

29TH ANNUAL EDUCATION AND RESEARCH AGENDA CONFERENCE LEADERSHIP IN EDUCATION (ACCRAC)

Mar 23-25, 2023 • Sheraton Hotel, 500 Canal Street, New Orleans, Louisiana

Overview of Schedule of Events (Schedule subject to change)

Registration & Continental Breakfast at Napoleon Reg 3rd Fl

Poster Hall and Receptions held in Napoleon CD 3rd FI

Friday Plenary & Lunch and Saturday Lunch held in Napoleon AB 3rd Fl

Thursday, Mar 23

7:30am-1:30pm ACC Board of Directors Meeting Gallier AB 4th FI 8:30am-5:00pm ACC Work Group Meetings (ACC members only)

1:30pm-4:00pm Poster Hall Set-up Napoleon CD 3rd FI

1:30pm-2:30pm Joint Working Group Meeting (ACC members only) Borgne 3rd Fl

CCE Proposed Standards Update with Dr. Craig Little, EdD, President CCE

2:00pm-7:00pm Registration Open Napoleon Reg 3rd FI

2:30pm-5:00pm Nutritional Research Review hosted by Maurepas 3rd FI

5:30pm-7:00pm Welcome Reception in Poster Hall Napoleon CD 3rd FI

Friday, Mar 24

7:00am-7:00pm Registration Open Napoleon Foyer 3rd Fl

7:00am-8:00am Continental Breakfast Napoleon Foyer 3rd Fl

8:00am-8:15am Welcome and Introduction to ACCRAC Napoleon AB 3rd FI

8:15am-9:00am Leaders' Panel Discussion

Looking Ahead: Trends, Transformation and Training in Chiropractic Education

with Dr. Ron Oberstein, President, Life West & ACC Chair, Dr. David Wickes, President, CMCC, & ACC Vice Chair, Dr. Mike Mestan, President Northeast College & ACC Secty/Treasurer, Dr. Bill Morgan, President, Parker University, & Dr. Deb Bushway, President NHSU & ACC Board Members, *moderated by Dr. Bart Green, JCE Editor*

ACC leaders representing a broad range of programs will provide well-informed insights on critical trends facing chiropractic education. Attendees will hear thought leaders discuss curriculum transformation, community- vs. campus-based education, interprofessional education, and return on investment for chiropractic graduates. This is a session applicable to anyone in chiropractic education and not to be missed!

9:00am-10:00am

Keynote Presentation sponsored by

ENCMIC

Rethinking What You Know: Embracing Curiosity and Empowering Change

with Chick Herbert, Strategic Leader, Executive Coach, Independent Consultant, and co-author of It Begs the Question-Learn how the best managers drive performance through Question-Centric Coaching

Attendees will learn about the importance of rethinking what they know and why it's crucial for personal growth and long-term organizational success. You will discover how embracing curiosity and questioning your assumptions can lead to new perspectives and breakthroughs in your thinking. You will hear inspiring stories of individuals who challenged their beliefs and embraced change, leading to remarkable results. Chick will provide practical strategies for incorporating a growth mindset and embracing lifelong learning, while also addressing the common challenges and fears that come with change.

10:00am-10:30am

Morning Break

10:30am-12:00pm

Scientific Presentations (see pgs. 5-13) CEU approval pending

- Chiropractic Research: Increasing our understanding of Basic Principles through Chiropractic and Spinal Research moderated by Ilija Arar Nottoway 4th FI
- Health Research: Expanding the View of Health: Applications of Chiropractic to Improve Patient and Population Health moderated by Jonathan Egan & Martha Kaeser Oak Alley 4th Fl

12:00pm-1:30pm

Lunch sponsored by R NCMIC

1:30pm-3:00pm

Keynote Presentation and Breakout Napoleon AB 3rd FI

Cultivating a Culture of Inclusion and Belonging CEU approval pending

with <u>CJ Gross, TEDx Speaker and Founder of Ascension Worldwide</u>, a firm dedicated to Diversity, Equity and Inclusivity training and consulting based in Washington DC.

Attendees will learn inclusive leadership skills that impact relationships, mitigate groupthink, and foster inclusion and belonging in the workplace and the classroom. This session uses proven practices such as Bridging and Bonding to create an atmosphere that welcomes all viewpoints. You'll come away with tools and techniques to use with their colleagues, peers, staff, and students.

3:00pm-4:00pm

Poster Presentations and Afternoon Break Napoleon CD 3rd FI

4:00pm-5:30pm

Scientific Presentations (see pgs. 5-13) CEU approval pending

- Chiropractic Research (cont'd) Nottoway 4th Fl
- Health Research (cont'd) Oak Alley 4th FI

5:30pm-7:00pm

Poster Presentation & Research Reception Napoleon CD 3rd Fl

Saturday Mar 25

7:30am-2:00pm Registration/Information Desk Napoleon Foyer 3rd FI

7:30am-8:30am Continental Breakfast Napoleon Foyer 3rd Fl

8:30am-10:00am Scientific Presentations (see pgs. 5-13) CEU approval pending

- Best Practices in Education: Preparing the Future Chiropractic Workforce moderated by John Mrozek and Stuart Kinsinger Nottoway 4th Fl
- Integration, Whole Health, and Improving Patient Care: Chiropractic Applications moderated by Celia Maguire and Stephanie Sullivan Oak Alley 4th Fl
- Improving Patient Care: Insights from Clinical Case Reports moderated by Kelly Brinkman and Clinton Daniels Borgne 3rd Fl

10:00am-10:30am Morning Break

10:30am-12:00pm Scientific Presentations (see pgs. 5-13) CEU approval pending

- Best Practices in Education (cont'd) Nottoway 4th FI
- Integration, Whole Health, and Improving Patient Care (cont'd) Oak Alley 4th FI
- Improving Patient Care: Insights from Clinical Case Reports (cont'd) Borgne 3rd Fl

12:00pm-1:30pm Lunch sponsored by FOOTLES



NBCE Research Awards

1:30pm-3:00pm Concurrent Workshops (CEU approval pending)

Building Chiropractic Education Research Capacity: 2023 Research Agenda Update

with Bart Green, John Mrozek, and Stacie Salsbury Nottoway 4th Fl

Attendees will get an update on chiropractic education publications, information on how faculty can expand their scholarship and research capacity and learn how to prepare and submit an education descriptive report for publication.

Business Education for Chiropractors: Part 1: Building a Foundation

with Brian Gleberzon, Ayla Azad, and Michael Ciolfi Oak Alley 4th Fl

Attendees will identify what is currently taught at chiropractic programs with respect to business education; (ii) identify specific gaps in business education offered to chiropractic students and (ii) develop content to address these gaps, starting with foundational principles and concepts.

Optimizing Safety During Hands-on Laboratory Experience

with David Starmer, Christine Bradaric-Baus, and Scott Dunham Borgne 3rd Fl

Attendees will explore common challenges experienced by faculty and students in the training of doctors of chiropractic during hands on applied clinical laboratory settings. We will uncover strategies to manage power differentials, conflict, and divergent cultural perspectives and provide an inclusive and safe teaching and learning environment.

1:30pm-3:00pm Poster Hall Breakdown

3:00pm ACCRAC ends

Special Thanks to Our Sponsors!

Platinum





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Core



SCIENTIFIC PLATFORM PRESENTATIONS

(CEUs approval pending – <u>click here</u> to check your state)

Friday March 24, 2023		
10:30am-12:00pm Increasing Our Understanding of Basic Principles through Chiropractic and Spinal Research	10:30am-12:00pm Expanding the View of Health: Applications of Chiropractic to Improve Patient and Population Health	
Moderators: Ilija Arar	Moderators: Jonathan Egan, Martha Kaeser	
Posterior cervical spine muscle vibration in young adults with mild traumatic brain injury: Is there a non-brain-based contributor to visual symptoms? Alice Cade, Phil Turnbull The association of biomarkers with pain and function in acute and subacute low back pain: a secondary analysis of a randomized controlled trial Michael Schneider, Valerio Tonelli Enrico Tonelli Enrico, Gwen Sowa, Mitchell Haas, Christine McFarland, Wan Huang, Nick Weber, Nam Vo Functional MRI brain mapping of manual therapy in chronic low back pain: A narrative review Janelle Hynes, Norman Kettner Quantifying biomechanical and neurophysiological markers of joint dysfunction during spinal manipulation in an ovine cervical spine model Christopher Colloca, Robert Gunzburg, Deed Harrison, Jeb McAviney, Mostafa Hegazy, Brian Freeman Report of electroencephalography data from a sample of student rugby players in a chiropractic program Dale Johnson, Krista Ward, Monica Smith	Effects of an acute mindfulness-based intervention on exercise tolerance, maximal strength, and pain-related experiences in individuals with primary chronic low back pain: A pilot study Louise Amiot, Catherine Daneau, Bastien Coupel, Martin Descarreaux, Marjorie Bernier, Jean Fournier, Alexis Ruffault, Anne Courbalay Integrating chiropractic care and Tai Chi training for the treatment of chronic nonspecific neck pain in nurses Wren Burton, Matthew Kowalski, Dan Litrownik, Peter Wayne Changes in functional movement screen scores associated with multimodal chiropractic care: A pilot study Harrison Vawter, Mark Pfefer, Rachel Gilmore, Tyrone Tate Psychosocial risk factors for neck pain in workers: A systematic critical review with meta-analysis Barbier-Cazorla Florian, Esquirol Yolande, Lardon Arnaud A cross-sectional study of Australian chiropractors' and students' readiness to identify and support patients experiencing intimate partner violence Keri Moore, Lyndon Amorin Woods, Deisy Amorin Woods, Dein Vindigni, Navine Haworth	

Friday March 24, 2023

4:00pm-5:30pm Increasing Our Understanding of Basic Principles through Chiropractic and Spinal Research (continued)

Functional impact of a whole food-based matrix in supporting phase II detoxification pathway: Spotlight on antioxidants support systems

Chinmayee Panda, Sara LeBrun-Blashka

Disc progenitor cell therapy improves pain, disability, and quality of life for patients with lumbar disc degeneration: Results of an FDA-approved clinical trial

Erika Evans Roland, Norman Kettner, Matthew Gornet, Douglas Beall, Timothy Davis, Domagoj Coric, Michael LaBagnara, Angela Krull, Michael DePalma, Patrick Hsieh, Srinivas Mallempati, Kevin Foley

Kinematically-determined rotational duration in supine cervical manipulative thrusts

Brent Russell, Mackenzie Keller

Arm swing symmetry in walking with induced lower limb asymmetry

Claude Maysonet, Brent Russell, Kate Hayes

Analysis of coordination between contralateral arm and thigh movements during walking

Ronald Hosek, Brent Russell, Claude Maysonet Evaluating a manual muscle test as a measure of neuromuscular coordination of the lower limb: A pilot study

Stephanie Sullivan, **Edward Owens**, Ronald Hosek, Emily Drake, John Downes

4:00pm-5:30pm Expanding the View of Health: Applications of Chiropractic to Improve Patient and Population Health (continued)

Educational leadership in developing an age-friendly health system in a chiropractic academic health center: Project, process, and pre/post assessment of clinical faculty Lisa Killinger, Judy Bhatti, Elissa Twist

Educational leadership in developing an age-friendly health system in a chiropractic academic health center: Project, process, and pre/post assessment of geriatrics students Lisa Killinger, Judy Bhatti, Elissa Twist

Clinical Headache status of teleworkers with primary headache and coping strategies during the COVID-19 pandemic

Marieve Houle, Julien Ducas, Arnaud Lardon, Martin Descarreaux, Andree-Anne Marchand, Jacques Abboud

Clinical pathway accessibility and utilization trends of complementary and integrated health services among older adults across 5 VA Healthcare systems

Robert Butler, Alec Schielke, Robert Walsh

Physical activity guidelines in American youth: A crosssectional study of the 2020 National Health Interview Survey to identify predictors

Claire Johnson, Bart Green, Igor Himelfarb, Edward Kane
Predictors of utilization frequency and expenditure level of
chiropractic care in US adults: data from the Medical
Expenditure Panel Survey

Trent Peng, Baojiang Chen, Henry Shelton Brown, David Douphrate, Jud Janak, Kelley Pettee Gabriel

Saturday March 25, 2023	
8:30am-10:00am Best Practices in Education: Preparing the Future Chiropractic Workforce	8:30am-10:00am Integration, Whole Health, and Improving Patient Care: Chiropractic Applications
Moderators: John Mrozek, Stuart Kinsinger	Moderators: Celia Maguire, Stephanie Sullivan
The COVID-19 pandemic faculty stress: Are we all burnt out?	Assessing referral patterns to on-station chiropractic clinics within the Veterans Health Administration
Christine Major, Kara Burnham, Suzanne Lady	Sarah Graham, Anna Sites, Xiwen Zhao, Anthony Lisi
COVID-19 related curricular changes and their impact on	Correlation between self-report measures of function and lower
National Board of Chiropractic Examiners part I scores: A cohort study comparing classroom vs remote basic	limb motor performance in patients with and without imaging evidence of unilateral lumbar nerve root compression
science instruction	Shelley Sargent, Geoff Gelley, Steven Passmore
Brian Anderson, Dustin Derby, Robert Percuoco Classroom recordings: Utilization and influence on course performance	Assessing downstream healthcare utilization for low back pain among chiropractic users versus non-users in the Veterans Health Administration
Amberly Ferguson, Lia Nightingale Survey of depression and anxiety attributes of	Kelsey Corcoran , Brian Coleman, Xiwen Zhao, Lori Bastian, Cynthia Brandt, Anthony Lisi
chiropractic college students John Ward, Jesse Coats	Describing congruence between ICD-10 coding and medical record text in Veterans Health Administration chiropractic notes
Exam item degree of difficulty in a physiopathology course is correlated with National Board of Chiropractic	Nikhil Sharma, Sarah Graham, Anna Sites, Brian Coleman, Anthony Lisi
Examiners performance in pathology Ilija Arar, Jeanmarie Burke, Patricia Merkle, Deborah Hall Comparison of mistakes on multiple-choice question and	Short-term risk of low back pain flares within 24 hours following spinal manipulation: A subgroup analysis of a case-crossover within a cohort study
fill-in-the-blank: A retrospective analysis Xiaohua He	Carina Staab, Clinton Daniels, Andrew Timmons, Adrienne Tanus, Anna Korpak, Sean Rundell, Pradeep Suri
Contrast bias impact on report of finding assessment grades during the transition between sequential clinic	Assessing quality indicators and guideline-concordance in chiropractic low back pain visits in the Veterans Health
Courses	Administration Prop Muller Sereb Crehem Appa Sites Valous Corporer Anthony
Michael Sheppard, John Ward	Ryan Muller, Sarah Graham, Anna Sites, Kelsey Corcoran, Anthony Lisi
10:30am-12:00pm Best Practices in Education: Preparing the Future Chiropractic Workforce (continued)	10:30am-12:00pm Integration, Whole Health, and Improving Patient Care: Chiropractic Applications (continued)
How does test format affect the students' performance	The effect of evidence-based triage versus usual medical
and their long-term retention of knowledge	management on low back pain patient outcomes and trajectories
Niu Zhang, James La Rose, Megan Franklin	in a tertiary care setting
Observation of contrast bias through analysis of the	Janny Mathieu, Julie O'Shaughnessy, Claude-Edouard Chatillon,
relationship between clinic adjusting exit exam score and	Cesar Hinciapie, Petra Schweinhardt, Marie Beausejour, Charles
overall student graduating GPA	Tettreau, Martin Descarreaux, Andre-Anne Marchand
Michael Sheppard, John Ward	A systematic review of chiropractic high-velocity, low-amplitude
Discomfort during chiropractic manipulation: A survey of	sham protocols used in research
chiropractic students' perceptions of comfort during various manipulative procedures	Margaret Sliwka, Stephanie Sullivan Attitudes toward patient-centeredness among Canadian
Simon Wang, Emily Montag, Sheilah Hogg-Johnson	chiropractors
Simon Wang, Emily Workay, Shellan Hogg-Johnson	Gilli Opi actors

Saturday March 25, 2023

Bridging the gap between biomedical and biopsychosocial models in chiropractic teaching clinics: A series of targeted educational interventions

Kristin Miller, Patrick Boylan, Norman Kettner, Katherine Pohlman

Clinical research screening of chiropractic patients at a teaching clinic

Zakary Monier, Katie Pohlman

Baseline evaluation of diversity, equity, and inclusion notion in the students at a Doctor of Chiropractic program: A cross sectional survey

Anjum Odhwani, Pradip Sarkar

Assessment of back pain behaviors, attitudes, and beliefs of chiropractors after a biopsychosocial educational workshop

Alec Schielke, Clinton Daniels, Katherine Pohlman, Jordan Gliedt

Kent Stuber, Silvano Mior, Gina Dolan, Mark Langweiler, Peter McCarth

Systematic review of virtual spinal examination component reliability and validity

Frank Bucki, Victoria Bensel, Brittney Walters, Clarice Wallert A cluster analysis of practitioner responses to a survey on the chiropractic care of children

Joel Alcantara, Andrew Whetten, Joey Alcantara
Initiating the Keele STarT back screening tool in a chiropractic
academic clinic

Austin Parker, Bryce Derry, Gary Tam, Katherine Pohlman, Christopher A Malaya

Saturday March 25, 2023

8:30am-10:00am Improving Patient Care: Insights from Clinical Case Reports
Moderators: Kelly Brinkman, Clinton Daniels

A case of primary Ewing sarcoma of the clavicle

Whitney Fuqua, Whitney Graff, Lauren Tollefson

Spindle cell sarcoma of bone: A rare bone sarcoma presenting in a rare age group

Aidan O'Brien, Jessica Billham, Ashley Vogt, Norman Kettner

Rare mosaic trisomy 17 in a preadolescent female: Clinical presentation and management of symptoms

Allison Harvey, Erika Evans Roland, Jessica Billham

Ultrasound of intermittent medial meniscal dislocation: A case study

Joshua Wells, Chin-Suk (John) Cho

Neurogenic heterotopic ossification following spinal cord injury: A case report

Macy Randolph, Dingbo Shi, Patricia Estrada, Norman Kettner

Imaging findings in a case of spontaneous resolution of syringomyelia

Gannon Brochin, Angelica Miller, Lauren Tollefson

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Evaluation and management of congenital spinal stenosis and complex spinal injuries in a circus artist: A case study Guinevere Bennett, *Tim Gooding*

Magnetic resonance spectroscopy displays the structural and biochemical effects of spinal manipulative therapy in lumbar discogenic pain: A case report

Jessica Billham, Erika Evans, Francine Schranck, Kelly Brinkman, Matthew Gornett, Jim Cox, Norman Kettner Practical application of the biopsychosocial model of care

Timothy Whiting

A multifactorial approach to management of myofascial restriction: A case report

Saturday March 25, 2023

Mandy Wong, Isaac O'Gara, Heather Meeks, Nathan Hinkeldey

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Degenerative cervical myelopathy discovered in patient referred to va chiropractic clinic for lower back pain: A case report

Tyler Barton, Derek Golley, Jonathan Danner, Andrew Dunn

Chiropractic management of a US Veteran with spine pain and concurrent brachial monomelic amyotrophy (Hirayama disease): A case report

Kevin Meyer, Morgan Price, Sarah Page, Clinton Daniels

Diagnosis and management of Saturday night palsy in a chiropractic teaching clinic: A case report

Patrick Boylan, Jessica Billham

Chiropractic management of a 29-year-old male with foot drop: A case study

Jesse Hodges, Misty Lagasse

Treatment of a patient with cervicogenic related vertigo: A case report

Thomas Bloink, Charles Blum

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10:30am-12:00pm Improving Patient Care: Insights from Clinical Case Reports (continued)

Diagnosis and referral of emergent arterial occlusion in a 64-year-old lifelong smoking male Veteran: Considerations for increased awareness in public health screenings

Annie Babikian, David Paris

Diagnosis of acute middle cerebral infarct with atypical presentation in a patient with cervical vascular compromise *Kyle Klinginsmith*, *Alec Schielke*, *Robert Walsh*, *Robert Butler*

Chiropractic impact on neural patterns, dysmetria, and quality of life in post-rehabilitation stroke patients: 2 case reports *NiAmber Harris*, *Emily Drake*, *Margaret Sliwka*, *Stephanie Sullivan*

A case report of a patient with bilateral shoulder pain secondary to statin-induced myopathy

Patrick Battaglia, Macy Randolph

When hip pain is septic: A case report

Casey Mullen, Kelsey Lewis

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Gamifying rehabilitation: A case report in a young male following reconstruction surgery for atraumatic sternoclavicular joint dislocation

Samuel Schut, Kara Shannon

Extension endrange loading for lumbar spinal stenosis: A case report

Kevin Percuoco, Michalla Dunaj-Compo, Harold Olson

The beneficial effects of laser IV therapy (photobiomodulation) on grade I-III pressure wounds in a chronic quadriplegic patient

Patricia Estrada, Norman Kettner, Dan Underkofler-Mercer

Rapid resolution of chronic lumbar stenosis symptoms using an exercise-based approach: A case study

Eleni Metrou, Nathan Hinkeldey, Heather Meeks, Mandy Wong

Conservative treatment for Achilles enthesopathy/plantar fasciitis

Baldomero Nunez

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Multidisciplinary management of osteochondritis dissecans of bilateral knees in an 11-year-old competitive gymnast

Philip Afghani, Melissa Ferranti, Trevor Shaw

Saturday March 25, 2023

Fully integrated chiropractic and occupational therapy co-management of a patient with chronic pain and carpal tunnel syndrome

Bernadette Sheffield, Patrick Battaglia

Coordination of care between a primary care physician and a chiropractic resident for the management of meralgia paresthetica: A case report

Braden Sims, Christopher Arick, Eric Kirk

Chiropractic management of a Veteran with post-coflex interlaminar stabilization spine pain: A case report

Jane Joyce, Gina Bonavito-Larragoite

The role of the chiropractor in triage and self-efficacy: A case report

lan Le, Nathan Hinkeldey, Heather Meeks, Gina Percuoco

POSTER PRESENTATIONS

Friday March 24, 2023 3:00pm-4:00pm and Friday March 24, 2023 5:30pm-7:00pm

Moderators: Bic Bakkum, Cindy Chapman

Best Practices in Education: Preparing the Future Chiropractic Workforce

Best practice approach to improve LGBTQ/gender and sexual identity-related competencies within the Doctor of Chiropractic program: A narrative review

Steve Agocs, Jon Wilson, Mark Pfefer

Force-time profiles associated with drop-assisted spinal manipulation

Steve Agocs, Jon Wilson, Tiara Schmidt, Mark Pfefer,

Illness scripts: A tool for teaching clinical reasoning in a chiropractic curriculum

Kelly Brinkman

Creation and administration of a chiropractic program student safety preparticipation procedure

Michelle Chambers-Lewis, Beth Carleo, Jason Qualls

Unintended outcomes of conducting research in an academic radiology practice

Emma Forlow, Ian McLean, Kira Baca, Robert Vining,

The future of teaching chiropractic technique: Lessons learned from 27 years in the trenches

Brian Gleberzon

Chiropractic graduates' perceptions of university health clinic versus community clinic educational experience *Navine Haworth*, *Louise Horstmanshof*, *Keri Moore*

Trends in publications in the Journal of Chiropractic Education: World regions, academic affiliations, and study types *Claire Johnson, Bart Green*

Global growth of chiropractic degree granting programs: a mapping study of the past 125 years to predict the number of programs in 2055

Claire Johnson, Bart Green

The use of a Venn diagram in defining professionalism

Stuart Kinsinger

Evolution of our clinical internship experience management system

Christopher Petrie, Christopher Smoley, Katie BurnsRyan

Research aspirations, interests, and skills exploratory ad-hoc committee (RAISE): Reflections on a developmental process *Stacie Salsbury*, *Lia Nightingale*, *Kira Baca*, *Brian Anderson*,

Faculty research and scholarship at chiropractic colleges: Content analysis of ACC-RAC abstracts

Friday March 24, 2023 3:00pm-4:00pm and Friday March 24, 2023 5:30pm-7:00pm

Moderators: Bic Bakkum, Cindy Chapman

Patrik Schneider, Meredith Meyers, Michael VanNatta, Lia Nightingale, Kira Baca, Breanne Wells, Alex Margrave, Stacie Salsbury

Regulatory challenges of establishing a profession-led chiropractic college in a university dominant environment *Patrick Sim, Kym Davis, Billy Chow*

Professional challenges of establishing a profession-led chiropractic college in a university dominant environment

Patrick Sim, Kym Davis, Billy Chow

Promoting professionalism in lab exams: Lessons learned from a preclinical OSCE held during COVID Jodell Skaufel

Creating a responsive clinical internship remediation process

Christopher Smoley, Christopher Petrie, Katie BurnsRyan

The benefits of using digital assessment and data collection in a practical skills lab environment

Christie Weibel-Maanum

Survey of attitudes towards interprofessional education and practice

Anna-Marie Ziegler, Jason Napuli, Matthew Knieper, Ross Mattox,

Increasing Our Understanding of Basic Principles through Chiropractic and Spinal Research

The chiropractic care of women in the perinatal period: A cluster analysis to detect similarities and differences among chiropractor responders

Joel Alcantara, Andrew Whetten

Adverse childhood experiences and trauma informed care: A review for chiropractors

Kira Baca, Stacie Salsbury, Robert Vining

Association between ideology, beliefs, and practice patterns of United States chiropractors: a secondary analysis of a national survey

Zachary Cupler, Jordan Gliedt, Stephen Perle, Aaron Puhl, Michael Schneider

Seasonal infectious disease patient reported outcome

Heather Garrison, Stephanie Sullivan, Shawn Neff

Prototyping a long-COVID study within a practice-based setting, testing procedural steps, outcome measures, and patient response to care

Lydia Knutson, Stephanie Sullivan, Fred Langenegger, Jennifer Massa, Emily Drake, Kate Hayes, Martha Herbert,

Providers' experience with artificial intelligence-based hand hygiene monitoring system during the COVID-19 pandemic: A rural medical center study

Joe Lintz

Identification of barriers and facilitators to establish an interdisciplinary, inclusive, student-focused infant feeding clinic in a US chiropractic teaching clinic

Katherine Pohlman, Amy Miller

Systematic review of guideline-recommended medications prescribed for treatment of lumbosacral radiculopathy *Morgan Price*, *Kaelyn Mead*, *Alyssa Troutner*, *Tyler Barton*, *Sheryl Walters*, *Clinton Daniels*

Evidence-supported proposal for improved documentation of SDoH-related "Z codes" within the chiropractic patient record *Krista Ward*, *Donna Odierna*, *Monica Smith*

Expanding the View of Health: Applications of Chiropractic to Improve Patient and Population Health
An investigation of patient weekly visits among chiropractors attending to pregnant patients in a practice-based research network

Friday March 24, 2023 3:00pm-4:00pm and Friday March 24, 2023 5:30pm-7:00pm

Moderators: Bic Bakkum, Cindy Chapman

Joel Alcantara, Andrew Whetten

Chiropractic care combined with a novel hemp oil nutritional supplement improve quality-of-life and the body's natural inflammation response

Carolina Carlisle, Kristine Polley, Kara Credle, Brandon Metzger, Sara LeBrun-Blashka, Keri Barron

Motor variability in athletes: The effect of skill level

Emile Marineau, Janny Mathieu, Julien Ducas, Martin Descarreaux, Jacques Abboud

Effectiveness and mechanisms of over-the-counter topical pain relievers: An umbrella review

Stuart McInstosh, Mark Pfefer, Tyrone Tate

The literature on treatment approaches utilized in the management of low back pain in the continent of Africa: A scoping review

Hiwot Melka, Raheleh Khorsan, James Whedon, Scott Haldeman, Robb Russell

Current approaches to understanding discogenic pain: A narrative review encompassing pathoanatomy and innovative imaging techniques

Aidan O'Brien, Stacey Cornelson, Norman Kettner

Diagnosis and management of lumbar compartment syndrome: A review

Katherine Reckelhoff, Mark Pfefer, William Owens, Sanam Bezanson

Chronic exertional compartment syndrome: An umbrella review

Steven Reece, Mark Pfefer, Stuart McIntosh, William Owens, Diane Bartholomew, Sanam Bezanson

Nutritional intake and bone health: An umbrella review

Angie Segovia, Mark Pfefer, Ethan Couch, Llanet Sanchez, Emanuel Ajayi

How do chiropractors explain spinal manipulation to patients: A descriptive literature review

Alexander Sundin, Matthew Thronson, Michele Maiers

P300 amplitude as a biomarker for concussions in student athletes: A review of the literature

Krista Ward, Monica Smith

Improving Patient Care: Insights from Clinical Case Reports

Characterizing interspinous excursion with diagnostic ultrasonography in 2 cases of degenerative spondylolisthesis with intersegmental hypermobility: A novel case report

Jessica Billham, Jesse Politowski, Erika Evans, Dingbo Shi, Norman Kettner

Treatment of a patient with cervicogenic and craniocervical related tinnitus: A case report

Thomas Bloink, Charles Blum

Successful co-management of a patient with C7/8 nerve dysfunction scheduled for surgery: A case report

Charles Blum

Asymmetrical lumbar facets complicating a diversified high-velocity, low-amplitude lumbar side posture adjustment: A case report

Charles Blum

Resolution of hearing loss in 4-year-old male following chiropractic care: A case report

Callyn Dittmar, Barbara Mansholt

Anatomical variation of the cervical sympathetic trunk: A case report

Yuan Gao, Jessica Billham, Norman Kettner

Chiropractic management of acute low back pain in a US Veteran with unilateral transtibial amputation: A case report

Lily Ho, Tyler Barton, Clinton Daniels

Friday March 24, 2023 3:00pm-4:00pm and Friday March 24, 2023 5:30pm-7:00pm

Moderators: Bic Bakkum, Cindy Chapman

Collaborative healthcare system benefits enhancing patient outcomes and satisfaction: A case report for a patient with neck pain and cervical radiculopathy

Kendal Hoard, Chris Arick

Management of lumbar disc herniation in a 56-year-old male utilizing Cox technic distraction manipulation

Edward Johnnie

Case study: EEG P300 evoked response potential reported at pre, post, and 3.5 months following concussion in a chiropractic student athlete

Dale Johnson, Krista Ward, Monica Smith

Chiropractic manipulative treatment to improve lower extremity function in elderly patient: A case study

Amy Koch

Stress fracture of the first rib in an 18-year-old baseball player: A case study

Misty Lagasse, Yahaira Roman

Diagnosis and management of progressive neurological deficits in a young male patient presenting for evaluation by a chiropractor within a Federally Qualified Health Center

Kelsey Lewis, Jordan Mackner

Chiropractic treatment of bilateral meralgia paresthetica: A case report

Christopher Roecker, Sachien Hewawasam, Matthew Skalski

Chronic low back pain management in a patient with advancing testicular cancer

Christopher Roecker

Chiropractic treatment of a 67-year-old Veteran with chronic low back pain utilizing cox technic flexion-distraction

Casey Rogers, Charles Elchert, Madeleine Hackney

Ultrasonography for diagnosis of distal biceps tendinosis: A case report

Dingbo Shi, Jessica Billham, Tyler Specht, Norman Kettner,

May-Thurner syndrome in pregnancy: A case study and review

D'sjon Thomas, Mark Pfefer, Haley England, Tiara Schmidt

Chronic foot pain complicated by post-surgical and degenerative changes: A case report emphasizing value of extracorporeal pulse activation technology and class IV laser

Ashley Vogt