Abstracts to be presented at the 36th Annual Scientific Meeting of the Canadian Pain Society, Charlottetown, Prince Edward Island, May 20 to 23, 2015, alphabetized according to the first author’s surname.

The Canadian Pain Society website provides scheduling information: https://canadianpainsociety.site-ym.com/?2015Program

Convention registrants will receive a complete program on site. Full-text abstracts appear on the Pain Research & Management website. Flash drives with full-text abstracts will be provided to all convention delegates.

Maternal sensitivity, maternal soothing behaviours, and infant pain during infant immunization. Nicole Atkinson, R Pillai Riddell, NM Racine, H Garfield, S Greenberg

Trends in tramadol use and abuse reported to the Ontario Poison Centre. Emily Austin, M Thompson, H Hudson, D Bernabeo, DJG Johnson, R Dart


Topical mannitol reduces capsaicin-induced pain: Results of a pilot level, double-blind randomized controlled trial. Helene Bertrand, M Kyriazis, KD Reeves, J Lyftogt, D Rabago

Benefit of dextrose prolotherapy in painful rotator cuff tendinopathy cases receiving physical therapy: A randomized controlled trial. Helene Bertrand, D Reeves, C Bennett

Interventional procedures for treatment of chronic pain. Anuj Bhatia

Development of an integrated online database (NOPAln) for acute pain management services. A Bhatia, A Buzon-Tan, S Walker, K Kirkham, D Ilangomaran, B Yau, S Alvi, R Brull

Predicting child pain outcomes from child and parent catastrophizing, anxiety and distress. Kathryn A Birnie, CT Chambers, J Chorney, CV Fernandez, PJ McGrath

Comparing apples to oranges? Appropriateness of the use of the Faces Pain Scale – revised and a numerical rating scale for parents’ ratings of their children’s pain. Katelynn E Boerner, KA Birnie, M Noel, L Caes, M Petter, CT Chambers

Validation of the Critical-Care Pain Observation Tool and vital signs in relation with the sensory and affective components of pain during mediastinal tube removal in postoperative cardiac surgery intensive care unit adults. Madalina Botto, JL Fiola, C Gelinas

Let’s meet in the middle: Integrating patient narratives and quantitative measures for a better understanding of the pain experience. Geoff Bostick

Management of fibromyalgia: A network meta-analysis of randomized controlled trials. Jason Busse

The role of satellite glial cells in the chronicity of muscle pain. Brian Cairns

Increased levels of fractalkine in the trigeminal ganglion sensitize temporals muscle nociceptors to mechanical stimulation. Brian E Cairns, Xu-Dong Dong, M O’Brien, P Gazerani

An analysis of child self-regulation across painful and non-painful contexts: The role of behavioural inhibition. Masa Calic, R Pillai Riddell, H Garfield, S Greenberg

Epigenetic impact of maternal skin-to-skin care during early pain exposure in healthy and preterm infants. Marsha Campbell-Yeo

Mechanisms, outcomes, and mobilization of maternally-led interventions for newborn care. Marsha Campbell-Yeo

Self-compassion: A potential facilitator of activity pacing? Douglas Cane, M McCarthy

Addressing sleep problems in individuals with chronic pain. May Caprio, L Cundiff, W Davis, D Buna

What we have learned and what we still don’t know about visceral pain. Fernando Cervero

It doesn’t have to hurt: Disseminating effective strategies to reduce immunization pain and fear in children using YouTube. Christine Chambers

Characteristics of chronic non-cancer pain (CNCP) patients prescribed opioids post publication of canadian guideline for safe and effective use of opioids at the point of entry to a tertiary care pain clinic. Ahana Chatterjee, Nivan Zoheiry, S Fatima Lakha, Angela Mailis-Gagnon

Predictors of children’s preoperative anxiety. Jill Chorney

Central triage and improving the consultation process for patients with chronic pain. Alexander J Clark

The implementation of the transitional pain service: Successes and challenges. Hance Clarke

Social media for promoting knowledge exchange among interested members of the public. Lynn Cooper

Abuse deterrent opioids in opioid-dependent population: What makes research ethical? Jack Corman

From research to clinical practice: The development and clinical testing of a cognitive-behavioral couple therapy for vulvodynia. Serena Corsini-Munt

How does your brain respond to pain? A TED-Ed YouTube animation. Karen Davis

Spinal cord stimulation alters cortical pain evoked responses in neuropathic pain patients. Cecile de Vos, JO Niso Galan

Pain management and reducing length of stay in total joint patients. Kristine Desjardine, A Rostas

Are we making the grade? An assessment of the quality of the evidence for skin-to-skin contact in reducing newborn pain. Timothy Disher, B Benoit, C Johnston, M Campbell-Yeo

Black and white and read all over: The College of Family Physicians of Canada (CFPC) tackles the issue of medical marijuana. Ruth Dubin
Successful dissemination of the Stanford Chronic Pain Self-management Program in south-eastern Ontario. Ruth E Dubin, D Deptuck, A Young, C King Van-Vlack, M O’Leary, J Webb

Evolution of disability in workers with low back pain is associated with psychological symptoms. Jean-Daniel Dubois, M Piché, M Descarreaux

A critical appraisal and grade analysis of RCTs of hypnotherapy for the treatment of chronic pain. Jeffrey H Ennis, K Poole, GL Ennis

Opioid prescribing in Worker’s Compensation chronic pain patients in New Brunswick. R Thomas Evans, DJ French


Patient medication usage pre and post admission to a multidisciplinary inpatient complex pain program. Ingrid Fedoroff, M Ong-Lam, A Borowska

Capacity building in healthcare: Cross-cultural perspectives of pain assessment and management. G Allen Finley

The ChildKind International initiative – an organizational accreditation process for pain prevention and management. G Allen Finley

Investigating the analgesic effect for structural derivatives of the novel analgesic isoavoline. Timothy Fung, E Puil, BA MacLeod

Replication of a Successful Model: The Experience and Challenges of the ECHO Ontario. Andrea Furlan

An examination of the association between pain and family functioning using the interRAI Child and Youth Mental Health (CHYMH) instrument. Natasha Gallant, K Arbeau, C Liu, S Stewart

The relationships between child and parent preschool immunization anxiety. Hannah Gennis, L Campbell, R Pillai Riddell, H Garfield, S Greenberg

Child sex differences in caregivers’ and health professionals’ verbalizations during preschool immunizations. Hannah Gennis, N Racine, R Pillai Riddell, H Garfield, S Greenberg

A review of safe and effective strategies when treating pain patients with co-morbid substance use: Lessons learned from the management of methadone-maintained patients. Pierre Geoffroy

Anxiety and pain catastrophizing as predictors for duloxetine efficacy in the treatment of fibromyalgia. Lydia Girard-Tremblay, K Daigle, A Masetto, G Boire, S Marchand, P Goffaux

Clinicians’ knowledge of the current diagnostic criteria for myofascial pain syndrome. Liza Grosman-Rimon, J Katz, H Clarke, S Ahmed, D Kumbhare

A pilot study: Circulating biomarkers in myofascial pain syndrome. Liza Grosman-Rimon, WL Parkinson, D Kumbhare

Influence of cancer pain-related beliefs on Taiwanese cancer patients’ pain-related experiences. Shu-Liu Guo, D Howell, J Watt-Watson, M McGillon, YC Sung

Tetrodotoxin for moderate to severe cancer-related pain: A multicentre, randomized, double-blind, placebo-controlled, parallel-design trial. Neil A Hagen, L Cantin, J Constant, T Haller, G Blaise, M Ong-Lam, P du Souich, W Kor, B Lapointe

Be sweet to babies: Using YouTube as a means to disseminate effective pain management strategies for infants. Denise Harrison

Pain catastrophizing: Time for v2.0? Jennifer A Haythornthwaite

Meta-analysis of pain, health and psychological outcomes in children of parents with chronic pain. Kristen Higgins, KA Birnie, CT Chambers, AC Wilson, L Caes, AJ Clark, M Lynch, J Stinson

Synaptic NMDA receptors in spinal mechanisms of pain processing. Michael Hildebrand

An introduction to integrative and natural complementary cancer care with a special focus on cancer related pain. Paul Hrkal

Mobile technology for management of chronic pain: Development and implementation of a smartphone pain app. Robert N Jamison

Family physicians and treatment of chronic non-cancer pain: An educational needs assessment. Nancy Julien, H St-Amant, M Ware, A Lacasse

How to conduct, report, and use network meta-analyses for pain research. Sun Makosso Kallyth

Bariatric surgery and pain: Are we doing the right thing? P Kastanias, S Robinson, F Paat, W Wang, C Lopez, A Buzon-Tan


Expanding healthcare access through education: Project ECHO. Joanna G Katzman


Catastrophizing and behavioural coping as predictors of physical and mental quality of life in chronic prostatitis/chronic pelvic pain syndrome (CP/CPPS). Adrijana Krsmanovic

Brain dynamics of intrinsic attention to pain. Aaron Kucyi


Knowledge, beliefs and attitudes about chronic pain, its impacts and its treatment: a cross-sectional survey of the Quebec general population. Anaïs Lacasse, M Choinière, J-A Connelly

Who is at risk for chronic post-surgical pain? Exploring the pre and post-operative period. Salima Ladak

Framework for characterizing services for the management of chronic non-cancer pain in global cities. S Fatima Lakha, P Pennenfather, P Ballantyne, HE Badr, M Agboattawa, A Mailis

Chronic non-cancer pain management in Toronto: A study of teaching-hospital based services offered in chronic pain clinics. S Fatima Lakha, P Pennenfather, P Ballantyne, A Mailis

Optimizing pain management for the highly opioid tolerant (H.O.T.) patient having surgery. Lynn Langille, P Hammond, G Launcelott, D Milne, D Davis

Culture clash: Aboriginal people’s experiences seeking pain care and healthcare providers’ perspectives. Margot Latimer

The fine line between gain and loss: A genetic characterization of P2RX7 and its relevance to pain. Katerina S Lichtenwalter, RN Lichtenwalter, AR Ase, M Niu, P Sagueia, S Komarova, GD Slade, R Dubner, RB Fillingim, JD Greenspan, RK Ohrbach, C Knott, BS Weir, W Maixner, LB Diatchenko

“All my joints hurt, and my doctor thinks I’m crazy”. Karl J Logan

The efficacy of cannabinoids for the treatment of pain: Results of a systematic review. Mary Lynch

The pain of others: Empathy’s influence on anxiety- and depression-like behaviour in female mice. Sioui Maldonado-Bouchard, A Klein, JS Mogil
Sex differences in the involvement of spinal P2X4 receptors and BDNF in pain hypersensitivity induced by peripheral nerve injury. Josiane CS Mapplebeck, S Beggs, JS Mogil, MW Salter

The modulation of pain by social and environmental stress. Loren J Martin

Male-specific conditioned pain hypersensitivity in mice and humans. Loren J Martin, EL Acland, AD Chen, B Kadoura, S Mirali, E Corley, S Tohyama, W Gandhi, P Schweinhardt, JS Mogil

Exploring the relationship between self-compassion, chronic pain and well-being. Mary McCarthy, D Cane

Pain signalling by proteolytic enzymes. Jason McDougall

Neurophysiological evidence of a neuropathic component of osteoarthritis pain. Jason J McDougall

Health-focused social media, “dos” and “don’ts” for content creation and user engagement. Rob McEwan

Performance metrics of a web-based cardiac pain knowledge dissemination platform fueled by social media. Michael McGillon

Addressing the barriers to chronic pain management: Building capacity and creating virtual interprofessional teams through telemedicine. Mandy McGlynn

Development of a painless injection device applying pressure, vibration and temperature. William McKay, R Gustatk, T Bolton, A Frost, A Wang, B Kushnerji, J Cowen, D Chen

Nasty needles! Children’s perceptions and experiences of needle procedures. C Meghan McMurtry

EDS heterogeneity: A foray into the diagnostic dilemma. Howard Meng, L Pink, D Paneduro, A Gordon

Psychosocial mediators and moderators of the catastrophizing-affective pain relationship in interstitial cystitis/bladder pain syndrome (IC/BPS). Abi Muers

Can a nurse initiated pain protocol (NIPP) improve pain management in the ED? Janice Muir, G Ashby, A Dewar, P Munro, B Parappilly, A Kinkade, J Marsden, E Grafstein

The evolution of evidence synthesis methods in clinical research. Sohail Mulla

Predictors of successfully managing depressive symptoms among chronic pain patients. Sohail Mulla, EG Hapido, SM Kallyth, DN Buckley, JW Busse


Chronic scrotal pain syndrome: Clinical characteristics of this common but poorly understood condition. Hassan Mustaneer, A Gordon, K Jarvi, D Paneduro, T Smeenke, S Lau

The Prodomal Symptoms Screening Scale [ps-ss]: Psychometric assessment. Sheila O’Keefe-McCarthy, S-L Guo

Prodomal symptoms – a complicated clinical challenge. Sheila O’Keefe-McCarthy, Linda Ready

Understanding the relationship between culture and infant pain behaviour: Are caregiver behaviours the mechanism? Monica O’Neill

RC Dart Caregiver culture, caregiver behaviours, and infant immunization pain at 2 minutes post-needle at 12 months of age. Monica C O’Neill, R Pillai Riddell, H Garfield, S Greenberg

Genetics and fibromyalgia: Study on the relationship between 5HT2a and fibromyalgia. Toreno Onojighofia, B Meshkin, D Schwarz, B Akindele, J Hubbard, Mary Knauer

Genetics and migraine: Study on the relationship between COMT and migraine. Tobore Onojighofia, B Meshkin, D Schwarz, B Akindele, J Hubbard, Mary Knauer

Risk of opioid abuse and biopsychosocial characteristics associated with this risk among chronic pain patients attending a multidisciplinary pain treatment facility. M Gabrielle Pagé, H Saidi, M Ware, M Choinière

Infusion techniques for neuropathic pain. Philip Peng

The interdisciplinary approach to assess and manage cancer pain. Jordi Perez

Initial clinical response to methadone in cancer pain patients. Jordi Perez, S Olivier, J Borniardi

“Methadone registry”, a prospective audit of patients with chronic non-cancerous pain treated with methadone at the Alan Edwards Pain Management Unit (AEPMU), McGill University Health Centre. Jordi Perez, Y Shir

Observational trial of qigong as a complementary practice in a chronic pain program. Meghan Pike, J Sawynok, M Lynch, AJ Clark, D Marcon

Optogenetic investigation of somatosensory encoding. Steve Prescott

Opioid blockade decreases subjective ratings of relief. Rebecca Price, W Gandhi, M-E Hoeppli, S Becker, P Schweinhardt

Let’s talk about sex: The role of sexual communication in couples’ pain experience and sexual adjustment to vulvodynia. Kate Rancourt

Key issues related to mHealth and pain care in later life. M Cary Reid Jr

The anticipatory medical procedure distress model: Understanding developmental pathways to pediatric fear prior to painful procedures. Rebecca Pillai Riddell

Evolution of allied health and nursing roles through Project ECHO Ontario pain: From clinical care to a mentorship model. Amy Robidas, DW Clark

Living a valued life despite painful intercourse: Acceptance of chronic pain in women with vulvodynia and their partners. Natalie O Rosen

Complete reversal of neuropathic and inflammatory allodynia in pregnant mice. Sarah Rosen, A Chen, J Austin, JS Mogil

The relationship between preoperative pain-related fear-avoidance and post-operative pain and physical activity after pediatric major surgery. Brittany N Rosenbloom, MG Page, F Campbell, L Isaac, J Stinson, S Razavi, K Chin, J Katz

Cerebral mechanisms of pain avoidance learning. Mathieu Roy

Long-term effectiveness of opioids among chronic non-cancer pain patients attending a multidisciplinary pain treatment facility: A Quebec Pain Registry study. Hichem Saidi, G Pagé, M Ware, M Choinière

Prevalence of opioid use and characteristics associated with opioid use profile among chronic non-cancer pain patients attending a multidisciplinary pain treatment facility: A Quebec Pain Registry study. Hichem Saidi, G Pagé, M Ware, M Choinière

“All my joints hurt, and it’s getting on my nerves”. Michael Sangster

Pain following unilateral total knee arthroplasty: a randomized controlled trial examining the analgesic effectiveness of a combined adductor-canal peripheral nerve block with periarticular infiltration vs adductor-canal nerve block alone vs periarticular infiltration alone. Mona Sawhney, H Medhan, R Bowry, B Kashin, M Bent, G Ip, L Jussaume, J Prouman, K Clarke
Are boys’ and girls’ pain judged the same? The impact of caregiver judgment of children’s pain. Meghan Schinkel, KE Boerner, CT Chambers, CM McMurtry
Integrating the subjective experience of pain into clinical practice from the perspective of a pain psychologist. Whitney Scott
Development of an online, therapist-assisted administration of acceptance and commitment therapy for chronic pain. Whitney Scott, LM McCracken, L Forrester
Trainee session: Career paths in pain research and practice. Whitney Scott, Irene Tracey, Mark A Ware, Fernando Cervero
Optical control of peripheral pain pathways for effective analgesia. Philippe Seguela
Assessment of objectives and methodological approaches for assessing abuse deterrent opioids in dependent and methadone-maintained patients. Beatrice Setnik
Transborder trafficking of prescription opioids in Canada and the United States. Stevan G Severtson, JL Green, N Dasgupta, MS Ellis, TJ Cicero
Spinal cord stimulation for neuropathic pain. Mohammed F Shamji
Use of neuropathic pain questionnaires in predicting the development of failed back surgery syndrome following lumbar discectomy for radiculopathy. Mohammed F Shamji
Mechanical allodynia following disc herniation requires intraneuronal macrophage infiltration and can be strategies limiting macrophage activity. Mohammed F Shamji, JY Tu, MW Salter
Implantation of a new triage system of patients referred to the pain unit at McGill University Health Centre. Yoram Shir
Intrathecal drug delivery in cancer pain at end-of-life: Experience of the Ottawa Hospital Complex Cancer Pain Program. Catherine Smyth
Getting the patient to the right place: An evolving system. Chris Spanswick
The SickKids Pain Centre QIP initiative to increase pain competencies and improve clinical practice outcomes. Bonnie Stevens
An interdisciplinary approach to moving patients forward in management of chronic pain. Joanne Stewart, Jennifer Moore, Darlene Davis
Understanding the use of over-the-counter pain treatments in adolescents with chronic pain: Perspectives of adolescents with chronic pain and their primary caregivers. Jennifer Stinson, F Campbell, L Isaac, S Brown, J Tyrrell, D Ruskin, M Jeavons, A Aying Campos, C Laloo, L Harris
The relationship between progressive disc degeneration, pathological disc innervation and behavioural changes in a rodent model of low back pain. Laura Stone
Distraction from pain by a working memory task – evidence for a tradeoff between pain and task processing. Vanessa Tabry, P Brouillard, M Lussier, J Buhle, P Rainville, L Bherer, M Roy
Regulation of neuronal excitability of peripheral nociceptors via post-translational modification of voltage-gated calcium channels. Slobodan Todorovic
Keynote Speaker: Mary Ellen Jeans Lecture: Understanding human pain perception and analgesia through advanced neuroimaging. Irene Tracey
Mechanisms in the relationship between catastrophizing and pain in inflammatory bowel disease (IBD). Dean Tripp
A meta-regression analysis of placebo response in clinical trials of neuropathic pain. Alexander H Tuttle, S Tohyama, T Ramsay, J Kimmelman, P Schweinhardt, GJ Bennett, JS Mogil
Pelvic girdle myopathy caused by isotretinoin: Case report and discussion of pathophysiology. Muhammad Umair Khan, A Bruce Janati
A neurological model of vulnerability for chronic pain. Etienne Vachon-Presseau
"All my joints hurt, and it's my parents’ fault". Anthony Vandersteen
Does culture influence the experience of neck pain? Howard Vernon, W Goodman, RR Weaver, M Monticone, G Guy, M Bakhtadze, M Bednarikova, J Crawford, N Kesiklas
Interdisciplinary management of subacute low back pain in primary care: Preliminary evaluation of a novel program in Quebec. Mark Ware, S Ahmed, O Elayyan, R Visca
The safety of medical cannabis: Old approaches and new applications. Mark A Ware
Enhancing pain competencies through an interprofessional pain curriculum. Judy Watt-Watson
Development of cardiovascular indices of acute needle pain responding in preterm and term born infants. Jordana A Waxman, A Pinhasov, P Tablon, R Pillai Riddell
Effects of early adversity on maternal care and epigenetic mechanisms mediating long-term development: A new role for the chromatin-remodelling protein ATRX. Ian Weaver
Psychological intervention for post-surgical pain in the transitional pain service. Aliza Weinrib
Conceptualizing the “I” and “You” of pain: Introducing the novel measurement model of pain as a means of relating first and third-person perspectives of pain. Timothy H Wideman
Perceived injustice and ratings of pain, depression and anger in university students undergoing and experimental pain induction procedure: Scale development and validation. Esther Yakobov, T Vrinceanu, MJL Sullivan
Optogenetic approaches to understanding chronic pain. Gerald W Zamponi
A lipid kinase that regulates nociceptive signaling and sensitization. Mark Zylka