

Non-Invasive Neuromodulation Inclusion

The British Columbia College of chiropractors' scope of practice regulates the profession of Chiropractic and serves the interests of the public and all stake holders. A Doctor of Chiropractic is well trained to diagnose, treat and co-manage a variety of conditions suffered by human kind. Historically, these treatments include conditions central to the neuromusculoskeletal system and presently the continual advances in fields of clinical neuroscience and non pharmaceutical/surgical applications of therapies. Chiropractors are well positioned and trained to serve in a health care professional team in a patient based paradigm of health care.

The science specific to health care professional activities is constantly changing and the education of today's Chiropractor reflects these changes. Chiropractors are trained in the use of non-invasive neuromodulation, targeted vestibular therapies, fall prevention and balance therapies for the aging population that are evidence based and well-established. Current demands of Chiropractic practice direct and interdisciplinary collaboration to obtain superior patient outcomes and reduce the economic burdens of patients, government and third party payers.

There are an increasing number of BC young adults; youth and children's participation in team Sports such as soccer, flag football, hockey, lacrosse, Rugby, volleyball and field hockey. These activities have been and continue to be associated with risks of Sports-Related Concussions (SRC), Post-Concussion Syndrome, Vestibular Concussion and associated neuro-cognitive challenges. Many BC Chiropractors are well trained in the field of clinical neuroscience and neuro-rehabilitation methodologies that afford evidence based treatments/co-treatment for such conditions.

Evidence based neuromodulation treatment modalities such as non-invasive Vagus nerve stimulation (nVNS) using a transcutaneous electrical stimulation device, non-invasive trigeminal nerve stimulation (nTNS), non-invasive hypoglossal nerve stimulation (PONS-like device), vestibular therapy for whiplash-associated vestibular deficit, serve as current non invasive generally utilized therapies by health care professionals. These procedures are current and within the scope of practice of BC Chiropractors and serve as adjunct modalities to Chiropractic spinal and extra-spinal manipulation.

Regulations specific to the practice of Chiropractic should include current evidence based treatments utilizing well-researched neuromodulation modalities available in the field of clinical neuroscience to improve patient outcome beyond limited musculoskeletal methodologies. I propose that regulators include these evidence based treatments in the delineated practice of Chiropractic. The patients that we serve and our interdisciplinary collaborators need to be assured that the Doctor of Chiropractic in BC is supported by current evidence based statutory delineation of practice standards.

Sincerely,

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