

Conference Brochure & Academic Program

World Federation of Chiropractic
Association of Chiropractic Colleges

11TH CHIROPRACTIC EDUCATION CONFERENCE

November 2-5, 2022

Logan University, Chesterfield, Missouri
United States of America

Leveling Up: Creating Consistency in
Chiropractic Education



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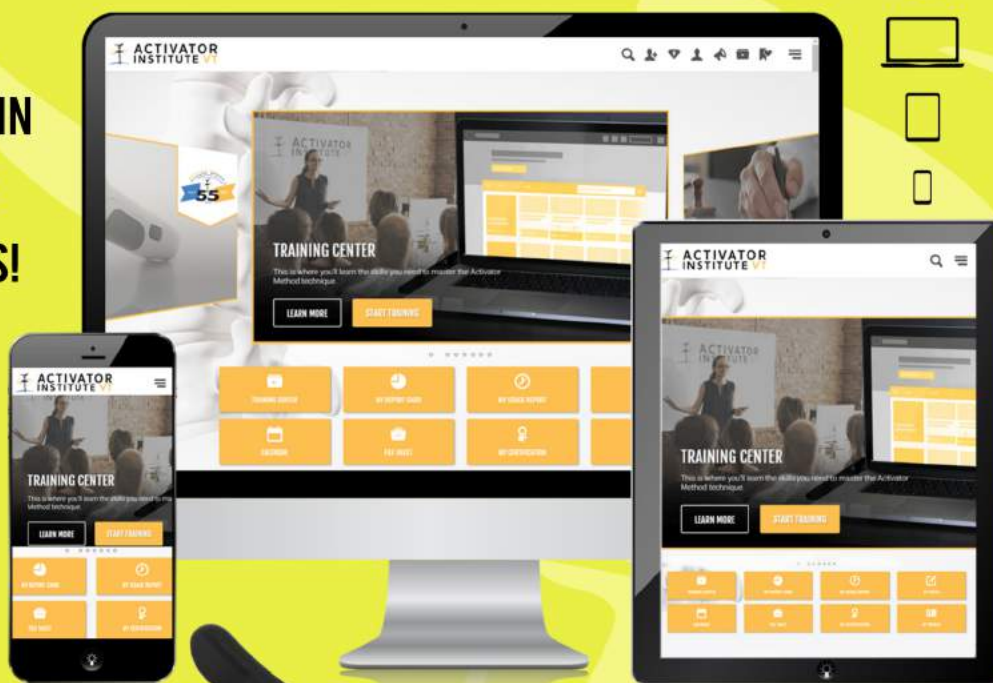
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Welcome Message

On behalf of us all at the World Federation of Chiropractic and the Association of Chiropractic Colleges, we invite you to join us at the 11th WFC ACC Chiropractic Education Conference. This year we are in St Louis, Missouri, for what will be a stimulating and inspiring event for educators, academics, association leaders, students and anyone with an interest in chiropractic education.

We encourage you to join us in showcasing the leadership that thrives within the international chiropractic educational community, and inspiring the students of today to become the chiropractors of tomorrow.

In an age where collaborative, patient-centered care is championed, we are delighted to invite thought leaders from outside chiropractic to bring new teaching and learning perspectives, future-focused innovations and groundbreaking technologies to the educational arena.

Our 2018 Conference in the iconic capital city of London was the best-attended ever. Delegates, exhibitors, sponsors and organizers showcased best practices, forged new relationships, identified opportunities and shared knowledge and skills. This year, we intend to break new records.

For 2022, our magnificent venue, the Purser Center, located on the beautiful campus of Logan University, could not be better equipped to host a WFC ACC Education Conference and our delegates, sponsors and exhibitors will not fail to be impressed by the scale of this outstanding facility.

As a Conference attendee, you will be at an event which now attracts educational leaders and decision-makers from chiropractic institutions and universities around the globe. We look forward to seeing you in St Louis.

Richard Brown

Secretary-General
World Federation
of Chiropractic

Anne Marie Munson

Executive Director
Association of
Chiropractic Colleges



Planning Committee



Dr. Richard BROWN DC, LL.M, FRCC

Richard is the Secretary-General of the World Federation of Chiropractic. A graduate of AECC University College, he was in private practice for over 25 years. He is a past President of the British Chiropractic Association and a past Secretary-General of both the European Chiropractors' Union and the European Academy of Chiropractic. He is a Fellow of the Royal College of Chiropractors and is a member of Eurospine, the spine society of Europe.



Dr. Deborah BUSHWAY PhD

Deb currently serves as the President and CEO of Northwestern Health Sciences University, where she previously served as Provost and Executive Vice-President. She is an acknowledged expert in competency-based education and has previously acted as an Advisor at the Office of the Undersecretary at the Department of Education in Washington DC. She has a particular interest in innovations in education to improve student success.



Dr. Bart GREEN DC, PhD

A chiropractor for more than 25 years, Bart is the Editor-in-Chief of the Journal of Chiropractic Education and a faculty member at the National University of Health Sciences. He is a full-time practicing chiropractor in an interprofessional corporate health center for Stanford Health Care. He has worked in private practice and previously served as a staff chiropractor at Naval Medical Center San Diego, establishing its first chiropractic service. Bart has a Master's degree in health professions education and a PhD in public health.



Dr. Clay McDONALD DC, MBA, JD

Clay is the President of Logan University and a past Chair of the Association of Chiropractic Colleges. He has extensive experience both in private practice and in chiropractic education. He served for a number of years on the Board of the Council on Chiropractic Education (U.S) and currently sits as a board member on the Spine Institute of Quality. During his time at Logan University, he has overseen its evolution into a full health sciences institution.



Mr. David O'BRYON JD, CAE

David retires this year as President of the Association of Chiropractic Colleges. With almost 40 years of US government and association experience, he has served organizations as an executive, consultant and volunteer. David serves on the Secretariat of the National Association of Schools and Universities in the US. He is the Past President of the Federation of Associations of Schools of the Allied Health Professions.



Dr. Desiree VARATHARAJULLU

Desiree is an academic and head of the chiropractic department at Durban University of Technology (DUT), South Africa. She received her M.Tech in chiropractic from DUT and served as a part-time lecturer while working in private practice prior to joining the university on a full-time basis. As well as her leadership role in the department, Desiree also supervises Masters students, having experience in a range of approaches, including clinical trials and qualitative studies. Desiree holds a PhD in Health Sciences and an Advanced Diploma in Business Administration.



Dr. David WICKES DC, MA

David is the President of the Canadian Memorial Chiropractic College. He has decades of academic experience, having previously served at the University of Bridgeport, University of Western States and National University of Health Sciences. He is recognized for his work in simulation-based learning. He has widely promoted the linkage of accreditation to continuous quality improvement in the education setting and has held a number of roles on the Council on Chiropractic Education (US).

Program at a glance

Wednesday, November 2

2:00pm - 5:00pm Exhibition set-up

2:00pm - 5:00pm Poster set-up

2:00pm - Registration opens

6:30pm - 8:00pm Welcome reception

Thursday, November 3

7:30am - Registration opens

8:30am - 5:30pm Conference Program and Exhibition

Friday, November 4

8:30am - 5:30pm Conference Program and Exhibition

Saturday, November 5

8:30am - 4:45pm Conference Program and Exhibition

3:30pm - Exhibition tear-down and Poster removal

Fast facts

In 2018, there were:

- Over 160 attendees
- 10 exhibitors
- International attendees from 35 educational institutions
- Representatives present from each of the WFC's 7 world regions
- International speakers from as far afield as Australia, France, South Africa, Spain, Belgium, Canada, Switzerland, Denmark, Mexico, Netherlands and the United States
- Students engaged at a number of levels.

There are now over 50 chiropractic educational institutions worldwide.



Conference venue

This year's WFC ACC Global Education Conference will be held in the magnificent Purser Center, located on the beautiful 112-acre campus of Logan University.

Logan University is situated in the town of Chesterfield, a 20-minute journey from St Louis International Airport and approximately 25 minutes from the city of St Louis, in the U.S. state of Missouri.

Founded in 1935, Logan University merged with a number of other chiropractic colleges over the years and acquired its present site, a former seminary, in 1972. Numerous additional buildings have been constructed, with major renovations having taken place over the years. Earlier this year, Logan University hosted a ground breaking ceremony for the new Fuhr Science Center, named in honor of major benefactors, Arlan and Judi Fuhr.

The Purser Center has three indoor auditoriums and an outdoor amphitheater. With glass walls and terrazzo marble flooring, it boasts an architecturally stunning, 10,000 square foot lobby area, which will be the location for the conference trade stands, lunches and refreshment breaks.

Versatile, accessible and spectacular, the Purser Center is the perfect location for the WFC ACC Education Conference. The plenary sessions will be held in the main auditorium, while the afternoon research presentations and workshops will be split between the equally impressive breakout rooms.

With its main 900-seater theater and two 150-seater auditoriums, the Purser Center promises to be one of the most impressive venues ever to host a WFC ACC Chiropractic Education Conference.

Featuring state-of-the-art sound and lighting, the 2022 WFC ACC Chiropractic Education Conference will be an unforgettable experience.

Don't miss the opportunity to experience Midwest hospitality, the vibrant and historic nearby city of St Louis, featuring its iconic Gateway Arch, art galleries, museums and rich parkland.



REGISTER ONLINE AT:

wfc.org/educonf2022



Life never stops teaching.

As a premier health sciences university, Logan's mission and curriculum are grounded in evidence-informed, outcome-based ongoing research activity. Our faculty are top-notch in their research; presenting locally, regionally, nationally and internationally.



logan.edu/research

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Conference theme

Leveling Up: Creating Consistency in Chiropractic Education

Introduction

Leveling up has increasingly been referred to in society, particularly in relation to moral, social and economic dimensions. Essentially, it means that no one should be left behind.

Not everyone benefits equally from service provision, in society in general, and in education in particular. While talent may be spread equally, opportunity is not. Leveling up is a mission to challenge that unfairness. Leveling up means giving everyone the opportunity to flourish. Leveling up means putting an end to inequality.

In chiropractic education, leveling up means tackling inequalities in teaching and learning, meeting competencies and ensuring that the delivery of education achieves and exceeds basic minimum standards. Leveling up is about raising the bar for all.

Consistency, continuity and coordination are frequently referred to as the "three C's" of seamless patient care. Yet in considering the education of health professionals, it is arguably as important that these values are applied to training. The expectations of patients and the public are such that care received in one area of a country or continent should be broadly similar to that received by another patient of the country.

This conference will tackle issues of consistency in chiropractic education. It will look at competencies,

curriculum design, application of evidence, accreditation and testing, supporting faculty, meeting student expectations and achieving consistent graduate outcomes.

Conference objectives

The WFC / ACC Chiropractic Education Conference is the world's premier event dedicated to chiropractic education and training. This outstanding conference will bring together leaders and international experts to discuss and debate emerging trends in chiropractic education and will showcase the latest evidence-informed educational research.

Delegates will have the opportunity to listen to renowned international experts in the field of health care education and share best practices from around the world. Inspiring, interactive workshops will focus on enhancing the learner experience whilst equipping faculty to develop skills and knowledge by better understanding innovations in key areas of knowledge transfer.

At the same time, other stakeholders in chiropractic education, including national association leaders, will develop fresh perspectives to inform national and international development of the chiropractic profession.

Who should attend?

This conference addresses subjects that are of importance not only to those who are engaged in leadership and teaching in chiropractic education and research but also to practicing chiropractors.

The meeting will be of interest to leaders and faculty from chiropractic educational institutions and organizations as well as representatives of chiropractic associations and all interested in current developments in health care delivery systems relevant to chiropractic.



WEDNESDAY, NOVEMBER 2, 2022

Lobby	2:00	6:30	EXHIBITOR SET-UP
Lobby	2:00	6:30	POSTER SET-UP
Lobby	4:00		REGISTRATION OPENS
Lobby	6:30	8:00	WELCOME RECEPTION

THURSDAY, NOVEMBER 3, 2022

Lobby	7:30		REGISTRATION OPENS
Walters Auditorium	8:30	9:00	CONFERENCE OPENING & WELCOME John Maltby, President, World Federation of Chiropractic David Wickes, Vice-Chair, Association of Chiropractic Colleges Clay McDonald, President, Logan University Arlan Fuhr, Chairman and founder, Activator Methods

SESSION A: LEVELING UP - THE CASE FOR EQUITY IN CHIROPRACTIC EDUCATION

Session Chair: Desiree Varatharajullu, Head of Chiropractic Department, Durban University of Technology (South Africa)

Walters Auditorium	9:00	9:50	WHY LEVELING UP MATTERS: CREATING OPPORTUNITY FOR ALL Celina Caesar-Chavannes, Author of 'Can You Hear Me Now?', former Canadian Member of Parliament and DEI campaigner (Canada)
Walters Auditorium	9:50	10:05	MAKING THE RIGHT ADJUSTMENTS TBC
Walters Auditorium	10:05	10:20	ELIMINATING BARRIERS TO CHIROPRACTIC EDUCATION Shelley Sawalich, Dean of Students, Logan University (USA)
Walters Auditorium	10:20	10:30	Q&A SESSION

REFRESHMENT BREAK, VENDOR EXHIBITION AND POSTER VIEWING

THURSDAY, NOVEMBER 3, 2022

SESSION B: STAYING THE COURSE - DEVELOPING CONSISTENCY IN STUDENT ADMISSIONS

Session Chair: Daniel Moore, Head of Department, Teesside University (UK)

Walters Auditorium	11:00	11:15	TALENT SPOTTING: CANDIDATES IN THE SPOTLIGHT Patti Scott, Registrar, Canadian Memorial Chiropractic College (Canada)
Walters Auditorium	11:15	11:30	HOLISTIC REVIEW IN ADMISSIONS Christina Cunliffe, Principal, McTimoney College of Chiropractic (UK)
Walters Auditorium	11:45	12:30	PANEL DISCUSSION: ADMISSIONS - AN INEXACT SCIENCE? Natacha Douglas, Vice President of Admissions and Financial Aid, Logan University (USA) (Moderator) Phillip Dewhurst, Head of School (Chiropractic) AECC University College (UK) Deborah Bushway, President, North Western Health Sciences University (USA) Adrian Wenban, Principal, Barcelona College of Chiropractic (Spain) Carl Cleveland III, President, Cleveland University (Kansas City) (USA)

LUNCH, VENDOR EXHIBITION AND POSTER VIEWING

TRACK A1

Walters Auditorium	2:00	3:30	EDUCATION RESEARCH PLATFORM PRESENTATIONS Moderator: Anthony Tibbles, Dean of Clinics, Canadian Memorial Chiropractic College (Canada)
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Chiropractic students' learning and study strategies and association between anxiety and concentration

Monica Smith, Krista Ward, Dale Johnson

Survey of attitudes and perceived barriers to scholarship and research among Doctor of Chiropractic program faculty

Mark Pfefer, Rebecca Wates, Emily Ford

Burnout syndrome in chiropractic interns: a pilot longitudinal study

Gary Tam, Jesse Cooper, Gregory Priest, Katherine Pohlman

THURSDAY, NOVEMBER 3, 2022

TRACK A1 (CONTINUED)

Walters Auditorium 2:00 3:30 **EDUCATION RESEARCH PLATFORM PRESENTATIONS**

The experiences of first-time registered chiropractic students at a South African university of technology regarding their transition from high school to university

Keiron Boosi, Desiree Varatharajullu

Why study chiropractic? A qualitative analysis of student choices

Philip Dewhurst

Medical students' experiences as patients in a chiropractic student clinic and its impact on future interprofessional collaborations

Mayda Serrano, Marcia Garcia

Contrast bias in grading student clinical interns across the transition between trimesters

Michael Sheppard, Stephanie Johnson, John Ward

A description of chiropractic students' skills and importance for evidence-based practice competencies: a 6-year serial cross-sectional survey

Larissa Armstrong-Kager, Christopher Malaya, Ashley Long, Dana Lawrence, Katherine Pohlman

Assessing and monitoring diversity in education – development and use of the Action & Participation Plan (APP)

Christina Cunliffe, Matthew Green, Adrian Hunnisett

TRACK B1

North Mabee 2:00 3:30 **INNOVATIONS IN CHIROPRACTIC TEACHING AND LEARNING**
Moderator: Claire Johnson, Editor-in-Chief, Journal of Manipulative and Physiological Therapeutics (USA)

Development of a clinical reasoning assessment tool based on a modified OSCE and a longitudinal clinical vignette

Danica Brousseau

THURSDAY, NOVEMBER 3, 2022

TRACK B1 (CONTINUED)

North Mabee 2:00 3:30 **INNOVATIONS IN CHIROPRACTIC TEACHING AND LEARNING**

The use and benefits of a construct-aligned scale for clinical assessment

Christopher Petrie, Christopher Smoley, Katie Burns-Ryan

Contextualised admissions in chiropractic education

Hazel Jensen, Philip Dewhurst

Passion driven project – A capstone experience to integrate biomedical knowledge, behavior change and self care in chiropractic students

Martha Garcia, Francisco Davila, Jose Quidgely, Alvaro Perez

Interprofessional student-led clinics: an educational opportunity to realise WFC EPIC principles

Amy Miller, Edwin van Teijlingen, Sue Way, Alison Taylor

TRACK C1

South Mabee 2:00 3:30 **WORKSHOPS (45 MINUTES)**

The WHO Global Competency Framework for Universal Health Coverage: are we training chiropractors to meet these competencies in support of their role as an integral part of the global health workforce?

Deborah Kopansky-Giles, Deborah Bushway, Anthony Tibbles

Public health in chiropractic education: revisiting competencies in a post-COVID world

Joseph Pfeifer, Michele Maiers, Dana Madigan

REFRESHMENT BREAK, VENDOR EXHIBITION AND POSTER VIEWING

TRACK A2

Walters Auditorium 4:00 5:30 **EDUCATION RESEARCH PLATFORM PRESENTATIONS**
Moderator: Danica Brousseau, Clinical Professor, UQTR (Canada)

Impacts of the Covid-19 pandemic on ECCE accredited programs: a mixed-methods audit

Chris Yelverton, Cynthia Peterson, B. Kim Humphreys, Kenneth Vall

THURSDAY, NOVEMBER 3, 2022

TRACK A2 (CONTINUED)

What did we learn about learning from the pandemic?

David Wickes

Effects of a sudden change in curriculum delivery mode in postgraduate clinical studies, following the COVID-19 pandemic

Martin Frutiger, Stephany Whillier

Chiropractic faculty experiences of burnout and the COVID-19 pandemic

Krista Ward, Bradley Francis, Ricky Wong, Melinda Pham, Monica Smith

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

Role of videoconferencing in the training of patient history-taking

Christopher Marchese

Perceptions and attitudes of chiropractic students toward blended learning and the subsequent COVID-19 necessitated shift to e-learning

Fatima Ismail, Rolene Raderman, Christopher Yelverton, Cynthia sen

Cultural competency of students in diversity and health class: results from three assessments.

Lisa Killinger

Evidence mapping of lecture capture research in the health professions: an updated analysis

David Wickes

THURSDAY, NOVEMBER 3, 2022

TRACK B2

North Mabee 4:00 5:30 **INNOVATIONS IN CHIROPRACTIC TEACHING AND LEARNING**
Moderator: Bart Green, Editor-in-Chief, Journal of Chiropractic Education

Fully integrated musculoskeletal point-of-care ultrasound training for chiropractic students

Jake Halverson, Alvaro Peres

Using technology to help create consistency in chiropractic

Rose Olsen-Long

Empathy in chiropractic education: a novel approach

Scott Dunham, David Starmer, Lauren Ead

Challenges of opening a new chiropractic education program in Brazil

Paolo Gomes de Oliveira Neto

3D Printing to enhance anatomy education

Victoria Lyons, Sheryl Walters, Jonah Finocchiaro

TRACK C2

South Mabee 4:00 5:30 **WORKSHOPS (45 MINUTES)**

Interprofessional student-led practice: exploring opportunities and developing skills for implementation

Amy Miller, Philip Dewhurst, Hazel Jensen

Developing core competencies for interprofessional relationships in integrated care settings

Jason Napuli, Zachary Cupler, Clinton Daniels, Anna-Marie Ziegler, Matthew Kneiper, Robert Walsh

END OF DAY 1

FRIDAY, NOVEMBER 4, 2022

SESSION C: CREATING CONSISTENCY IN REMOTE TEACHING AND LEARNING

Session Chair: Carl Cleveland III, President, Cleveland University (Kansas City), Missouri (USA)

Walters Auditorium	8:30	9:00	HOW TO DEVELOP A COMPELLING ONLINE PRESENCE Shawn Thistle, RRS Education (Canada)
Walters Auditorium	9:00	9:15	HARNESSING TECHNOLOGY FOR ONLINE DELIVERY David Wickes, President, Canadian Memorial Chiropractic College (Canada)
Walters Auditorium	9:15	9:30	LESSONS FROM PIVOTING TO E-LEARNING Arlan Fuhr, President, Activator Methods (USA)
Walters Auditorium	9:30	9:45	STUDENT PERSPECTIVES ON 21ST CENTURY LEARNING Louisa Conradi, Past President, Director of External Affairs, World Congress of Chiropractic Students (Germany)
Walters Auditorium	9:45	10:30	FROM STAGE TO SCREEN: MANAGING FACULTY STRESS IN A TIME OF TRANSITION Speaker TBC

REFRESHMENT BREAK, VENDOR EXHIBITION AND POSTER VIEWING

SESSION D: CREATING CONSISTENCY IN GRADUATE OUTCOMES

Session Chair: Kristina Petrocco Napuli, Interim Dean, Logan University College of Chiropractic (USA)

Walters Auditorium	11:00	11:15	DEFINING KNOWLEDGE, SKILLS AND COMPETENCIES TO MEET EXPECTATIONS OF THE PUBLIC Stuart Smellie, Director of Academic Affairs, Royal College of Chiropractors (UK)
Walters Auditorium	11:15	11:30	EVOLUTION OF A NEW REGIONAL ACCREDITATION AGENCY FOR LATIN AMERICA Mayda Serrano, Dean of Clinics, Universidad Central del Caribe (Puerto Rico)
Walters Auditorium	11:30	11:45	TAKING A FRESH LOOK AT CONSISTENCY IN ACCREDITATION STANDARDS Joseph Brimhall, President, University of Western States (USA)

FRIDAY, NOVEMBER 4, 2022

SESSION D (CONTINUED)

Walters Auditorium	11:45	12:30	<p>PANEL DISCUSSION: IS CONSISTENCY IN CHIROPRACTIC EDUCATION ESSENTIAL FOR PROFESSIONAL GROWTH?</p> <p>Olivier Lanlo, President, Institut Franco-Europeen de Chiropraxie (France) (Moderator)</p> <p>Barrett Losco, Head of Chiropractic, Murdoch University, Perth (Australia)</p> <p>Trevor Foshang, Dean of Chiropractic, Campbellsville University, Kentucky (USA)</p> <p>Jorge Castillo Hernandez, Head of Chiropractic, Universidad Veracruzana (Mexico)</p> <p>Cynthia Peterson, Chair, Councils on Chiropractic Education International</p>
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LUNCH, VENDOR EXHIBITION AND POSTER VIEWING

TRACK A3

Walters Hall	2:00	3:30	<p>EDUCATION RESEARCH PLATFORM PRESENTATIONS</p> <p>Moderator: Sarah Graham, Postdoctoral Associate, Yale University (USA)</p> <p>Process of Integrating Evidence (PIE) for Complementary and Integrative Healthcare (CIH) educators: confidence changes to use and teach evidence-based practice (EBP)</p> <p><i>Katherine Pohlman, Craig Jacobs, Katie Hoyt, Joshua Goldenberg, Ron LeFevbre, Dana Madigan</i></p> <p>Interprofessional collaboration: hospital rotation experience for chiropractic interns and medical doctors at a neuromusculoskeletal department in an acute care hospital</p> <p><i>Mayda Serrano, Waleska Crespo</i></p> <p>Acceptance and effectiveness of manikin for spinal manipulation: chiropractic students' viewpoints</p> <p><i>Sheng Hui Kioh, Ian Ong Li Xian</i></p> <p>From promoting interest to writing quality scientific literature: an experimental educational intervention</p> <p><i>Arantxa Ortega, Carlos Gevers, Ricardo Fujikawa</i></p> <p>Cultural competency among Canadian chiropractors: a national survey</p> <p><i>Silvano Mior, Nooralhuda Bakaa, Danielle Annamalai, Luciana Macedo, Lisa Carlesso, Joy Christianne McDermid</i></p>
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FRIDAY, NOVEMBER 4, 2022

TRACK A3 (CONTINUED)

Integrated clinical opportunities for training offered through United States Doctor of Chiropractic programs

Kevin Meyer, Omar Al-Ryati, Zachary Cupler, Gina Bonavito-Larragoite, Clinton Daniels

Teaching social determinants of health in one chiropractic program: pathways for Implementation within didactic and experiential learning

Jevinne Khan, Patrick Battaglia, Jordan Gliedt, Joseph Pfeifer

Attitudes, beliefs, and recommendations for chronic low back pain patients: cross-sectional surveys of a chiropractic teaching institution

Ryan Muller, Jesse Cooper, Jordan Gliedt, Katherine Pohlman

Use and attitudes toward diagnostic ultrasonography a cross-sectional survey in an educational clinic setting

Nicole Zipay, John Chin-Suk Cho

TRACK B3

North Mabee

2:00

3:30

INNOVATIONS IN CHIROPRACTIC TEACHING AND LEARNING

Moderator: Brian McAulay, Vice-President for Academic Affairs, Logan University (USA)

A hospital based interprofessional chiropractic clinic

Waleska Crespo

Teaching mental health awareness to chiropractic students

Peter Tuchin

Development and use of a comprehensive clinical internship dashboard

Christopher Smoley, Christopher Petrie, Katie Burns-Ryan

Preparing for practice: spine surgery in case-based chiropractic education

Joel Carmichael

The need and feasibility of a Doctor of Chiropractic program at a public research-intensive university in the USA

Michael Schneider

FRIDAY, NOVEMBER 4, 2022

TRACK C3

South Mabee 2:00 3:00 **WORKSHOPS (45 MINUTES)**

Improving cultural competence in Canadian chiropractic students and the profession

Ayla Azad, Scott Dunham, Silvano Mior, Karin Hammerich, Danielle Annamalai, Alison Dantas

Educating educators on evidence

John Stites, Ron LeFebvre, Katherine Pohlman, Craig Jacobs

REFRESHMENT BREAK, VENDOR EXHIBITION AND POSTER VIEWING

TRACK A4

Walters Hall 4:00 5:30 **EDUCATION RESEARCH PLATFORM PRESENTATIONS**
Moderator: Amy Miller, Lecturer, Clinical Sciences, AECC University College (UK)

Imposter phenomenon in chiropractic education

Scott Dunham, Alexander Sgro, David Starmer

Comparing student perceptions of the impact of peer feedback in team-based learning and other student-centered learning activities

Emily Boggess, Cecilia Martin, Cortny Williams

Establishing chiropractic interprofessional postdoctoral fellowship programs in research and health policy: experiences from two United States medical schools

Sarah Graham, Wren Burton, Matthew Kowalski, Peter Wayne, Cynthia Brandt, Anthony Lisi

Measuring the quality of the OSCE in a chiropractic program: a review of metrics and recommendations

Alice Cade, Nimrod Meuller

The Councils on Chiropractic Education International Mapping Project: comparing member agencies' standards to the framework

Cynthia Peterson, Kristi Randhawa, Lynn Shaw, Michael Shobbrook Lenore Edmunds, Drew Potter

FRIDAY, NOVEMBER 4, 2022

TRACK A4 (CONTINUED)

A comparative audit of jurisprudence, ethics and business management (JEB) courses taught at 21 accredited chiropractic programs worldwide

Brian Gleberzon

Effect of video announcements on instructor presences and student engagement in the graduate online classroom

Jessica Hilton

Chiropractic curricula mapping to establish exam competency: a content validity study

Bruce L. Shotts, Gabriel Owusu, Igor Himmelfarb

Examining the relationship between test taking time and test scores: evidence from chiropractic pre-licensure testing programs

Igor Himmelfarb, Bruce L. Shotts, Andrew Gow

TRACK B4

North Mabee

4:00

5:30

INNOVATIONS IN CHIROPRACTIC TEACHING AND LEARNING

Moderator: John Scaringe, President, Southern California University of Health Sciences, California (USA)

Faculty manuscript writing program

Zak Monier, Katherine Pohlman

The evidence-based case report: is it time for an update?

Alister du Rose, Amanda Jones-Harris

Monitoring academic engagement to identify students at risk and intervene before it is too late

Celia Maguire

Utilization of force sensing tables to assess psychomotor skills utilized in the chiropractic adjustment

Daryl Ridgeway

Transmedia storytelling to understand infectious diseases

Martha Garcia, Alvaro Perez

FRIDAY, NOVEMBER 4, 2022

TRACK C4

South Mabee

2:00

3:00

WORKSHOPS (45 MINUTES)

How to establish a quality learning environment that facilitates transformative learning

Cortney Williams, Cecilia Martin

Using interactive educational technologies to facilitate active learning

Yuan Gao

END OF DAY 2



SATURDAY, NOVEMBER 5, 2022

SESSION E: PREPARING STUDENTS FOR INTERPROFESSIONAL PRACTICE

Session Chair: Ricardo Fujikawa, Head of Chiropractic, Madrid Chiropractic College, El Escorial (Spain)

Walters Auditorium	8:30	8:45	WHAT I WISH I'D KNOWN AT THE TIME: THE CHALLENGES OF ADJUSTING TO REALITY Jon Parham, NextGen (USA)
Walters Auditorium	8:45	9:00	CONSISTENTLY BEST BEHAVIOR: TEACHING PROFESSIONAL STANDARDS TO PREVENT ETHICAL INFRACTIONS Stuart Kinsinger (Canada)
Walters Auditorium	9:00	9:15	RESIDENCIES IN THE VETERANS AFFAIRS ADMINISTRATION Anthony Lisi, Dept of Veterans Affairs (USA)
Walters Auditorium	9:15	9:30	EMBEDDING INTERPROFESSIONALISM IN A HEALTH SCIENCES UNIVERSITY Lesley Haig, Pro Vice Chancellor, AECC University College (UK)
Walters Auditorium	9:30	9:45	SIDE BY SIDE: INTERPROFESSIONAL TEACHING AND LEARNING IN SWITZERLAND Mirjam Baechler, Head of Curriculum, Chiropractic Department, University of Zurich (Switzerland)
Walters Auditorium	9:45	10:30	CONSISTENCY IN INTERPROFESSIONAL, PEOPLE-CENTERED REHABILITATION Tony Delitto, Dean, School of Health and Rehabilitation Sciences, University of Pittsburgh (USA)

REFRESHMENT BREAK, VENDOR EXHIBITION AND POSTER VIEWING

SESSION F: CREATING CONSISTENCY FOR GLOBAL PORTABILITY

Session Chair: Clay McDonald, President, Logan University, Missouri (USA)

Walters Auditorium	11:00	11:15	WHOSE SCOPE IS IT ANYWAY? Chris Yelverton, Head of Department (Chiropractic), University of Johannesburg and Chair, Allied Health Professions Council of South Africa
Walters Auditorium	11:15	11:30	MEETING PUBLIC EXPECTATIONS THROUGH STANDARDIZED ASSESSMENT Norman Ouzts, Executive Director, NBCE/IBCE (USA)
Walters Auditorium	11:30	11:45	ESTABLISHING A BENCHMARK FOR SPORTS CHIROPRACTIC Brian Nook, Executive Management Committee Member, FICS (USA)

SATURDAY, NOVEMBER 5, 2022

Walters Auditorium 11:45 12:00 **CHIROPRACTORS AS PUBLIC HEALTH ADVOCATES**

Claire Johnson, Chair, WFC Public Health Committee (USA)

Walters Auditorium 12:00 12:15 **FROM COWBOY TO PIT CREW: ADAPTATION TO A NEW ENVIRONMENT**

Bart Green, Editor, Journal of Chiropractic Education

Walters Auditorium 12:15 12:30 **Q&A SESSION**

LUNCH BREAK, VENDOR EXHIBITION AND POSTER VIEWING

SESSION G: LEVELING UP AND CONSISTENCY - SHAPING THE FUTURE

Session Chair: Michael Mestan, President, Northeast College of Health Sciences, New York (USA)

Walters Auditorium 1:30 2:00 **CONSISTENCY AND THE TRIAD OF TRUST: PROFESSIONALISM, PATIENTS AND PARTNERSHIPS**

Richard Brown, Secretary-General, World Federation of Chiropractic (Canada)

Walters Auditorium 2:00 3:00 **HOW TO LEVEL UP CHIROPRACTIC EDUCATION WITH UNIVERSAL DESIGN FOR LEARNING**

Thomas J. Tobin, Center for Teaching, Learning and Mentoring, University of Wisconsin - Madison (USA)

REFRESHMENT BREAK, VENDOR EXHIBITION AND POSTER VIEWING

SESSION H: MEETING OF MINDS - CREATING CONSENSUS

Session Chairs: Shawn Thistle (Canada) and Craig Little (USA)

Walters Auditorium 3:30 4:30 **DEVELOPING CONFERENCE CONSENSUS STATEMENTS**

Facilitators: Shawn Thistle (Canada) & Craig Little (USA)

Walters Auditorium 4:30 4:45 **CLOSING REMARKS**

Richard Brown & Anne Marie Munson

END OF DAY 3

END OF CONFERENCE

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Poster Presentations

Practical and clinical training in chiropractic education: learning the lessons from the pandemic

Christina Cunliffe, Dan Ruby, Khalim Mehrabi, Laura Pendleton, Adrian Hunnisett

Diversity, equity and inclusion accreditation standards in the US: a content analysis leading to proposed changes

Craig Little

A research honors program in a U.S. Doctor of Chiropractic program

Cynthia Long

Where are we in the tapestry of learning? Rediscovering the threads of learning via a content review of chiropractic courses

Alice Cade, Marina Fox

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

Zachary Cupler, Jordan Gleidt, Stephen Perle, Aaron Puehl, Michael Schneider,

Developing chiropractic students' clinical practice skills - elements of best practice: a qualitative exploratory descriptive study

Navine Haworth

Correlation between NBCE Part I performance and the curriculum in the Doctor of Chiropractic program at Universidad Central del Caribe

Kimberleve Rolon-Reyes

The reliability of an electronic health record audit in a chiropractic teaching clinic: study results and improvements

Craig Jacobs

Building for the future: the RAND Center for Collaborative Research in Complementary and Integrative Health

Patricia Hernan, Ian Coulter, Jeanmarie Burke, Stephen Cypher, Nipher Malika, Margaret Whitley

Staying connected with research articles: using Read by QxMD to connect users with the library

Sheryl Walters, Victoria Lyons, Jason Goodman

Changes in chiropractic students' attitude toward back pain management after one of three clinical evidence educational training procedures

Katherine Pohlman, Per Palmgren, Zakary Monier, Patrick Boylan, Adam Browning, Kimberly Cerf.

Assessment of ground reactive force of the provider while delivering chiropractic spinal manipulation: a pilot study

Mitchell Ludwig, Steven Reece, Stuart Macintosh, Mark Pfefer

Who wants to be a chiropractor?

Philip Dewhurst

General Chiropractic Council (GCC) UK fitness to practise principles and professional ethics: creation of a study guide to facilitate learning

Stuart Kinsinger, David Byfield

Commentary on competencies and standardization in chiropractic pediatric education: an opinion on taking the next step

Anna Papadopoulou

Exploring in-person vs Virtual Interprofessional Education (IPE) in family medicine

Deborah Kopansky-Giles, Ann Stewart, Grace Zhou, Judith Peranson, Pegah Rahbar

Poster Presentations

Exploring clinicians' experiences and perceptions of end-user roles in knowledge development: a qualitative study

Leslie Verville, Carol Cancelliere, Gaelen Connell, Joyce Lee, Sarah Munce, Silvano Mior

Do chiropractic educational institutions provide adequate training in mental health?

Peter Tuchin

Using an active surveillance reporting system to prospectively identify adverse events at the Macquarie University chiropractic teaching clinics

Christopher Burrell, Aron Downie, Katherine Pohlman, Martha Funabashi, Rosemary Giuriato, Katie da Luca

Facilitator guide: teaching motivational interviewing and the SBIRT Method through an interprofessional simulated clinical experience learning activity

Jeffrey Kamper

Assessment for learning: an essential component of student engagement

Celia Maguire

Exploring clinician perceptions of a care pathway for the management of shoulder pain: a qualitative study

Leslie Verville, Carol Cancelliere, Gaelen Connell, Joyce Lee, Silvano Mior, Sarah Munce

Examining the validity of chiropractic Grade Point Averages for predicting NBCE Part I exam scores

Igor Himmelfarb, Bruce L. Shotts, Andrew Gow

One profession - but not one oath: a new survey revisiting the Chiropractic Oaths

Marshall Deltoff

Challenges of establishing a profession-led Chiropractic College in a university dominant environment: the regulatory challenges

Patrick Sim

Impact of face masks in chiropractic students during the COVID-19 pandemic on daily classroom interaction

Ricardo Fujikawa, Arantxa Ortega

History of chiropractic education in New York

William Lauretti

Humanizing diseases

Jeremy Barthels

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

Patrick Sim, Kym Davis

Perception among lay students and health professionals who take a bachelors degree in chiropractic

Paolo Gomes de Oliveira Neto

Should Northeast College of Health Sciences implement a supplementary instruction program to improve chiropractic technique skills?

Brett Carnevale

The conference organizers would like to express their sincere thanks to Brighthall Inc. for overseeing the blinded peer review of submitted abstracts and ensuring integrity of the process throughout.

Registration fees (USD)

REGISTRATION LEVEL	EARLY BIRD (to September 30)	STANDARD
Attendees from Asia, Europe, Eastern Mediterranean, North America, Pacific regions		
First educational institution representative	695	795
Second and subsequent representatives	595	695
Full-time student	295	395
Non-affiliated individuals	695	795
Attendees from Africa, Latin America regions		
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Second and subsequent representatives	295	395
Full-time student	195	295
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Cancellations received by August 31, 2022 will be eligible for a full refund.

Cancellations received between September 1, 2022 and October 15, 2022 will be eligible for a 50% refund.

Cancellations received after October 15, 2022 are non-refundable.

Please note that all eligible refunds will be subject to a 2% administration charge and will be processed after the conference.



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Individual reservations must be canceled prior to 12:00 p.m. on the day before the reservation's confirmed date of arrival in order to avoid a non-refundable fee equal to one night's room rate plus tax.

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