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APRIL 2023



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'And the hits just keep on coming!'

When I was a kid in the 60's growing up in Southern California, we would love to spend a great deal of time listening to the radio. We were hooked, hearing the AM disc jockeys playing all the latest and greatest sounds of the time.

One of their favorite sayings throughout the day was "This KR 'whatever' AM radio, where the hits just keep on coming." That's kind of how I feel about what is happening in chiropractic now in 2023 - the hits just keep on coming.

Chiropractic research is exploding. When I began my practice 45 years ago, when someone asked where's the research, my answer was "I'll see what I can find. The best resource we had at the time was going to one of Dan Murphy's seminars where we could at least be presented with whatever 'research' was out there supporting chiropractic and what we did. For the most part, the cupboards were bare.

Now, when someone asks, 'where's the research', the answer would be, 'how much do you want'? Type in PubMed the word "spine" and you get 286,213 hits, chiropractic 9382, chiropractic care 3125, chiropractic treatment 5780; even vertebral subluxation has 6290 hits.

There is some tremendous work being published. The work of members of the WFC's Research Committee is focused on diverse areas, such as international guidelines on vascular pathologies, low back pain, concussion, patient safety and the effects of motor control training. Heidi Haavik and her team in New Zealand are currently studying the effects of chiropractic adjustments on the brain. Deed Harrison and his group are constantly publishing papers in top peer reviewed journals. Eric Chu in Hong Kong is one of the world's most prodigious authors of case reports. In Denmark, a significant funding is collected annually from chiropractors to fund research at the University of Southern Denmark and elsewhere.

Our recent call for expressions of interest to fill vacancies on the WFC Research Committee produced a very impressive list of candidates from around the world, and the Board was very pleased to approve three candidates recommended to us



Dr John Maltby, WFC President

by the selection committee. Research is the currency of the profession and we take very seriously the role that the Research Committee plays in advising the Board on matters of science and research.

At the same time, our Public Health Committee is publishing weekly social media updates related to its 2023 campaign focusing on physical activity. As chiropractors, we all know how important mobility is to our health and well-being and these resources aim to help practicing chiropractors wishing to integrate public health into their patient education resources.

Movement is also the theme of this year's World Spine Day. Coordinated by the WFC, World Spine Day takes place on October 16 each year and aims to raise awareness of the burden of spinal pain and disability around the world. I encourage every chiropractor to get involved and show their commitment to public health advocacy in their community.

All of this helps the WFC in so many ways. Our mission is to advance awareness, utilization and integration of chiropractic internationally -

continued

And the hits just keep on coming! (continued)

essentially to make more people are aware of chiropractic, have more people use the services of chiropractors, and ensure chiropractic is embedded into the health systems of all populations around the world.

There is no doubt that the world needs more chiropractors. This means the provision of more educational opportunities, and more countries willing to provide legal recognition for chiropractic.

At our high level meetings, one of the questions that we get asked is, 'where is the evidence?' They may ask that question assuming we have none, so they anticipate a short talk. Now we can provide evidence of over

300 clinical trials going on around the world, publications in some of the finest peer-reviewed journals and evidence of interprofessional collaboration at some of the world's finest institutions.

In addition to the above, we are making solid progress on the WHO Benchmarking project, our new International Chiropractic Education Alliance and the IBCE International Test of Competence. We are working on a brand new strategic plan and a global status survey as part of developing a global repository for all matters related to chiropractic

I am coming to the end of my first year as president of the

WFC. So far, it's been a great time with so much accomplished, but there remains much to do. Our showpiece events this year will be our Assembly of Members and 17th WFC Biennial Congress in Australia. This promises to be an outstanding event at one of the world's iconic locations. This is a time for chiropractors from around the world to come together to network, advance knowledge and skills and enjoy each other's company as part of our global community.

Make your plans now for this extravaganza of chiropractic. I look forward to seeing you there! **JM**

OUR PEOPLE

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Do we really know what we're doing?

Arthur Conan-Doyle, the author and creator of the detective Sherlock Holmes, once said, "It is a capital mistake to theorize unless one has data."

Regardless of what industry we're in, decisions should never be made in the absence of facts. The importance of data collection and the sound analysis of data once collected is that it leads to decision making that can, for the most part, be trusted. Decisions that are made on impulse, where we are led by our hearts rather than by our heads, can be fraught with regret and, far worse, can cost us dearly in terms of financial loss or reputational damage.

Data is divided into two types: quantitative, where information gathered is objectively measurable (like numbers, percentages and ratios); and qualitative, where words expressing the perception of quality, appearance, etc, are used.

There are few aspects of our lives that are not subject to attempts to obtain post-experience feedback: every purchase made, meal eaten, film watched, test drive taken, etc, are examined in detail, coupled with a range of ancillary questions designed to find out more about you so that your entire purchaser profile can be constructed. There are few, if any, stones left unturned. Marketers can gain insights and identify trends, build audience profiles, provide personalized information, turn potential customers into loyal clients and increase return on investment.

So with all of this going on, why should we, as chiropractors, think that we're immune from being analysed, or perhaps of greater relevance, not be doing the same as every other marketer? Should we not be both finding out how well we're doing or seeking to identify the character profile of our existing patients so we can better understand our target market?

Last month, I had the pleasure of visiting Hong Kong. It is a fascinating, bustling city of some 8

million people. After a whirlwind few days of meeting chiropractors and chiropractic leaders, taking part in interviews, visiting respected research centers and viewing a multidisciplinary health care facility, the likes of which I had never previously experienced, I came away with one clear message. Data matters. If your trajectory is not informed by data, it's difficult to make a business plan and plot a course for the future. If you are not constantly asking questions, gathering data, analyzing trends, or getting a proper sense of who is using your service, then an informed sense of current performance and future direction becomes largely a guessing game.

While we must recognize that evidence-based practice is about making careful decisions based on the individualized needs and preferences of the unique patients we serve, the acquisition of information to inform decision-making must of necessity come from big data: systematic reviews involving tens or sometimes hundreds of

continued



Richard Brown, WFC Secretary-General

Do we really know what we're doing? (continued)

thousands of people, are persuasive.

Big data in healthcare is important on a local level, e.g. reducing workload, or a global level (preventing pandemics and combating existing diseases more effectively). Sources suggest that big data held by organizations such as the UK's National Health Service may be worth tens of billions of dollars in cost efficiency savings and service improvements.

So the question is, without the acquisition or mining of data, how do we really know what we're doing? How are we measuring our performance, either year on year or against our competitors? On what basis are we plotting our course so that we can navigate the challenges that lie ahead?

Data helps guide the way we run our practices and can improve the care we provide to our patients. It informs efficiency and standard operating procedures. It educates us as to the effectiveness of our individual approaches to patients and our collective approaches to managing our practices.

The migration from traditional paper records to electronic health records provides endless opportunities to comprehensively analyze what we're doing. Patients now expect secure data storage and access to their data but often they are happy for anonymized data to be used to improve their care and the care of others.

There are a range of solutions available for data collection. These include in-house questionnaires and surveys, practice audit, document analysis and the use of SMS to enable data collection on the move.

Data analysis in healthcare has mostly changed our lives for the better, whether by systematic questioning, measuring of outcomes or by technologies such as wearable devices to provide feedback on our state of health. In an age of digital disruption, as we work to advance awareness, utilization and integration of chiropractic internationally - the mission of the WFC - let's commit to decision-making based on facts and data. **RB**

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News from the Boardroom

The Board of Directors of the WFC met on February 14, 2022 for its first quarter meeting.

The Board approved the minutes of the in-person meeting, held online on November 15, 2022. It also considered the minutes of the Annual Meeting of Members, also held online on November 22, 2022.

The Secretary-General provided a report to the Board of his activity since the date of the last Board meeting, which had included a site inspection visit to Kuala Lumpur, Malaysia concerning the 2024 WFC Education Conference and his attendance at the WHO Executive Board meeting in Geneva, Switzerland.

The Secretary-General reported that a contract had been signed with a website design company in the UK and that work had commenced on the design and build of a brand new WFC website.

The Board discussed the reputational risk to the profession of low quality providers of short courses in chiropractic with substandard academic rigor. It was noted that some of these courses were being provided by qualified chiropractors who were providing certificates without accreditation or validation of

courses. It was agreed by the Board that such courses presented a risk to the public.

The Board noted the successful conclusion of negotiations in respect of the Secretary-General's contract, which was extended until June 30, 2025. It was agreed that planning would commence imminently in relation to succession planning.

The Board considered a report from Dr Rebekah Wilks in relation to strategic planning and noted that a strategic plan for the period 2023-2028 was in the development phase with an anticipated launch at the WFC Assembly of Members in October 2023.

As a standing item on the agenda, the Board reviewed the financial status of the WFC, and noted the minutes of a meeting of the Finance Committee, which had been held on February 7, 2023. The Board was pleased to note the stable financial position of the WFC and awaited the auditor's report for the year 2022.

The Board considered reports of the Research Committee and Public Health Committee. It noted that a process was in place to recruit up to three new members of the Research Committee.

The Board discussed the upcoming events for 2023, specifically the 2023 Assembly of Members and the 17th WFC Congress, both to be held in Gold Coast, Queensland, Australia. The Board was further informed that planning for the 2024 Education Conference and 2025 18th WFC Congress were well advanced.

The Board was pleased to note the appointment of a Steering Committee to direct the development of the new International Chiropractic Education Alliance, in particular the appointment of Dr Deborah Bushway, President of North Western Health Sciences University as its chair.

The Board was advised that a test committee, comprising some 20 members, had been appointed to participate in decision-making in relation to the WFC International Test of Competence, being developed in association with the International Board of Chiropractic Examiners.

In relation to communications, the Board received the copy of the first quarter's Quarterly World Report and a report of the WFC's social media activity.

The next meeting of the Board of Directors will take place May 16, 2023.

Excitement building for 2023 Gold Coast Congress as program published

With a little over 6 months to go, anticipation is building for the 17th WFC Biennial Congress, which takes place October 11-14 in Gold Coast, Australia.

This year's Congress promises to be the best ever, with over 60 speakers from around the world having confirmed their attendance.

The Congress, which takes place at the prestigious Gold Coast Conference and Exhibition Centre, offers state of the art facilities, being just a short walk from the preferred congress hotels.

Our Congress theme of 'Let's Start With The Patient' reflects the need to be people-centered and acknowledges the central role that they play in the provision of chiropractic care, regardless of the part of the world or environment in which that care is being delivered.

The spectacular Gold Coast Conference and Exhibition Centre will play host to the 17th WFC Biennial Congress. This state of the art facility is located in the upscale Broadbeach area of Gold Coast, close to our recommended hotels and within easy reach of the world famous, sun-kissed beaches.

Over the course of three packed days, our academic program will take attendees on a journey covering various facets of people-centered care. These include equity, diversity and inclusion, the patient experience, contextual factors, personalized packages of care, delivery of care across the life course, patient safety, communication and social determinants of care.

We are delighted to be welcoming Dr Dinesh Palipana as our opening keynote speaker. Dr Pilapana is a spinal cord injured paraplegic emergency doctor at Gold Coast University



Hospital. He has spoken and written extensively about his experience both as a patient and a health care professional, and will share his thoughts on people-centered care seen through different lenses.

We will also hear from Dr Mufudzi Chihambakwe, president of the African Chiropractic Federation, who will speak on providing chiropractic care to underserved communities, and Professor Andrew Briggs, consultant to the World Health Organization, who will describe the global strategy for the provision of musculoskeletal care.

We will hear the perspectives of truly international panel members who will discuss and debate factors related to people-centered chiropractic care.

continued

Excitement building for 2023 Gold Coast Congress as program published (continued)

The WFC's commitment to evidence-based, people-centered, interprofessional and collaborative care - the pillars of our #BeEPIC campaign - will be front and center throughout the Congress. We will be showcasing both original and published research and awarding prizes to the best submissions in our research competition.

We have a range of workshops that provide something for everyone, with topics including pediatrics, women's health, sports chiropractic, neurology, rehabilitation, clinical

biomechanics, business and management, and public health. Technique masterclasses will also be included in the program for those wanting a hands-on experience.

Our Congresses would not be the same without a vibrant social program and our 2023 event is no exception. As well as our opening night cocktail and canape welcome reception, we are hosting a traditional Aussie Night at Gold Coast's Sea World resort and a Gala and Awards Dinner on the final night.

Gold Coast is located on the east

coast of Australia, 66km (41 miles) south of Brisbane, where the main international airport is located. Famous for its long sandy beaches, surfing spots and elaborate system of inland waterways, there are endless activities such as hiking, water sports and theme parks.

The 17th WFC Biennial Congress promises to be an unforgettable experience and a once-in-a-lifetime opportunity to share in the excitement of a global chiropractic event at an iconic location. We look forward to seeing you there!

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WFC confirms 2024 Education Conference in Malaysia

The location for the next WFC Global Education Conference has been announced. Taking place October 30 - November 2, the host city will be Kuala Lumpur.

Located in the WFC's Asia region, Malaysia is recognized as being one of the world's fastest-growing hubs for expansion of the chiropractic profession. With a new program opening in September in Hong Kong and discussions taking place about further courses opening up in the region, Asia is very much seen as a growth hub for chiropractic in the coming years.

The conference will be held at the prestigious Kuala Lumpur Convention Centre (KLCC), in the center of the city and adjacent to the iconic Petronas Towers.

The conference organizers have also negotiated favorable rates with the Traders Hotel, situated next to KLCC and part of the Shangri-La group of hotels.

This will be the 12th WFC Global Education Conference and following the success of the 2022 conference in St Louis, there will be much anticipation for another excellent event.

The theme of the conference is yet to be announced but abstracts will be invited from all subject areas relevant to chiropractic education. The showcasing of education research has been increasingly popular over the past decade and an exciting series of platform and poster presentations are anticipated.

As usual, the event will feature outstanding keynote speakers, panel discussions, plenary presentations and workshops.

WFC appoints key figures to World Rehabilitation Alliance work streams

As announced in the January issue of the QWR, in November the WFC was accepted as a founding member of the World Rehabilitation Alliance (WRA).

The WRA is a global network of stakeholders whose mission is to support the implementation of the Rehabilitation 2030 initiative. It was launched in 2022 with objectives to conduct evidence-based advocacy activities that increase awareness and demand for rehabilitation, networking and knowledge sharing and for creating a shared understanding and narrative around rehabilitation.

Rehabilitation is defined as a set of interventions designed to optimize functioning and reduce disability in individuals with health conditions in interactions with their environment (WHO, 2023).

All members of the WRA were invited to participate in one of five workstreams: workforce, primary care, research, emergencies and external relations. The WFC will be working in the areas of primary care and workforce and has appointed representatives to sit on these workstream groups.

Dr Deborah Kopansky-Giles represents the WFC on the primary care workstream. A past Board member of the WFC with strong connections to WHO, Dr Kopansky-Giles works at Canadian Memorial Chiropractic College and in the department of family medicine at St Michael's Hospital in Toronto.

Meanwhile, Dr Rebekah Wilks will be working on the workforce stream. As the WFC's strategy and policy lead, she has connections to the WHO's health workforce department through her work in developing a global status survey for the profession. Drs Kopansky-Giles and Wilks will be working collaboratively with other stakeholders to advance advocacy in these discrete areas.

New members of WFC Research Council announced

Following a recent call for expressions of interest, the WFC has confirmed three new members of its Research Committee (RC). The call generated a significant response, with applications received from around the world. After a rigorous assessment process, which was chaired by the WFC RC, a shortlist was created and interviews took place to determine who would be the preferred nominations to be put forward for approval by the WFC Board of Directors.

The WFC Board is pleased to announce that Dr Brian Coleman (United States), Dr Corrie Myburgh (Denmark) and Dr Michael Swain (Australia) were successful in their applications and will be joining the RC with immediate effect.



Dr Brian Coleman is a graduate of the University of Bridgeport. Between 2018 and 2020, he worked as a post doctoral fellow in medical informatics within the Veterans Affairs Connecticut Healthcare System and in the department of anesthesiology at Yale School of Medicine. Since 2020, Dr Coleman has been an Adjunct Research Scientist at the Yale School of Medicine and VA Connecticut Healthcare System and in 2021 he assumed a further role as a lecturer in biostatistics at Yale School of Medicine.



Dr Corrie Myburgh is an Associate Professor within the Institute of Sports Science and Clinical Biomechanics at the University of Southern Denmark and a senior researcher at the Chiropractic Knowledge Hub. He qualified as a chiropractor from the Durban University of Technology before going on to complete his Doctor of Philosophy from the University of Stellenbosch. He has a Masters in Medical Education from the University of Dundee and teaches at Bachelors, Masters and PhD level.



Dr Michael Swain is a senior lecturer and the director of higher degree research in the Department of Chiropractic at Macquarie University, Australia. He obtained his Masters in Chiropractic and Master of Philosophy at Macquarie before being awarded a Doctor of Philosophy from the Institute of Musculoskeletal Health at the University of Sydney. He is extensively published and is an alumnus of the Chiropractic Academy of Research Leadership (CARL). He spent 7 years as a director of Chiropractic Australia, leading Australia's leading research event.

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High level talks explore opportunities for chiropractic in Rwanda

WFC Secretary-General Richard Brown recently met with Rwandan Ambassador to the UN and Switzerland, Her Excellency Marie Chantal Rwakazina, at the WHO Headquarters in Geneva to discuss opportunities to grow chiropractic in Africa in general and Rwanda in particular.

During wide-ranging talks, the global burden of disability and the importance of rehabilitation was discussed, as well as opportunities to develop chiropractic, both in Rwanda and the wider African context. Dr Brown was able to talk about the training of chiropractors and their contribution to reducing the burden of spinal pain and disability through evidence-based, people-centered, interprofessional care.

The continent of Africa comprises 54 countries with a population of approximately 1.4 billion people. Yet outside the nation of South Africa, where chiropractic is regulated and there are around 800 practicing chiropractors, the remainder of the continent has fewer than 50 chiropractors.

Rwanda is one of the newest members of the WFC. A small, land locked country in central Africa, Rwanda has a population of approximately 13 million. Despite its modest size and population, Rwanda is increasingly recognized as the hub for information technology and for its investment in human capital and healthcare.

The President of the Rwanda Chiropractic Association is Dr Noella Kanyabutembo. A graduate of Parker University, she initially attended medical school and has retained many of the connections she established during her training. She works in the capital city of Kigali, where she runs a busy, multidisciplinary practice. Her work involves treating senior members of the military, government officials and prominent members of business and industry.

After the meeting, Dr Brown commented, "It is rare to be able to advocate for the chiropractic



Rwandan Ambassador to the United Nations, Her Excellency Marie Chantal Rwakazina with WFC Secretary-General Richard Brown.

profession at an ambassadorial level. Dr Rwakazina was interested in the work of chiropractors and how chiropractic treatment may be better integrated in Rwanda.

"I look forward to continuing conversations with both her and the authorities in Rwanda, alongside our WFC Member national association and the African Chiropractic Federation."

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Technology and innovation driving chiropractic advances in Hong Kong

During a recent trip to Hong Kong, an invited delegation saw at first hand the work being undertaken to advance patient care and the chiropractic profession through the use of technology and innovation.

As guests of the Chiropractic Doctors Association of Hong Kong, Martin Camara (Philippines), Matt Green (UK) and Richard Brown (WFC) were taken to Hong Kong Medical School, where scoliosis

screening applications utilizing artificial intelligence (AI) were demonstrated. The delegation also visited Hong Kong Polytechnic University (PolyU), where former CARL Fellow Dr Arnold Wong provided a tour of the Department of Rehabilitation Sciences. With data analysis being used to analyze patient behaviors the group also visited the offices of Google to learn how data was being used to guide

people-centered methodologies.

Hong Kong has one of the most advanced chiropractic clinics in the world, housed within New York Medical Group under the banner of EC Healthcare. In a high-rise building in the city, four floors are devoted to integrated healthcare providing chiropractic, physiotherapy, health screening, Traditional Chinese Medicine, rehabilitation, advanced diagnostic imaging and a range of other services.



L>R Martin Camara (Philippines), Richard Brown (WFC), Eric Chu (CDAHK) Grace Zheng (HKU Med) and Matt Green (UK)

ICEA to launch later in 2023, says steering committee

The International Chiropractic Education Alliance will launch later this year, according to the steering committee charged with finalizing its framework.

The ICEA Steering Committee, Chaired by Dr Deb Bushway, comprises 8 educational institution leaders from the United States, UK, South Africa, Australia and Puerto Rico.

The alliance, which is being established under the umbrella of the WFC, will invite representatives from all international chiropractic programs as well as stakeholders with an interest in chiropractic education.

The ICEA will provide an opportunity for chiropractic educational leaders to meet, network and share best practices in education provision, teaching and learning. It will serve as an evidence-based advocacy organization for high quality education.

Core principles of the ICEA are:

- Equity, diversity and inclusion in membership and structure, ensuring appropriate representation
- Transparency in all processes
- Alignment in all activities with the objectives
- Dedication to high quality standards of chiropractic education and alignment with WFC vision, mission and principles.

With the framework in place, the steering committee is confident that the target launch date will be achieved such that applications for membership will be forthcoming.

"This is the first time that a global organization of this type has ever been established," said Secretary-General Richard Brown. "We're confident that the alliance will be a valuable asset."

WFC International Test Committee commences work to develop competency exam

With many jurisdictions in the world still having no legislation or regulation, many organizations struggle with adopting a framework for self regulation. As such, it is sometimes the case that practitioners with a dubious past or inadequate training are not appropriately screened, resulting in poor performing chiropractors finding their way into national chiropractic organizations.

To counter this, the WFC is working collaboratively



with the International Board of Chiropractic Examiners (IBCE) to develop an international test of competence to provide reassurance to those charged with admitting individuals into association membership.

A Test Committee, comprising international experts from around the world, has been appointed and met for the first time in March. With assistance from IBCE, an examination will be designed that provides consistency across the globe and this will represent a step towards demonstrating accountability in self regulation. It is anticipated that the international test will be launched in November 2023.

WFC in Las Vegas for 'Invictus' Parker Seminar

Almost 4000 chiropractors were present in Las Vegas in February for the annual Parker Seminar. At what is widely acknowledged to be the largest chiropractic event globally, attendees were treated to a wide range of prestigious and high-profile speakers, whose presentations inspired and excited those who had traveled to Vegas from across the United States and beyond.

The WFC was well represented at the event. Led by WFC President, Dr John Maltby, other WFC representatives included Board member Dr Holly Tucker, Public Health Committee member Dr David Peece and Secretary General Richard Brown.

With arguably the largest expo of vendors in the world, this year's Parker Seminar provided the opportunity for the WFC to meet and express its appreciation to the many organizations present that generously support the WFC through its corporate partnership program.

Many U.S. chiropractic education leaders were also in attendance, including those from Logan University, Northwestern University of Health Sciences and Palmer College of Chiropractic.

Speaking after the event, WFC President Dr John Maltby commented, "There's nowhere quite like Las Vegas and nothing quite like the Parker Seminar. Dr Morgan and his team truly know how to put on a spectacular event. We really appreciate the opportunity to be here and network with our supporters and members of our international global community."

Parker University is a Platinum Corporate Partner of the WFC and supports its work through generous annual donations. In addition, Dr Morgan is a member of the steering committee of the new International Chiropractic Education Alliance.

Opposite top: Dr Richard Brown, Dr Wayne Wolfson (President, NCMIC) and Dr John Maltby

Opposite middle: Dr John Maltby with Dr Etienne Dubarry

Opposite bottom: Dr John Maltby with Dr Deborah Bushway (President, North Western Health Sciences University)





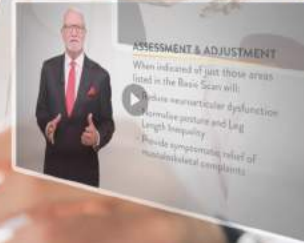
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WFC part of multi-stakeholder rehabilitation advocacy at WHO high level meeting

Each year, a meeting of the Executive Board of the World Health Organization convenes to consider resolutions and agree on the agenda for the World Health Assembly.

The Executive Board is composed of 34 technically qualified members who are elected for three-year terms. It meets every January, with the meeting being attended by representatives of WHO, Member States, non-state actors and others.

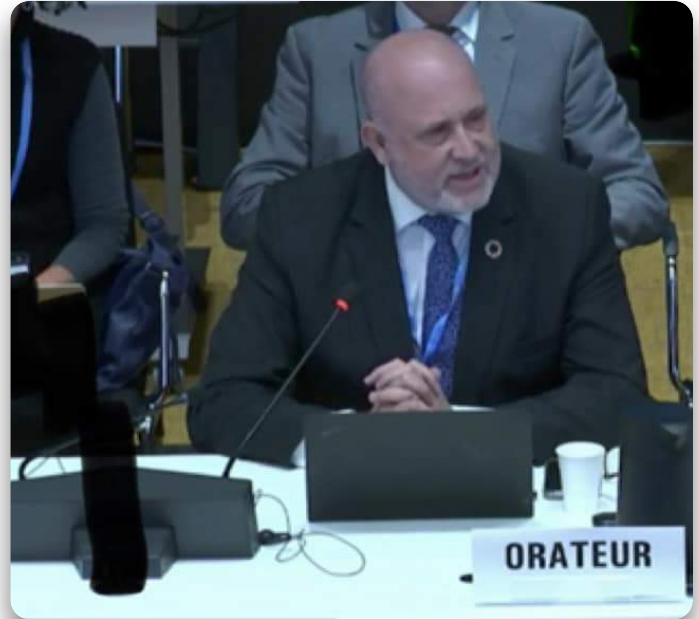
The 152nd meeting of the Executive Board took place January 28 - February 7.

The WFC has been a non-state actor in official relations with the World Health Organization since 1997. As such, it receives an invitation to send representatives to the meetings to act as observers and make statements on matters under discussion.

One of the key issues under consideration by the Executive Board this year was the resolution on rehabilitation. With an increasing focus on rehabilitation as part of the Rehabilitation 2030 initiative and the establishment of the WHO World Rehabilitation Alliance, consideration of this resolution was considered an important element of the Executive Board meeting.

The resolution covers a range of areas, including investment in human resources, financial resources, accessibility and assistive technology.

Richard Brown, representing the WFC met with a number of other rehabilitation stakeholders to advocate for support of the resolution. Working with representatives of Humanity and Inclusion International, the International Society for Physical Medicine and Rehabilitation, Rehabilitation International and other stakeholders, meetings were arranged with the



Richard Brown addressed the WHO Executive Board during its consideration of a resolution on rehabilitation

Permanent Missions of Israel, Brazil, Slovakia, and the United States, all of whom expressed strong support, with Israel being principally responsible for the drafting of the resolution.

Due to delays in the agenda, a special session of the Executive Board took place in the evening where many Executive Board Members and Member States spoke positively about the need for rehabilitation, particularly in low- and middle-income states.

A number of statements from non-state actors were read out during the agenda item, and Richard Brown was invited to read out the statement on behalf of the ten interprofessional stakeholders that had come together to advocate for the resolution to be included at the World Health Assembly. Support was unanimous and the resolution will now go before the World Health Assembly in May.

Move Your Spine announced as 2023 World Spine Day theme

Taking place on October 16 each year, World Spine Day is the world's largest public health event organized to raise awareness of spinal disorders and the global burden of spinal pain and disability.

With health professionals, exercise and rehabilitation experts, public health advocates, schoolchildren, governments and patients all taking part, World Spine Day is celebrated on every continent!



The 2023 campaign calls on people to care for their spines by staying active. Evidence has shown that immobility and a lack of physical activity are contributors to spinal pain and disability. "Move Your Spine" encourages people of all ages, in all nations, to get active and support their spinal health through movement.

An estimated one billion people suffer with spinal pain, with 540 million people at any one time. Low back pain remains the leading cause of years lived with disability on the planet. Spinal pain and disability are more prevalent than cancer, stroke, heart disease, diabetes, and Alzheimer's Disease combined.

Populations in many low- and middle-income countries often have limited or no access to conventional healthcare resources or dedicated

spinal health professionals. Supporting populations and communities in self-managing their conditions is therefore paramount. Even in high-income countries, back pain afflicts millions of people resulting in an enormous impact on industry and the economy. Effective management and prevention are therefore key, and this year's World Spine Day will be encouraging movement as part of this strategy.

World Spine Day calls for greater global commitment to tackling spinal pain and disability by governments, communities, and public health bodies.

For spine health experts, World Spine Day provides a perfect opportunity to meaningfully contribute and proactively participate in their communities.

"Move Your Spine" (#MoveYourSpine) will focus attention on the diverse nature of spinal pain and disability at home, in the workplace, in schools and in our communities while addressing movement across the life course. It will highlight ways in which all people, from all backgrounds can help their spines by staying mobile, avoiding physical inactivity, not overloading their spines, and adopting healthy habits such as weight loss and smoking cessation.

World Spine Day organizing committee co-chair, Dr Rebekah Wilks, said, "Public health initiatives like World Spine Day are critical in raising awareness, providing information and empowering the public to care for their spines. National and international back pain guidelines frequently highlight the need to remain active and avoid bed rest when suffering from back pain. This year, we want the world to move their spines!"

We call on everyone worldwide to get involved in World Spine Day 2023's **Move Your Spine** campaign. Visit www.worldspineday.org to find out more.



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For over 40 years, Human Touch has been helping people feel better through patented, award-winning, state-of-the-art products. Developed in cooperation with the medical community and wellness professionals, Human Touch chairs have been proven to relieve muscle tension, stress and fatigue while improving blood circulation, relaxation and more.

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- Extend to patient's homes to support their recovery.
- Exclusive partnership direct with the manufacture.
- Unlimited revenue options.



Human Touch chairs are the perfect complement to chiropractic treatment. They relax the mind and body so patients can realize maximum advantage during their treatments, and stay healthy and happy long after the treatments end.

- **John Maltby, D.C.**
WFC President

To learn more, contact healthcare@humantouch.com

or call **1-866-369-9426** today!

WFC represented at Spine Society of Europe strategy workshop

Spinal health care professional from across Europe and the rest of the world descended on the Italian city of Naples at the end of March for a strategic planning workshop.

Eurospine, the spine society of Europe, has traditionally represented spine surgeons, but over the past several years, a change in direction has meant that health professionals from other disciplines have been welcomed into the society.

WFC Secretary-General, Richard Brown, is a longstanding member and chairs the interprofessional collaboration module for Eurospine's European Diploma in Interprofessional Spine Care (EDISC). The diploma, now in its third

year of offering the multi-module program, is designed to equip any spine care professional with the tools to work interprofessionally and collaboratively.

The focus on rehabilitation also featured prominently, with Professor Brown also occupying a seat on the newly formed Rehabilitation Council.

Speaking after the event, he commented, "With only a small percentage of spine care sufferers undergoing surgery, it's important that all voices are represented at Eurospine. I look forward to seeing how the society evolves in the coming years."



WFC's Holly Tucker speaks at ACA Engage meeting



Dr Holly Tucker (center) addresses delegates during the ACA's Engage meeting in Washington D.C.

Dr Holly Tucker, who represents the North American region on the WFC Board of Directors, was one of the speakers during a special session at the American Chiropractic Association's Engage 2023 meeting, held January 25-28 in Washington D.C.

Dr Tucker spoke as part of a panel discussing disparities in pain care alongside panelists Dr Michael Pridham, Dr Mia Ortega, Dr Maithy Ta, Dr William Foshee and Dr Nakiesha Pearson.

ACA Engage includes a wide variety of educational offerings including presentations from respected thought leaders and compelling discussions.

Research Committee Vice-Chair honored at Parker Seminar

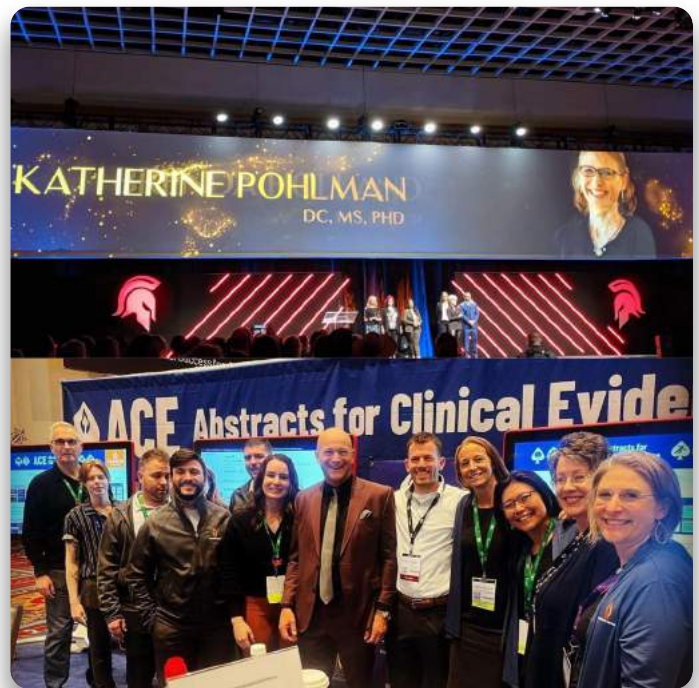
Dr. Katie Pohlman, the Director of Research at Parker University and the Research Committee Vice-Chair for the World Federation of Chiropractic (WFC), was honored by the World Congress of Women Chiropractors (WCWC) at the recent Parker Seminars event in Las Vegas that took place February 23-25, 2023.

This annual event is the largest gathering of chiropractors in the world.

Dr. Pohlman's award honored her leadership and successful contribution to the chiropractic profession.

The award, made by the WCWC, recognizes Dr. Pohlman's impressive contributions to chiropractic research, including her position as the Director of Research at Parker University.

WFC Secretary-General Richard Brown commented, "We're thrilled to see Katie honored in this way. She is a tireless advocate for research relevant to the chiropractic profession and serves as a mentor to emerging and early-career researchers. We're



Dr Pohlman (far right) was recognized at the Parker Seminar.

extremely proud to have her as a key member of our Research Committee."

Public Health Committee update

Claire Johnson DC, MEd, PhD



Dr Claire Johnson DC, MEd, PhD

To bring you the newest research on physical activity and other public health topics that are most relevant to chiropractors, the WFC has been increasing the number of posts to Facebook, Twitter, and Instagram. Please be sure to join these important WFC social media to stay up to date on these chiropractic health promotion topics.

You are invited to participate! The WFC Public Health Committee invites chiropractors from all over the world to join World Health Organization efforts to increase physical activity and reduce inactivity.

The WFC defines chiropractic as *“A health profession concerned with the diagnosis, treatment and prevention of mechanical disorders of the musculoskeletal system, and the effects of these disorders on the function of the nervous system and general health.”*

Chiropractors contribute to improving health for patients and the public by helping to keep them physically active. Not only does physical

activity support the reduced prevalence of non-communicable diseases, it can also improve mental health.

Chiropractic care normally has a positive impact on patients’ ability to be physically active. Often treatment goals include improved motion or being able to perform work or daily activities. Chiropractic care commonly includes exercise as either part of the treatment or as education for patients to do at home.

Improving physical activity is an integral outcome of what we do as chiropractors. By keeping our patients active and encouraging them to participate in recommended physical activity levels, chiropractors contribute to improving health globally.

The WFC PHC invites you to join this Physical Activity Public Health campaign. Please visit the WFC website for more information or click here bit.ly/PhysActive to sign up and receive updates about chiropractic and physical activity.



2023 WFC WORLD SPINE DAY COMPETITION



Get involved for a chance to WIN!

Here at the WFC, we want to hear how you have celebrated World Spine Day 2023 in your local community.

Whether you're a WFC member, national association, educational institution or independent chiropractor or clinic, tell us what you've done to make an impact on World Spine Day.

We will be recognizing the best projects and activities, so be sure to take plenty of photographs when you share your stories with us.

Information can be found on the WFC website at wfc.org.

Professional associations

First prize: US\$600

Runner up: US\$300

Educational institutions

First prize: US\$600

Runner up: US\$300

Clinic/individual practitioner

Best entry: US\$500

Send in your competition entries by **November 24, 2023** to **wsdcompetition@wfc.org**.

Winners will be featured in the January 1, 2024 issue of the WFC Quarterly World Report.

AECC University College welcomes students from Malaysia's International Medical University

AECC University College recently welcomed 14 Final Year Chiropractic students from the International Medical University for a two-week mobility program.

The students enjoyed a comprehensive and varied program, meeting members of staff and students from across AECC University College's multidisciplinary community.

This included observing Fourth Year students treating patients in AECC University College's (AECC UC) on-site Chiropractic Clinic, attending anatomy workshops with Chiropractic students in the human cadaver laboratory, and clinical imaging lectures with our DACBR and ultrasound experts.

IMU students also participated in Rehabilitation skills workshops in the University College's £4.5million on-site Integrated Rehabilitation Centre delivered by chiropractic and exercise and health lecturers.

Vice-Chancellor of AECC UC, Professor Lesley Haig, said: "We were very pleased to welcome students from IMU onto campus, to meet and learn with our multidisciplinary student and staff community.



IMU students gaining experience at AECC UC

"IMU and the University College continue to celebrate a strong partnership with a shared commitment to providing excellent education and training in chiropractic.

"We are proud of our vibrant international student community at AECC University College, and the collaboration that we encourage and enable between the different professional groups who study, practice and research here.

"Studying with peers from different countries and backgrounds creates opportunities for our students to share ideas and get fresh perspectives, all whilst making lasting relationships with fellow students from around the world.

Head of the School of Chiropractic, Philip Dewhurst, added: "This has been a fantastic opportunity for our Chiropractic students. The visit from IMU gave us the chance to connect with students from Malaysia, sharing our educational practices with them and learning from them in turn."

IMU is the only university to offer a chiropractic degree program in Malaysia, as well as in all of Southeast Asia, and its Chiropractic curriculum has been developed to meet high international standards.

IMU students who complete three years of undergraduate study at IMU, become eligible to transfer to AECC UC with direct entry into the MChiro degree, allowing them to study two further years and be awarded an AECC UC degree. IMU Programme Leader, Dr Yi Kai Wong said: "IMU is pleased to work with AECC UC as a mobility and articulation partner. This partnership allows for greater collaboration between the two institutions and creates opportunities for students to benefit from a wider range of educational experiences."

Hong Kong College of Chiropractic launch announced

McTimoney College of Chiropractic in the United Kingdom is offering a four-year Master of Chiropractic program in Hong Kong (Registration No. 253263). The program is designed to meet the needs of the Hong Kong community for chiropractic care and to serve the wider population of Hong Kong. This course is the first chiropractic course in Hong Kong and the Greater China region.

First Chiropractic Course in Hong Kong

Currently, all chiropractors practicing in Hong Kong graduate from overseas, as there are no chiropractic programs in Hong Kong's universities and tertiary institutions, and students who wish to study chiropractic can only do so abroad. In March this year, McTimoney College of Chiropractic, a

UK-based chiropractic college with 50 years of quality teaching experience, will collaborate with Universal College of Higher Education to offer a four-year Master of Chiropractic program in Hong Kong. The program integrates academic, practical and clinical components to nurture chiropractors in a holistic manner. Hong Kong students can stay in Hong Kong to pursue a Master of Chiropractic degree and the course fees are lower than those of overseas studies.

International and Local Recognition of Chiropractic Qualifications

The World Health Organization (WHO) officially endorsed the World Federation of Chiropractic (WFC) in 1997 and published the "Guidelines on Chiropractic Training and Safety" in 2005,

continued



McTimoney College of Chiropractic COO, Matthew Green, with Principal Prof. Christina Cunliffe and CDAHK Chair, Dr Eric Chu

Hong Kong College of Chiropractic launch announced (continued)

recognizing the effectiveness and professionalism of chiropractors. In 1993, the Hong Kong Chiropractors Council was established. Chiropractors registered in Hong Kong are recognized and regulated by the laws of Hong Kong as medical professionals.

Graduates in Employment within One Year after Graduation

The Master of Chiropractic degree of McTimoney College of Chiropractic is accredited in the UK by the General Chiropractic Council and the European Council for Chiropractic Education (ECCE) 2021 Hong Kong Chiropractic Survey: Analysis of the Data, published in 2021, found that 90% of chiropractic students were in practice within six months of graduation and the remaining 10% were in employment within one year of graduation*. The survey also indicated that a potential monthly income of registered chiropractors is up to HK\$300,000[^], while their monthly income starts at around HK\$30,000.

Growing Demand for Chiropractic Care

Chiropractors advocate treatments for a wide range of conditions to relieve pain without injections, surgery or medication, and this is gaining increasing support from patients.

According to the Chiropractors Council, there are only about 300 registered chiropractors in Hong Kong, including those who do not practice in Hong Kong. The 2021 Hong Kong Chiropractic Survey: Analysis of the Data points out that the average number of patients treated by Hong Kong chiropractors is higher than that of those practicing overseas[#], indicating that there is a great demand for chiropractors in Hong Kong and an increasing demand for chiropractic care.

About the College

Established in 1972, McTimoney College of Chiropractic is one of the oldest chiropractic colleges in the UK and has been graduating chiropractors for over 50 years. McTimoney College of Chiropractic is part of the College of Health and is validated by



Professor Christina Cunliffe, Principal, McTimoney Chiropractic College

Ulster University, a prestigious public University in the UK. It delivers a wide range of undergraduate and postgraduate chiropractic programs, and in Hong Kong offers its four-year Master of Chiropractic program (MChiro).

In addition to being a recognized training center, McTimoney College of Chiropractic runs a chiropractic clinic open to the public and receives local patients.

This arrangement gives students the opportunity to work on real cases and even treat patients under the supervision of their professors to gain extensive clinical experience.

Enrolment is now open. For details, please refer to Universal College of Higher Education (UCHE) website www.uche.edu.hk

*Quoted from P.6, Leung K, Chu ECP. 2021 Hong Kong Chiropractic Survey: Analysis of Data. Asia-Pac Chiropr J. 2021;2.3.

#Quoted from P.9, Leung K, Chu ECP. 2021 Hong Kong Chiropractic Survey: Analysis of Data. Asia-Pac Chiropr J. 2021;2.3.

[^]Quoted from P.15, Leung K, Chu ECP. 2021 Hong Kong Chiropractic Survey: Analysis of Data. Asia-Pac Chiropr J. 2021;2.3.

URL: apcj.net/papers-issue-2-3/#LeungChuHongKong

The Chiropractic Educators Research Forum (CERF) is an online forum where chiropractic educators share their insights and learn new information about research and scholarship. It is a place for chiropractic educators to engage in research and the scholarship of discovery, integration, application, teaching, and engagement. Our Mission: To build scholarship and research capacity for chiropractic educators throughout the world.



Chiropractic
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Upcoming CERF conferences CERFweb.org

Keeping It Real: Practice-relevant Education

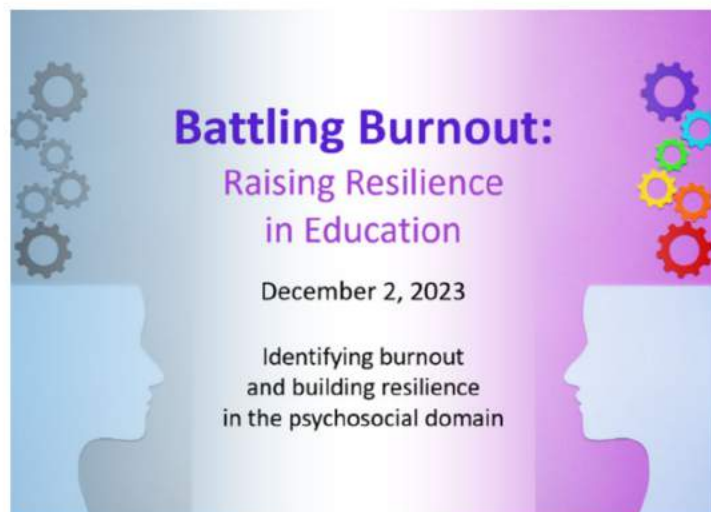
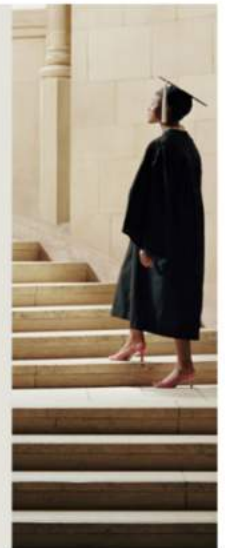
As we help our students develop their cognitive, psychomotor, and affective abilities, we must keep in mind what product we are producing. Our graduates must demonstrate competency in relevant knowledge, skills, and attitudes to practicing healthcare in a professional and evidence-based* manner. Therefore, integrating practice-relevant skills, knowledge, and attitudes is essential throughout our programs. This conference gives chiropractic educators an opportunity to present what they are doing to make their program relevant to practice. Abstracts may focus on education research related to developing competency in practice-relevant skills, knowledge, and attitudes. * evidence-based = the intersection of best evidence, clinical expertise, and patient values.

Conference **June 24, 2023**

Keeping It Real: Practice-relevant Education

June 24, 2023

Practice-relevant skills,
knowledge, and attitudes
throughout education programs



Battling Burnout: Raising Resilience in Education

Abstracts due **September 18, 2023**

Burnout is a "syndrome conceptualized as resulting from chronic workplace stress that has not been successfully managed" (WHO) and interferes with daily activities. *Resilience* is "the process and outcome of successfully adapting to difficult or challenging life experiences, especially through mental, emotional, and behavioral flexibility and adjustment to external and internal demands." (APA).

This conference gives chiropractic educators an opportunity to present what is being done to diminish burnout and build resiliency in the psychosocial domain. Abstracts may include projects related to measuring or abating burnout, or building resilience for faculty, staff, and/or students.

Conference **Dec 2, 2023**

The World Federation of Chiropractic is a sponsor of CERF

Educational leaders honored at SPCE meeting

Two leading figures in the world of chiropractic education were recognized for their outstanding service at the 2023 Annual General Meeting of the Society for the Promotion of Chiropractic Education (SPCE).

Professor Lesley Haig, Vice-Chancellor of AECC University College, was honored with the first SPCE Fellowship in recognition of her work in developing chiropractic education and advancing interprofessional relationships in her community.

Meanwhile, Dr Kenneth Vall, past Principal of AECC and the current President of the European Council on Chiropractic Education (ECCE), was recognized with an SPCE Lifetime Achievement Award.

The SPCE was established several years ago with the objective of increasing the numbers of chiropractors in the United Kingdom. Its goals are to encourage and support universities as they establish undergraduate programs to cater for the growing need for chiropractors, and to increase the awareness of chiropractic as a career at school level. It is chaired by Tim Lang, with Satjit Singh serving as Chief Executive Officer. Peter Dixon, Matthew Bennett and Grahame Pope.

Since its inception, the SPCE has seen new chiropractic programs launched at Teesside University and at London South Bank University.

While the organization was established to primarily develop chiropractic in the UK, its expertise is increasingly being sought by international stakeholders.



*Satjit Singh (CEO, SPCE), Professor Lesley Haig (Vice Chancellor, AECC UC), (recipient of the SPCE Fellowship)
Tim Lang (Chair, SPCE)*



Tim Lang (Chair, SPCE), Satjit Singh (CEO, SPCE), Matthew Bennett (Director, SPCE), Kenneth Vall, recipient of the SPCE Lifetime Achievement Award.

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International
Chiropractors
Association

CERF report: Building chiropractic educational research capacity

CERF currently has over 400 members representing the international teaching community from Australia, Brazil, Canada, Chile, Denmark, Israel, Malaysia, Mexico, New Zealand, Puerto Rico, South Africa, Spain, Sweden, Switzerland, United Kingdom, and United States. CERF is pleased to serve these regions from around the world. It is a volunteer run organization created for chiropractic program faculty, staff, and administrators to build education research capacity and to develop and advance academic scholarship. CERF thanks and recognizes WFC for its sponsorship.



Dr. Claire Johnson, CERF co-chair

CERF has its first Collaboration Project underway. Each year the CERF Collaboration Project selects one research study to complete. Educators from all over the world are nominated to engage in this collaborative

project, where learning takes place in a participatory environment. The goals are to: 1) develop knowledge and skills of educators who wish to improve their research and publication skills and experience; and 2) publish a research paper by a collaborative team of educators from international education programs.

The 2023 CERF Collaborative Research Project is focusing on chiropractic educator burnout. The team of coauthors on this project represent over 20 chiropractic programs globally. The purpose of this project is to measure the prevalence of mental stress/burnout in the global chiropractic academic population and to identify what sociodemographic variables may be associated with risk. A secondary purpose is to identify and propose ways to increase resiliency based on any identified risk factors. We aim to complete this project by the end of the year.

The Chiropractic Educators Research Forum (CERF) will be holding its sixth conference June 24, 2023, which is "Keeping It Real: Practice Relevant Education." This virtual conference will focus specifically on education research related to developing competency in

practice-relevant skills, knowledge, and attitudes. Chiropractic programs must educate graduates who demonstrate competency in relevant knowledge, skills, and attitudes to practice healthcare in a professional and evidence-based manner (ie, using the best evidence, clinical expertise, and patient values). Therefore, integration of practice-relevant skills, knowledge, and attitudes throughout our chiropractic education programs is essential.

The call for abstracts for the CERF December 2023 virtual conference, "Battling Burnout: Raising Resilience in Education," is now open. This conference focuses on what chiropractic programs are doing to diminish burnout and build resiliency in the psychosocial domain for all stakeholders. We will look at measuring or abating burnout, and building resiliency for faculty, staff, and students. WHO defines burnout as a "syndrome conceptualized as resulting from chronic workplace stress that has not been successfully managed and interferes with daily activities". Abstract submissions are due September 18, 2023.



Chiropractic
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Positioning Chiropractic Care as a Back Pain Value Option for Employee Benefit Packages

New article and How to Guide from Foot Levelers provides valuable information, guidance and tools to help chiropractors promote their care to local employers.



Foot Levelers is proud to announce the publication of "Impact of Back Pain in the Workplace" exclusive to The Journal of Compensation and Benefits. The article, written by Kent S. Greenawalt, Chairman and CEO, Foot Levelers, examines the prevalence of back pain among workers of all ages and how it impacts a company's productivity and bottom line. It presents non-invasive chiropractic treatment as a value option on a company's employee benefit package, for safer, more cost-effective care than expensive medications and surgery that come with significant risks and no guarantee of success.

Back pain is one of the most common medical conditions and its spiraling financial burden affects companies of all sizes.

Adults with back pain are more likely to use healthcare services, contributing to missed days of work, diminished productivity and future disability payments. Human resource professionals are seeking new care resources as they design their benefit plans, and chiropractors are in an ideal position to offer their proven treatments as a better solution for issues associated with back pain.

The average U.S. employer cost for employee healthcare is expected to double to more than \$13,800 per associate this year, causing decision-makers to re-evaluate their benefits packages. Learn how to position chiropractic care as a cost-effective alternative.

A key element to successfully treating back pain is evaluating and addressing dysfunction of the feet, which is often the root cause. Foot Levelers custom flexible orthotics are the only ones that support and stabilize all three arches of the foot, restoring proper balance and alignment of the entire body.

They are proven to reduce lower back pain by 34.5% and are a natural, proactive complement to effective chiropractic care and greater patient satisfaction. Foot Levelers are backed by numerous scientific studies and have been trusted by chiropractors around the world for over 70 years.

*Cambron JA, Dexheimer JM,

Duarte M, Freels S. Shoe orthotics for the treatment of chronic low back pain: a randomized controlled trial. Arch Phys Med Rehabil. 2017 Sep; 98(9): 1752-1762.

Along with the article, Foot Levelers is providing a **How to Guide**. This useful resource shows chiropractors how to best utilize and share the material in the article, along with guidelines on positioning themselves to employers in their community as the optimal back pain care resource in the area. The **Guide** includes:

- Outreach email, social media and press release templates
- Phone call talking points
- FAQs
- Onsite visit and employer presentation guidelines
- Much more

Get your complimentary "Impact of Back Pain in the Workplace" article.

Get your complimentary "How To Guide."

To learn more about partnering with Foot Levelers, please visit footlevelers.com or call 800.553.4860.



Grand opening of new digital lab at Northeast College

Adding yet another learning environment to its expansive campus, Northeast College of Health Sciences opened a new digital anatomy lab featuring the most technologically advanced tools for teaching human anatomy.

Guests at the Digital Anatomy Lab's Grand Opening on January 19, 2023 were able to get hands-on demonstrations of the College's newest Anatomage virtual dissection tables, explore the lab space, and learn the space's official name: the Computerized Anatomy Resource Lab (aka The CARL).



Students, faculty and guests at the grand opening of the Computerized Anatomy Resource Lab (CARL)

Attendees included faculty, staff and students, as well as special guests Dr. Michelle Reed, Superintendent of Seneca Falls School District, Seneca Falls Town Manager Dr. Pete Soscia and Anatomage representative Mark Hirsh.

In addition to the already-installed Anatomage Table in the College's Library, The CARL digital anatomy lab features four new Anatomage-8 tables, the most technologically advanced 3D anatomy visualization and virtual dissection tool available. In addition, the space houses an additional portable Anatomage unit known as Table Clinical.

The stationary tables highlight 3D visuals of real



Demonstration of the Anatomage table

human cadavers, which can be mirrored on jumbo display screens on the lab wall, further enhancing the learning experience. Plus, the portable unit can be wheeled right into classrooms across campus to support lectures and coursework.

The Anatomage human anatomy system has been popular with Northeast students since the College introduced its first Anatomage Table in the Summer of 2022.

The CARL will be available to students in addition to the College's traditional method of learning about the body with the use of human cadavers, a cornerstone of the College's health sciences education.

"At Northeast College, we have always embraced time-honored methods of health science instruction, like human cadaveric dissection, while welcoming new technologies that give our students the academic diversity needed to succeed in today's healthcare marketplace," said Northeast College President Dr. Michael Mestan during the grand opening.

"Today, we see the best traditions are merging with the latest technologies as we progress into the integrated and collaborative future of healthcare."

Logan University names new College of Chiropractic Dean

Logan University recently announced that Dr Kristina Petrocco-Napuli has been named Logan's Dean for the College of Chiropractic.

Dr. Petrocco-Napuli has served as the interim Dean for the past six months and, leading up to that, as Assistant Dean for the College of Chiropractic.

Dr. Petrocco-Napuli completed her chiropractic degree from New York Chiropractic College (NYCC), and achieved a master's degree in Instructional Design, Development and Evaluation from Syracuse University.

She currently maintains adjunct status for helping co-develop the NYCC's Master of Science in Human Anatomy and Physiology Instruction program.

Dr. Petrocco-Napuli is the President of the ACA Council on Women's Health and was recently elected a Fellow in the International College of Chiropractors.

In January 2022, Dr. Petrocco-Napuli was elected to a two-year term as Chair of the Council on Chiropractic Education.

Women's health has been Dr. Petrocco-Napuli's focus for more than two decades. She has also focused on the integration of practitioners in the patient centered model of care and on evaluating methods of effectively working on a team of healthcare professionals.

In her new role as Dean of the College of Chiropractic, Dr. Petrocco-Napuli will provide strong, effective, approachable, and communicative leadership consistent with the mission and values of Logan University and the Baldrige Quality Excellence Framework. Logan



Kristina Petrocco-Napuli is the new Dean of the College of Chiropractic at Logan University

looks forward to continuing to tap Dr. Petrocco-Napuli's knowledge and expertise as she focuses on strategic goals and objectives in a clear, measured way for current and future Doctor of Chiropractic students.

Logan College of Chiropractic is a school of Logan University, a full health sciences university offering a range of health professions education and training.

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UNIVERSITY**
LEADERS *Made*

Chiropractic at Teesside University: putting public health on the agenda

Encouraged by the WFC's mission to advance integration internationally, WFC Public Health Committee Dr Faye Deane, supported by course leader Daniel Moore, recently won an institutional Seed Corn grant to enhance the public health component of the MSc Chiropractic degree at Teesside University. This involved flying two eminent academics from Santiago, Chile, to the U.K., for a week's Professorial visit during February 2023.

Professor Baltica Cabieses is an eminent researcher and Director of a Global Public Health research center at Universidad del Desarrollo. She has a wealth of experience to share which includes being co-leader of the

Lancet group examining migration in Latin America. Associate Professor Manuel Espinoza is an expert in health economics and health policy, and consultant to the Chilean government. He is an Associate Professor at Pontificia Universidad Católica de Chile (the number one university in South America according to QS World rankings) and brings with him vast experience managing health policy into practice across much of Latin America. He was instrumental in the passing of a new law integrating chronic pain into the country's public health strategy.

Throughout the week, Professors Cabieses and Espinoza presented to students

across the institution via a series of in-person and online public health and research seminars/workshops across multiple health courses.

The visit also encompassed meetings with the Pro-Vice Chancellors of Research and Innovation and International relations from Teesside University.

The research impact of the visit was based heavily on the sharing of knowledge and procedures between universities and plans are afoot to develop undergraduate education through international links, cross-discipline conversation, student conferences and interprofessional learning.



L>R: Paul Chesterton, Faye Deane, Manuel Espinoza, Baltica Cabieses, Stephen Cummings, Jeff Breckon and Daniel Moore.

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Successful seminar increases pediatric knowledge among chiropractors in Malaysia

The Diplomate of Australian College of Chiropractic Paediatrics (DACCP) program provides chiropractors with the skills and knowledge necessary to provide safe and effective chiropractic care to infants and children.

In Malaysia, a three-day seminar aimed at increasing pediatric knowledge among chiropractors was led by Dr. Braden Keil, Dr. Christian Fludder, and Dr. Jenelle Bourgeois.

Module 1 provided an introduction to the DACCP program and covered the basics of pediatric chiropractic care. The module discussed the different aspects of pediatrics that chiropractors need to know to give appropriate care and elaborated on the different phases of human development.

Module 2 focused on serious illnesses in children, neonatology, and newborn physical examination, including spinal issues in babies.

Module 3 provided detailed explanations on the safety precautions chiropractors should take when handling infants and children.

The seminar included virtual and physical presentations from experienced chiropractors who specialize in pediatric care. Study materials were provided to participants beforehand to familiarize themselves with the program's content. The seminar also included interactive sessions that allowed participants to practice the evaluation and treatment techniques covered in the program.

The seminar was well-attended by 58 chiropractors from all over Malaysia who were interested in expanding their knowledge and skills in providing chiropractic care to the pediatric population. The program's content, expert speakers, and interactive sessions provided valuable knowledge and skills to chiropractors to ensure they are competent in providing safe and



effective chiropractic care to infants and children.

In conclusion, the seminar was a successful event that helped further the development of pediatric chiropractic care in Malaysia. We recognize the importance of continuous education and the sharing of knowledge among chiropractors worldwide.

Chiropractic education in Brazil undergoes rapid expansion

Chiropractic education in Brazil is experiencing a period of rapid expansion, with three new institutions offering programs in addition to those at Feevale and Anhembi Morumbi Universities.

Paulo Gomes de Oliveira Neto, Coordinator of the Bachelor of Chiropractic - UNIGAMA in Rio de Janeiro Brazil reports positive growth in student numbers on the new Bachelors degree, with 65 students and a strong commitment to train high quality chiropractic health professionals in Brazil.

At the Associação Brasileira de Quiropraxia (ABQ) Congress, three professors were recognized by the association, making UNIGAMA the recipient of the highest number of awards for 2022.

New classes have also commenced their 2023 studies at UCEFF (Chapecó), Feevale (Novo Hamburgo), University Anhembi Morumbi (São Paulo) and a brand new program that has just commenced at FAMETRO (Manaus).

There are approximately 600 chiropractors currently practicing in Brazil, the most populous country of Latin America. Brazil has the fifth largest population on earth (217m), accounting for over one third of Latin America's population.

The national association, and WFC Member for Brazil, is the ABQ,



Above and below. Students and faculty at one of Brazil's newest chiropractic programs, Unigama, prepare for the new semester.



whose president is Dr Daniel Facchini. The ABQ was founded in 1992, with its first president being Dr Sira Borges. Other presidents have been Dr Eduardo Bracher, Dr Ricardo Fujikawa, Dr Juliana Piva, and Dr Roberto Belier Filho.

NWHSU scoops SACA Chapter of the Year at ACA Engage

Northwestern Health Sciences University's (NWHSU) SACA Chapter was awarded Chapter of the Year at the American Chiropractic Association (ACA) Engage Convention in January.

Hannah Goltz, chapter president, was elected SACA National Chair at the conference, chosen out of over 3000 students. "It's an honor to be stepping into the role of SACA national chair. As innovative, evidence-based chiropractic students, we are so much stronger together," shared Hannah.

"Every student not only has a seat at the SACA table, but more importantly, a *voice* at the table. I'm excited to embrace differences in thought and experiences to ultimately band together and continue to advance the profession."

Nine NWHSU students attended the conference in Washington, D.C., where they also lobbied on the Hill for the bill to expand chiropractic coverage under Medicare and improve patient access to services.

Looking ahead, NWHSU's SACA chapter will continue their national leadership, hosting the SACA Leadership Conference in October. Students Sebastian Bergeron and Kit Harlow will co-host and have chosen the theme "integrative health care." "Our goal is to feature other health care professions like massage and acupuncture, along with collaboration and team-oriented



Hannah Goltz (L) with other members of the NWHSU SACA Chapter

approaches to care," said Kit Harlow.

At the last SACA Leadership Conference, hosted in Portland last September, Hannah Goltz and Mikaela Lengwin (NWHSU SACA legislative representative) were awarded the Outstanding Service award for their contributions to the association.

Students at NWHSU are strongly encouraged to engage in advocacy and national discourse on chiropractic care. Katie Burns Ryan DC, Dean of the College of Chiropractic, is proud of the chapter's engagement. "We're training the future leaders and change makers of the chiropractic profession," she explained. "This SACA leadership team is excelling on a national level, and I cannot wait to see the impact they make on the profession as future doctors."

Chiropractor selected for inaugural UWS faculty award

A chiropractor has been selected for one of the inaugural University of Western States Faculty Members of the Year award. On receiving the award, Carrie Ebling, DC, LMT from the UWS College of Chiropractic, said:

"I'm so grateful to have been selected by my peers for this award,"

"The support of administration has allowed me to further my education in teaching methods, which I have had the freedom to implement in the classroom.

"I am truly honored and love that I get to share my passion for chiropractic with so many amazing students."

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Regional WCCS in Mexico hailed as great success



The World Congress of Chiropractic Students (WCCS) hosts an annual regional event. Last month the event was hosted by the WCCS Chapter from Universidad Veracruzana in Mexico. The event was organized by Benjamin Chimal (President), Alison Zapata (Secretary), Carmen Guevara (Treasurer), Jose Rebolledo (Director of External Affairs), Fernanda Escobar (Director of Internal Affairs), Fátima Hernández (Director of Public Relations) and Diana Nápoles (BOD Secretary, Director of Americas).

This event was a huge success with 30 students attending from Mexico and the Université du Québec à Trois-Rivières. Quality speakers, Dr Francisco Diez, Dr Saul Luengas, Dr Stephany Remi and Dr Noe Velázquez and Dr Jose Saldaña

provided great clinical information, while three Sports Chiropractors provided experience and wisdom: Dr Mercedes D'Acosta, Dr Jorge Segall, and Dr Raul Carrillo. Philosophy teaching was provided by Dr Cristina Carrillo, Dr Alberto Isita and Dr Simon Senzon, with an art focus provided by Dr Adrian Zarco.

Dr Jorge Castillo, Coordinator of the Chiropractic Career in the Faculty of Medicine from UV, joined the meeting.

Dr Enrique Benet was recognized as the chiropractor of the century, particularly in respect of founding and developing chiropractic education, obtaining regulation for chiropractic and improving the conditions for chiropractors to practice.

145 years of service celebrated at Logan

Three Logan College of Chiropractic faculty members recently celebrated a combined 145 years of teaching at Logan University: Roy Hillgartner, DC ('69), instructor, pictured (L); John Gutweiler, PhD, professor (C); and Richard Cranwell, DC ('76), MS, DACBN, professor (R). A campus celebration was held in their honor in December.

Meanwhile, Logan welcomed Cynthia Sutton, Director of Alumni Relations, and Amber Henry, EdD, Director of Continuing Education, in fall 2002. Both bring decades of experience in higher education and a collaborative partnership to engage and inform Logan alumni. Learn more at Alumni Relations and Continuing Education .



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European WCCS meeting held at McTimoney College

In March, the McTimoney College of Chiropractic (MCC) was very pleased to have the opportunity to host the European Regional meeting for the World Congress of Chiropractic Students (WCCS) in Madrid, Spain, enabling existing MCC Oxford and Manchester students to engage with the new Madrid students and build new connections now afforded by a multi-site, multi-country education model. In addition, they were joined by students from other chiropractic colleges in Europe, including



Students at the WCCS European regional event

students from the chiropractic school at the University of Zurich, which facilitated learning about different educational models and ways of working.

After the WCCS business was done, the following weekend saw the college host a conference which was open to students and chiropractors alike, with an opportunity to observe the interaction between the profession and the chiropractors of the future as they learned about the science, art and philosophy of chiropractic in an enjoyable and collegiate environment.

Parker's William Morgan presented with Congressional Veteran Commendation Award

Dr. William E. Morgan, President of Parker University, has been awarded the 2022 Congressional Veteran Commendation Award for the Twenty-Fourth Congressional District of Texas.

The Congressional Veteran Commendation is a nominations-based program designed to recognize the wartime sacrifices and peacetime community involvement of residents of this congressional district of Texas. Honorees are exceptional Americans in every way.

In recognition of this award, Parker University hosted a Veterans Recognition Luncheon, where Congresswoman Beth Van Duyne and other dignitaries presented several Congressional Veteran Commendations.

Parker University said, "This award recognizes the community's appreciate for Dr. Morgan's service to the United States and his ability to make sacrifices for others to make the Twenty-Fourth Congressional District of Texas a better place."



Congresswoman Beth van Duyne speaking at the event.

Recognition for Mexican National Director of Sport at Parker Seminar



L>R: Dr Michelle Krenek, Dr Raul Carrillo, Dr William E. Morgan and Dr Robert Kip,

A leading sports chiropractor and government politician has been recognized for his service at the recent Parker Seminar.

Dr Raul Carrillo, a graduate of North Western University of Health Sciences, was the recipient of the 2023 Chiropractor of the Year Award during a glittering ceremony at February's Parker Seminar, held in Las Vegas, United States.

He serves as the National Director of Sport in the Sports

Ministry of the Government of Mexico.

A veteran of numerous Olympic Games, Dr Carrillo has spent much of his career working with elite athletes and is highly respected in his home city of Monterey and throughout the country.

Last year, Dr Carrillo led the local organizing committee for the FIMS World Congress of Sports Medicine, where almost 15% of the invited speakers

were members of the chiropractic profession.

Dr Carrillo is a champion of high quality professional standards in sports medicine in general and chiropractic in particular.

In his home state, he leads a team of highly respected practitioners, but also enjoys close relationships with many high profile figures in sports medicine, including the US Olympic Team.

Logan University's Master of Science in Integrative Pediatrics program celebrates first cohort

Elise Hewitt, DC, DICCP, FICC, is the founding program director for Logan University's Master of Science in Integrative Pediatrics (MS-IP), the first master's degree in pediatrics in the United States designed for chiropractors.

A board-certified pediatric Doctor of Chiropractic and one of the foremost authorities in the specialty of chiropractic pediatrics, Dr. Hewitt has focused her 34-year career on improving children's health with chiropractic care. She served as President of the American Chiropractic Association (ACA) Pediatrics Council for 10 years and was recently named Academician of the Year by the ACA in recognition of her work to advance the profession through academic or educational excellence.

Now, one year after the MS-IP program's inception, Dr. Hewitt says, "Seeing the program move from the space in your mind into reality has been magical. It didn't seem real at first since we spent so long creating this program. It's been incredible to have a real cohort enrolled and going through the program."

Dr. Hewitt has loved getting to know this group of students, who hail from four countries and bring unique perspectives to the course discussion boards. "There is a strong sense of community in the program, even online," she said, adding that students come to campus for several days once a year where they practice the hands-on techniques in person with their instructors. "These sessions help make sure students can apply manual therapies to pediatric patients effectively and safely. They're also an opportunity for students to come together in-person to deepen that sense of community and enhance the learning experience."



Dr. Elise Hewitt is the program director for the MS in Integrative Pediatrics program

Looking forward, Dr. Hewitt says her hope is that these students will be the ones to carry this specialty into the future, as the field is still very much under development. "For now, my dreams are centered around growing the program, learning from each term, getting feedback from students, and improving the program any way that we can."

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Swiss chiropractors form new research foundation

The first constituting meeting of the Swiss Foundation for Chiropractic Research took place on 14 March 2023, with Dr Longin Korner being elected as its first president..

The Foundation's key objective is to promote research in the field of musculoskeletal disease and health with a focus on chiropractic care.

As a not-for-profit organization, all surplus funds and capital will be dedicated exclusively to meeting the aims and objectives of the Foundation.

Dr Korner commented, "The next steps are for us to draft a clear vision and strategy, to determine guidelines for general business policy, to elect the advisory board and to start the fundraising process. The foundation is open to work collaboratively with institutions that promoting the same or similar purposes."



Dr Longin Korner is the president of the Swiss Foundation for Chiropractic Research

Opportunity to join international evidence-based clinical practice skill development program at CMCC, July 13-15, 2023, in Toronto

By Dr. Craig Jacobs, CMCC, Director Clinical Education and Patient Care, PIE 2023 Planning Committee

On behalf of this year's Process of Integrating Evidence (PIE) for complementary and integrative health (CIH) educators planning committee, I'd like to give you a look at how the agenda and conference are developing and how and why I personally am so invested and involved.

Why PIE?

We are excited to be back in person and to be holding this important event from my home base at CMCC in Toronto. In 2015, Dr. Tony Tibbles and I

traveled to Palmer for our very first PIE Conference and came back energized and inspired by the strides that Palmer had made in curricular development and training of Evidence Based Practice (EBP) skills for faculty and students.

We returned to CMCC with concrete tools and strong new peer networks and began to make improvements within our own program and arm our clinicians and students with the skills needed to help their patients in the best way possible, particularly in an age of ever-increasing

continued

Opportunity to join international evidence-based clinical practice skill development program at CMCC, July 13-15, 2023, in Toronto (continued)

information. We were so impressed with the conference that we returned to PIE in 2017 at Northwestern Health Sciences University and again in 2021 at Parker. Each time we returned inspired by our colleagues. Each time, we came back with more knowledge in this exciting field.

As luck would have it, I had another opportunity to surround myself with experts in the field at McMaster University in Hamilton, Ontario. So, in June 2022, I jumped at the chance to attend their final Evidence Based Clinical Practice (EBCP) Workshop.

The McMaster EBCP Workshop is considered by many the fountainhead for EBP skills and PIE is based on the structure of the McMaster Program.

Now that McMaster has wound down, we are thrilled at CMCC to pick up the torch and pass along the wealth of talent and knowledge we have here in Canada to all of you around the world.

A Gathering of World-renowned Leaders

Dr. Gordon Guyatt, one of the world's leading authorities in EBP, has graciously agreed to be the keynote speaker. He will focus on how to tell a trustworthy from an untrustworthy guideline, an essential skill for busy clinicians.

Drs. Jason Busse and Enas el Gouhary also from McMaster University will further help you to hone your EBP skill development.

Dr. Carol Cancelliere, the project lead for the Canadian Chiropractic Guideline Initiative, will share the story of how the World Health Organization's new guidelines for low back pain were developed from start to finish.

Dr. Pierre Côté will then guide you through improving shared decision making in complex cases. We are among giants in this field.

And that is just the beginning! Educators, clinicians and administrators can choose from two tracks:

teaching and administrative.

Sessions are delivered in small groups with EBP facilitators for interactive skill development and sharing of information.

So, whether you teach in a classroom, work with patients, or oversee curricular and program development, we have something just for you. As well, we have developed a series of interactive workshops that you can choose from depending on your area interest.

We Look Forward to Sharing PIE

On behalf of the PIE 2023 Planning Committee, comprised of EBP thought leaders from Parker University, Palmer College of Chiropractic, Northwestern Health Sciences University, University of Western States, National University of Health Sciences, McMaster University, Logan University and of course, CMCC, we invite you to join us and others from around the world in Toronto this July for what will be an incredibly enriching, interactive growth opportunity for the profession.

Full details are available at www.thepieconference.org.

Note: Limited stipends are available courtesy of the NCMIC Foundation.

Registration closes on May 15th, so secure your spot today!

CMCC thanks the World Federation of Chiropractic, NCMIC, the Canadian Chiropractic Protective Association and the Canadian Chiropractic Association for their generous support.



Process of Integrating Evidence (PIE) for CIH Educators

Thursday, July 13 to Saturday, July 15, 2023
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www.thePIEconference.org

A highly interactive three-day experience for teachers and administrators in complementary integrative health education.

Keynote speaker is Dr. Gordon Guyatt, McMaster University.

Register for the Teaching or Administrative Track:

- The teaching track is for classroom and clinic educators who will benefit from small group work, prepare and deliver an evidence-based practice (EBP) teaching module and receive supportive feedback.
- The administrative track is for curriculum support personnel who will benefit from a blend of basic EBP education and strategy development, focusing on institutional initiatives and cultural change resources.

Both tracks will attend keynote, plenary and interactive workshops led by international leaders in EBP education.



Stipend Application - Closes April 3
Event Registration - Closes May 15

Secure your spot now. Visit www.thePIEconference.org for details.

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Danish study questions relevance of MRI in low back pain

A group of Danish researchers has reviewed the use of MRI in patients with low back pain (LBP). The study, published in Danish in the Danish journal 'Ugeskrift for Læger' (Danish Medical Journal), provides an overview of the clinical relevance of degenerative MRI findings in the lumbar spine.

In the management of patients with LBP, MRI is the imaging modality used most often, as it visualizes relevant anatomical details such as intervertebral discs and nerves better than, for example, examinations with X-ray and CT.



Most patients who experience problems with acute episodes of LBP experience improvement after a short time. Even though clinical guidelines advise against the routine use of MRI in the diagnosis of LBP, the use of MRI has been steadily increasing in the past decade, and in 2021 approx. 85,000 MRIs of the lower back were performed in Denmark, an increase of more than 20% since 2013.

The association between degenerative MRI findings and LBP is relatively consistent at population level, and though degenerative changes occur in both symptomatic and asymptomatic individuals, the prevalence of degenerative MRI findings is higher in patient populations than in general populations.



However, in most cases the associations are weak to moderate and cannot necessarily provide a causal explanation for the individual patient.

There is no scientific evidence that the diagnostic use of MRI has a positive influence on patient-reported outcome measures such as pain or function, and MRI cannot be used to guide specific treatments for patients with LBP.

There is very little research on the prognostic value of MRI findings and based on the current evidence there cannot be drawn any conclusions on MRI findings as predictors of future LBP.

MRI in patients with LBP is only recommended in case of progressive neurological deficits, suspicion of specific pathology or failure to improve after a course of conservative treatment.

The study was conducted by Line Dragsbæk, Tue Secher Jensen, Bodil Arnbak, Janus Laust Thomsen, Susanne Axelsen, Christin Isaksen, Estrid Muff & Rikke Krüger Jensen.

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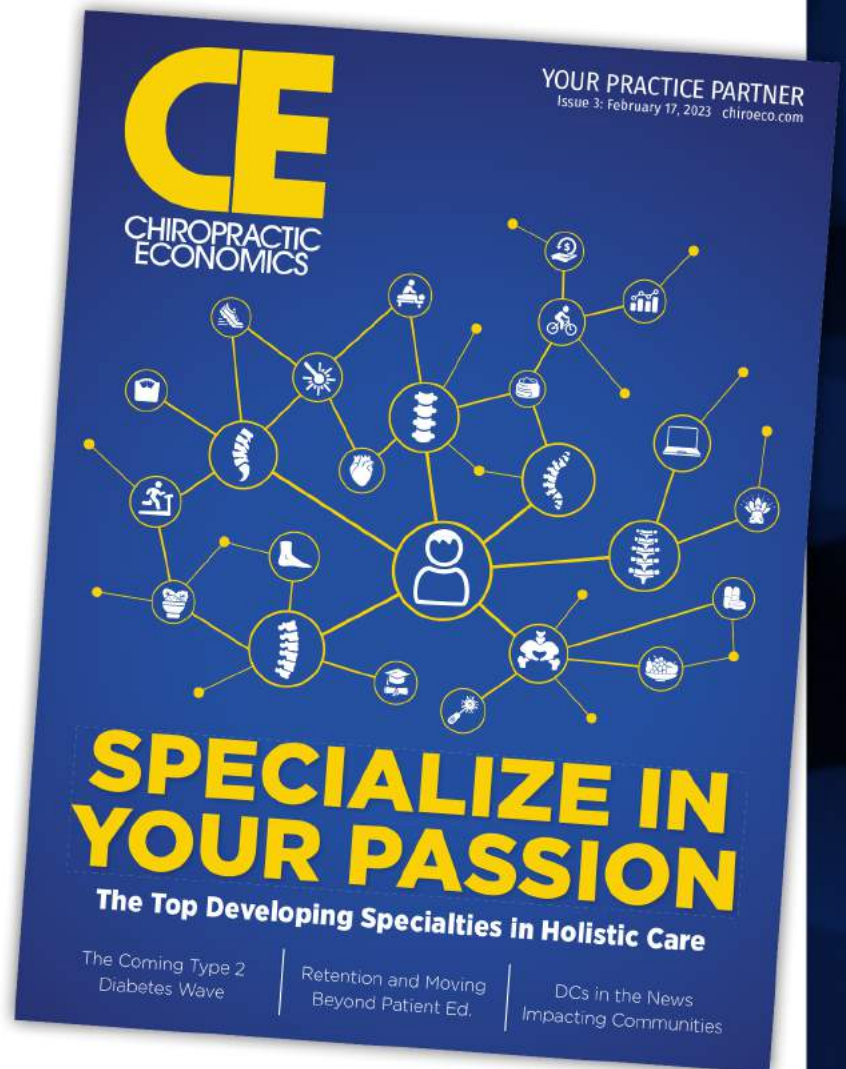
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CCRF: The power of partnership

Part 1 in a 4-part series

In the fall of 2020, the Canadian Chiropractic Research Foundation (CCRF) sat down to consider how it could bring greater value to patients, supporters and the profession.

Background

CCRF was established in 1978, making it one of the first research foundations of its kind. By the turn of the century, CCRF had begun to establish chiropractic research chairs and professorships at every major Canadian university. This would eventually embed chiropractors in multidisciplinary research teams where some of the country's most prestigious studies were being conducted, while simultaneously forming key interdisciplinary relationships. By 2018, with this major milestone firmly established, the foundation determined it was time to build on this success and invest directly in high-impact projects.

The Question

How could one modest research foundation grow its funding to support a range of evidence-based research projects designed to assist various stakeholders, from patients and insurance decision-makers to government policymakers and practicing clinicians?

Additional funding through the already generous contributions of national and provincial associations was possible but would provide only limited growth. Individual contributions were another important option; however, it was recognized creating success in this area would take a few years. Thus, with a "funding pie" of a certain size, CCRF knew it needed a fresh approach.

The Answer

Let's make a bigger pie, or perhaps more correctly, bake some new pies. This metaphor helped CCRF recognize a balanced approach was



Robert Harris MBA, CCRF Executive Director

needed an approach which would ensure contributions from *within* the profession were combined with meaningful assets from *outside* the profession.

"Our solution was to create a new volunteer-led committee to identify and develop relationships that would expand our reach," notes foundation chair, Dr. Chad Kulak. "Our vision was to develop innovative funding opportunities with organizations whose priorities aligned with our mandate."

Partnership In Action

And so, in the Fall of 2020, CCRF added a Partnership Committee (PC) to its roster. Its mandate: to establish working relationships with select corporate, institutional and government entities to achieve reciprocally beneficial outcomes.

"The PC was created to be a dynamic collaboration hub to grow CCRF capacity and expertise alongside

continued

CCRF: The power of partnership (continued)

key institutional allies,” says Executive Director, Robert Harris. The PC complements the amazing work of our Fundraising Committee (FC), who encourage donations from our valued individual supporters. Taken together, these efforts provide higher revenues to support research grants.”

“I’m so proud of what we’ve accomplished in just two short years, despite the pandemic,” says Dr. Sasha Hamid, PC chair. “We’ve already signed Collaboration Agreements with the Temerty School of Medicine at the University of Toronto, the Chronic Pain Centre of Excellence for Canadian Veterans (CPCoE) and the Saskatchewan Health Research Foundation (SHRF). I’m also pleased to say we expect to have more exciting announcements soon!”

Measuring Success

CCRF partnerships follow a straightforward process where shared goals and shared resources equate to shared success (please see the visual for a summary).

After identifying a prospective partner, initial discussions take place to explore needs, goals



and resources. If both parties agree good potential exists, then a Collaboration Agreement (CA) is drafted, reviewed and finalized. CA's are non-binding documents which articulate the intention of both parties to work together, using quarterly meetings to develop specific initiatives. These initiatives typically fall into four key areas:

- Financial (e.g., grants, matching funds, in-kind support),
- Personnel (e.g., volunteers, pro bono work),
- Marketing (e.g., enhanced promotion, brand expansion, joint proposals) and
- Knowledge Transfer (e.g., access to high-value information, technology or events)

“Once a collaboration agreement is signed, we work together to create practical proposals which advance the strategic goals of both organizations,” says Robert Harris. “For example, we’ve recently completed our first co-sponsored grant competition with our colleagues at the Foundation for the Royal Canadian College of Chiropractic Sports Sciences – Canada (FRCCSS-C). Through this alliance, we were able to mutually award over \$75,000 to four very deserving studies; including a learning module for the treatment of concussion in adults and children as well as a tool kit for general practitioners to help their athletic clients return to play.”

“The Partnership Committee generates income and concurrently acts as an incubator of ideas,” Dr. Hamid adds. “It’s become a catalyst for novel thinking, while also enforcing suitable levels of control. It brings in new revenue opportunities and advances the reach of our profession. It’s also a natural fit for new volunteer leaders, activating strengths in areas such as consensus building and advocacy. In a nutshell, everyone wins as our PC activates creativity, skill development and revenue growth.”

Next: The Anatomy of Partnership. Coming in the Summer Edition of Quarterly World Report.

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Publication in Nature concludes rarity of severe SMT-related adverse events

A retrospective analysis examining nearly one million chiropractic treatment sessions has concluded that severe adverse events occur in fewer than one in 100,000 spinal manipulative treatments.

Patients with SMT-related adverse events were identified over a 5 year period using data from 30 clinics in Hong Kong. Data was extracted from

complaint logs, patient surveys, complaints and clinician reported events.

Among 960,140 SMT sessions for 54,846 patients, 39 AEs were identified, two were grade 3, both of which were rib fractures occurring in women age > 60 with osteoporosis, while none were grade ≥ 4 , yielding an incidence of grade ≥ 3 AEs of 0.21 per 100,000 SMT sessions

(95% CI 0.00, 0.56 per 100,000). There were no AEs related to stroke or cauda equina syndrome.

Reference: Chu, E.CP., Trager, R.J., Lee, L.YK. et al. A retrospective analysis of the incidence of severe adverse events among recipients of chiropractic spinal manipulative therapy. *Sci Rep* 13, 1254 (2023).

Research reveals significant non-guideline concordant ED care for LBP in older adults

Researchers in Australia carrying out a retrospective analysis of emergency department care for low back pain in seniors have found high levels of care that contradict best practice.

The study, led by Katie de Luca from the Discipline of Chiropractic at Central Queensland University, looked at over 4000 emergency presentations of low back pain in older adults. In over two thirds of cases, opioid analgesics were prescribed. The analysis also showed that they often received imaging and laboratory tests, had high costs and were admitted to hospital.

With 30% of ED low back pain presentations involving adults over 65, the authors called for alternative, guideline-compliant care pathways to deliver better outcomes at lower cost.



Reference: de Luca K, McLachlan AJ, Maher CG, Machado GCC. Australian emergency department care for older adults diagnosed with low back pain of lumbar spine origin: a retrospective analysis of electronic medical record system data (2016-2019). *BMC Emerg Med.* 2023 Feb 13;23(1):17.

NCMIC Foundation recognizes 2023 McAndrews Award Winners

The NCMIC Foundation has named four individuals as the 2023 winners of the Jerome F. McAndrews, DC, Memorial Research Fund Award.

The awards were presented to Drs. Scott Haldeman, Gert Bronfort, Roni Evans and Stephanie Sullivan at the Association of Chiropractic Colleges Educational and Research Agenda Conference (ACC-RAC), held March 23-25, at the Sheraton Hotel in New Orleans, Louisiana.

The Jerome F. McAndrews, DC, Memorial Research Fund was created by the NCMIC Foundation to honor Dr. McAndrews' longtime support of the scientific and practical advancement of the study of chiropractic. It provides an award to a worthy research recipient who has demonstrated exceptional ability to:

- Advance research and the exchange of scientific information
- Promote high ethical standards in research and/or practice
- Contribute to practical applications to

chiropractic practice

- Interact professionally with other individuals and groups involved in relevant research and application

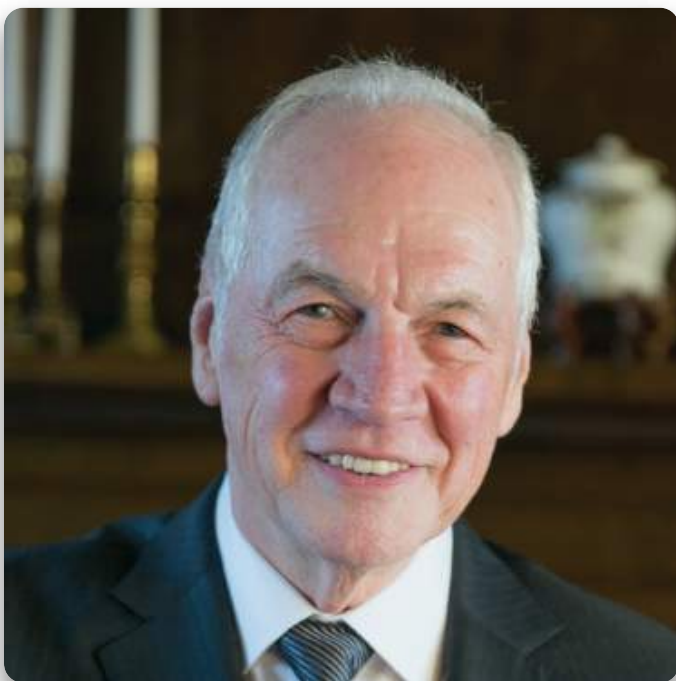
The Jerome F. McAndrews, DC, Memorial Research Fund Pioneer Award, recognizes veteran researchers who have left a mark on the chiropractic profession through their research. This year's winners include:

Dr. Scott Haldeman, DC, MD, PhD, FRCP(C), FCCS(C), FAAN, is clinical professor in the Department of Neurology, University of California, Irvine, and visiting professor at Southern California University of Health Sciences.

Dr. Haldeman is the founder and president of World Spine Care, a non-profit organization endorsed by the Decade of the Bone and Joint, an initiative of the WHO, helping people in underserved regions of the world who suffer from spinal disorders. He is past president of the North American Spine Society, the American Back Society, and the North American Academy of Manipulative Therapy. He served on the executive council of the International Society for the Study of the Lumbar Spine and was appointed International Ambassador for the Decade of the Bone and Joint. He currently chairs the Global Spine Care Initiative to develop evidence-informed, practical, and sustainable, spine health care models for communities around the world.

Dr. Gert Bronfort, DC, PhD, is a professor in the Integrative Health and Wellbeing Research Program at the University of Minnesota's Earl E. Bakken Center for Spirituality & Healing.

Dr. Bronfort has been a leader in research investigating conservative and integrative care for disabling and costly musculoskeletal pain



Dr Scott Haldeman

continued

NCMIC Foundation recognizes 2023 McAndrews Award Winners (continued)



Dr Gert Bronfort

conditions and has formed numerous regional, national and international partnerships to conduct innovative, high-impact, patient-oriented research. He has led numerous federally funded randomized clinical trials investigating manual therapies, exercise and self-care and has authored several high-profile systematic reviews.

Dr. Bronfort is a longstanding and active member of the Cochrane Collaboration's Low Back Pain Editorial Group as well as the Cervical Overview Group. He has served on several national and international committees including the advisory council for the National Center for Complementary and Alternative Medicine, the World Health Organization and the US Health Resources and Services Administration's Advisory Committee on Interdisciplinary, Community-Based Linkages.

Dr. Roni Evans, DC, MS, PhD, is the director and an associate professor in the Integrative Health and Wellbeing Research Program at the

University of Minnesota's Earl E. Bakken Center for Spirituality & Healing.

Dr. Evans is a clinical research scientist whose work has been largely in the area of comparative effectiveness research, investigating non-drug approaches for individuals struggling with musculoskeletal pain, including manual therapies, exercise, self-management and other complementary and integrative approaches.

Dr Evans has been an investigator of several randomized clinical trials funded by the National Center for Complementary and Integrative Health (NCCIH) and the U.S. Health Resources and Services Administration. Her

continued

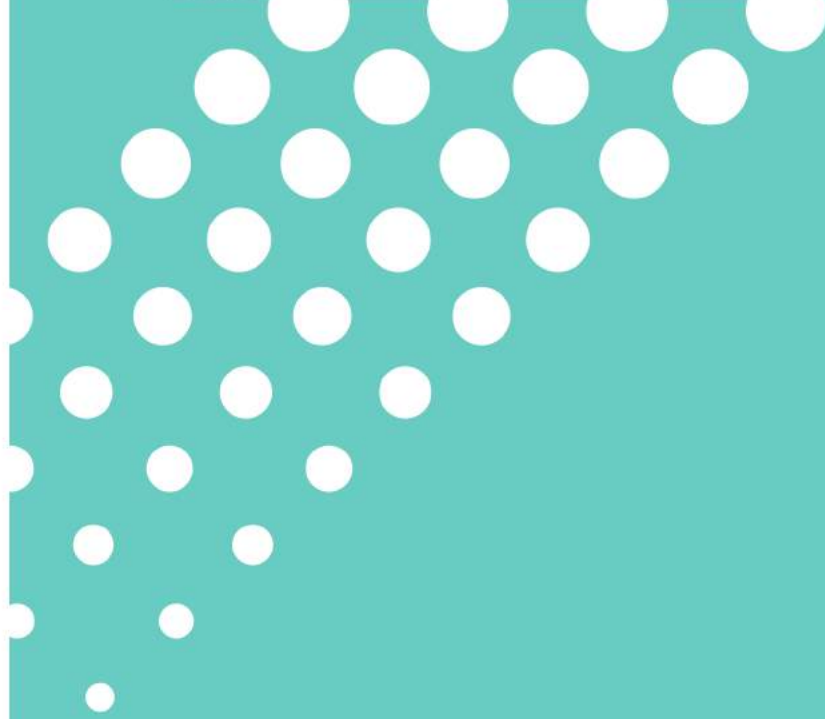


Dr Roni Evans



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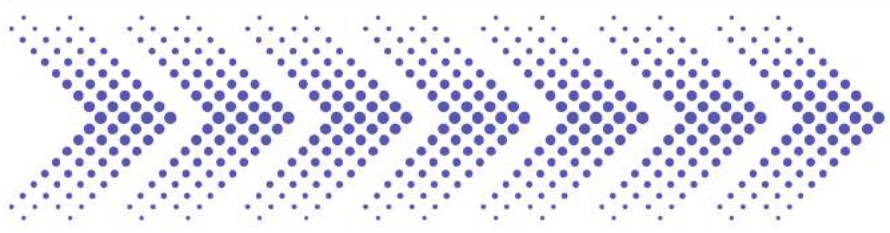

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NCMIC Foundation recognizes 2023 McAndrews Award Winners (continued)

current research focuses on facilitating health and well-being behaviors, including physical activity and pain self-management with an emphasis on engaging populations typically under-represented in complementary and integrative health research.

She is currently the principal investigator of a NCCIH funded community-based study examining a behavioral based mindfulness intervention for mid-to-older age adults and is also the co-investigator responsible for the design and development of integrated supported self-management approach in the PACBACK trial, one of the largest clinical studies of acute low back pain to date.

Dr. Evans is also an active mentor for pre-doctoral and post-doctoral students interested in pursuing a research career in complementary and integrative therapies, pain management and healthy behaviors. She currently serves on the National Advisory Council for Complementary and Integrative Health.

The Jerome F. McAndrews, DC, Memorial Research Fund Award is given to a rising star in the profession who has demonstrated their dedication to furthering the profession. This year's winner was:

Dr. Stephanie Sullivan, DC, serves as the director of the Life University Dr. Sid E. Williams Center for Chiropractic Research (CCR). Her responsibilities include mission driven leadership and advancement of the CCR, research compliance, and the conduct of chiropractic research. Utilizing her background in banking, marketing, and management Dr. Sullivan has worked to increase the number of research projects conducted at Life University as well as raise the rigor of studies to include



Dr Stephanie Sullivan

high-impact clinical trials.

Dr. Sullivan is also a neuroscience Ph.D. graduate of the Biomedical and Health Sciences Institute at the University of Georgia. Her research focus includes development of the Well-being and Health Expression Evaluation List (WHEEL), sensory gating, cognitive efficiency and the effect of chiropractic and applied clinical neuroscience care on brain-body neuroplasticity.

Dr. Wayne Wolfson, president of NCMIC, said, "Drs. Haldeman, Bronfort, Evans and Sullivan represent the best of the best in the profession, and each deserves to be recognized for their contributions."



WE TAKE CARE OF **OUR OWN**.

Depression, Anxiety, and Stress Among Chiropractors in South Africa During the Early COVID-19 Pandemic

Chiropractic professionals are primary-contact physical-medicine health care providers whose focus is to diagnose and treat conditions of neuromusculoskeletal origin; therefore, their services were suspended during level 5. Almost 50% of chiropractors in South Africa practice are in solo practice, with the remainder either in a multidisciplinary practice or practicing with other chiropractors. As a result of the restrictions caused by the pandemic, chiropractors changed their methods of practice. This included canceling appointments, resorting to telemedicine consultations, or discontinuing their practice completely due to the lockdown restrictions placed upon them.

This study investigated the psychological responses of chiropractors in South Africa during the COVID-19 pandemic. To answer the questions 1) What was the psychological status (in terms of depression, anxiety, and stress levels) of chiropractors in South Africa during the COVID-19 pandemic? 2) Did age, sex, marital status, and economic status have an association with the psychological symptoms?



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Depression, Anxiety, and Stress Among Chiropractors in South Africa During the Early COVID-19 Pandemic. Dirkie Maria Landman, MTechChiro, BRad, Amisha Sewpersadh, MTechChiro, and Cynthia Peterson, RN, DC, MMedEd. *Journal of Chiropractic Humanities*. <https://doi.org/10.1016/j.echu.2022.08.001>

This study found that the average levels of depression, anxiety, and stress experienced by chiropractors were within the normal range during the early phases of the pandemic. We found that female chiropractors were affected to a greater degree regarding anxiety, depression, and stress, even though they still fell within the normal range. According to the results obtained in this study, no significant psychological impairment was noted. However, further research is necessary to determine the long-term effect of the COVID-19 pandemic on the psychological health of chiropractors in South Africa.



Journal of
CHIROPRACTIC HUMANITIES

Over C\$75,000 in new research grants for sports sciences



The Canadian Chiropractic Research Foundation (CCRF) and the Foundation for the Royal College of Chiropractic Sports Sciences – Canada (the Foundation) are pleased to announce awards exceeding \$75,000 for four projects in their first co-sponsored grant competition.

“Through this call we’ve been able to shine a spotlight on the valuable inroads being forged by this country’s dedicated sports chiropractic researchers,” notes Dr. Chad Kulak, CCRF chair.

“For athletes, this is about improving performance and returning to play faster. For chiropractors, it’s about accessing a learning module for the treatment of concussion as well as a tool kit for general practitioners to help their athletic clients return to play.”

“It’s exciting to be on the leading edge of such tremendous change! Never before have Sports Chiropractic researchers had access to such significant grants to pursue their work,” says Dr. Eric Helson, the Foundation president.

Thanks to the generosity of visionary donors, CCRF issues semi-annual requests for proposals for Canadian-led research related to the chiropractic profession, while the Foundation supports Sports Chiropractic research and researchers through scholarship awards and other funding opportunities.

“Sports chiropractic is really one of the best kept secrets in our profession,” adds Dr. Richard McIlmoyle, CCRF’s Research Committee chair.

“We’ve been impressed by the caliber of the submissions received and their applicability to both athletes and Canadians in general.”

“This most recent announcement brings CCRF’s total number of funded projects to 35 in the past three years, representing almost \$1.3 million in grant awards” concludes Dr. Kulak.

“We’re honored to play a role in this process by providing meaningful and consistent funding in partnership with the Foundation and our generous supporters. Please join us in congratulating these successful project teams.”

Title: Fast Stretch Shorten Cycle Regulation in ACL Injured and Non-Injured Athlete

Award: \$8,000

Lead: Nathan Boon-van Mossel / University of Calgary

Impact: This project’s purpose is to develop a new test to evaluate recovery from anterior cruciate ligament reconstruction (ACLR). It will also assess how test instructions influence lower limb stiffness and knee function and examine the effects of lower limb strength on fast stretch-shorten cycle (SSC) capacity. This will help clinicians make educated decisions in injured athletes, which may inform rehabilitation programs, athlete risk profiling, and return to sport.

Title: Development and dissemination of a freely accessible, online evidence-based learning module on the assessment, diagnosis and management of sports concussion in adults and children

Award: \$21,000

continued

Over C\$75,000 in new research grants for sports sciences (continued)

Lead: Dr. Scott Howitt/Ontario Tech University.

Impact: Canadian chiropractors have the clinical training to assess, diagnose, and manage concussion but there are few user-friendly clinical resources that aggregate this information into a digestible format. This learning module, targeted toward clinicians, will focus on general recommendations for assessment, diagnosis and management of concussion as well as recommendations for managing prolonged post-concussion symptoms.

Title: Bringing the athlete's voice to sports healthcare - investigating and prioritizing athlete expectations, values, and preferences for care to co-create practice toolkits to inform athlete-centered care.

Award: \$31,000

Lead: Dr. Alexander Lee/Canadian Memorial Chiropractic College

Impact: Athletes are key sports stakeholders in who need a "voice" in the development of research and policy about how healthcare is delivered to them. Through in-depth interviews, this project will recruit Canadian national team athletes to investigate their expectations, values, and preferences to guide healthcare providers and sports organizations.

Title: What can chiropractors do to support athletic performance? A focused ethnographic qualitative study of sports chiropractic clinical encounters.

Award: \$19,000

Lead: Dr. Alexander Lee/Canadian Memorial Chiropractic College

Impact: Athletes often seek chiropractic care to enhance sport performance and report positive outcomes. This study seeks to establish chiropractic's unique value in sports healthcare settings by investigating approaches chiropractors apply when treating athletes, what is distinctive about these approaches and what opportunities exist to improve chiropractors' ability to influence athletic performance.

Submission details for CCRF's Spring 2023 Request for Proposals (RFP) will be announced on April 4, 2023. Click [here](#) to learn more.

Have a dynamic, high impact research idea?

CCRF is accepting Letters of Intent (LOIs) for its Spring 2023 Request for Proposals (RFP) with grant pool of approximately \$200,000 CAD. The submission deadline is 11:59pm EDT, on Thursday, May 11th, 2023. Final grant decisions will be made in September 2023.

For eligibility, guidelines, submission details and FAQs, please visit the CCRF website at <https://canadianchiropracticresearchfoundation.ca/>

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CQU researchers to investigate healthy habits

CQUniversity researchers have received \$20,000 in funding for a new research project aimed at improving the management of low back pain in adults.

The project, led by Dr. Katie de Luca, will investigate the feasibility of using a personally tailored, web-based program called Back-Activ to help Australians form healthy habits related to their low back pain. This grant was awarded as part of the CQUniversity 2022 internal grant rounds.

The Back-Activ program is based on the theory of habit formation, which suggests that habits may allow us to automate activities in the presence of cues.

Habit theory may help patients maintain healthy behaviors that are formed when motivation is high, but then sustain the behavior change after conscious motivation inevitably fades.

The program will provide participants with personalized advice tailored to their specific needs and goals, as well as educational resources on low back pain and tools for tracking progress and monitoring pain levels. Activity levels and habit formation will be tracked through Fitbits and surveys.

One of the progressive features of Back-Activ is that it uses e-health, allowing individuals to access guideline concordant advice whenever and wherever they want, which is a direction many health interventions are moving. We hope that this will increase the chances of forming healthy habits related to low back pain and decrease the burden to individuals and society.

The research team includes CQUniversity chiropractic staff, Dr. Matthew Fernandez, Professor Corneel Vandelanotte, Dr. Stephanie Alley, and Associate Professor Amanda Rebar, who is a world expert in the psychology of habit formation.

The research team also includes Professor Jan

Hartvigsen from the University of Southern Denmark.

Supervised by this team, Mr. Matthew Bulman, a chiropractor based in Tasmania, has enrolled in a Master of Research (MRes) at CQUniversity to work on the project. He started his MRes studies in November and has experienced a positive, supportive and inspiring environment thus far;

"I am incredibly excited to be a part of the CQUniversity research program, where we are



Dr Matthew Bulman

working towards developing an effective and accessible tool for managing low back pain in Australian adults," commented Dr Bulman

Back-Activ will begin recruiting participants for a feasibility trial later in 2023. The trial will involve a small group of adults with low back pain and will evaluate the feasibility of the Back-Activ program in terms of recruitment, retention, and adherence to the program.

"Low back pain is a common and debilitating condition that affects millions of Australians," said

continued

CQU researchers to investigate healthy habits (continued)



Dr Katie de Luca

Dr. Katie de Luca, lead researcher on the project.

"Our goal with this research is to develop an innovative, accessible and effective tool that can help Australians manage their low back pain and improve their overall health and well-being."

This research project is a positive step towards improving the management of low back pain and helping individuals to improve their physical and mental health by forming healthy habits.

It is also building international, interdisciplinary research capacity within the chiropractic department at CQUniversity by working with world-leading researchers like Professors Hartvigsen, Vandelanotte and Rebar.

"It's a wonderful time to be part of the CQUniversity Chiropractic program. There is a strong culture of high-quality research currently underway here. I'm thrilled to be part of building a future at the University that all chiropractors will be proud of," said Dr Bulman

CPiRLS: RCC reports on decade of incident reporting

After 10 years of its Chiropractic Patient Incident Reporting and Learning System (CPiRLS), outcomes of reporting has been published by the Royal College of Chiropractors in *Chiropractic and Manual Therapies*.

Safety incident (SI) reporting and learning via incident reporting systems (IRSs) is used to identify areas for patient safety improvement. The chiropractic patient incident reporting and learning system (CPiRLS) is an online IRS that was launched in the UK in 2009.

All SIs reported to CPiRLS between April 2009 and March 2019 were extracted and analyzed. Descriptive statistics were used to describe: (1) the frequency of SI reporting and learning by the chiropractic profession, and (2) the character of reported SIs. Key areas for patient safety improvement were developed following a mixed methods approach.

A total of 268 SIs were recorded on the database over the 10-year period, 85% of which originated from the UK. Evidence of learning was documented in 143 (53.4%) SIs. The largest subcategory of SIs related to post-treatment distress or pain (n = 71, 26.5%). Seven key areas for patient improvement were developed including: (1) patient trip/fall, (2) post treatment distress/pain, (3) negative effects during treatment, (4) significant post-treatment effects, (5) syncope, (6) failure to recognize serious pathology, and (7) continuity of care.

The low number of SIs reported over a 10-year period suggests significant under-reporting, however, an upward trend was identified over the 10-year period. Several key areas for patient safety improvement have been identified for dissemination to the chiropractic profession. Improved reporting practice needs to be facilitated to improve the value and validity of reporting data. CPiRLS is important in identifying key areas for patient safety improvement.

Headaches a significant issue for young people, study shows

Data from a new Danish study shows that many children aged 7 – 14 years suffer from headaches. Other studies show that the proportion of children suffering from headaches increases from 5% at 3 years of age to more than 50% in puberty.

There are many reasons why headaches in children should be taken seriously. Frequent headaches can have a major negative impact on the children's daily life, e.g., quality of life, school attendance, social life, mental health, and participation in physical activities; and children with headaches often suffer from co-morbid conditions, such as stomach pain, neck and back pain, obesity, sleep problems and allergies.

This study describes the characteristics of recurrent or chronic headaches in children aged 7 – 14 years. Researchers explored whether data could be used to develop a more comprehensive and complete way of categorizing headaches than the usual one.

Two hundred and fifty-three children with chronic or recurrent headaches and their parents participated in the study. Two thirds of the children had suffered headaches for more than a year, and more than 50% experienced headaches several times a week. More than a third of the children used over-the-counter medicine one or more times a week. Only slightly more than half were examined by a doctor and 4 out of 5 received no treatment for their headaches before joining the study, indicating significant variations in the way that children's headaches are managed.

The children were not given a specific diagnosis at baseline, but using available data, the researchers were able to categorize the children into two types with reasonable certainty:

22% of the children were categorized with migraine and 23% with tension-type headaches but half of the children could not be categorized. This group of non-specific headaches probably covers several different headache types e.g., mixed headache, cervicogenic headache or headache due to overuse of



medication. The many cases of non-specific headaches emphasized the need to look at the way headaches are categorized.

The researchers propose an index of headache that includes all symptoms that can be related to headache. The index indicates that headache can perhaps be seen as a more fluent spectrum, with a smoother transition between the types to be able to consider e.g., mixed headaches and overlapping symptoms. If a given cut point can be found for when a certain type of treatment will be beneficial, it could potentially make the treatment of children's recurrent or chronic headaches more effective.

It is also important to pay attention to children with less severe types of headaches, partly to get the full picture and partly to prevent their headache from becoming more serious headaches.

Chiropractor Kersti makes it to Estonia's Eurovision finals

A chiropractor from Tallinn recently made it to the final twelve in a bid to become Estonia's representative in the 2023 Eurovision Song contest.

MIA is the stage name of Kersti Kukk, a 36-year-old singer-songwriter from Estonia.

Kersti first came to prominence in 2010, rising in the charts with her debut single "Ingel mu kõrval". Since then, MIA has taken part in Estonia's Eurovision finals with "Bon Voyage", reaching eighth in its semi-final. Her second entry to the competition – "Awaiting You" – is written by Kersti herself, alongside Frants Tikerpuu.

She recently took part in the Estonian national competition to represent Estonia in Liverpool this May with her song "Üks samm korraga", meaning 'one step at a time'.

Kersti qualified from Barcelona College of Chiropractic in 2017. Having initially worked in the Netherlands, she worked in two practices before returning to her native Tallinn. She is one of just 6 chiropractors practicing in Estonia.

With a particular interest in functional neurology, Kersti undertook a fellowship and worked alongside Carrick Institute graduates. She is the mother of two daughters.

A singer-songwriter, Kersti wrote the melody and lyrics for her entry, which was chosen as one of the final 12 from 217 entries.

This year's Eurovision Song Contest, the 67th in the competition's history, takes place on May 13 in the city of Liverpool, United Kingdom. While traditionally, the event is held in the nation of the most recent winning entry, Ukraine was unable to host the competition



Eurovision hopeful, Dr Kersti Kukk performing (top) and at her practice in Tallinn.

due to the ongoing conflict.

Estonia is a small nation of just 1.3 million people. Bordered by Finland, Sweden, Latvia and Russia, it is considered one of three Baltic states.

Chiropractic in Estonia is currently unregulated. The president of the Estonian chiropractic Association is Dr Gerly Truuvaart.

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Emirates Chiropractic Association announces new president

The largest association in the WFC's Eastern Mediterranean region, the Emirates Chiropractic Association, has a new president.

Dr Tamara Ghazi recently took over the presidency from Dr Nageena Akhtar, who stepped down after two years in charge. Having worked for two years in California, Tamara relocated to Dubai 10 years ago, where she is the owner and medical director of the multidisciplinary Diversified Integrated Sports Clinic, has clinics in both Dubai and Kuwait City.

An Arab-Canadian, Tamara completed her undergraduate degree at the University of Toronto before undertaking her Doctor of Chiropractic degree at Palmer College of Chiropractic in San Jose, California.



Dr Tamara Ghazi is the new president of the Emirates Chiropractic Association

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The sacroiliac joints hold and transfer the weight of the entire upper body from the sacrum to the hips and legs. They are also important sensors of large force streams between the trunk and legs in which the largest muscles of the body are involved. In this respect, the sacroiliac joint functions as a multi-directional force transducer.



Angular Kinematics of Chiropractic Supine Cervical Spine Manipulation

How accurate do patients and providers estimate rotation magnitude?

The findings of this study may help us to better understand what chiropractors do in practice and the magnitudes of movement during chiropractic spinal manipulative therapy (cSMT.) These findings could be included in discussions of actual and perceived magnitudes of motion and during conversations about suspected injury claimed to be caused by cSMT.

This study captured motion characteristics of supine cSMT as it is applied in usual and customary practice. The doctors in the study perceived longer thrust durations as larger angles but there were no meaningful relationships between perception of rotational angle and angular velocity or acceleration. Those results (mean velocity, $221.9^{\circ}/s$; mean acceleration, $4786.5^{\circ}/s^2$) may be useful for future investigators. For comparison, a study of simulated low-speed automobile collisions found angular velocity changes of $705^{\circ}/s$ to $2640^{\circ}/s$ upon the heads of crash test dummies striking a head restraint. A football helmet impact study found changes in angular velocity to vary from $1490^{\circ}/s$ to $2690^{\circ}/s$. There have only been a few previous investigations reporting velocity and acceleration data for cervical manipulation.

In this sample of experienced chiropractors performing and receiving supine cSMT, axial rotation at thrust peak to average was 32.4° . Chiropractors providing cSMT in this study overestimated the magnitudes of rotation 45% of the time compared with the values measured by an inertial measurement unit system. As recipient patients, they overestimated measured values 50% of the time. Thus, there was an overestimation of the magnitude of rotation by those delivering and receiving cSMT when compared to measurements made by accelerometers, magnetometers, and gyroscopes. For participants in this study, their perception of rotation magnitude was larger than the measured values.

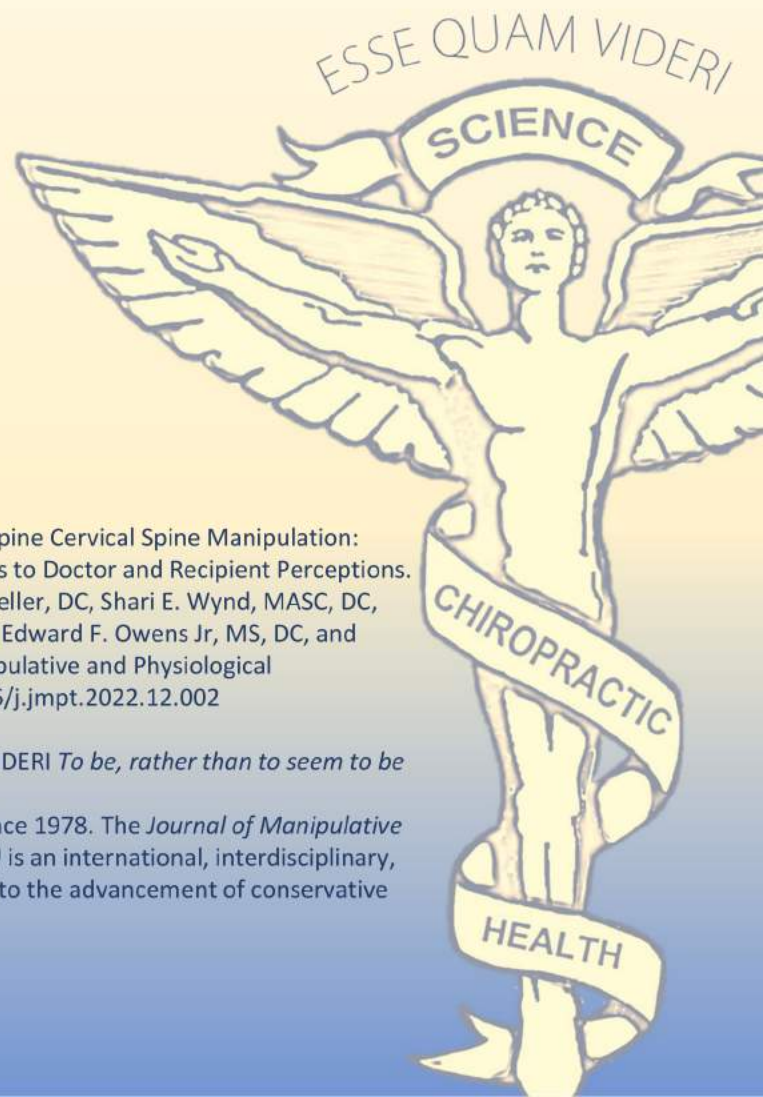
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Angular Kinematics of Chiropractic Supine Cervical Spine Manipulation: Rotational Measures and Comparisons to Doctor and Recipient Perceptions. Brent S. Russell, MS, DC, Mackenzie Keller, DC, Shari E. Wynd, MASC, DC, PHD, Ronald S. Hosek, PhD, DC, MPH, Edward F. Owens Jr, MS, DC, and Kathryn T. Hoiriis, DC *Journal of Manipulative and Physiological Therapeutics*. <https://doi.org/10.1016/j.jmpt.2022.12.002>

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British Chiropractic Association appoints new Chief Executive Officer to drive long-term strategy

The British Chiropractic Association (BCA) has appointed an industry expert as its new CEO. In March, the WFC Member representing the United Kingdom welcomed Cait Allen, who has previously held CEO roles in a health charity and a national membership organization

Cait has an extensive career history working with organizations including National Health Service (NHS) England and NHS Trusts.

Experienced in influencing policy, she has worked with different Government departments across Whitehall to develop policy and deliver change. Specializing in leading organizations in making a positive impact,

Cait joins the BCA at a pivotal time following its major repositioning project which had two core objectives: to support the serious strain on musculoskeletal (MSK) issues facing the UK, whilst equipping members with the tools to increase recognition within the mainstream healthcare community.

On her appointment, Cait said: "I am really excited about my new role as CEO of the British Chiropractic Association.

"The BCA has a strong reputation and established brand as the leader in its field, with a long legacy of providing outstanding support to members. I am looking forward to working with the team on our long-term strategy as well as continuing to showcase the patient-centered care and rigor BCA chiropractors follow.

"As the NHS faces increasing pressure, private healthcare is becoming more accessible and desirable to patients. This is therefore a great time to match BCA's appetite for growth and profile with a market that is ripe and ready to consider an



Cait Allen is the new Chief Executive Officer of the British Chiropractic Association

integrated healthcare route."

After a fast-growing career in PR and marketing, Cait moved into wider leadership roles in reputation management and influencing, before taking her first CEO role at the age of 35.

Dr Catherine Quinn, President of the British Chiropractic Association, added:

"Cait is dynamic and values-driven, demonstrating strong leadership, positive influencing, and a track record of reputation building and advocacy, which will ensure our future is as prestigious as our history.

"Cait has a diverse background of experiences in healthcare and membership organizations so was a strong match for the BCA's Vision for chiropractic to be integral to UK healthcare.

"The BCA Board looks forward to Cait realizing the full potential of the BCA to be the home for chiropractors to put patients first, providing quality support and representation for UK chiropractic."

Medicare Bill reintroduced by US House of Representatives and Senate

The American Chiropractic Association (ACA) is excited to announce that both the U.S. House of Representatives and U.S. Senate have reintroduced legislation to increase access to Medicare-covered services provided by doctors of chiropractic.

The Chiropractic Medicare Coverage Modernization Act (H.R. 1610/S. 799) would bring Medicare's coverage of chiropractic into alignment with most other federal programs and private health plans, giving seniors improved coverage of non-drug treatments to alleviate pain and improve function.

The legislation was introduced by Representatives. Gregory Steube, Brian Higgins, Mark Alford and John Larson in the

House and Senators Richard Blumenthal and Kevin Cramer in the Senate. Both bills were introduced with a number of bipartisan original cosponsors.

An identical bill that expired last year in Congress achieved more than 150 co-sponsors in the House, split almost evenly between Democrats and Republications, and six co-sponsors in the Senate.

"The level of bipartisan support we achieved with the last bill tells us that this is an issue that resonates and has the momentum to go all the way," noted John Falardeau, ACA senior vice president of public policy and advocacy.

"We thank Sens. Blumenthal and Cramer and Reps. Steube,

Higgins, Alford and Larson for their leadership in reintroducing this important legislation, which will benefit America's seniors."

The reintroduction of these bills follows diligent advocacy work by ACA members at the association's lobby day in January, held during the annual meeting, ACA Engage, in Washington, D.C.

During the meeting, doctors of chiropractic and students from around the country (pictured below) participated in over 200 meetings with members of Congress and their staff on Capitol Hill, sharing research and personal experiences to advocate for increased access to chiropractic care.

At this year's American Chiropractic Association Engage 2023 meeting, doctors of chiropractic and students from across the United States lobbied politicians at the US Capitol in support of the Chiropractic Medicare Coverage Modernization Act (HR 1610/S 799.



Michael Martin announced as new ACA President

The American Chiropractic Association has announced that Dr Michael Martin has been elected president for the term 2023-2024.



Dr Michael Martin DC

Marcus Nynas, DC, was elected vice president. Drs Martin and Nynas are joined on the Board of Governors by new member Maithy B. Ta, DC, and returning members Leo Bronston, DC, MAppSc; Eric Benson, DC, FIAMA, FICC; and Steve C. Roberts, JD, LLM.

Dr Martin replaces Dr Michele Maiers, who steps down after a two-year term of office. A practicing chiropractor in Plano, Texas, he is a third-generation chiropractor. He has previously served as president of the Texas Chiropractic Association.

As well as being maintaining a busy private practice, Dr Martin is the president and CEO of Chiro1, an organization dedicated to improving the quality and availability of conservative and non-surgical spine care.

Bahrain chiropractor recognized for excellence

Dr Amy Bowzaylo, President of the Bahrain Chiropractic Association, has been recognized for her work by the Bahrain National Health Regulatory Authority (NHRA).

Dr Bowzaylo, a graduate of Palmer College of Chiropractic (West) is the clinical director and CEO of InTouch Integrated Chiropractic Spine Center, which recently became the first integrated rehabilitation center to achieve the prestigious recognition. She founded the clinic in Bahrain in 2014.

The NHRA recognized Dr Bowzaylo's clinic at 'Platinum Status', awarded for achieving 90-94% compliance with the required accreditation standards and for demonstrating a safe and high quality care in the delivery of health services to the people of the Kingdom of Bahrain.



Dr Amy Bowzaylo, President of the Bahrain Chiropractic Association with her certificate of accreditation.

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Clinics fully operational in all World Spine Care locations

After a harsh COVID season, all of the World Spine Care clinics are once again open and caring for their communities in Botswana, Dominican Republic, Ghana, and India.

World Spine Care's Moca, Dominican Republic clinic is again open at the Patronato Cibao de Rehabilitación. Our clinical supervisor from Mexico, Dr. Sayuri Tovar, has expanded to a second clinic in a small village nearby. Dr. Patricia Tavares, who has been the Clinic Coordinator for the DR, is now the Director of Clinics for all of the World Spine Care clinics. She has been hard at work training our volunteer clinicians and providing training on the GSCI model of care to healthcare providers involved in our other projects.

There is a full complement of clinical supervisors in Botswana thanks to the hard work of Dr. Mufudzi Chihambakwe. Dr. Michael Pretorius recently arrived from South Africa and will soon be joined by Dr. Jennifer Milus from California. We look forward to reaching our previous patient care capacity in the coming months.

World Spine Care Europe will host its annual European Spine Ride this summer. You can join the team riding through the beautiful countryside of northern Spain, starting in Bilbao and ending 500 miles later near the Camino de Santiago.

World Spine Care research projects are progressing as well. For the first time, Health Canada provided a grant of \$584,000 to our Global Spine Care Initiative (GSCI) for a study on implementing evidence-based spinal care in a remote Northern Manitoba indigenous community. This is a unique opportunity as this community does not have such care. The study will also examine whether spinal care can positively impact the trend in opioid use. A positive outcome will create many more opportunities.



Clinic Supervisor Dr. Sayuri Tovar treats a patient at the World Spine Care clinic in Moca, Dominican Republic

All of this great work is made possible by the generous support of chiropractors around the world. Some make great efforts to create fundraisers, while others make automatic monthly donations. World Spine Care invites all chiropractors to contribute. Join the hundreds of chiropractors supporting this important work and [make a donation](#) today.



Canadian data drives support for EPIC

What does it mean to be a data-driven organization? Many organizations survey their members, scour national data tables, do market research, and analyze the latest health reports.

Last year the Canadian Chiropractic Association (CCA) conducted its once-every-five-years membership practice survey, a comprehensive look at where chiropractic is today, where we have been, and where we are going. Here is a brief overview of the chiropractic landscape in Canada, and some of the ways our work helps to promote the

EPIC principles as stated by the WFC: evidence-based, people-centered, interprofessional and collaborative.

The Canadian data tells us that the demographics of our profession continue to change, and with more women graduating every year, we are expected to reach gender parity in the next couple of years. This represents an exciting opportunity to reposition the face of chiropractic and appeal to a broader patient base.

We know most Canadian

chiropractors are welcoming an increasingly diverse patient base, and that the more successful practices are those that have been able to learn and adapt to serve new communities. To that end, the CCA will continue to offer its impactful DEI workshops to help strengthen cultural agility. Providing people-centered care ultimately makes us better practitioners.

The Canadian data also shows that there is a continued trend away from sole proprietorship towards interdisciplinary clinics, leading to greater



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Canadian data drives support for EPIC (continued)

interprofessional collaboration and understanding. Our vision at the CCA is that chiropractors will be a part of every Canadian's health care team and that means working collaboratively with other health care providers. We know that interprofessional and collaborative care leads to better patient outcomes, so this trend is very encouraging.

Our data showed that many Canadian chiropractors are struggling to find time to stay up to date with the latest research, and that some, feel intimidated about participating themselves.

We also know that they value evidence-based practice. The CCA is working with its partners at the Canadian Chiropractic Research Foundation, the Journal of Canadian Chiropractic Association, and the Canadian Chiropractic Guidelines Initiative to find new ways to present materials in accessible formats. Ultimately, this is also about making knowledge transfer from research to clinical practice easier so our members can practice in the evidence-based model.

Canada implemented some of the most globally stringent pandemic regulations, and that continues to hit Canadian chiropractors particularly hard. We know that the continued uncertainty about the future, lockdowns, and restrictions took a significant toll on the mental health of 48% of CCA members and continues to be a factor.

As a result, the CCA announced *TogetherAll*, a new peer-to-peer online support resource that integrates counseling services. This first-of-its-kind platform in Canada will be a meaningful way of building connection and support between healthcare professionals and the CCA continues to advocate for new mental health supports for all its members.

We know these things because we asked the questions. Because many Canadian chiropractors took the time to respond, we can put meaningful



Dr Judy Forrester, President, CCA

numbers and data behind these answers in a way that advances decisions at an organizational and government policy level.

This is a brief snapshot of changes in the Canadian landscape, and it may resonate with similarities or differences to where you practice, and how we all continue to evolve to better serve our communities and to globally support the WFC commitment to an EPIC future for chiropractic: evidence-based, people-centered, interprofessional and collaborative.

Report submitted by the Canadian Chiropractic Association.

Two years of spine care at the BH3 clinic

Public health facilities in Southern Africa are places better known for servicing large public health campaigns like HIV diagnosis and treatment, maternity and neonatal care, infectious disease control and accident and emergency units.

Musculoskeletal health is not often available in African primary care centers despite the huge prevalence of musculoskeletal complaints. For this reason, having a chiropractic clinic in the Broadhurst 3 (BH3) clinic in Gaborone, Botswana is both an unusual and yet much needed addition. Unusual because we are not part of the usual compliment of health care providers at such a center and much needed because we are perfectly positioned to alleviate the suffering of the majority of the musculoskeletal complaints people present with.

Who comes to clinics like BH3? From working professionals to the unemployed, there are a wide range of opportunities available. Work in public practice is an opportunity for double exposure: populations are exposed to chiropractic care who otherwise would not have had access to it.

At the same time, clinicians are exposed to multidisciplinary environments that carry the brunt of the health care burden of society. It is no secret that many public health care systems are overwhelmed and there a few better places to see the impact chiropractic can have than in these clinical settings. Gaborone has but a handful of



Dr Mufudzi Chihambakwe

locations where musculoskeletal care is offered in the public sector as the majority of manual therapists operate in private practice. In the case of BH3, the generosity of the Bloch family, the ingenuity of World Spine Care and the nimble activity of the Gaborone District Health Management Team made the existence of another option possible.

Projects like the BH3 clinic provide opportunities to explore the role chiropractors can actually play in health care pathways that much of the global population relies on.

Serving underserved communities is a privilege that we don't take for granted. We are two years in and are looking forward to the next two years. We imagine models like the BH3 being replicated throughout the continent of Africa where local community clinics like ours will routinely have a chiropractor on staff. Here's to a future where everyone has access to quality health care.

Mufudzi Chihambakwe is the President of the African Chiropractic Federation



BH3 Clinic in Gabarone

Chair of Hong Kong Chiropractic Council extends role into national politics

Dr. Valerie Chu, the Treasurer of CDAHK, never thought that she would one day become involved in politics. However, when the opportunity arose for her to participate in the Election of Deputies to the Fourteenth National People's Congress (NPC), she felt compelled to take on the challenge.

The NPC is the highest organ of State power in China, responsible for enacting laws, declaring war, raising and providing public money, and overseeing its proper

expenditure. As a chiropractor, Valerie had always been focused on providing care to her patients and helping them achieve optimal health. But she realized that politics could be another way to make a positive impact on the lives of people in her community.

Valerie (pictured below) began her campaign by reaching out to members of the community and listening to their concerns. She held town hall meetings, visited local schools, and spoke with business owners to learn more

about the challenges they faced. She also developed a platform centered on improving access to healthcare, promoting education, and supporting small businesses.

Valerie has been working tirelessly to promote healthcare reform, improve education, and support small businesses. She has been a strong advocate for policies that prioritize the needs of her constituents and has worked to ensure that the voices of her community are heard.



Practitioner mobility and chiropractic regulation

by Donna Cohen, Executive Director, International Chiropractic Regulatory Society

Let's take a look at some real scenarios with imaginary chiropractors.

Louis DuBois graduated from an accredited chiropractic program in Canada. Now he would like to move to Australia or the United States. How portable is his educational degree?

Marianne Martinez obtained her chiropractic degree from a European program. She subsequently attended many hours of postgraduate training in treating musculoskeletal pain and injury in athletes and focused her practice on maximizing human performance. Can she travel to treat or to offer seminars in other countries?

Or what about those who wish to provide chiropractic care as part of mission service or during times of disaster? Or maybe just to experience living in another country?

How do legal requirements in the home country as well as the destination country affect the opportunities for these chiropractors?

Unfortunately, the answer is "it depends."

First and foremost, those patients receiving chiropractic services must not be misled about the credentials of the chiropractor. For example, students on mission or disaster outreach trips must not refer to themselves or each other as "doctor" or even "chiropractor" unless they have been granted the degree.

Second, if the practitioner is registered or licensed in the home country, it is vital not to jeopardize that status by failure to comply with applicable laws at home or abroad, including across US state borders.

How will Louis and Marianne avoid making a mistake that could pose a risk to their license or registration? Presently, their best strategy is to

Some of the legal requirements to consider

1. Status of regulation in home country and destination country.
2. Recognition of educational program.
3. Gaining registration in destination country (if required)
4. Qualifications to serve in stated capacity.
5. Recency of practice
6. License/registration in good standing
7. Professional Indemnity (malpractice) insurance
8. Sponsor / supervisor where applicable.
9. Timely and proper notification to regulatory authorities.
10. Duration of temporary practice / renewal provisions.
11. Language fluency.
12. Criminal background check.
13. Appropriate record keeping.

contact the jurisdictions involved and to carefully review their websites.

The International Chiropractic Regulatory Society is hosting a free, 90-minute virtual Forum on portability on Friday May 19, 2023, 4pm (Eastern Time - New York, USA).

Attendees will hear from some of the countries with current applicable regulations.

There is no fee to participate but preregistration is required to enable attendees to submit questions, concerns, and ideas. Please visit www.chiroregulation.org to register and to determine your local time.

Over the next year, the ICRS will be developing a web-accessible resource to provide relevant information for those seeking to travel or relocate.

For our hypothetical chiropractors Louis and Marianne – and for you – it should be easier to move around the world as opportunities arise, assuming that legal and safety requirements are observed.

F4CP Releases Stakeholders' Report and new eBook

by Sherry McAllister, DC, president, Foundation for Chiropractic Progress

The Foundation for Chiropractic Progress (F4CP) has launched its 2022 Stakeholders' Report, highlighting the success we've had this past year including award-winning events like ChiroThon, record membership growth and expanded corporate sponsorship.

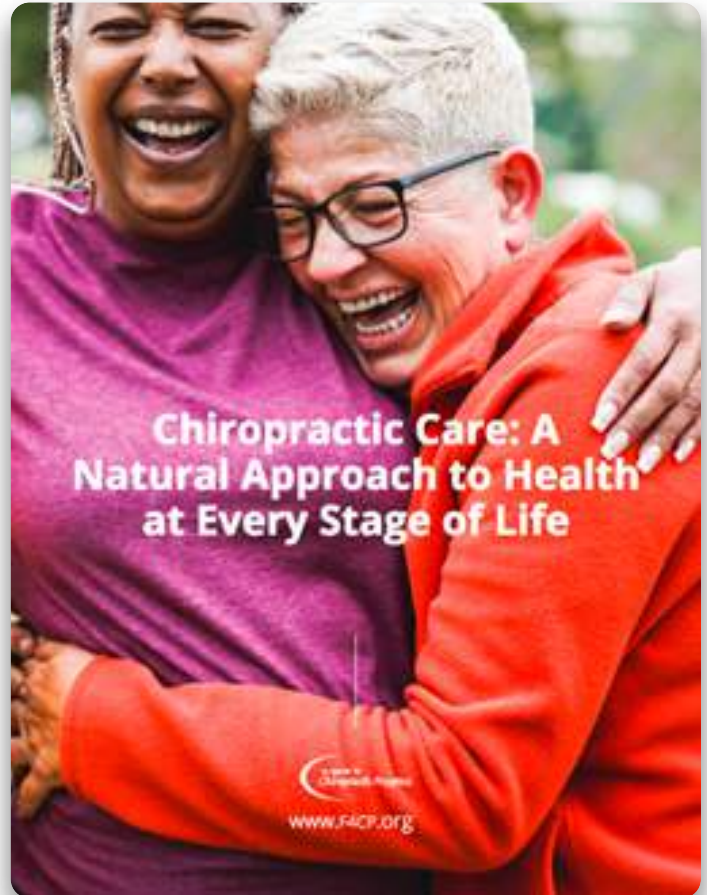
Most recently, F4CP has also released a new eBook, "Chiropractic Care: A Natural Approach to Health at Every Stage of Life." The new resource can be found on the F4CP website and is now available to F4CP members for download.

[Click here to download the eBook](#)

In addition to the new eBook, F4CP has also recently aired a new commercial focused on older adults and chiropractic care to support its "Naturally, Chiropractic" campaign. The :30-second commercial features 89-year-old Mavis, who lives an independent lifestyle due to consistent chiropractic care. Airing two times on CNN during the prime time premiere of the *American Pain* documentary, the two secured spots reached over 1.3 million viewers.

F4CP members are invited to [download the commercial here](#).

If you are not already an F4CP member, join here www.f4cp.org/package to access the material mentioned above and so much more.



The F4CP embraces a mission of educating the public about chiropractic care through positive press. The F4CP positive press campaign consists of monthly press releases, advertorials, public press announcements, advertisements and partnerships with high profile spokespeople.



Sports chiropractor on hand during extreme motor racing challenges

In January, sports chiropractor Dr Paul Cheung once again served as the Team Clinician for the Race of Champions event held in the north of Sweden (Pite Havsbad). This grueling event of "snow and ice" racing saw drivers from F1, NASCAR, Indy, World Endurance Championship, World Rallying, W-Series compete against each other on a specially designed ice/snow track.

This year also saw computer simulator drivers (gamers) compete (and win!) against the professionals!

At this year's event, Paul had the opportunity to educate young drivers about chiropractic health care and how it can help to prevent postural stresses and improve human performance. The brutally icy weather kept him busy with competitors and support staff slipping and falling. Drivers and co-drivers also experienced injuries when their vehicle went airborne on a section of the track with mild cervical spine trauma after a car ended up flipping on to its side.

The following month, Paul underwent a complete switch in conditions when he was on hand to work at the Abu Dhabi Desert Challenge World Rally Raid Championship. He helped in the set up the "bivouac clinic" where chiropractic and other medical services were offers for competitors, staff and also the Emirates Motor Sport Organization (EMSO).

The medical team was visited by the FIA President, Mohammed Bin Sulayem, and the EMSO CEO. Multiple types and classes of vehicle took part in five solid days in the Liwa Desert/Empty Quarter, racing in different areas up to the Saudi border.

Paul had the opportunity to join the Search And Rescue team and flew in the helicopter to certain points in the desert to assist anyone requiring assistance or required transportation to hospital.



The bivouac clinic was busy from the afternoons into the late evenings with many musculoskeletal injuries, mainly involving motorbike riders.

Paul commented after the event:

"I am proud to represent the chiropractic profession at this level in elite sport but also for the Emirates Chiropractic Association, the National Chiropractic Sports Council UAE, and the Federation of International Sports Chiropractors (FICS)."

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