ABSTRACTS OF ACC CONFERENCE PROCEEDINGS

69 Peer Review Information and Acknowledgments for ACC-RAC 2011 Claire Johnson

PLATFORM PRESENTATIONS

- 72 A Practice-Based Prospective Study on the Incidence and Prevalence of Adverse Events Associated With Pediatric Chiropractic Spinal Manipulative Therapy Joel Alcantara, Jeanne Ohm, and Kurt Kunz
- 72 An International Cross-Sectional Study of Current Instructional Methodologies in Gross Anatomy Curricula in Chiropractic Colleges Jennette Ball, Kristin Petrocco-Napuli, and Michael Zumpano
- 73 Enhancing the Use of Evidence-Based Clinical Practice Methods Through Diffusion of Innovation Theory and a Train-the-Trainer Model in Chiropractic Education *Michelle Barber, Ron Boesch, Lia Nightingale, Michael Tunning, and John Stites*
- 73 Interexaminer Accuracy of Seated Motion Palpation for the Identification of the Lowest Lumbar Freely Movable Segment Derek Barton and Linda Mullin
- 73 Wiki, a Collaborative Faculty Development Tool Ron Boesch and Robert Illingworth
- 74 Description of Patient Characteristics and Treatment Methods Utilized of Patients Undergoing Care in an Integrated Chiropractic Clinic Within a Long-Term Care Hospital *Cara Borggren, Jurgis Karuza, Jennifer Hightower, and Paul Dougherty*
- 74 Assessing the Importance of Course Content and Competencies for a Course in Diagnostic Imaging Principles and Radiation Health: A Survey of Board-Certified Chiropractic Radiologists Jennifer Bulger, John Taylor, and Douglas Lawson
- 74 Mentored Research Opportunities for Students in a Doctor of Chiropractic Program Lori Byrd, Cynthia Long, Liang Zhang, Robert Cooperstein, Joel Pickar, and Charles Henderson
- 75 Shoe Orthotics for the Treatment of Chronic Low Back Pain: A Randomized Controlled Pilot Study Jerrilyn Cambron, Manuel Duarte, Jennifer Dexheimer, and Thomas Solecki
- 75 Patients' Perception of Care: Comparing Placebo and Manual Therapy Within a Pilot Study Jerrilyn Cambron, Cheryl Hawk, James Jedlicka, Grant Iannelli, Jennifer Dexheimer, and Gregory Cramer
- 75 Effect of Chiropractic Adjustment on Pulmonary Function in Healthy Adults Mabel Chang, Brett Sloan, Jerrilyn Cambron, and Muhammad Khan

- 75 Sonographic Evaluation of the Greater Occipital Nerve in Occipital Neuralgia John Cho, Daniel Haun, and Norman Kettner
- 76 Interprofessionalis and Turf Wars: How Prevalent Are Hidden Attitudes? *Chadwick Chung, Jasmin Manga, Marion McGregor, Christos Michailidis, Demetrios Stavros, and Linda J. Woodhouse*
- 76 Improving Targeting Accuracy in Mapping Upright Spinal Levels to the Prone Position *Robert Cooperstein*
- 76 At What Angle of Hip Flexion Is the Gillet Test the Most Effective for Detecting Sacroiliac Motion? *Robert Cooperstein, Morgan Young, and Michael Haneline*
- 77 Concurrent Validity of the Block Method for Measuring Anatomical Leg Length Inequality: A Literature Review Robert Cooperstein and Michael Lagueux
- 77 Localization of Cavitations Using Accelerometry Gregory Cramer, Kim Ross, Preetam Bora, P.K. Raju, Scott Selby, Jerrilyn Cambron, Adam Habeck, Jennifer Dexheimer, and Ray McKinnis
- 77 Relationships Among Cavitation, Z Joint Gapping, and Spinal Manipulative Therapy Gregory Cramer, Kim Ross, P.K. Raju, Jerrilyn Cambron, Joe Cantu, Preetam Bora, Scott Selby, Adam Habeck, Jennifer Dexheimer, Doug Gregerson, and Ray McKinnis
- 78 Measurement and Analysis of a Biomechanical Outcome of Chiropractic Adjustment Performance in Chiropractic Education Christina Cunliffe, Christopher Colloca, Mostafa Afifi, Marisa Pinnock, and Richard Hinrichs
- 78 Are Chiropractic Patients Less Likely to Get the Flu Vaccine? Matthew Davis, Monica Smith, and William Weeks
- 78 Use of Encounter-Based Curriculum to Foster Primary Care Competencies in Chiropractic Education Vincent DeBono
- 79 Characterizing the Toggle-Recoil Delivery of Practicing Clinicians James DeVocht and Ram Gudavalli
- 79 Chiropractic Management for Veterans With Low Back Pain: A Retrospective Study of Clinical Outcomes Andrew Dunn, Lance Formolo, and David Chicoine
- 79 Chiropractic Management for Veterans With Neck Pain: A Retrospective Study of Clinical Outcomes Andrew Dunn, Lance Formolo, and David Chicoine
- 80 Muscle Fatigue and Cryotherapy-Mediated Changes in Proprioception Dennis Enix
- 80 Notochordal Cells Protect Nucleus Pulposus Cells From Degradation and Apoptosis: Implications for the Pathophysiology and Treatment of Intervertebral Disc Degeneration *William Mark Erwin, Diana Islam, Robert Inman, and Michael Fehlings*
- 80 Association Between Sensory Impairment and Functional Limitations in Balance in Community-Dwelling Older Adults *Kimary Farrar and Debra Rose*
- 81 Chiropractic Care of the Older Patient: A Review of the Literature Between 2001 and 2010 Brian Gleberzon

- 81 Effect of a Lumbar Support Pillow on Muscle Activation and Comfort During a Repetitive Reaching Task *Diane Grondin, John J. Triano, Steven Tran, and David Soave*
- 81 Integrating Two Complementary and Alternative Medicine Programs in an Evidence-Informed Practice Course: Lessons From the Trenches *Linda Hanson, Brent Leininger, Louise Delagran, Corrie Vihstadt, and Roni Evans*
- 81 Where's the Evidence? Mapping Evidence-Informed Practice Learning Objectives Linda Hanson, Renee DeVries, Louise Delagran, and Roni Evans
- 82 Learning Spinal Manipulation: Comparison of Two Teaching Models Marie-Pierre Harvey, Claude Dugas, Shari Wynd, and Martin Descarreaux
- 82 Empowering Student Learning Through Rubric-Referenced Self-Assessment *Xiaohua He and Anne Canty*
- 82 Burnout, Depression, and Alcohol Use in Chiropractic Students Sean Herrin and Darcy Vavrek
- 83 Calling All Students: Cell Phones in Chiropractic Education Glori Hinck and Tom Bergmann
- 83 A Survey of Chiropractic Students' Opinions About the Importance of Research *Chabha Hocine and Rodger Tepe*
- 83 Effects of Manual Therapy on Balance and Falls: A Systematic Review *Kelly Holt, Heidi Haavik, and C. Raina Elley*
- 84 A Biomechanical Finite Element Study of the Disc Tissues With Incompleteness and Laxity in Annular Fibers *Mozammil Hussain*
- 84 Carpal Tunnel Syndrome: A Diffusion Tensor Imaging Study of the Brain Norman Kettner, James Sheehan, Vitaly Napadow, Yumi Maeda, Jieun Kim, Ang Li, and Joe Audette
- 84 Helping Uniprofessionally Trained Students to Think Integratively: An Interactive Educational Intervention Lisa Killinger
- 85 Using Evidence-Based Clinical Practice Principles to Utilize and Enhance Student Clinical Reasoning Skills in a Classroom-Based Case Management Course: A Pilot Project *Nancy Kime*
- 85 One-on-One Lifestyle Learning Methodologies: Using Interactive Tools in an Integrative Workshop Setting *Ron Kirk*
- 85 Facilitating Development and Refinement of an Activity-Based Walking Module Through a Delphi Process: An Exercise in Integrative Health Empowerment and Shared Vision *Ron Kirk*
- 86 A Survey of Student and Faculty Attitudes Toward Geriatric Wellness Care Anupama Kizhakkeveettil, David Sikorski, and Gene Tobias
- 86 A Mechanoacoustic Indentor System for In Vivo Measurement of Nonlinear Elastic Properties of Soft Tissues Terry Koo, Jeffrey Cohen, Lisa Papenbrock, and Yongping Zheng

- 86 Development of Classification and Description of Fascia Based on Literature Review: Rationale for Manual Therapists *Myroslava Kumka and Jason Bonar*
- 87 Human Subject Research: Reporting Informed Consent and Ethics Approval in Three Chiropractic Journals Dana Lawrence
- 87 Integration of Evidence-Based Practice Into the General Curriculum: Assessing Faculty Behavior *Ronald LeFebvre*
- 87 Degree of Vertical Integration Between the Undergraduate Program and Clinical Internship With Respect to Cranial and Cervical Diagnostic and Therapeutic Procedures Taught at a Chiropractic College *Charmody Leppington, Brian Gleberzon, Lisa Fortunato, Nicole Doucet, and Kyle Vandervalk*
- 88 Studying the Introduction, Integration, and Effectiveness of Chiropractic Services Within the VA Health Care System: A Novel Clinical/Research Collaboration Anthony Lisi and Brian Mittman
- 88 Use of Veterans Health Administration Chiropractic Services Among Operation Enduring Freedom and Operation Iraqi Freedom Veterans Anthony Lisi, Joseph Goulet, Cynthia Brandt, and Todd Kawecki
- 88 Spinal Manipulation for Treatment of Hypertension: A Qualitative Literature Review *Kevin Mangum, Darcy Vavrek, and Lester Partna*
- 89 A Comparison of Student and Alumni Perception of Value in Chiropractic Clinical Education John Markham and K. Caroline Anderson
- 89 Complementary and Alternative Medicine for Neuropathic Pain: A Literature Review *John Mayer and Scott Haldeman*
- 89 Clinical Simulation and the Evolution of Chiropractic Education Marion McGregor and Dominic Giuliano
- 90 Application of the Medical Imaging Resource Center Radiology Database in a Chiropractic Educational Environment Ian McLean
- 90 Using Clinical Case Studies to Teach Biochemistry in a Chiropractic Doctoral Program: The Art of Integrating Clinical Science With Basic Science Marc McRae
- 90 The Case for Collaborative Assessment of Students: A Meta-analysis *Christopher Meseke, Jamie Meseke, and Rita Nafziger*
- 91 Low Back Pain Response to Pelvic Tilt Position: Practice-Based Research, Phase 2 Salvatore Minicozzi, Brent Russell, and Kathryn Ray
- 91 Effects of Satisfaction of Search on Chiropractic Radiologist Performance Christopher Morasco and John Taylor
- 91 Usefulness of Clinical Measures of Psychological Factors in Patients With Spinal Pain Donald Murphy and Eric Hurwitz
- 91 For the Good of All: A Collaborative Effort to Develop and Deliver an Excellence in College Teaching Certificate Program for Chiropractic College Faculty *Rita Nafziger*

- 92 Use of Sports Enhancement Supplements by Adolescents in the United States: Analysis of National Health Interview Survey 2007 Child Alternative Medicine Core Sample Harrison Ndetan, Will Evans, Ronald Williams, Michael Perko, and Clark Walker
- 92 Integration of Evidence-Based Clinical Practice Into a Basic Science Course *Lia Nightingale*
- 92 Concept Mapping as a Study Tool for Chiropractic Students in a Basic Science Course *Lia Nightingale*
- 93 Are Chiropractors Adequately Prepared to Handle the Obesity Epidemic?: A Review *Catherine O'Neill*
- 93 Paraspinal Muscle Function Assessed With the Flexion–Relaxation Ratio at Baseline in a Population of Patients With Back-Related Leg Pain Edward Owens, M. Ram Gudavalli, Craig Schulz, David Wilder, Maria Hondras, and Gert Bronfort
- 93 Alberta Chiropractors' Opinions and Practices Regarding the Sale of Health Products Stacey Page, Jaroslaw Grod, and Gord McMorland
- 94 Perceived Educational and Chilly Climate Among Chiropractic Undergraduates *Per J. Palmgren*
- 94 Attitudes of Canadian Memorial Chiropractic College Clinicians Toward the Chiropractic Treatment of Nonmusculoskeletal Conditions Jodi Parkinson, Jennifer Lau, Sandeep Kalirah, and Brian Gleberzon
- 94 Integration and Utilization of a Chiropractor Within a Veterans' Health Administration Pain Management Telehealth Clinic David Paris and Andrew Dunn
- 95 Somatosensory Integration and Behavioral Measures Associated With Vibrotactile Letter Acquisition During Task-Irrelevant Median Nerve Paresthesia *Steven Passmore, Bernadette Murphy, and Timothy Lee*
- 95 Use of Soft Tissue Manual Techniques by Chiropractors in the United Kingdom *Abigail Penson, Gabrielle Swait, and Christina Cunliffe*
- 95 Effect of the Mechanical Characteristics (Magnitude and Duration) of a Spinal Manipulative Thrust on Lumbar Paraspinal Muscle Spindle Discharge Joel Pickar, William Reed, Dong-Yuan Cao, and Gregory Kawchuk
- 96 Evaluation of Three Different Methods of Distance Learning for Postgraduate Radiology Education: A Pilot Study Jean-Nicolas Poirier, Jeffrey Cooley, Michelle Wessely, Gary Guebert, and Kristina Petrocco-Napuli
- 96 Does Chiropractic Internship Prepare Students for Private Practice? A Comparison of Conditions Seen in One College to the National Board of Chiropractic Examiners Job Analysis of Chiropractic *Kevin Rose, Jesika Menasaka, and Anupama Kizhakkeveettil*
- 96 Evidence-Based Clinical Practice in Chiropractic: Description of a Class Assignment and Survey of Student Knowledge and Attitudes *Robert Rowell and Michael Tunning*
- 97 Prevalence of Swine Flu Among Chiropractic Pediatric Patients Drew Rubin and Kurt Kunz

- 97 Current Status of Pediatric Education in Accredited Chiropractic Colleges: A Website Survey Drew Rubin
- 97 Attitudes of Life Coaching in a Chiropractic University Setting Lisa Rubin
- 97 Utilization of Dry Lab in a Chiropractic Educational Setting *Lisa Rubin*
- 98 Do Chiropractic Philosophy and Chiropractic Technique Prevent Medicare Compliance? David Seaman and Jonathan Soltys
- 98 Development of the Murdoch Chiropractic Graduate Pledge J. Keith Simpson, Barrett Losco, and Kenneth J. Young
- 98 Usual Source of Care for Persons With and Without Back Pain (Medical Expenditures Panel Survey Data) Monica Smith
- 99 Immunization Status of Adult Chiropractic Patients: Analyses of National Health Interview Survey (NHIS) Monica Smith and Matthew Davis
- 99 Effect of Traditional Chinese Medicine Acupuncture on Vertical Jump Height Enhancement Brian Snyder and John Zhang
- 99 A Survey of Wellness Management Strategies Used by Canadian Chiropractors Brynne Stainsby, Peter Kim, Jason Porr, Ashley Collinge, and Julie Hunter
- 100 Preparing for Teaching Moments in Evidence-Based Clinical Practice John Stites and Ron Boesch
- 100 Developing a Clinical Practice Journal Club John Stites and Dana Lawrence
- 100 Teaching Evidence-Based Clinical Practice Concepts Using Radiology Case Types at a Chiropractic College John Stites and Ian McLean
- 101 Impact of Curricular Interventions on Evidence-Based Practice Skills, Attitudes, Clinical Behaviors, and Patient Care Outcomes in a Complementary and Alternative Medicine Journal Club Barbara Myszkiewicz Sullivan, Judith Pocius, Christopher Wolcott, Jerrilyn Cambron, and Gregory Cramer
- 101 Impact of Chiropractic Adjustments on Pulse Oximetry: A Pilot Study Stephanie Sullivan, Lawrence Hansen, Korey Revels, and James Duffy
- 101 Advancing Evidence-Based Practice Through an Integrated Approach to Information Literacy Instruction: Library/Faculty Collaboration at University of Western States Janet Tapper
- 102 A Single-Blind Randomized Controlled Trial of the Effects of Spinal Manipulative Therapy on Fitts' Law Performance Rodger Tepe, Dean Smith, Kevin Ward, John Ellis, and Jonathan Emlet
- 102 Interactive Neurostimulation in Pain Management for Chronic Mechanical Neck Pain John Triano, Linda Woodhouse, and Marion McGregor

- 102 Evidence-Based Clinical Practice: Experience of an Early Adopter Adding an Assignment in Evidence-Based Clinical Practice to a Class *Michael Tunning and Robert Rowell*
- 103 Abdominal Muscle Thickness and Low Back Pain During Pregnancy: A Preliminary Study Carol Ann Weis, Jennifer Nash, John Triano, and Jon Barrett
- 103 Medical Student Attitudes Toward Complementary and Alternative Medicine Following a Brief Clinical Rotation in a Student-Run Multidisciplinary Clinic in an Underserved Area Michael Wiles and Karen Lawson
- 103 Chiropractic Student Motivations and Course Choices *Philip Yalden and Christina Cunliffe*
- 104 Reliability of the Standing Hip Flexion Test: A Systematic Review Morgan Young and Robert Cooperstein
- 104 A Pilot Study of the Effects of Logan Basic Technique Adjusting on Heart Rate and Heart Rate Variability John Zhang and Patrick Montgomery
- 104 Effect of Problem-Based Video Instruction on Learning in Physical Examination: An Alternative Paradigm for Chiropractic Students *Niu Zhang and Sudeep Chawla*

POSTER PRESENTATIONS

- 105 The Chiropractic Care of Patients With Cancer: A Systematic Review of the Literature Joel Alcantara, Joey Alcantara, and Junjoe Alcantara
- 105 A Systematic Review of the Literature on the Chiropractic Care of Patients With Autism Spectrum Disorder Joel Alcantara, Joey Alcantara, and Junjoe Alcantara
- 106 Kinetic Chain Dysfunction in a 16-Year-Old Soccer Player With Ankle Pain Maria Anderson and Michelle Barber
- 106 Management Considerations in a Transtibial Amputee With Charcot-Marie-Tooth Disease Maria Anderson and Craig Butler
- 106 Detecting Cervical Spine Instability: A Comparison of Digital Motion X-Ray and Magnetic Resonance Imaging Vanessa Ashworth, John Taylor, and Mitch Haas
- 107 Inclusion of Community Service Opportunities Into a Doctor of Chiropractic Curriculum: A Preliminary Review Karen Bobak
- 107 Glioma With Subdural Hematoma Initial Management: A Case Report Ron Boesch, Misty Stick, Robert Illingworth, and Elizabeth Borcher
- 107 Cervical Spondylitic Myelopathy: A Case Report Ron Boesch, James Owens, Steven Silverman, and Mary Klimek
- 108 Research on the Effects of the Chiropractic Treatment on Individuals With Malocclusion as an Aid to the Orthodontic Treatment Franciele Borili and Fabio Dal Bello

- 108 Improving Student Performance in Radiology Courses Using Video Tutorials Jill Bradshaw and Kathyn Hoiriis
- 108 Synovial Osteochondromatosis: A Case Report of the Knee Joint Marni J. Capes and R. Bruce Fox
- 109 Use of Web-Based Education for Training Clinical Research Staff Mabel Chang and Jerrilyn Cambron
- 109 Chiropractic Management of Cycling-Induced Median and Ulnar Neuropathy Richard Cole and Ron Boesch
- 109 Blood Pressure Changes in African American Patients Receiving Care From Chiropractic Interns: A Pilot Study Rochelle Delain, Kimberly McMaster, Joe Wang, Jennifer York, and John Hart
- 109 A Rare Presentation to a Chiropractor of a Lisfranc Injury in an Athlete: A Case Report *Timothy Gooding and Joseph Forese*
- 110 Symptomatic Plantar Fibroma With Unique Sonographic Characteristics Daniel Haun, John C.S. Cho, and Norman Kettner
- Postmigraine Chronic Daily Headache Relieved With Coccygeal and Sphenoidal Manipulation:
 A Case Report Jerry Hochman
- 110 Chiropractic Care for an Infant With Torticollis and Plagiocephaly: A Case Report *Kathryn Hoiriis*
- 111 Reliability of the Blair Upper Cervical Radiographic Analysis for the Base Posterior View: A Feasibility Study Todd Hubbard, Joel Pickar, Dana Lawrence, and Stephen Duray
- 111 Essential Tremor, Migraine, and Upper Cervical Chiropractic: A Case Report Todd Hubbard and Janice Kane
- 111 The Accuracy of Kinesiology-Style Manual Muscle Testing: A Proposed Testing Protocol and Results From a Pilot Study Anne Jensen, Timothy Kenealy, Joanna Stewart, Richard Stevens, and Amanda Burls
- 112 Peroneus Digiti Quinti: Case Report and Literature Review Everett Johnson and Bahram Sardarabadi
- 112 A Case Study Utilizing Vojta/Dynamic Neuromuscular Stabilization Therapy to Control Symptoms of a Chronic Migraine Sufferer Dave Juehring
- 112 Creating a Structured Chiropractic Experience for Medical Students Visiting the Texas Chiropractic College *Rahim Karim, Victor Benavides, and Al Adams*
- 113 Utilization of Vascular Restriction Training in Postsurgical Anterior Cruciate Ligament Rehabilitation: A Case Report, Introduction to a Novel Training Stimulus, and Review of a Proposed Mechanism Peter Lejkowski and Jason Pajaczkowski

- Effects of Delisting of Chiropractic Services From Ontario Health Insurance Plan on Chiropractors' Income and Patient Volume and Perceived Impact on the Profession's Credibility: A Random Sample of Toronto Chiropractors
 - Matthew Longo, Jesse Chappas, Mike Grabowski, Crystal Jakym, and Brian Gleberzon
- 113 Chiropractic and the Community: Finding Grant Opportunities to Promote an Outreach Clinic *Cynthia Lund and Marquette Brown*
- 114 In Vitro Cytotoxicity Studies of Fluorescent Carbon Nanoparticles Pengju Luo, Li Cao, Ya-Ping Sun, and Jun Luo
- 114 Allowing a Possible Margin of Error When Assessing Student Skills in Spinous Process Location Cheneir Mboge and John Hart
- 114 Sacro Occipital Technique Treatment of Hiatal (Hiatus) Hernia Presentation: A Case Report Gary Mitchell and Charles Blum
- 115 Chronic Postpartum Osteitis Pubis Managed With Chiropractic Linda Mullin and Bobby Fano
- 115 Chiropractic Biophysics Technique Helps 8-Year-Old Male With Chronic Headaches, Sore Throat, Fatigue, Dizziness, Queasiness, and Cervical Subluxation: A Case Report Paul Oakley, Stephanie Chaney, and Tom Chaney
- 115 Do Occupational Safety Regulations Protect Hospitality Workers From Secondhand Smoke? A Review *Catherine O'Neill*
- 116 Alzheimer's Disease, Olfactory Dysfunction, and Chiropractic Care: A Case Report *Patricia Pilling*
- 116 Severe Chronic Asthma: Chiropractic Care in a Pediatric Case *Robert Rectenwald*
- 116 Chiropractic Care of Pediatric Nonmusculoskeletal Conditions: A Case Series Martin Rosen and Charles Blum
- 117 A Pilot Program of Chiropractic and Acupuncture Treatment for HMO Seniors With Low Back Pain Who Have Experienced Poor Response to Medical Care *Mike Sackett, Kevin Rose, and Stanley Ewald*
- 117 Report of Anatomical Variation of the Azygos Venous System in the Posterior Thoracic Wall: Implication to Chiropractic Imaging Bahram Sardarabadi and Everett Johnson
- 117 Temporal-Occipital Cranial Strain: A Case of Pediatric Stuttering Suzanne Seekins, Stephane Provencher, and Joseph F. Unger, Jr.
- 118 Chiropractic Technique: A Survey of Faculty Perception of Student Extracurricular Participation David Sikorski, Anupama Kizhakkeveettil, and Gene Tobias
- 118 A Study Into the Role of Psychosocial Factors on the Prevalence of Musculoskeletal Disorders in the Workplace Gill Smith and Christina Cunliffe
- 118 Faculty Attitudes Toward Health Care Professions Derived From Eastern and Western Medical Traditions Gene Tobias, Anupama Kizhakkeveettil, and David Sikorski

- 119 Comanagement of Dystocia Resulting in a Normal Delivery: A Case Report Mary Unger-Boyd, Joseph Unger, Jr., and Stephane Provencher
- 119 Retrospective Study to Determine Variability in Patient Repositioning Precision in Pre/Post Nasium Films as a Function of National Upper Cervical Chiropractic Association Practitioner Experience David Vazquez, Dale Johnson, and Alexandra Weibel
- 119 Chiropractic Care of a Geriatric Patient With Klippel-Feil: A Case Report William Vicory
- 120 Supine Leg Check Reliability Pilot Study H. Charles Woodfield III, B. Burt Gerstman, Renate Henry Olaisen, and Dale F. Johnson
- 120 Effects of Low-Force Chiropractic Adjustments on 24-Hour Heart Rate Variability and Low Back Pain John Zhang, Patrick Montgomery, and Rodger Tepe