests for chiropractic practice
- Diagnostic test clusters
- EBCP resources

10 a.m.- 12 p.m.

MSK Aunt Minnies

Siri Leech, D.C., DACBR

This session will review and discuss don't miss radiologic cases that have a classic appearance. We will cover spine, extremities, and advanced imaging follow-ups, as well as case management. We will focus on increasing your confidence in recognizing classic cases, just like you would recognize your Aunt Minnie.

HOUR 1

- Classic spine related cases
- Advanced imaging – when is it warranted?
- Case management

HOUR 2

- Classic extremity related cases
- Advanced imaging – when is it warranted?
- Case management

1-3 p.m.

Navigating Challenging Patient Cases: Insights and Clinical Pearls

Brian Anderson DC, MPH, MS, PhD

HOUR 1

- Defining the “complex patient”
- Biopsychosocial influences in chronic pain
- Beyond the basics: History, Examination, and Differential Diagnosis

HOUR 2

- Communication skills: Choose your words carefully.

- Interactive Case Discussion

3-5 p.m.

Keeping it Renal from the Chiropractic Perspective

Amberly Ferguson D.C.

In this 2-hour session, Dr. Amberly Ferguson will review and discuss kidney anatomy, physiology, and pathologies. She will discuss differential diagnosis regarding renal function including importance of history, examination, and recommendations for care from a chiropractic perspective.

Hour 1

- Review of anatomy and physiology
- 5 most common kidney pathologies- what are they?

Hour 2

- 5 most common kidney pathologies- what can a DC discover in the history and exam?
- Examination, recommendations, diagnostic testing, and treatment- what can a DC do?

5-7 p.m.

Sacro Occipital Technique: Technique Take-Home Tips

Chad Hagen, D.C., CSP

This class will cover a brief history of Dr. M. B. DeJarnette and his development of the Sacro Occipital Technique. We will explain certain diagnostic and treatment protocols used in SOT®. Whether you are an SOT® practitioner or not, this class will give you some clinical pearls to take home to your practice.





Hour 1:

- Intro to Dr. M.B. DeJarnette
- The development of Sacro Occipital Technique
- Basic Categorization
 - Category I
 - Category II
 - Category III

Hour 2:

- Assessment Protocols
- Treatment Protocols
- Introduction Into Chiropractic Manipulative Reflex Techniques

Brian Anderson DC, PhD, MPH

524 Cardinal Ave Oswego IL 60543 
630-710-0702 
Niugrads1999@gmail.com 
<https://bit.ly/2IJrPJI> 

Skills

- High level presentation & communication skills
- Conservative management of musculoskeletal disorders
- Health services research
- Undergraduate and graduate health sciences educator
- Python programming, machine learning

Experience

Assistant professor | Palmer College of Chiropractic | 2020-present

- Full-time research faculty at the Palmer Center for Chiropractic Research

Associate professor | National University of Health Sciences | 2011-2019

- Attending Clinician: supervision of chiropractic clinical internship experience
- Teaching responsibilities: Introduction to Botanical Medicine, Introduction to Public Health (online undergraduate); Western physical diagnosis (classroom graduate); Functional Nutrition in a Clinical Setting (online graduate); Various postgraduate continuing education seminars.

Medico-legal consultant | INSPE Associates | 2009-2017

- Medico-legal consulting; expert witness testimony

Adjunct faculty | Benedictine University | 2012-2013

- NUTR 100- Impact of Nutrition (Blended course)

Chiropractic physician | Northwestern Memorial Physicians Group | 2009-2011

- Associate chiropractic physician in a university based integrative medicine center

Chiropractic physician/owner | Martin Avenue Chiropractic & Wellness | 2004-2008

- Owner and chiropractic physician at a family practice chiropractic clinic

Education

Bachelor of Science | 1999 | Northern Illinois University

- Major: Public Health
- Minor: Biology

Doctor of Chiropractic | 2004 | National University of Health Sciences

- Major: Chiropractic

Master of Public Health | 2008 | Benedictine University

- Major: Public Health
- Minor: Nutrition

Master of Science | 2014 | National University of Health Sciences

- Major: Advanced Clinical Practice

Doctor of Philosophy | 2019 | Northern Illinois University

- Major: Health Sciences
- Dissertation topic: Improving value-based treatment of musculoskeletal disorders by using treatment escalation models.
- Advisors: MJ Blaschak PhD, Hamid Bateni PhD- Associate Professors of Physical Therapy

Activities

- 2018-present: Editorial Advisory Board- DC Tracts (Data Trace Publishing)
- 2018-present: American Public Health Association scientific session abstract peer reviewer
- 2018- Best scientific paper- Association of chiropractic colleges- Research agenda conference. "Examining medical claims data on the utilization of chiropractic services for treatment of neck pain to determine risk of treatment escalation."
- 2015-present: NCMIC Foundation Educational Scholarship- 5-year award (\$25,000 total)
- 2012-present: Peer reviewer (Chiropractic & Manual Therapies, Journal of Bodywork & Movement Therapies, Journal of Chiropractic Medicine, Journal of Chiropractic Education)

Podium/Poster Presentations

- Association of Chiropractic Colleges 25th Educational Conference and Research Agenda Conference (ACC-RAC). Dallas, TX March 8-10 2018. Podium presentation: "Examining medical claims data on the utilization of chiropractic services for treatment of neck pain to determine risk of treatment escalation."
- American Public Health Association 2017 Annual Meeting- Atlanta GA. November 4-8 2017. Podium presentation: "Examining medical claims data on the utilization of chiropractic

services for treatment of low back pain to determine risk of treatment escalation: A pilot study”

- 14th International Conference in Mechanical Diagnosis and Therapy- San Francisco CA. September 22-24, 2017. Poster presentation: “Assessment and Treatment of Low Back Pain: From Crisis to New Paradigms”

Publications

- Anderson BR, McClellan S. Analyzing the association between provider type and use of opioid medications in the management musculoskeletal disorders- A secondary analysis of insurance claims. Currently under review- Chiropractic & Manual Therapies
- Anderson BR, McClellan S. Examining medical claims data on the utilization of chiropractic services for treatment of neck pain to determine risk of treatment escalation. Currently under review- Journal of Manipulative and Physiological Therapeutics.
- Anderson BR, Meyster V. Treatment of a patient with central pain sensitization using Graded Motor Imagery principles- A case report. J Chiro Med 2019 Feb 2.
- Anderson BR. Letter to the Editor. RE: "X-Ray Imaging is Essential for Contemporary Chiropractic and Manual Therapy Spinal Rehabilitation: Radiography Increases Benefits and Reduces Risks" by Oakley et.al. Dose Response June 19, 2018
- Anderson BR. The Lancet Low Back Pain Working Group three-part series- A review focusing on relevance to the chiropractic profession. Dynamic Chiropractic- June 2018
- Anderson BR. Metabolic Syndrome- 2-part audio lecture. DC Tracts, Vol 29 #3. Fall 2017
- Anderson BR. Challenging the Research Paradigm: Moving Beyond the RCT. Dynamic Chiropractic Vol 35, #12 December 2017
- Anderson BR. Provider-Induced Demand- A Big Problem in Health Care. Dynamic Chiropractic Vol 35, #7 June 2017
- Anderson BR. An Introduction to and Rationale for Low Back Pain Classification Systems. Feature Article- DC Tracts, Vol 28, #1. Spring 2016
- Anderson BR. Previously undiagnosed malignant brain tumor discovered during examination of a patient seeking chiropractic care. J Chiro Med 2016 March p42-46
- Anderson BR. The impact of dietary change in a patient with Ichthyosis Vulgaris: A case report. Integrative Medicine: A Clinicians Journal. June/July 2015
- Anderson BR, Pittsinger A. Improvement in chronic muscle fasciculation with dietary change: A suspected case of gluten neuropathy. J Chiro Med 2014 June;13(2)
- Oleckno WA, Nathan LM, Anderson BR. Achieving compliance with the radium standards for drinking water in a Midwestern community: a case study. J Environ Health 2001 Apr;63(8):9-15

License & Certifications

- Licensed Chiropractic Physician- Illinois license # 038-010322
- Licensed Chiropractic Physician- Iowa license # 100501
- Certified Clinical Nutritionist (CCN)- Clinical Nutrition Certification Board (2004)
- Mechanical Diagnosis & Therapy (CertMDT)- McKenzie Institute USA (2015)

Post-graduate/Continuing Education (most recent)

- Kharrazian Institute Functional Medicine Clinical Training- Courses 1-4 (12 CEUs each)
 - Cochrane Interactive Learning- Conducting an Intervention Review (11 modules, 15 hours)
 - 2018 Association of Chiropractic Colleges Research and Agenda Conference (13.5 CEUs)
-

AMBERLY A. FERGUSON, D.C.

CURRICULUM VITAE

CONTACT INFORMATION

626 W. Rusholme St., Davenport, IA 52803

Work Phone: 563.884.5789

Cell phone: 651.239.7614

amberly.ferguson@palmer.edu

EDUCATION

Palmer College of Chiropractic
Doctor of Chiropractic, Cum Laude

June 2007

University of Northern Iowa
Bachelor of Arts with Biomedical Emphasis
Major: Biology; Minor: Chemistry

December 2003

CURRENT POSITION (2020-present)

Assistant Professor, Life Sciences, Palmer College of College, 1000 Brady St., Davenport, IA 52083

PROFESSIONAL EXPERINECE

Adjunct Instructor, Health Science
Rasmussen College, Blaine, MN

March 2012 – December 2019

Adjunct Instructor
CenterPoint Massage & Shiatsu Therapy School & Clinic, St. Louis Park, MN

April 2014 – April 2015

Associate Chiropractor
Mounds View Chiropractic, Mounds View, MN

May 2016 – May 2019

Chiropractor
The Uptown Chiro, Minneapolis, MN

November 2011 – April 2015

Associate Chiropractor
Lakewoods Chiropractic, Forest Lake, MN

July 2007 – August 2009

INVITED PROFESSIONAL PRESENTATIONS

Ferguson, A. 2021. The Thyroid Connection. Palmer Clinical Health Series. Davenport, IA. November 20.

Ferguson, A. 2022. Take the Guess Work Out of Lab Work. Palmer Homecoming. Davenport, Sept. 15.

Ferguson, A, Hopkins, K. 2023. Helping Female Patients Transition Through the Stages of Menopause. Palmer Homecoming. Davenport, Sept. 14.

INVITED COMMUNITY PRESENTATIONS

Palmer Pediatrics Club- Understanding Infertility. Davenport, IA. February 11, 2022

ABSTRACTS | PRESENTATIONS

Crouse, J, A Ferguson, E Twist, J Bhatti, W Jones. 2021. Faculty perceptions of an abrupt transition to online teaching during the COVID-19 pandemic: a descriptive study. 27th Association of Chiropractic Colleges Research Agenda College. Mar 27, Online.

Ferguson, A. 2021. Low-stakes Formative Assessments for an Online Physiology Course to Impact Comprehension of Material. Chiropractor Educators Research Forum. June 26, Online.

Ferguson, A, J Crouse, J Bhatti, E Twist, W Jones. 2021. Chiropractic faculty and students' perceptions of an abrupt transition to online teaching during the COVID-19 pandemic: a descriptive study. WFC Biennial Congress. Sep 23, Online.

Ferguson, A, Nightingale, L. 2023. Classroom Resources: Utilization and Influence on Course Performance. Association of Chiropractic Colleges Research Agenda College. March 24, New Orleans.

ACADEMIC APPOINTED POSITIONS (Palmer College of Chiropractic)

Academy of Educators	March 2020 – Present
In-Service Committee	December 2020 – Present
Faulty Senate Senator	July 2022 - Present
Center for Teaching and Learning Hiring Committee	May 2022
Research Aspirations, Interests, and Skills Exploratory (RAISE) Ad-hoc Committee	May 2022 – Present

PEER REVIEWER

Chiropractic Educators Research Forum (CERF)	March 2021 – Present
Journal of Chiropractic Education (JCE)	June 2021 – Present
Association of Chiropractic Colleges Research Agenda College	October 2022 – Present

ADVISING

Faculty Advisor for Student American Chiropractic Association Club	October 2020 – Present
Faculty Advisor for Palmer Women's Institute: Women in Chiropractic	March 2021 – Present
Faculty Advisor for KTC: Kairos Training Culture Club	March 2022 – Present
Faculty Advisor Animal Chiropractic Club	November 2022 – Present

Sigma Phi Chi Sorority Advisor/Mentor January 2021 – Present
Faculty Advisor for Student Council July 2022 – Present

PEER-REVIEWED PUBLICATIONS

Anderson B, Shannon K, Baca K, Crouse J, Ferguson A, Margrave A, Meyers M, Percuoco K, Schneider P, Smith J, VanNatta M, Wells B, Nightingale L, Salsbury SA. (Accepted for publication). A scoping review to identify barriers and facilitators of research participation among chiropractic faculty. *Journal of Chiropractic Education*.

NON-PEER REVEIWD PUBLICATIONS

Non-peer reviewed protocol: <https://doi.org/10.17605/OSF.IO/RGVM3> November 2022

AWARDS | CERTIFICATIONS | LICENSES

Chiropractic National Boards parts I-IV and P.T. May 2007
Minnesota Career College Association Faculty of the Year 2014
Minnesota Chiropractic Board License August 2007 – December 2022
Iowa Chiropractic Board License May 2021 – Present
NBCE Education Research Award March 2023
Thelma Fordyce-Mark Award-- Classroom Resources:
Utilization and Influence on Course Performance 2023

COMMUNITY SERVICE

Salvation Army bell ringer 2020 – Present
Impact Life blood donor 2020 – Present
American Association of University Women 2021 – Present

CHAD M. HAGEN, D.C. CSP

Palmer College of Chiropractic
1000 Brady St, Davenport IA 52803
563-884-5232
Chad.hagen@palmer.edu

EDUCATION

Pleasant Valley High School – Bettendorf, IA High School Diploma	1993 – 1997
Scott Community College – Bettendorf, IA Pre-Chiropractic (Undergraduate Program)	1999 – 2001
Palmer College of Chiropractic – Davenport, IA Doctor of Chiropractic	2002 – 2005
National University of Health Sciences – Lombard, IL 100 Hour Acupuncture Certification Course	2007 – 2008
University of Iowa – Iowa City, IA Evidence-Based Clinical Practice Workshop	November 2015
Sacro-Occipital Organization-USA Certified SOT Practitioner (CSP)	May 2016
Quad-Cities Professional Development Network Primary Certificate Excellence in College Teaching	November 2016
McMasters University – Ontario, Canada EBCP Workshop R25 Grant	2016
Process of Integrating Evidence (PIE) Conference – Bloomington, MN Evidence-Informed Practice (EIP) Workshop	July 2017
McKenzie Part A - Davenport	August 2019

TEACHING EXPERIENCE

Palmer College of Chiropractic – Davenport, IA Work Study (Technique Department / Outreach Clinic) ~ Grade exams, organize x-rays and assist students.	2003 – 2005
Palmer College of Chiropractic – Davenport, IA President of Atlas Orthogonal Club ~ Arrange speakers and workshops promoting A.O.	2004 – 2005

Palmer College of Chiropractic – Davenport, IA Preceptor Program ~ Allow students to shadow in my office and provide them experience in a private practice environment.	2007 – Present
Palmer College of Chiropractic – Davenport, IA Adjunct Technique Instructor ~ Teach and assist Lead Instructor with various technique courses within the Palmer Curriculum.	2008 – 2016
Palmer College of Chiropractic – Davenport, IA Instructor Technique Department Lead Instructor Subluxation Analysis, Toggle Recoil, SOT I, & SOT II	2016 – 2018
Palmer College of Chiropractic Homecoming – Davenport, IA Overview of SOT ~ 3 hrs	2018
Palmer College of Chiropractic – Davenport, IA Assistant Professor Technique Department Lead Instructor Subluxation Analysis, Toggle Recoil, SOT I, & SOT II	2018 – Present

RELEVANT WORK EXPERIENCE

Hagen Chiropractic Clinic – Bettendorf, IA Doctor of Chiropractic / Business Owner	2005 – Present
Palmer College of Chiropractic – Davenport, IA Adjunct Technique Instructor Lead Technique Instructor (March of 2014)	2008 – 2016
Palmer College of Chiropractic -Davenport, IA Assistant Professor-Technique Department Subluxation Analysis, Toggle Recoil, SOT I, & SOT II	2016 - Present

Service to the Profession / Awards

SOT Club – Advisor	2016 – Present
Iowa Chiropractic Club – Advisor	2016 – 2018
Palmer Upper Cervical Club – Advisor	2018 – Present
Kairos Club – Advisor	2018 – Present
Third Trimester Faculty of the year	2018 – 2019

Dr. Arthur Mork Service Award
Sigma Phi Chi Sorority Service

2019

SIRI LEECH

2410 12th Street, Moline, IL

608.215.9791 | siri.leech@palmer.edu

EDUCATION

Palmer College of Chiropractic
Diplomate of the American Chiropractic Board of Radiology

Davenport, IA
July 2016

Palmer College of Chiropractic
Doctor of Chiropractic

Davenport, IA
2011

University of Montana
B.A. Biology

Missoula, MT
2005

EXPERIENCE

November 2016 – current
Associate Dean of Clinical Sciences

Palmer College of Chiropractic
Davenport, IA

July 2016-current
Assistant Professor

Palmer College of Chiropractic
Davenport, IA

- **Academic Team-Taught Courses – Current Courses**
 - **Chiropractic Practices I (lead instructor)**
 - **Chiropractic Practices II (lead instructor)**
 - **Chiropractic Practices III (lead instructor)**
 - **Radiology Quality I Lecture (lead instructor) and lab**
 - **Radiology Quality II Lecture (lead instructor) and lab**

- **Academic Instructor – Previous Courses**
 - Biomechanics (lead instructor)
 - Toxicology (lead instructor)
 - Life Science Review (Course coordinator and Instructor)
 - Public Health (lead instructor)
 - Systems Pathology II (lead instructor)
 - Spinal Anatomy Lab Assistant (back-up instructor)
 - CNS Lab Assistant (back-up instructor)
 - Microbiology (maternity leave coverage)
 - Nutrition (FMLA coverage)

July 2016-current
Diplomate of the American Chiropractic Board of Radiology

- Leech Radiology Consultation services

November 2011-2016
Diagnostic Imaging Resident

Palmer College of Chiropractic
Davenport, IA

- Radiology review one-on-one instruction with student interns
- Clinical imaging consultation
- Helped develop 8th trimester clinical radiology rotation curriculum
- Guest lecturer for Radiology Case Correlations I and II, Clinical Methods, Intro to Clinic, and Geriatrics classes
- Developed radiology OSCE cases and examinations
- Radiology OSCE student remediation

November 2011-February 2011

Manager

Victor Allen's Coffee
Madison, WI

- Hire quality staff
- Train staff in adherence to food quality standards
- Assign work schedules and shifts
- Annually review staff
- Inventory stock on a quarterly basis

PROFESSIONAL DEVELOPMENT

Chiropractic Educators Research Forum (CERF) Conference
June 2021 – Virtual Conference

Chiropractic Educators Research Forum (CERF) Conference – Presenter
December 2020 – Virtual Conference

American Chiropractic College of Radiology Conferences (ACCR)
October 2020 – Virtual Conference

Selective Functional Movement Assessment - SFMA Level 1 Course
November 2019 – Davenport, IA

American Chiropractic College of Radiology Conferences (ACCR)
October 2019 – St. Louis, MO

ACC-RAC Conference – Workshop Presenter
March 2019

American Chiropractic College of Radiology Conferences (ACCR)
October 2016 – St. Louis, MO

Process of Integrating Evidence (PIE) for CIH Educators
July 13-15, 2016 - Minneapolis, MN

PRESENTATIONS (peer reviewed)

“LMS'ing Around: Adapting a group presentation online”

Chiropractic Educators Research Forum, December 2020 - Primary Author and Presenter

“Team Teaching: Transforming the Classroom Through Technology and Collaboration” Workshop

ACC-RAC March 2019 - Primary Author and Presenter

"Lipoma Arborescens of the Knee: A Case Study"

ACC-RAC March 2016 Poster Presentation – Primary Author

CONTINUING-EDUCATION PRESENTATIONS

IT'S ALL IN YOUR HEAD: DEBUNKING CHRONIC PAIN

Davenport Homecoming September 2022

OH THE BONES IN YOUR BODY: AN IMAGING ANATOMY AND ASSESSMENT REVIEW

Florida Homecomings February 2022

LOST IN INTERPRETATION

Davenport Homecomings September 2021

"WAD IN THE WORLD" WHIPLASH DISORDERS AND INJURIES

Davenport Homecoming August 2019

"CURVES AHEAD" THE BIOMECHANICS AND TREATMENT OF SCOLIOSIS

Davenport Homecoming August 2019

Florida Homecomings February 2020

WHAT'S YOUR MOI

Clinical Care of the Chiropractic Patient December 2019

BIOMECHANICS OF ADJUSTING AND PATIENT ASSESSMENT

Davenport August 2018

Florida Homecoming February 2019

California Homecoming May 2019

"PATIENT CARE 360 2.0"

Davenport August 2018

Florida Homecomings February 2019

"PATIENT CARE 360"

Palmer Davenport and Florida Homecomings

August 2017 and February 2018

PUBLICATIONS (non-peer reviewed)

Creating Interactive Opportunities in the Classroom

Faculty Connection 04/23/18

LEADERSHIP AND PROFESSIONAL CONTRIBUTIONS

Academy of Educators Coordinator –August 2022 – current

Health Sector Board Scott County and Rock Island Counties – August 2022 – current

Junior Achievement Health Expo – Interactive experience coordinator July 2022 - current

Class 241 Faculty Advisor - November 2020 – current

Campus Guides Faculty Advisor – 2017 - current

New Anatomy Lab Development and Conceptualization – Consulted with RDG and Administration to design the new anatomy labs being built.

Prospective Student Events – Interactive Classroom Instructor - Gross Anatomy Lab
Dates: August 2017, March 2018, November 2018, and March 2019

Prospective Student Event – Interactive Classroom Instructor - Technique
March 2018

Prospective Student Events – Faculty Forum Session
March 2018

Essential Oils Club Advisor (2016-2019)

Classroom Guest Speaker
“Radiology Concerns for the Geriatric Patient” – Healthy Aging Class
Dates: Every trimester guest speaker – March 2016 - current

Student Club Guest Speaker (1-2 guest speaking engagement per trimester)
“Sport Injuries and Radiology” Fall 2018
“Pediatrics and Essential Oils” Fall 2019

Student Mentoring
Radiology resident preparation – Nicole Zipay
-Dedicated 3 hours per week for a trimester to radiology reading and interpretation preparation (student was successfully accepted to a residency at Parker) Fall 2018

COMMITTEE WORK

Faculty Achievement Committee (July 2016-current)

Technology in the Classroom Committee (2017-current)

Scholarship Committee (July 2016-July 2017)

Thelma Mack-Fordyce Ad Hoc Committee Chair (July 2016-2020)

Microsoft Surface Pilot Program (2019-2020)

RDG Space Planning Committee – Anatomy Labs (January – September 2018)

PROFESSIONAL VOLUNTEER CONTRIBUTIONS

Health Care Sector Board Member

August 2022 – current

Junior Achievement Health Care Expo
Palmer co-coordinator (along with admissions)
July 2022 - current

Peer Reviewer – Journal of Chiropractic Education

Iowa Women Lead Change (IWLCQC) – Student Conference Coordinator and Presenter
March 29, 2018 – Davenport, Iowa
Co-leader and developer of the student leadership session
Co-chair of the student leadership programming

CHIROPRACTIC LICENSURE

Iowa #007473

2011-current

PROFESSIONAL AFFILIATIONS

American College of Chiropractic Radiology-member
American Chiropractic Board of Radiology-member

CURRICULUM VITAE

ROBERT M. ROWELL, D.C.

Professor

Diagnosis and Radiology Dept.
Palmer College of Chiropractic
1000 Brady Street
Davenport IA, 52803
(563) 884-5250
robert.rowell@palmer.edu

EDUCATION

- McMaster Evidence-Based Clinical Practice Workshop, How to Teach EBCP, tutor trainee. Jun 9-13, 2014. McMaster University, Hamilton, OT, CAN
- McMaster Evidence-Based Clinical Practice Workshop, How to Teach EBCP, participant. Jun 10-14, 2013. McMaster University, Hamilton, OT, CAN
- McMaster Evidence-Based Clinical Practice Workshop, How to Teach EBCP, participant. Jun 1-5, 2009. McMaster University, Hamilton, OT, CAN
- Palmer College of Chiropractic – Davenport, IA
Masters of Science, 2007
- Impairment Rating Certification; Dec/97
36 hour certification course in performing impairment ratings
- Palmer College of Chiropractic – Davenport, IA
Radiology Residency, 1996-1999
- Northwestern College of Chiropractic - Bloomington, MN
Doctor of Chiropractic, 1992
- Concordia College - Moorhead, MN
BA received 1988 - Major: Biology, Minor: Chemistry

PROFESSIONAL EXPERIENCE

- Teaching experience:
Passive and Active Rehabilitation
Physical diagnosis
Evidence Based Clinical Practice
- Palmer College of Chiropractic, Davenport, IA; Apr/07-present
Professor, Diagnosis and Radiology Department
Responsible for classroom instruction of undergraduate DC students.
- Palmer Center for Chiropractic Research, Davenport, IA; Jan/01-Apr/07
Director of the Research Clinic
Responsible for managing the research clinic day to day operations

- Palmer Center for Chiropractic Research, Davenport, IA; Jun/99-Apr/07
Research Clinician
Responsible for treating patients within the research studies
- Data Trace Publishing Group; *Journal of the Neuromusculoskeletal System*; Jun/99 – Feb/03
Section Editor
Responsible for editing the *Grand Rounds* section of *JNMS*
- Palmer College of Chiropractic, Davenport, IA; Nov/96-Jun/99
Senior Radiology Resident
Responsible for radiology consultation within the Palmer clinics, consultation with medical radiologists at Davenport Medical Center, consultation with practicing chiropractors, clinical research, and teaching in the area of radiology both within the clinics and within the academic program
- Rowell Family Chiropractic, Fargo, ND; Nov/93-Oct/96
Owner of a private chiropractic clinic with main offices in Fargo, ND and a satellite clinic in Hendrum, MN. Provided chiropractic care and physiotherapeutics while developing a multidisciplinary referral network within the community.
Sold practice in 1996 to enter radiology residency
- Koslowski Chiropractic, Minneapolis, MN; Aug/92-Nov/93
Initially employed as front desk staff while a student, and graduated to providing clinical chiropractic care.
- Chiropractic Health Care of St. Paul, St. Paul, MN; Apr/92-Aug/92
Clinical Chiropractic Preceptorship
- Northwestern College of Chiropractic, Bloomington, MN; Jan/92-Aug/92
Intern Supervisor, responsible for supervision of interns within the NWCC student clinic. Approved treatment plans and provided clinical guidance while reporting to the clinic staff physicians.
- Northwestern College of Chiropractic, Bloomington, MN; Dec/89-Aug/92
Research assistant to Dr. Joseph Sweere
- Northwestern College of Chiropractic; Sep/89-Aug/90
Teaching Assistant

PROFESSIONAL LICENSURE

Iowa Chiropractic License #A05979
Minnesota Chiropractic License #3074 (inactive)

HONORS

Association of Chiropractic Colleges Education Conference National Board of Chiropractic Examiners 1st Prize for submitted paper: *The effect of force feedback training on students learning flexion distraction technique*. ACC-RAC 2016.
Thelma Fordyce Mack Award, 2016: Effect of force feedback training on students during delivery of flexion distraction on human volunteers.
Thelma Fordyce Mack Award, 2014: Development of an introductory Program for Field practitioners on Evidence-Based Clinical Practice.
Association of Chiropractic Colleges Education Conference National Board of Chiropractic Examiners 1st Prize for submitted paper: *A pilot mixed methods study of patient satisfaction with chiropractic care for back pain*. ACC-RAC 2008.

Chief Resident of Palmer Clinical Residencies; Jun/98-Present

A leadership and administrative role for the Palmer Clinical Residencies

New Business Community Service Award; Apr/95

Hendrum, MN

Alpha Society Member; May/88

Magna Cum Laude graduate from Concordia College, Moorhead MN

SERVICE TO PALMER

Professor Promotion Committee: Jul 18 – present - Chair

Faculty Inservice Committee: Jul 17 - present

Faculty Enrichment Committee: Jul 12 – Jun 17

The Faculty Enrichment Committee makes decisions on funding of faculty to attend workshops and conferences to present scholarly works and to attend educational programs for faculty development.

NBCE EBCP and Part IV: Sep 15

Advised the NBCE on EBCP content for board examinations and wrote cases for the Part IV exam.

Graduate Program Oversight Committee: Sep 15 – Present

Meet a minimum of once per trimester to discuss the Master of Science in Clinical Research program. We make recommendations including suitability for candidates for graduation.

Thelma Fordyce Mack Award committee: Apr 12 - Jun 14

The Thelma Fordyce Mack Award committee is responsible for organizing, critiquing, and awarding the applications for the Thelma Fordyce Mack Award.

iPilot Committee: Apr 12 – Sep 12

This committee is investigating iPads with the intent of finding innovative ways to use them in the classroom.

EBCP Early Adopter's Group: Aug 08 – Present

The early adopter group is the group of faculty that have taken on the task of learning and infusing the concepts of Evidence Based Clinical Practice (EBCP) into the curriculum at Palmer. The group have conducted educational seminars for other faculty as well as adding EBCP to their classes.

Library Advisory Committee: Jul 08 – Jun 10

The Library Advisory Committee is charged with advising the libraries on acquisition of journals and other resources.

NCA Criterion One Committee: Jul 07 – Jun 08

The NCA Criterion One Committee prepared draft documents of Palmer's NCA accreditation documents specific to the first criterion of the NCA evaluation.

Faculty Enrichment Committee: Jul 07 – Jun 10

The Faculty Enrichment Committee makes decisions on funding of faculty to attend workshops and conferences to present scholarly works and to attend educational programs for faculty development.

Clinical Studies Team Chair: Dec/06 – Apr/07

The Clinical Studies Team is charged with coordination and communication within and between the various staff involved in clinical studies in the research clinic.

Clinic Compliance Committee; Mar/02 – Apr 07

The compliance committee is responsible for HIPAA and OIG compliance for the Palmer outpatient clinic system.

HIPAA Compliance Task Force; Mar/02 – Apr 07

Task force charged with making recommendations regarding the college's compliance with HIPAA requirements.

Enrollment Development Task Force; Jun/99 - Oct/99

Task force responsibilities included researching and recommending strategies for increasing enrollment and decreasing post matriculation attrition at Palmer College of Chiropractic. The task force was created by and reported to the college president.

Clinical Competency Examination Committee; Apr/98-Jun/99

Committee responsibilities included development and implementation of objective structured clinical examinations for the assessment of students before entrance into the level I Palmer Clinics and before entrance into level III clinical programs.

PUBLICATIONS

Rowell RM, Gudavalli MR, Silverman S. A pilot study of the effect of force feedback training on students learning flexion-distraction chiropractic technique. *J Chiropr Educ.* 2019 – in press.

Xia T, Long CR, Gudavalli MR, Wilder DG, Vining RD, **Rowell RM**, Reed WR, DeVocht JW, Goertz CM, Owens EF, Meeker WC (2015). Similar effects of thrust and non-thrust spinal manipulation found in adults with subacute and chronic low back pain – a controlled trial with adaptive allocation. *Spine* 2016;41(12):E702-9.

Gudavalli MR, **Rowell RM**. Three-dimensional chiropractor-patient contact loads during side posture lumbar spinal manipulation: A pilot study. *Chiropr Man Ther* 2014;22:29.

Gudavalli MR, Potluri T, Carandang T, Havey RM, Voronov LI, Cox, JM, **Rowell RM**, et al., Intradiscal pressure changes during manual cervical distraction: A cadaveric study,” *Evidence-Based Complementary and Alternative Medicine*, 2013, Article ID 954134

Rowell RM, Rylander SJ. Low-back pain, leg pain, and chronic idiopathic testicular pain treated with **chiropractic** care. *J Altern Complement Med.* 2012 Apr;18(4):420-2.

Gregory K, **Rowell RM**. Chiropractic care for postpartum pelvic girdle pain and low back pain: A case report. *J Clin Chiropr Pediatr.* 2011 Dec;12(2):910-914

Hondras MA, Long CR, Cao Y, **Rowell RM**, Meeker WC. A Randomized Controlled Trial Comparing 2 Types of Spinal Manipulation and Minimal Conservative Medical Care for Adults 55 Years and Older With Subacute or Chronic Low Back Pain. *Journal of Manipulative and Physiological Therapeutics*; 2009 Jun; 32(5):330-343.

Rowell RM, Polipnick J, A pilot mixed methods study of patient satisfaction with chiropractic care for back pain. *Journal of Manipulative and Physiological Therapeutics*; 2008 Oct;31(8):602-10.

Rowell RM, Lawrence DJ, Owens EF. The challenges of ethical recruitment of patients into simultaneous clinical studies in a chiropractic research clinic. *Journal of Manipulative and Physiological Therapeutics*; 2007; 30(4):295-300.

Rowell RM, Stites J, Stone K. An Unusual Cervical Spine Fracture: Chance Type Fracture of the Cervical Spine. *Journal of Manipulative and Physiological Therapeutics* 2006;29(7):586-589.

Rowell RM, Lawrence DJ, Hawk C. Relief of Depressive Symptoms in an Elderly Patient with Low Back Pain. *Clinical Chiropractic* 2006;9(1):34-38.

Smith M, Lawrence DJ, **Rowell RM**: Management of Chest Pain: Exploring the Views and Experiences of Chiropractors and Medical Practitioners in a Focus Group Interview. *Chiropractic & Osteopathy*. 2005;13:18-27.

Hawk C, Long CR, **Rowell RM**, Gudavalli MR, Jedlicka J. A randomized trial investigating a chiropractic manual placebo: a novel design using standardized forces in the delivery of active and control treatments. *The Journal of Alternative and Complementary Medicine* 2005;11:109-117.

Rowell RM. Book Review: *Skeletal Imaging: Atlas of the Spine and Extremities*. Journal of the Neuromuskuloskeletal System. Winter 2002;10:160.

Marchiori DM, **Rowell RM**. *A Survey of Magnetic Resonance Imaging Findings in a Chiropractic Patient Population..* Journal of the Neuromuskuloskeletal System. Fall 2002;10:83-88.

Rowell RM, Stone K. *Intussusception in Chiropractic practice: A Case Report*. Topics in Clinical Chiropractic. June 2001;8:55-59.

Rowell RM. *Cellulitis and Osteoarthritis Simulating Osteomyelitis: A Case Report*. Topics in Diagnostic Radiology and Advanced Imaging. First Quarter 1999;7:26-29.

McLean ID, **Rowell RM**. *Bone Island: A Clinical and Radiographic Review*. Topics in Diagnostic Radiology and Advanced Imaging. Third Quarter 1998;6:11-13.

NON-PEER REVIEWED PUBLICATIONS

Rowell RM. Low level laser therapy. D.C. Tracts. 2014;26(3)3-6.

Rowell RM. *Diagnostic Corner: Diagnosis and management of carpal tunnel syndrome*. D.C.Tracts. 2011;23(3):3-7.

Rowell RM. *Abstracts and Commentaries: Thoracic spine*. D.C.Tracts. 2009;21(4): 12-15.

Rowell RM. *Abstracts and Commentaries: The Shoulder*. D.C.Tracts. 2008;20(2): 12-16.

Killinger LZ, Carlson LC, **Rowell RM**. *Abstracts and Commentaries: Chiropractic and Radiology*. D.C.Tracts. 2008;20(4): 12-15.

CONTRIBUTED CITABLE PRESENTATIONS

2018 - **Rowell RM**, Novicky S. Concussion risk reduction among high school football players: an observational study. Presented at the Association of Chiropractic Colleges - Research Agenda Conference (ACC-RAC), 8-10 Mar, 2018, Dallas, TX (Poster).

2016 – **Rowell RM**, Gudavalli MR, Silverman S. The effect of force feedback training on students learning flexion distraction technique. Presented at the Association of Chiropractic Colleges – Research Agenda Conference (ACC-RAC), 17-19 Mar, 2016, Orlando, FL.

- 2016 – **Rowell RM**, Torres J. Chiropractic and respiratory therapy: an essential professional collaboration. Presented at the Association of Chiropractic Colleges – Research Agenda Conference (ACC-RAC), 17-19 Mar, 2016, Orlando, FL.
- 2015 – **Rowell RM**, Torres J, Goodell K. Chiropractic in the Age of Ebola: A systematic review of infectious disease prevention and recommendations for chiropractors. Presented at the Association of Chiropractic Colleges – Research Agenda Conference (ACC-RAC), 19-21 Mar, 2015, Las Vegas, NV (Poster).
- 2015 – Tunning M, **Rowell RM**, Brozovich T, VanNatta M. Student perceptions of test effectiveness following a simulated Objective Structured Clinical Exam (OSCE). Presented at the Association of Chiropractic Colleges – Research Agenda Conference (ACC-RAC), 19-21 Mar, 2015, Las Vegas, NV.
- 2014 - Stites J, Snow G, Bowyer H, **Rowell RM**, Clark T, Keene K, Mansholt B. Development of an introductory program for field practitioners on evidence-based clinical practice. Presented at the Association of Chiropractic Colleges - Research Agenda Conference (ACC-RAC), 20-23 Mar, 2014, Orlando, FL.
- 2014 - **Rowell RM**, Murphy K, Carlson L, Bell J. Does video use by students in an X-ray positioning class improve performance? A pilot study and survey of student attitudes. Presented at the Association of Chiropractic Colleges - Research Agenda Conference (ACC-RAC), 20-23 Mar, 2014, Orlando, FL (Poster).
- 2014 – Tunning M, VanNatta M, **Rowell RM**, Brozovich, T. A survey of student perceptions following 2 different formats for neuromusculoskeletal skills assessment. Presented at the Association of Chiropractic Colleges - Research Agenda Conference (ACC-RAC), 20-23 Mar, 2014, Orlando, FL (Poster).
- 2013 – Tunning M, Roecker C, **Rowell RM**, VanNatta M. Student iPad use in a neuromusculoskeletal diagnosis course: the influence of iPads on course grades and student opinions and attitudes toward iPads in the classroom. ACC-RAC 2014, Washington, DC, 3/14-3/16/2013.
- 2013 - Gudavalli MR, Potluri T, Carandang G, Havey R, Voronov L, Cox J, **Rowell RM**, Kruse R, Joachim G, Patwardhan AG, Henderson CNR, and Goertz C. Cervical Intradiscal pressure changes during manual distraction. Presented at the World Federation of Chiropractic (WFC) Congress, 11-13 April, 2013, Durban, South Africa (Poster).
- 2012 – Tunning M, **Rowell RM**, Stites J, Mansholt B, Boesch R, McLean I. Developing an Introductory Workshop in Evidence-Based Clinical Practice for Chiropractic Field Practitioners. ACC-RAC 2012, Las Vegas NV, 3/16-17/2012.
- 2012 - **Rowell RM**, Nightingale L. Introduction of a class on Evidence Based Clinical Practice in the first trimester of a chiropractic curriculum: Lessons learned from student evaluations. ACC-RAC 2012, Las Vegas NV, 3/16-17/2012.
- 2011 - Gregory K, **Rowell RM**. Chiropractic care for postpartum pelvic girdle pain and low back pain: a case report. ICA-ACA Joint Pediatrics Conference 2011, Oahu, Hawaii, Dec 9 – 11, 2011.
- 2011 - Meeker WC, Long CR, Hondras MA, Owens EF, Gudavalli MR, DeVocht JW, Wilder DG, **Rowell RM**, Goertz CM . Patient Characteristics Associated with Improvement of Subacute and Chronic Low Back Pain Treated with HVLA and LVVA Spinal Manipulation. World Federation of Chiropractic 11th Biennial Congress, April 4-9, 2011, Rio de Janeiro, Brazil.
- 2011 - **Rowell RM**, Tunning M. Evidence-based clinical practice in chiropractic: Description of a class assignment and survey of student knowledge and attitudes. ACC-RAC 2011, Las Vegas NV, 3/18-19/2011
- 2011- Tunning M, **Rowell RM**. Evidence-based clinical practice: experience of an early adopter adding an assignment in EBCP to a class. ACC-RAC 2011, Las Vegas NV, 3/18-19/2011

- 2009 – **Rowell RM**, Lawrence DJ. Chiropractic Student Attitudes Toward Physiotherapy. ACC-RAC 2009. Las Vegas, NV. March 13-15, 2009.
- 2008 – **Rowell RM**, Polipnick J, A pilot mixed methods study of patient satisfaction with chiropractic care for back pain. ACC-RAC 2008. Washington, DC. March 13-15, 2008.
- 2007 - **Rowell RM**, Lawrence DJ, Owens EF. The challenges of ethical recruitment of patients into simultaneous clinical studies in a chiropractic research clinic. ACC-RAC 2007. Phoenix, AR. March 15-17, 2007.
- 2005 – Smith M, Lawrence DJ, **Rowell RM**. Chest Pain: Report From a Multidisciplinary Focus Group. ACC-RAC 2005. Las Vegas, Nevada. March 17-19, 2005.
- 2005 - **Rowell RM**, Hawk C. Relief of Depressive Symptoms in a Patient with Low Back Pain and Chronic Pelvic Pain. ACC-RAC 2005. Las Vegas, Nevada. March 17-19, 2005.
- 2003 - **Rowell RM**, Hawk, C, Long CR, Gudavalli MR, Jedlicka J. Unique Design Features of an Experimental Study to Evaluate a Chiropractic Manual Placebo – Contributed Presentation - Association of Chiropractic Colleges and Research Agenda for Chiropractic conference. New Orleans, LA
- 2003 - Case Report Writing: An Interactive Workshop - Workshop co-presenter at Association of Chiropractic Colleges and Research Agenda for Chiropractic conference. New Orleans, LA
- 2002 - Case Report Writing: An Interactive Workshop - Workshop co-presenter at Association of Chiropractic Colleges and Research Agenda for Chiropractic conference. New Orleans, LA
- 2000 – **Rowell RM**, An Interactive, Problem Based Case Presentation Format for the Large Classroom – Contributed Presentation - Association of Chiropractic Colleges and Research Agenda for Chiropractic conference. New Orleans, LA.
- 1999 - Acute Abdominal Pain in a Pediatric Patient, Differentials and Case Presentation - Lecture to medical residents at Davenport Medical Center, Davenport, IA
- 1998 – Marchiori DM, **Rowell RM**. A Survey of Magnetic Resonance Imaging Findings on a Chiropractic Patient Population. Contributed presentation to the American Chiropractic College of Radiology Annual Diplomat Workshop, Columbus, OH
- 1998 - Visiting Faculty of ASPEUR-Feevale University, Novo Hamburgo, Brazil Lectures in x-ray physics, normal radiographic anatomy, roentgenometrics and x-ray positioning.

CONTINUING EDUCATION LECTURES

- 2016 - EBCP TRAINING WORKSHOP. Faculty Institute Day. Palmer College of Chiropractic West Campus. September 19. San Jose, CA.
- 2015 – E is for Evidence, EBCP Workshop Retreat. University of Iowa. November 18-20. Iowa City, IA.
- 2015 – Process of Integrating Evidence (PIE) for CAM Educators. Palmer College of Chiropractic. Jul 9-11. Davenport, IA.
- 2014 – The Evidence Zone, EBCP Workshop Retreat. University of Iowa. November 19-21. Iowa City, IA.
- 2013 – ICE: Improving Chiropractic Education Through Evidence Based Clinical Practice, EBCP Workshop Retreat. University of Iowa. November 13-15. Iowa City, IA.
- 2013 – Rowell RM. EBCP faculty in-service. Palmer College of Chiropractic Florida. September 30. Port Orange, FL.
- 2013 – Rowell RM. Introduction to turnitin.com. October faculty in-service. Palmer College of Chiropractic. Davenport, IA.
- 2013 – Rowell RM. EBCP moving beyond the basics. October faculty in-service. Palmer College of Chiropractic. Davenport, IA.

2016-Present
Journal of Allergy Disorders & Therapy
2015-Present
BMC – Musculoskeletal Disorders
2014 - Present
Journal of Manipulative & Physiological Therapeutics
2011 - Present
Journal of Complementary and Alternative Medicine
2011 - Present
Medical Devices: Evidence and Research
2012 - Present
Therapeutics and Clinical Risk Management
2012 - Present
Journal of Multidisciplinary Healthcare
2012 – Present