

CONFERENCE PROGRAM - WEDNESDAY MAY 8, 2013

6:30 am **REGISTRATION OPEN**7:00 am – 9:00 am **CONTINENTAL BREAKFAST**7:30 am – 8:30 am **CAPM ANNUAL GENERAL MEETING**8:45 am – 9:00 am **OPENING REMARKS**

Judy Watt-Watson, RN, MSc, PhD, Professor Emerita, LS Bloomberg Faculty of Nursing, University of Toronto, Toronto, Ontario
President, Canadian Pain Society

Chair: Jennifer Stinson, RN-EC, PhD, CPNP, Scientist, Child Health Evaluative Sciences, Nurse Practitioner, Chronic Pain Program, The Hospital for Sick Children, Toronto, Ontario;
2013 Scientific Program Chair, Canadian Pain Society

GREETINGS AND WELCOME FROM PARLIAMENT

Patrick Martin, Member of Parliament, Winnipeg Centre

9:00 am – 9:45 am

Keynote Speaker: Mary Ellen Jeans Lecture
FROM MECHANISMS TO MEDICINES: THERE'S MANY A SLIP 'TWIXT CUP AND LIP

Chair: Jeffrey S. Mogil, PhD, E.P. Taylor Professor of Pain Research, Canada Research Chair in the Genetics of Pain (Tier I), Department of Psychology and Alan Edwards Centre for Pain Research, McGill University, Montreal, Quebec;
2013 Scientific Program Co-Chair, Canadian Pain Society



Invited Speaker: Robert H. Dworkin, PhD, Professor of Anesthesiology, Neurology, Oncology, and Psychiatry; Professor of Neurology in the Center for Human Experimental Therapeutics; Director, Analgesic, Anesthetic, and Addiction Clinical Trial Translations, Innovations, Opportunities, and Networks (ACTTION), a public-private partnership with the FDA, University of Rochester School of Medicine and Dentistry, Rochester, New York

Learning Objectives:

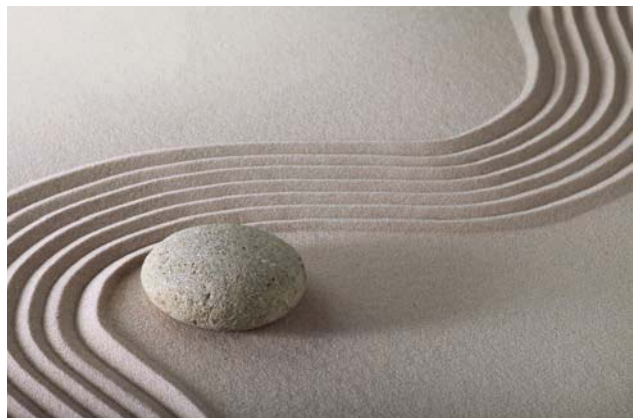
1. To review explanations for false positive and negative results in chronic pain clinical trials.
2. To describe research efforts and various initiatives designed to decrease false positive and negative results.
3. To discuss the implications of false positive and negative results for developing chronic pain treatment recommendations.

A substantial percentage of patients with chronic pain are refractory to existing pharmacologic treatments, and the patients who do respond to these treatments typically obtain only partial relief of their pain. Considerable effort is therefore being devoted to the development of new treatments for chronic pain that provide either meaningful benefits to larger percentages of patients or greater pain relief for those who do respond to treatment. This presentation will discuss research efforts and various initiatives designed to decrease false positive and false negative results and thereby potentially accelerate the identification of analgesic medications with improved efficacy and safety. The challenging implications of the results in recent clinical trials for developing treatment recommendations for patients with chronic pain will also be briefly discussed.

9:45 am – 10:30 am

REFRESHMENT BREAK AND TRADESHOW

10:30 am – 12:00 pm

CONCURRENT SESSIONS – CHOOSE ONE OF THE FOLLOWING – 101, 102 or 103

CONFERENCE PROGRAM - WEDNESDAY MAY 8, 2013 (cont'd)
SESSION 101
ETHICAL CONTROVERSIES IN PAIN RESEARCH

10:30 am – 12:00 pm

Chair: Christine T. Chambers, PhD, Dalhousie University & IWK Health Centre, Halifax, Nova Scotia

Speakers: Christine T. Chambers, PhD, Dalhousie University & IWK Health Centre, Halifax, Nova Scotia; **Joel Katz, PhD**, Department of Psychology, York University, Department of Anesthesia and Pain Management, Toronto General Hospital and University of Toronto, Toronto, Ontario; **Jeffrey S. Mogil, PhD**, E.P. Taylor Professor of Pain Research, Canada Research Chair in the Genetics of Pain (Tier I), Department of Psychology and Alan Edwards Centre for Pain Research, McGill University, Montreal, Quebec

WORKSHOP OBJECTIVE:

The scientific study of pain often involves the application of painful stimuli and/or the withholding of pain relief in research subjects. Guidelines exist for the ethical conduct of pain research with humans and animals, yet challenges still arise. This symposium will describe ethical issues encountered by pain researchers, with examples from pediatric, adult, and animal studies.

Learning Objectives:

1. To identify ethical issues commonly encountered in pain research.
2. To consider the necessity of experimentally induced pain on children and animals.
3. To understand the ethics of deception in human experimental pain research.

USE OF EXPERIMENTALLY-INDUCED PAIN IN CHILDREN: ETHICAL ISSUES AND OPPORTUNITIES
Christine T. Chambers, PhD, Dalhousie University & IWK Health Centre, Halifax, Nova Scotia

DECEPTION IN EXPERIMENTAL HUMAN PAIN RESEARCH: IS THERE AN ALTERNATIVE?
Joel Katz, PhD, Department of Psychology, York University, Department of Anesthesia and Pain Management, Toronto General Hospital and University of Toronto, Toronto, Ontario

ETHICS OF ANIMAL PAIN RESEARCH: A PERSONAL PERSPECTIVE
Jeffrey S. Mogil, PhD, E.P. Taylor Professor of Pain Research, Canada Research Chair in the Genetics of Pain (Tier I), Department of Psychology and Alan Edwards Centre for Pain Research, McGill University, Montreal, Quebec

SESSION 102
SAFE AND EFFECTIVE PRESCRIBING CONTROLLED SUBSTANCES FOR PAIN MANAGEMENT:
STRATEGIES FROM THE OFFICE TO THE COMMUNITY

10:30 am – 12:00 pm

Chair: Hance Clarke, MD, MSc, FRCPC, PhD(c), Department of Anesthesia and Pain Management, University of Toronto, Toronto, Ontario

Speakers: Peter MacDougall, PhD, MD, FRCPC, Department of Anesthesia, Pain Management and Peri-operative Medicine, Dalhousie University, Director Nova Scotia Chronic Pain Collaborative Care Network, Halifax, Nova Scotia; **John Fraser, MD**, Pain Management Unit, QEII Health Sciences Center, Victoria General Hospital, Halifax, Nova Scotia; **Rhea MacDonald, MD**, Inverness Medical Clinic, Inverness, Nova Scotia

WORKSHOP OBJECTIVES:

1. Review the current literature as it pertains to the process of controlled substance prescribing and boundary setting in this context.
2. Review the current literature regarding opioid and controlled substance monitoring.
3. Provide practical strategies for prescribing process, boundary management and monitoring of controlled substance prescribing.
4. Describe a practical strategy for management of controlled substance prescribing as a community.

Learning Objectives:

1. Participants will gain an understanding of the concepts of healthy prescribing process and boundary management as they relate to controlled substance prescribing.
2. Participants will learn appropriate strategies to develop monitoring processes for opioid use/abuse in the management of chronic non-cancer pain.
3. Participants will have a better understanding of the need to develop community strategies to manage controlled substance prescribing.

SAFE AND EFFECTIVE PRESCRIBING OF OPIOIDS AND CONTROLLED SUBSTANCES: PROCESS AND BOUNDARIES
Peter MacDougall, PhD, MD, FRCPC, Department of Anesthesia, Pain Management and Peri-operative Medicine, Dalhousie University, Director Nova Scotia Chronic Pain Collaborative Care Network, Halifax, Nova Scotia

EFFECTIVE MONITORING OF CONTROLLED SUBSTANCE PRESCRIBING
John Fraser, MD, Pain Management Unit, QEII Health Sciences Center, Halifax, Nova Scotia

A COMMUNITY APPROACH TO MANAGEMENT OF PRESCRIBING CONTROLLED SUBSTANCES
Rhea MacDonald, MD, Inverness Medical Clinic, Inverness, Nova Scotia

CONFERENCE PROGRAM - WEDNESDAY MAY 8, 2013 (cont'd)
SESSION 103
CONSIDERING CULTURAL CONTEXT OF PAIN IN ABORIGINAL PEOPLE: LINKING REALITY, RESEARCH, EDUCATION AND PRACTICE
 10:30 am – 12:00 pm

Chair: Margot Latimer, RN, PhD, Dalhousie University, IWK Health Centre, Halifax, Nova Scotia

Speakers: Margot Latimer, RN, PhD, Dalhousie University, IWK Health Centre, Halifax, Nova Scotia; Sam Wong, MD, FRCPC, University of Alberta, Canadian Pediatric Society, Edmonton, Alberta; Katherine Harman, BSc (PT) MSc, PhD, Dalhousie University, Halifax, Nova Scotia

WORKSHOP OBJECTIVE:

The aim of these inter-professional symposia is threefold: to share with audience member's historical and cultural information about Aboriginal people which may influence their conceptualization and expression of pain; to share research related to understanding how Aboriginal people express pain; and to review education strategies to enhance clinician knowledge related to providing pain care to Aboriginal people.

Learning Objectives:

1. To understand the role historical events and cultural perspectives may play on Aboriginal peoples' expression of pain and subsequent pain-related health conditions.
2. Become more confident in understanding how Aboriginal peoples' pain may be interpreted by clinicians.
3. Become familiar with a sample of post-secondary education strategies that have been piloted in inter-professional and medical schools to enhance student understanding of health issues in Aboriginal people and the need to develop heightened pain care skills.

CULTURAL AND HISTORICAL CONSIDERATIONS IN PAIN CARE FOR ABORIGINAL PEOPLE-WHAT DO WE KNOW?

Margot Latimer, RN, PhD, Dalhousie University, IWK Health Centre, Halifax, Nova Scotia

MANY HANDS ONE DREAM: CANADIAN PEDIATRIC SOCIETY RESIDENT TRAINING INITIATIVE TO ENHANCE ABORIGINAL WELLNESS

Sam Wong, MD, FRCPC, University of Alberta, Canadian Pediatric Society, Edmonton, Alberta

UNIVERSITY-BASED INTER-PROFESSIONAL HEALTH EDUCATION INITIATIVE: CONSIDERING CULTURE AND PAIN IN ABORIGINAL PEOPLE

Katherine Harman, BSc (PT) MSc, PhD, Dalhousie University, Halifax, Nova Scotia

12:00 pm – 1:30 pm

BUFFET LUNCHEON AND TRADESHOW

12:00 pm – 1:30 pm

CPF MEETING AND LUNCHEON

1:30 pm – 3:00 pm

CONCURRENT SESSIONS – CHOOSE ONE OF THE FOLLOWING – 104, 105, OR 106

SESSION 104
TRAINEE SESSION – EFFECTIVELY TRANSLATING YOUR RESEARCH TO OTHER RESEARCHERS, CLINICIANS, AND THE PUBLIC
 1:30 pm – 3:00 pm

Chair: Kathryn A. Birnie, BA (Hons), PhD Student, Clinical Psychology, Dalhousie University, Halifax, Nova Scotia

Speakers: Jeffrey S. Mogil, PhD, E.P. Taylor Professor of Pain Research, Canada Research Chair in the Genetics of Pain (Tier I), Department of Psychology and Alan Edwards Centre for Pain Research, McGill University, Montreal, Quebec; Rob McEwan, Corporate Communications Post-Graduate Diploma, Seneca College and Bachelor of Arts, York University, Vice President, Argyle Communications, Toronto, Ontario; Mary E. Lynch, MD, FRCPC, Dalhousie University, Halifax, Nova Scotia

WORKSHOP OBJECTIVES:

Given the commonplace experience of pain, new findings in pain research often generate great media attention and high public interest. Furthermore, with advancing technologies, there are increasing opportunities to share research findings through both formal and informal avenues. However, pain research is often highly specialized. It is our responsibility as pain researchers to make our work understandable, interesting, and relevant to others. The aim of this trainee-oriented symposium is to offer guidance and skills to clinical and basic science trainees for effectively sharing their research with multidisciplinary researchers, clinicians, the media, and the public. Discussion amongst attendees will be encouraged.

Learning Objectives:

1. To learn strategies for effectively presenting scientific research to multidisciplinary audiences of researchers and clinicians.
2. To gain awareness and skills for effectively communicating scientific findings to the media and the public.
3. To increase exposure to the role pain researchers and clinicians can play in advocating for better pain management within the field, with politicians, and with the public.

BREAKING FREE OF THE LAB: TIPS FOR TRANSLATING RESEARCH TO THE WIDEST POSSIBLE AUDIENCE

Jeffrey S. Mogil, PhD, E.P. Taylor Professor of Pain Research, Canada Research Chair in the Genetics of Pain (Tier I), Department of Psychology and Alan Edwards Centre for Pain Research, McGill University, Montreal, Quebec

CUTTING THROUGH THE CLUTTER: PROMOTING YOUR MESSAGES TO THE MASSES

Rob McEwan, Corporate Communications Post-Graduate Diploma, Seneca College and Bachelor of Arts, York University, Vice President, Argyle Communications, Toronto, Ontario

PAIN ADVOCACY IN A PAIN HATING WORLD

Mary E. Lynch, MD, FRCPC, Dalhousie University, Halifax, Nova Scotia

CONFERENCE PROGRAM - WEDNESDAY MAY 8, 2013 (cont'd)
SESSION 105
THE SIDE EFFECTS OF OPIOID USE: FROM GENES AND CELLS TO THE HUMAN PATIENT

1:30 pm – 3:00 pm

Chair: Tuan Trang, PhD, University of Calgary, Calgary, Alberta

Speakers: Tuan Trang, PhD, University of Calgary, Calgary, Alberta; Catherine Cahill, PhD, Associate Professor, Department of Anaesthesiology & Perioperative Care, University of California, Irvine, California; Lori Montgomery, MD, CCFP, University of Calgary, Calgary, Alberta

WORKSHOP OBJECTIVE:

Opioid drugs are critical in pain therapy but their use is plagued with debilitating side effects, such as analgesic tolerance, opioid induced hyperalgesia, and drug dependence. This session focuses on new discoveries made in understanding the cellular processes that are responsible for the unwanted side effects of opioid use and the clinical translation of these discoveries at the level of molecules and cells to the human patient.

Learning Objectives:

1. Understand the cellular targets of opioid drugs in the central nervous system and their role in producing the side effects associated with opioid use.
2. Appreciate the mechanistic relationship between opioid induced hyperalgesia and tolerance.
3. Recognize the clinical significance of the unwanted side effects of opioid use in patients.

THE X FACTOR: P2X4 RECEPTORS IN OPIOID THERAPY

Tuan Trang, PhD, University of Calgary, Calgary, Alberta

MODULATION OF OPIOID TOLERANCE AND HYPERALGESIA BY ULTRA-LOW DOSE NALOXONE OCCURS INDEPENDENTLY OF TOLL-LIKE RECEPTOR-4

Catherine Cahill, PhD, Associate Professor, Department of Anaesthesiology & Perioperative Care, University of California, Irvine, California

MANAGING ADVERSE EFFECTS OF OPIOID USE IN THE CHRONIC PAIN PATIENT

Lori Montgomery, MD, CCFP, University of Calgary, Calgary, Alberta

SESSION 106
WHEN "JUST DO IT" JUST WON'T DO: EXPLORING THE COMPLEX RELATIONSHIPS BETWEEN PHYSICAL ACTIVITY AND PAIN

1:30 pm – 3:00 pm

Chair: Susan M. Tupper, PT, PhD, University of Saskatchewan, Saskatoon, Saskatchewan

Speakers: Susan M. Tupper, PT, PhD, University of Saskatchewan, Saskatoon, Saskatchewan; Nancy C. Gyurcsik, PhD, University of Saskatchewan, Saskatoon, Saskatchewan; Brian W. Timmons, PhD, McMaster University, Hamilton, Ontario

WORKSHOP OBJECTIVE:

Regular physical activity participation is frequently prescribed as a key treatment recommendation for individuals living with persistent pain conditions. However, this population faces unique obstacles when engaging in and maintaining activity programs. This workshop will explore barriers to physical activity adherence and the short and long-term relationships between activity, inflammation and pain in diverse clinical populations. Findings from lab-based, survey, observational and interventional research will be presented.

Learning Objectives:

1. Describe the short-term relationship between daily activity, sedentariness, and pain in youth with chronic pain conditions.
2. Describe relationships between theory-based activity-specific and disease-specific beliefs and adherence to the recommended dose of physical activity for arthritis management.
3. Describe the relationship between physical activity and biomarkers of inflammation in children with a chronic inflammatory disease.

THE SHORT TERM RELATIONSHIP BETWEEN ACTIVITY, INACTIVITY AND PAIN FOR YOUTH WITH CHRONIC PAIN CONDITIONS

Susan M. Tupper, PT, PhD, University of Saskatchewan, Saskatoon, Saskatchewan

IT'S NOT ONLY ABOUT THE PAIN: UNDERSTANDING THE ROLE OF ACTIVITY-SPECIFIC AND DISEASE-SPECIFIC BELIEFS IMPORTANT FOR PHYSICAL ACTIVITY ADHERENCE FOR BETTER ARTHRITIS SELF-MANAGEMENT

Nancy C. Gyurcsik, PhD, University of Saskatchewan, Saskatoon, Saskatchewan

IS PHYSICAL ACTIVITY AN ANTI-INFLAMMATORY THERAPY FOR CHILDREN WITH A CHRONIC INFLAMMATORY DISEASE?

Brian W. Timmons, PhD, McMaster University, Hamilton, Ontario

3:00 pm – 3:30 pm

REFRESHMENT BREAK & TRADESHOW

3:30 pm – 4:15 pm

SPECIAL INTEREST GROUP MEETINGS - CHOOSE ONE OF THE FOLLOWING - 107, 108 OR 109

CONFERENCE PROGRAM - WEDNESDAY MAY 8, 2013 (cont'd)

SESSION 107
 EDUCATION SIG MEETING
 3:30 pm – 4:15 pm

SESSION 108
 NEUROPATHIC PAIN SIG MEETING
 3:30 pm – 4:15 pm

SESSION 109
 INTERVENTIONAL PAIN SIG MEETING
 3:30 pm – 4:15 pm

4:15 pm – 4:45 pm

**INTERPROFESSIONAL PAIN EDUCATION PRESENTATION
 THE LONG AND WINDY ROAD OF PAIN-IPE EDUCATION DEVELOPMENT**

Chair: Gilles Lavigne, DMD, PhD, FRDC(c), hc, Faculté de médecine dentaire, Université de Montréal, Surgery and trauma dept, Hôpital du Sacré Cœur de Montréal, Montréal, Québec

CPS INTERPROFESSIONAL PAIN EDUCATION AWARD RECIPIENT 2013

Judi Hunter, BSc(PT), MSc, PhD, Assistant Professor, Departments of Physical Therapy, University of Alberta and University of Toronto, Curriculum Director, University of Alberta Certificate in Pain Management, Canada

Learning Objectives:

By the end of this session participants will:

1. Consider the breadth and depth of the meaning of IPE.
2. Consider the experiences of applying IPE theory to improve collaborative pain-care amongst clinicians who practice across the continuum of pain management settings.
3. Reflect on the joys and frustrations of maintaining awareness of stay aware of other's perspectives.

The practical aspects of developing pain-IPE is an exciting area, promising improved care for individuals' acute or chronic pain. The evidence for the best way to bridge the chasm between knowledge and collaborative pain management was essentially lacking only a decade ago. "Iterative" curriculum development was, and still is, a key strategy. I plan to take a light-hearted look my experiences along the way – and present exciting evidence for the future.

4:45 pm – 6:15 pm



**THE CRITICAL CHALLENGE OF PAIN IN YOUTH
 A CANADIAN PAIN SOCIETY AND CANADIAN PAIN COALITION CO-HOSTED PUBLIC EVENT**

Welcome: Judy Watt-Watson, RN, MSc, PhD, Professor Emerita, LS Bloomberg Faculty of Nursing, University of Toronto, Toronto, Ontario

President, Canadian Pain Society

Moderators: Mary E. Lynch, MD, FRCPC, Dalhousie University, Halifax, Nova Scotia

Past President, Canadian Pain Society

Lynn Cooper, BES, Kitchener, Ontario

President, Canadian Pain Coalition



Pain is under recognized and undertreated in Canada and in no area is this more troubling and profound than in pain in children and youth where the majority of Canadian children have no access to appropriate pain care. This forum is open to the general public and conference attendees; it will illuminate the challenges our young people face with undermanaged pain. The eminent panel of speakers will include Jean and Nathalie Boivin, parents of Dominic, a courageous young man who took his life in 2012 after being burdened by pain for 4 years. Dr. Leora Kuttner, a pediatric pain psychologist and documentary filmmaker, will screen her new film "Dancing with Pain", and Dr. Mary Lynch pain specialist and co-chair of the National Pain Strategy. Please join us in discussing solutions and strategies.

6:15 pm – 7:45 pm

OPENING WELCOME RECEPTION

FREE NIGHT

CONFERENCE PROGRAM - THURSDAY MAY 9, 2013

6:30 am

REGISTRATION OPEN

7:00 am – 8:30 am

CONTINENTAL BREAKFAST

7:30 am – 8:30 am

SYMPOSIA**OSTEOARTHRITIS PAIN - EVOLVING CONCEPTS**

SYMPOSIA

Chair: JASON J. McDOUGALL, BSC, PHD, Associate Professor, Departments of Pharmacology and Anaesthesia, Dalhousie University, Halifax, Nova Scotia

Speakers: Serge Marchand, PhD, Professor, faculté de médecine, Université de Sherbrooke, Centre de recherche clinique Étienne-Le Bel du CHUS, Sherbrooke, Québec;

Philip A. Baer, MDCM, FRCPC, FACP, Editor-in-chief, Journal of the Canadian Rheumatology Association, Chair, Section of Rheumatology, Ontario Medical Association, Scarborough, Ontario

Learning Objectives:

1. Review the evolving basic science of osteoarthritis pain.
2. Describe how OA pain can become centralized.
3. Translate basic science into practical clinical pain management.

OA PAIN - FROM NOCICEPTION TO CENTRAL SENSITIZATION

Serge Marchand, PhD, Professor, faculté de médecine, Université de Sherbrooke, Centre de recherche clinique Étienne-Le Bel du CHUS, Sherbrooke, Québec

Osteoarthritis (OA) is a frequent and important chronic pain problem resulting from the interaction of nociceptive and central sensitization mechanisms. During this presentation, I will introduce the neurophysiological mechanisms implicated in the development and persistency of OA pain and how central sensitization can be maintained by the continuous nociceptive activity. We will also discuss the role of endogenous excitatory and inhibitory mechanisms in chronic pain such as OA and the importance of understanding these mechanisms in adapting the treatments.

OA PAIN - DIAGNOSIS AND CLINICAL MANAGEMENT

Philip A. Baer, MDCM, FRCPC, FACP, Editor-in-chief, Journal of the Canadian Rheumatology Association, Chair, Section of Rheumatology, Ontario Medical Association, Scarborough, Ontario

Osteoarthritis (OA) is the most common form of arthritis, affecting over 4 million Canadians at tremendous personal and societal cost. It is a leading cause of disability. Pain and stiffness are the cardinal symptoms, leading to loss of function and often associated mood disturbance. OA can be diagnosed clinically without expensive investigations. Numerous OA Guidelines have been published in recent years. This presentation will focus on the 2012 American College of Rheumatology OA guidelines, which benefited from significant Canadian input. Emphasis will be on treatment with combination non-pharmacologic and pharmacologic therapies, addressing multiple pain pathways.



CONFERENCE PROGRAM - THURSDAY MAY 9, 2013 (cont'd)

8:30 am – 8:45 am

OPENING REMARKS

Chair: JENNIFER STINSON, RN-EC, PhD, CPNP, Scientist, Child Health Evaluative Sciences, Nurse Practitioner, Chronic Pain Program, The Hospital for Sick Children, Toronto, Ontario;
2013 Scientific Program Chair, Canadian Pain Society

8:45 am – 10:15 am

KEYNOTE SPEAKERS

Chair: LAURA S. STONE, PhD, Assistant Professor, Alan Edwards Centre for Research on Pain, Faculty of Dentistry, McGill University, Montreal, Quebec

8:45 am – 9:30 am

BRAIN LEARNING MECHANISMS AND TRANSITION TO CHRONIC PAIN

Speaker: A. Vania Apkarian, PhD, Professor of Physiology, Northwestern University, Chicago, Illinois

**Learning Objectives:**

1. Evidence that to date the best predictors of transition to chronic pain are brain anatomy and brain physiology.
2. Brain learning circuitry, the mesolimbic reward/aversion system, is intimately involved in transition to chronic pain.
3. Understanding the molecular mechanisms of this brain circuitry can lead to novel therapy approaches for at least preventing transition to chronic pain.

9:30 am – 10:15 am

MITOTOXICITY AS THE CAUSE OF CHEMOTHERAPY-INDUCED PERIPHERAL NEUROPATHY (CPN)

Speaker: Gary J. Bennett, PhD, Professor & Canada Senior Research Chair, Department of Anesthesia, Faculty of Dentistry, and the Alan Edwards Center for Research on Pain, McGill University, Montreal, Quebec



Chemotherapeutics in the vinca alkaloid, taxane, platinum-agent, and proteasome-inhibitor classes all produce a chronic distal symmetrical sensory neuropathy that is often accompanied by neuropathic pain. Even though these drugs have distinctly different anti-cancer mechanisms of action, clinical accounts suggest that these chronic neuropathies are very similar. Work with rat models of paclitaxel-, oxaliplatin-, and bortezomib-induced CIPN show that the chronic sensory neuropathies are nearly identical. In the rat, each of these agents causes an increase in the incidence of swollen and vacuolated mitochondria in peripheral nerve A-fiber and C-fiber primary afferent axons, but not in their Schwann cells. Direct measurements of mitochondrial function in peripheral nerve preparations from rats with confirmed CIPN show chronic dysfunction in mitochondrial respiratory Complexes I and II, and in ATP production. Thus, mitotoxicity is likely to be the fundamental cause of CIPN. A chronic drug-induced mitochondrial injury results in an energy deficiency that results in spontaneous afferent discharge and degeneration of intraepidermal nerve fibers (IENFs). Similarly, a mitotoxic effect of excess glucose may be responsible for painful diabetic neuropathy.

Learning Objectives:

1. To recognize the clinical presentation of chemotherapy-induced peripheral neuropathy (CIPN).
2. To evaluate the laboratory evidence concerning the mitotoxicity hypothesis for the cause of CIPN.
3. To be aware of the therapeutic implications of the mitotoxicity hypothesis.

10:15 am – 11:00 am

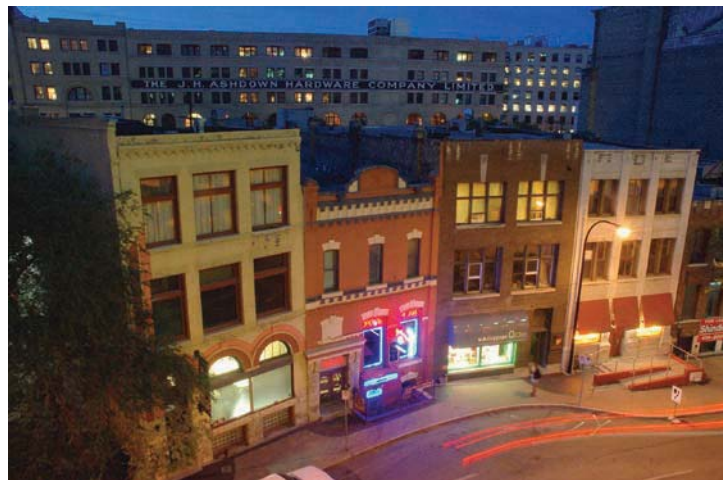
REFRESHMENT BREAK AND TRADESHOW

Photo Credit: Brent Bellamy

CONFERENCE PROGRAM - THURSDAY MAY 9, 2013 (cont'd)

11:00 am – 12:00 pm

CONCURRENT SESSIONS – CHOOSE ONE OF THE FOLLOWING – 201, 202 OR 203**SESSION 201****DATA BLITZ**

11:00 am – 12:00 pm

Chairs: **JASON J. McDOUGALL, BSc, PhD**, Associate Professor, Departments of Pharmacology and Anaesthesia, Dalhousie University, Halifax, Nova Scotia; **MARSHA CAMPBELL-YEO, RN, PhD**, NNP-BC Assistant Professor and Clinician Scientist, School of Nursing Dalhousie University and Department of Pediatrics, IWK Health Centre, Halifax, Nova Scotia

DOES THE IMPLEMENTATION OF A NURSE PRACTITIONER-LED PAIN MANAGEMENT TEAM IMPROVE RESIDENT OUTCOMES IN LONG TERM CARE?

Sharon Kaasalainen, RN, PhD, McMaster University, Hamilton, Ontario; Noori Akhtar-Danesh, PhD, McMaster University, Hamilton, ON; Kevin Brazil, PhD, Queen's University, Belfast, UK; Faith Donald, RN, PhD, Ryerson University, Toronto, ON; Ruth Martin-Misener, RN, PhD, Dalhousie University, Halifax, NS; Alba DiCenso, RN, PhD, McMaster University, Hamilton, ON; Thomas Hadjistavropoulos, PhD, ABPP, FCAHS, University of Regina, Regina, SK; Lisa Dolovich, BScPhm, PharmD, MSc, McMaster University, Hamilton, ON; Carrie McAiney, PhD, McMaster University, Hamilton, ON; Deboral Marshall, BSc, MHSA, PhD, University of Calgary, Calgary, AB

DEXMEDETOMIDINE AS AN EFFECTIVE ADJUVANT FOR PAIN RELATED TO INFUSION OF CHIMERIC ANTIBODY; A CASE SERIES

Gillian Lauder, MB BCh, FRCA, FRCPC, Department of Anesthesia, BC Childrens Hospital (BCCH), Vancouver, British Columbia; Rebecca Deyell, MD, MHSc, Department of Oncology, BC Childrens Hospital (BCCH); Matthias Gorges, PhD, Department of Electrical and Computer Engineering, University of British Columbia; Michele Smith, RN, Department of Anesthesia, BC Childrens Hospital (BCCH); Nicholas West, MSc, Department of Anesthesiology, Pharmacology and Therapeutics, University of British Columbia; Pamela Winton, FRCA, MBChB, BScMedSci (Hons), Royal Hospital for Sick Children, Edinburgh, UK

EXAMINING THE RELATIONSHIP BETWEEN CHRONIC PAIN AND HEALTH RELATED QUALITY OF LIFE AMONG OLDER CANADIAN ADULTS WITH DISABILITY

Kristina Zawaly, BA, BSc, MSc, Interdisciplinary Program in Disability Studies, The University of Manitoba; Shahin Shoostari, PhD, Faculty of Human Ecology, The University of Manitoba; Ian Clara, PhD, Manitoba Research Data Centre, The University of Manitoba; Nancy Hansen, PhD, Interdisciplinary Program in Disability Studies, The University of Manitoba; Verena Menec, PhD, Faculty of Medicine, The University of Manitoba

PAIN TEACHING IN THE UNDERGRADUATE MEDICAL PROGRAM IN THE FACULTY OF HEALTH SCIENCES AT MCMASTER UNIVERSITY: A CURRICULUM REVIEW.

John E. Centofanti, BHSc, MD, Department of Anesthesia, McMaster University, Hamilton, ON; Jaclyn Gilbert, BSc, MBiotech, MD, Department of Anesthesia, McMaster University, Hamilton, ON; Claudia Gomez, MD, Department of Anesthesia, University of Ottawa, Ottawa, ON; Eugenia Poon, BHSc, MD, Department of Anesthesia, McMaster University, Hamilton, ON; D. Norman Buckley, MD, FRCPC, Academic Chair, Department of Anesthesia, McMaster University, Hamilton, ON.

FINAL VERSION OF THE QUESTIONNAIRE TO IDENTIFY KNEE SYMPTOMS (QUIKS): CREATED USING A MULTIDIMENSIONAL RASCH ANALYSIS APPROACH.

Clayton Hamilton, BSc, MSc, Graduate Program in Health and Rehabilitation Sciences, University of Western Ontario; Bert Chesworth, BA, BScPT, MCIScPT, PhD, Department of Epidemiology and Biostatistics, University of Western Ontario

AN APPROACH TO BEHAVIOUR CHANGE IN A CLBP PHYSIOTHERAPY PROGRAM FOR INJURED MILITARY MEMBERS.

Katherine Harman, PT, PhD, School of Physiotherapy, Dalhousie University

PAIN IN THE UNDERGRADUATE CURRICULUM: THE DOOR OPENS

Patricia K Morley-Forster, MD, FRCPC, Professor, Department of Anesthesiology and Perioperative Medicine, The University of Western Ontario, London, Ontario; Eldon Loh, MD, FRCPC, Assistant Professor, Department of Physical Medicine and Rehabilitation, The University of Western Ontario; Gregory McCarthy, MBBCh, FRCPC, Assistant Professor, Department of Psychiatry, The University of Western Ontario; Geoffrey Bellingham, MD, FRCPC, Assistant Professor, Department of Anesthesiology and Perioperative Medicine, The University of Western Ontario; David Walton, BSc, MSc, PhD Physiotherapy, Assistant Professor, Department of Physical Therapy, The University of Western Ontario; George Kim, MD, CFPC, Assistant Professor, Department of Family Medicine, The University of Western Ontario; Christopher Brymer, MD, FRCPC, Associate Professor, Department of Internal Medicine, The University of Western Ontario; Dwight E. Moulin, MD, FRCPC, Professor, Department of Clinical Neurological Sciences, The University of Western Ontario

A MULTIDIMENSIONAL KNOWLEDGE TRANSLATION STRATEGY TO IMPROVE PEDIATRIC PAIN PROCESSES AND OUTCOMES IN 8 PEDIATRIC HOSPITALS IN CANADA

Bonnie Stevens, RN, PhD, FCAHS, Hospital for Sick Children and University of Toronto; **Janet Yamada, RN, PhD**, Hospital for Sick Children and University of Toronto; Jennifer Stinson, RN-EC, PhD, CPNP, Scientist, Child Health Evaluative Sciences, Nurse Practitioner, Chronic Pain Program, The Hospital for Sick Children, Toronto, Ontario; Carole A Estabrooks, RN, PhD,, University of Alberta; Fiona Campbell, MD, FRCPC, Hospital for Sick Children and University of Toronto; Shannon D Scott, RN, PhD,, University of Alberta; Greta Cummings, RN, PhD,, University of Alberta

CONFERENCE PROGRAM - THURSDAY MAY 9, 2013 (cont'd)
SESSION 202
MOBILE (M-HEALTH) AND WEB-BASED TECHNOLOGY TO SHAPE THE FUTURE OF PAIN SELF-MANAGEMENT FOR ADOLESCENTS AND YOUNG ADULTS WITH CHRONIC AND LIFE-LIMITING CONDITIONS

11:00 am – 12:00 pm

Chair: Susan Tupper, PT, PhD, School of Physical Therapy, University of Saskatchewan, Saskatoon, Saskatchewan

Speakers: Susan Tupper, PT, PhD, School of Physical Therapy, University of Saskatchewan, Saskatoon, Saskatchewan;

Chitra Laloo, BHSc, PhD(c), McMaster University, Hamilton, Ontario; **Lindsay Jibb, RN, MSc**, University of Toronto, Toronto, Ontario

WORKSHOP OBJECTIVE:

The overall aim of this session is to describe novel information and communication technologies (Smartphone and Internet-based) to improve the self-management of pain for adolescents and young adults. Dr. Tupper will provide an overview of the advantages and disadvantages associated with these technologies and outline the stages in their development and evaluation. Ms. Laloo and Jibb will discuss two real-world examples of pain self-management tools for young people living with painful chronic and life-threatening health conditions. Ms. Laloo will describe the development of iCanCope with Pain, an integrated Smartphone app and website for adolescents and young adults with chronic pain. Ms. Jibb will outline the process of developing a rule-based mobile clinical decision support system for children and adolescents living with persistent cancer pain.

Learning Objectives:

1. To understand the potential benefits of mobile and web-based technology to the field of pain self-management.
2. To understand the theoretical and methodological underpinnings in the development and evaluation of novel mobile and web-based pain self-management tools with a particular focus on end-user involvement.
3. To recognize the challenges associated with the design and implementation of these new technologies and discuss the future of this field.

APPLICATION OF M-HEALTH AND E-HEALTH TECHNOLOGIES TO IMPROVING THE MANAGEMENT OF PAIN IN ADOLESCENTS AND YOUNG ADULTS
Susan Tupper, PT, PhD, School of Physical Therapy, University of Saskatchewan, Saskatoon, Saskatchewan

"THERE'S A PAIN APP FOR THAT": PROMOTING PAIN SELF-MANAGEMENT AMONG ADOLESCENTS AND YOUNG ADULTS
Chitra Laloo, BHSc, PhD(c), McMaster University, Hamilton, Ontario

DEVELOPING A SMARTPHONE-BASED PAIN MANAGEMENT TOOL FOR ADOLESCENTS WITH CANCER: ESTABLISHMENT OF STANDARDIZED TREATMENT ALGORITHMS
Lindsay Jibb, RN, MSc, University of Toronto, Toronto, Ontario

SESSION 203
THE INFLUENCE OF PAIN ON REWARD PROCESSING AND POTENTIAL CLINICAL IMPLICATIONS

11:00 am – 12:00 pm

Chair: Petra Schweinhardt, MD, PhD, McGill University, Montreal, Quebec

Speakers: Petra Schweinhardt, MD, PhD, McGill University, Montreal, Quebec; **Catherine Cahill, PhD**, Associate Professor, Department of Anaesthesiology & Perioperative Care, University of California, Irvine, California

WORKSHOP OBJECTIVE:

Avoiding pain and seeking reward are two fundamental motivations for an organism. It is therefore not surprising that pain and reward interact and influence each other. In this workshop, it will be discussed how pain influences reward processing and, on the flip side, how reward influences pain processing. We will look at the interaction between acute pain and reward processing in healthy individuals with respect to behavior and brain processing. Further, alterations of reward processing circuitry in chronic pain states will be demonstrated and potential mechanisms underlying such alterations will be discussed. Potential clinical implications of pain-influences on reward processing and altered reward circuitry in chronic pain will be addressed.

Learning Objectives:

1. Understand the reciprocal influences that pain and reward have on each other.
2. Learn about effects of persistent pain on reward processing circuitry in the brain.
3. Appreciate the clinical implications of altered reward processing circuitry in chronic pain patients.

THE PAIN-REWARD CONNECTION: EVIDENCE FROM HUMAN VOLUNTEERS
Petra Schweinhardt, MD, PhD, McGill University, Montreal, Quebec

OPIOID REWARD SWITCHES TO A DOPAMINE-DEPENDENT PROCESS IN CHRONIC PAIN: IMPLICATIONS FOR ACTIVATED GLIA IN THE BRAIN
Catherine Cahill, PhD, Associate Professor, Department of Anaesthesiology & Perioperative Care, University of California, Irvine, California

CONFERENCE PROGRAM - THURSDAY MAY 9, 2013 (cont'd)

12:00 pm – 1:15 pm	BUFFET LUNCHEON AND TRADESHOW
12:00 pm – 2:00 pm	ANNUAL EDITORIAL BOARD MEETING AND LUNCHEON (PULSUS) <i>By invitation only</i>
12:00 pm – 1:15 pm	NURSING ISSUES SIG LUNCHEON & AGM <i>Open to Nursing Issues SIG Members only</i>
12:00 pm – 1:15 pm	FAMILY PRACTICE PAIN EDUCATION GROUP LUNCHEON AND MEETING <i>Open to Primary Care Practitioners Only - Available to the first 25 registrants</i> <i>Preregistration is required</i>
1:15 pm – 2:45 pm	CONCURRENT SESSIONS – CHOOSE ONE OF THE FOLLOWING – 204, 205 OR 206

SESSION 204
MEDITATIVE MOVEMENT (TAI CHI, QIGONG) FOR CHRONIC PAIN

1:15 pm – 2:45 pm

Chair: Mary E. Lynch, MD, FRCPC, Dalhousie University, Halifax, Nova Scotia

Speakers: Philip Peng, MBBS, FRCPC, Founder (Pain Medicine), Department Anesthesia and Pain Management, University of Toronto, Toronto, Ontario; Mary E. Lynch, MD, FRCPC, Dalhousie University, Halifax, Nova Scotia; Jana Sawynok, PhD, Department of Pharmacology, Dalhousie University, Halifax, Nova Scotia

WORKSHOP OBJECTIVE:

The aim of this symposium is to consider the use of the term "meditative movement" as reflective of a specific set of exercise modalities, review the literature on the efficacy of Tai Chi and Qigong in fibromyalgia and other chronic pain conditions, present some of the challenges involved in research using these complex interventions, and consider clinical trial designs that will be helpful in further elaborating the potential of these practices for management of chronic pain.

Learning Objectives:

1. Participants will be able to define the term "meditative movement" and appreciate some of the challenges in using terminology relating to these practices through lectures and a demonstration.
2. Participants will learn of the literature on the efficacy of Tai Chi and Qigong in treating and managing fibromyalgia and other chronic pain conditions.
3. Participants will have the opportunity to discuss the potential role of meditative movement in algorithms for management of fibromyalgia.

TAI CHI FOR FIBROMYALGIA AND CHRONIC PAIN
Philip Peng, MBBS, FRCPC, Founder (Pain Medicine), Department Anesthesia and Pain Management, University of Toronto, Toronto, Ontario

A RANDOMIZED CONTROLLED TRIAL OF QIGONG FOR FIBROMYALGIA: THE HALIFAX EXPERIENCE
Mary E. Lynch, MD, FRCPC, Dalhousie University, Halifax, Nova Scotia

THE PROMISE AND CHALLENGES OF RESEARCH IN TAI CHI AND QIGONG: METHODOLOGICAL ISSUES
Jana Sawynok, PhD, Department of Pharmacology, Dalhousie University, Halifax, Nova Scotia

SESSION 205
HOT TOPICS

1:15 pm – 2:45 pm

Chair: Michael McGillion, RN, PhD, University of Toronto, Toronto, Ontario

AGE-RELATED PATTERNS IN SENSATION THRESHOLD AND PAIN THRESHOLD
Nancy Ciccone, MSc, Psychosocial Oncology and Palliative Care, University Health Network, York University; A. Easson, MSc, MD, Surgical Oncology, University Health Network; M. Li, MD, Psychosocial Oncology and Palliative Care, University Health Network; G. Rodin, MD, Psychosocial Oncology and Palliative Care, University Health Network; G. Koren, MD, Motherisk Program, Hospital for Sick Children; V. Chan, MD, Department of Anesthesia, University Health Network; L. Gagliese, PhD, Psychosocial Oncology and Palliative Care, University Health Network, York University, Department of Anesthesia, University Health Network

NEW RISK FACTORS FOR OPIOID-RELATED DEATHS IN ONTARIANS
Parvaz Madadi, PhD, Hospital for Sick Children, Toronto, Ontario; Doris Hildebrandt, Office of the Chief Coroner of Ontario, Toronto, Ontario; Albert Lauwers, MD, Office of the Chief Coroner of Ontario, Toronto, Ontario; Gideon Koren, MD, Hospital for Sick Children, Toronto, Ontario

ELICITATION OF EMPATHY FOR PAIN IN STRANGERS BY SOCIAL STRESS REDUCTION IN MICE AND HUMANS
Loren Martin, PhD, McGill University, Montreal, Quebec; Georgia Hathaway, BSc, McGill University; Sara Mirali, BSc, McGill University; Kelsey Isbester, BSc, McGill University; Nils Niederstrasser, MSc, McGill University; Peter Slepian, BSc, McGill University; Zina Trost, PhD, University of North Texas; Wendy Sternberg, PhD, Haverford College; Robert Sapolsky, PhD, Stanford University; Daniel Levitin, PhD, McGill University; Jeffrey Mogil, PhD, McGill University

CONFERENCE PROGRAM - THURSDAY MAY 9, 2013 (cont'd)

SESSION 205 (cont'd)

PHARMACOKINETICS OF OPIOIDS DURING HEMODIALYSIS: METHADONE VS. HYDROMORPHONE

Ryan Perlman, MD, The Alan Edwards Pain Management Unit, Department of Anesthesiology, McGill University Health Centre (MUHC), Montreal General Hospital, Montreal, Quebec; Hili Giladi, MD, The Alan Edwards Pain Management Unit, McGill University Health Centre (MUHC), Montreal General Hospital; Krista Brecht, MSc, The Alan Edwards Pain Management Unit, McGill University Health Centre (MUHC), Montreal General Hospital; Mark Ware, MBBS, MSc, MRCP(UK), The Alan Edwards Pain Management Unit, McGill University Health Centre (MUHC), Montreal General Hospital; Terence Hébert, PhD, Department of Pharmacology and Therapeutics, McGill University; Lawrence Joseph, PhD, Department of Clinical Epidemiology and Biostatistics, McGill University Health Centre (MUHC), Royal Victoria Hospital; Yoram Shir, MD, The Alan Edwards Pain Management Unit, McGill University Health Centre (MUHC), Montreal General Hospital

TREATMENT RESISTANCE OF DEPRESSIVE SYMPTOMS TO MULTIDISCIPLINARY REHABILITATION FOR WHIPLASH INJURY: THE ROLE OF PERCEIVED INJUSTICE

Whitney Scott, BA, McGill University, Montréal, Quebec; Michael JL Sullivan, PhD, McGill University, Montréal, Quebec

CERVICAL RADIOFREQUENCY NEUROTOMY REDUCES PSYCHOLOGICAL DISTRESS AND PAIN CATASTROPHIZATION, BUT NOT POST-TRAUMATIC STRESS IN INDIVIDUALS WITH CHRONIC WAD

Ashley Smith, PT, PhD(c), CCRE: Spinal Injury, Pain and Health, Division of Physiotherapy, School of Health and Rehabilitation Sciences, University of Queensland, Australia, Calgary, Alberta; Gwendolen Jull, PT, PhD, CCRE: Spinal Injury, Pain and Health, Division of Physiotherapy, School of Health and Rehabilitation Sciences, University of Queensland, Australia; Geoff Schneider, PT, DSc, Faculty of Medicine, University of Calgary; Bevan Frizzell, MD, Faculty of Medicine, University of Calgary; R. Allen Hooper, MD, Faculty of Medicine, University of Calgary; Michele Sterling, PT, PhD, Centre for National Research on Disability and Rehabilitation Medicine (CONROD), University of Queensland, Australia

SESSION 206

BACK TO BASICS: AN UPDATE ON THE MECHANISMS AND MANAGEMENT OF LOW BACK PAIN

1:15 pm – 2:45 pm

Chair: Mark A. Ware, MD, MSc, Associate Professor, Anesthesia and Family Medicine, Alan Edwards Pain Management Unit, McGill University Health Centre, Montreal, Quebec

Speakers: Laura Stone, PhD, Assistant Professor, Dentistry, Alan Edwards Centre for Research on Pain, McGill University, Montreal, Quebec; **Mark A. Ware, MD, MSc**, Associate Professor, Anesthesia and Family Medicine, Alan Edwards Pain Management Unit, McGill University Health Centre, Montreal, Quebec; **Susan M. Tupper, PT, PhD**, School of Physical Therapy, University of Saskatchewan, Saskatoon, Saskatchewan

WORKSHOP OBJECTIVE:

The main objective of this symposium is to encourage a dialogue on current approaches to understanding and treating low back pain (LBP). Three different perspectives will be presented, from bench to bedside to policy, and we will foster a dialogue among participants about the barriers and facilitators to improving our care of patients with this challenging condition.

Learning Objectives:

1. Session attendees will a) understand current pre-clinical research on sources of nociception that contribute to low back pain, and b) discuss new insights gained into the relationship between low back pain, radicular pain, and disc degeneration.
2. Attendees will explore ways to identify the patient with low back pain at risk of chronicity and will develop a strategy to implement interdisciplinary management of these patients.
3. Attendees will be able to describe three programs for the evaluation of patients presenting to primary care with low back pain, and reflect on the methods to measure their outcomes.

BASIC SCIENCE MECHANISMS OF LOW BACK PAIN

Laura Stone, PhD, Assistant Professor, Faculty of Dentistry, Alan Edwards Centre for Research on Pain, McGill University, Montreal, Quebec

50 SHADES OF PAIN: THE CLINICAL PICTURE OF LOW BACK PAIN

Mark A. Ware, MD, MSc, Associate Professor, Anesthesia and Family Medicine, Alan Edwards Pain Management Unit, McGill University Health Centre, Montreal, Quebec

UTILIZING INTERPROFESSIONAL RESOURCES TO STREAMLINE MANAGEMENT OF BACK PAIN

Susan Tupper, PT, PhD, School of Physical Therapy, University of Saskatchewan, Saskatoon, Saskatchewan

2:45 pm – 3:45 pm

ATTENDED POSTER SESSION AND REFRESHMENT BREAK

3:45 pm – 5:15 pm

CONCURRENT SESSIONS – CHOOSE ONE OF THE FOLLOWING – 207, 208 OR 209

CONFERENCE PROGRAM - THURSDAY MAY 9, 2013 (cont'd)
SESSION 207
PAIN IN EMERGENCY MEDICINE - THE WHOLE STORY

3:45 pm – 5:15 pm

Chair: James Ducharme, MDCM, FRCP, CPS, McMaster University, AIM Health Group, Mississauga, Ontario
Speakers: James Ducharme, MDCM, FRCP, CPS, McMaster University, AIM Health Group, Mississauga, Ontario;
 Sean Moore, MD, CM, FRCP, University of Ottawa, Ottawa, Ontario; Sylvie LeMay, RN, PhD, University of Montreal,
 CHU St. Justine's Research Centre, Montreal, Quebec

WORKSHOP OBJECTIVE:

1. Describe the breadth of pain pathology seen in the ED.
2. Define ways to distinguish aberrant drug related behaviours as a result of pseudoaddiction from those of addiction in the acute setting.
3. Establish strategies to manage acute pain in patients who may be or are addicts.
4. Discuss both pharmacological and non-pharmacological methods of controlling pain in the ED.

Learning Objectives:

1. Increase understanding of patients in pain in the ED, including understanding the role the ED plays for patients with chronic pain.
2. To best define pain management strategies in the ED - what works, what does not work and what the ED cannot do.
3. To identify optimal approaches for managing pain in the addict.

THE BREADTH OF PAIN IN THE EMERGENCY DEPARTMENT

James Ducharme, MDCM, FRCP, CPS, McMaster University, AIM Health Group, Mississauga, Ontario

PAIN, ADDICTION AND DRUG SEEKING IN THE EMERGENCY DEPARTMENT

Sean Moore, MD, CM, FRCP, University of Ottawa, Ottawa, Ontario

PHARMACOLOGICAL AND NON-PHARMACOLOGICAL METHODS TO RELIEVE PAIN

Sylvie LeMay, RN, PhD, University of Montreal, CHU St. Justine's Research Centre, Montreal, Quebec

SESSION 208
NEW STANDARDS FOR DEVELOPMENT OF CANADIAN PAIN SOCIETY CLINICAL PRACTICE GUIDELINES

3:45 pm – 5:15 pm

Chair: Mary-Ann Fitzcharles, MB, ChB, MRCP(UK), FRCP(C), McGill University Health Centre, Division of Rheumatology and Alan Edwards Pain Management Unit, Montreal, Quebec

Speakers: Michael McGillion, RN, PhD, University of Toronto, Lawrence S. Bloomberg Faculty of Nursing, Toronto, Ontario;
 Peter A. Ste-Marie, BA, Alan Edwards Pain Management Unit, McGill University Health Centre, Faculty of Law, University of Montreal, Montreal, Quebec; John X. Pereira, MD, CCFP, Department of Family Medicine, Faculty of Medicine, University of Calgary, Calgary, Alberta

WORKSHOP OBJECTIVE:

To present the new Canadian Pain Society (CPS) policy and procedures for development of high-quality clinical practice guidelines for the management of various painful conditions. CPS 2012 Guidelines will be presented from the perspective of the new requirements for guideline development and implementation. This workshop will be of key importance to future CPS guideline developers.

Learning Objectives:

1. To understand the new policy and procedures providing direction to the development and evaluation of new CPS evidence-based clinical practice guidelines.
2. To understand how to appraise the internal and external validity of practice recommendations using the AGREE II framework.
3. To examine, in detail, the process of developing the new 2012 Canadian Fibromyalgia Guidelines. To understand key recommendations for the treatment of fibromyalgia and recognize barriers inherent in effective implementation.

THE NEW CPS DEVELOPMENT AND REVIEW PROCESS

Michael McGillion, RN, PhD, University of Toronto, Lawrence S. Bloomberg Faculty of Nursing, Toronto, Ontario

DEVELOPING THE 2012 FIBROMYALGIA GUIDELINES: LESSONS LEARNED

Peter A. Ste-Marie, BA, Alan Edwards Pain Management Unit, McGill University Health Centre, Faculty of Law, University of Montreal, Montreal, Quebec

IMPLEMENTING THE 2012 FIBROMYALGIA GUIDELINES: KEY RECOMMENDATIONS, CHALLENGES, AND OPPORTUNITIES

John X. Pereira, MD, CCFP, Department of Family Medicine, Faculty of Medicine, University of Calgary, Calgary, Alberta

CONFERENCE PROGRAM - THURSDAY MAY 9, 2013 (cont'd)

SESSION 209

ASSESSMENT OF CANCER PAIN ACROSS THE LIFESPAN: EVIDENCE, CHALLENGES AND FUTURE DIRECTIONS

3:45 pm – 5:15 pm

Chair: **Lucia Gagliese, PhD**, Associate Professor, School of Kinesiology and Health Science, York University; Senior Scientist, Psychosocial Oncology and Palliative Care, Anesthesia & Pain Management, Ontario Cancer Institute, University Health Network, Toronto, Ontario

Speakers: **Jennifer Stinson, RN-EC, PhD, CPNP**, Scientist, Child Health Evaluative Sciences, Nurse Practitioner, Chronic Pain Program, The Hospital for Sick Children, Toronto, Ontario; **Lynn Gauthier, MA, PhD(c)**, School of Kinesiology and Health Science, York University; Psychosocial Oncology and Palliative Care, University Health Network, Toronto, Ontario; **Lucia Gagliese, PhD**, Associate Professor, School of Kinesiology and Health Science, York University; Senior Scientist, Psychosocial Oncology and Palliative Care, Anesthesia & Pain Management, Ontario Cancer Institute, University Health Network, Toronto, Ontario

WORKSHOP OBJECTIVE:

The overall aim of this symposium is to explore the challenges of assessing cancer pain in people of different ages (from children to older adults) and different stages of disease (from early to end of life).

Learning Objectives:

1. Describe self-report pain assessment tools for use across the adult lifespan.
2. Discuss innovative methods for obtaining self-reports in cancer pain including pain apps.
3. Explore barriers to effective pain assessment across the lifespan.

PAIN ASSESSMENT IN CHILDREN AND YOUTH WITH CANCER: CHALLENGES AND NOVEL APPROACHES

Jennifer Stinson, RN-EC, PhD, CPNP, Scientist, Child Health Evaluative Sciences, Nurse Practitioner, Chronic Pain Program, The Hospital for Sick Children, Toronto, Ontario

SELF-REPORT TOOLS FOR CANCER PAIN ASSESSMENT ACROSS THE ADULT LIFESPAN

Lynn Gauthier, MA, PhD(c), School of Kinesiology and Health Science, York University; Psychosocial Oncology and Palliative Care, University Health Network, Toronto, Ontario

PAIN IN OLDER CANCER PATIENTS WITH DELIRIUM AT THE END OF LIFE: TOWARDS A STANDARDIZED ASSESSMENT PROTOCOL

Lucia Gagliese, PhD, CPsych, Associate Professor, School of Kinesiology and Health Science, York University; Senior Scientist, Psychosocial Oncology and Palliative Care, Anesthesia & Pain Management, Ontario Cancer Institute, University Health Network, Toronto, Ontario

5:15 pm – 6:00 pm

CANADIAN PAIN SOCIETY ANNUAL GENERAL MEETING

Open to all Canadian Pain Society Members

7:30 pm – 11:00 pm

DINNER, AWARDS AND ENTERTAINMENT EVENING

DELTA WINNIPEG HOTEL
GRAND BALLROOM

AWARD PRESENTATIONS

The Canadian Pain Society proudly presents the 2013 Award Recipients with their respective awards throughout the evening. Intertwined with a sit-down dinner and entertainment, this evening has something for everyone! Be sure to order your tickets when you register for the Meeting.

PAULY & THE GOODFELLAS

Pauly & the Goodfellas take you on a trip through the best of the decades with their 50's tribute to **Sha Na Na**, their **Gangstas of Soul** 60's Motown celebration of The Temptations and The Four Tops, and then into the disco funk of the 70's with their exceptional portrayal of **The Village People**. The latest addition to their incredible show is **Jersey Nights**...a recreation of Frankie Vallée & The Four Seasons.

Here are 4 crazy guys who perform a high energy, audience participation show! You will be on your feet, clapping and singing along!



CONFERENCE PROGRAM - FRIDAY MAY 10, 2013

7:00 am REGISTRATION OPEN

7:30 am – 9:00 am BREAKFAST

8:00 am – 9:00 am SYMPOSIA

SYMPOSIA

**CHANGING THE PARADIGM FROM TREATMENT TO PREVENTION:
 STRATEGIES FOR REDUCING THE BURDEN OF HERPES ZOSTER AND POST HERPETIC NEURALGIA**

Chair: DWIGHT MOULIN, MD, Professor, Departments of Clinical Neuro Sciences/Oncology, Earl Russell Chair Pain Medicine, University of Western Ontario, London, Ontario

Speakers: Dr. Marla Shapiro, MDCM, CCFP, MHSc, FRCP, NCMP, Family Physician, Associate Professor, Department of Family and Community Medicine, University of Toronto, Toronto, Ontario. Medical Consultant, CTV and Canada AM; **Dr. Kathryn Slayter, Bsc Pharm, Pharm D, FCSHP**, Clinical Pharmacy Specialist, Division of Infectious Diseases, Department of Medicine; Adjunct Assistant Professor, Faculties of Medicine and Health Professions, Clinical Scientist, Canadian Center for Vaccinology, Dalhousie University, Halifax, Nova Scotia

Learning Objectives:

By the end of the session, participants will be able to:

1. Recognize the epidemiology and burden of disease associated with HZ and PHN.
2. Describe the pathophysiology and clinical manifestations of HZ and PHN.
3. Assess the recent data and potential benefits of immunization to prevent HZ and PHN and to reduce pain severity and duration of HZ.

Herpes zoster (HZ), commonly called shingles, is a distinctive syndrome caused by reactivation of varicella zoster virus (VZV). This reactivation occurs when immunity to VZV declines because of aging or immunosuppression. Herpes zoster can occur at any age but most commonly affects the elderly population. Postherpetic neuralgia (PHN), defined as pain persisting more than 3 months after the rash has healed, is a debilitating and difficult to manage consequence of HZ. Early recognition and treatment of HZ can reduce acute symptoms and may also reduce PHN. Having a sound understanding of the prevention, diagnosis and treatment of HZ is important in reducing the impact of the burden of disease for patients and their families. Immunization creates the opportunity to shift disease management from treatment to prevention. Currently, a vaccine for Herpes Zoster is approved for use in Canada for the prevention of herpes zoster (shingles) in individuals 50 years of age or older. This educational session focuses on Herpes Zoster burden of disease, clinical manifestations, as well as the appropriate use of the HZ vaccine.

9:00 am – 9:15 am **OPENING REMARKS**

Chair: JENNIFER STINSON, RN-EC, PhD, CPNP, Scientist, Child Health Evaluative Sciences, Nurse Practitioner, Chronic Pain Program, The Hospital for Sick Children, Toronto, Ontario
2013 Scientific Program Chair, Canadian Pain Society

9:15 am – 10:15 am

KEYNOTE SPEAKERS

Chair: Christine T. Chambers, PhD, Rpsych, Dalhousie University & IWK Health Centre, Halifax, Nova Scotia

9:15 am – 9:45 am

**THIS WON'T HURT A BIT: REFLECTIONS ON A "PAINFUL" CAREER CANADIAN PAIN SOCIETY
 DISTINGUISHED CAREER AWARD RECIPIENT**

Joel Katz, PhD, Department of Psychology, York University, Department of Anesthesia and Pain Management, Toronto General Hospital and University of Toronto, Toronto, Ontario



The prospect of undergoing major surgery can be daunting. Among the concerns about postoperative pain are how intense it will be, whether it will be managed effectively, and how long it will last. This presentation will provide an overview of chronic post-surgical pain (CPSP), including some of the more intractable conditions such as post-amputation phantom limb pain, post-thoracotomy pain; basic epidemiological data; known risk and protective factors; and a look to the future. Throughout the presentation Dr. Katz will focus on research he and his colleagues and students have conducted over the past 30 years.

Learning Objectives:

After attending the session participants will be able to:

1. Specify the incidence/prevalence of CPSP in several high risk surgical populations;
2. Distinguish between causal and correlated risk factors;
3. List the known risk and protective factors for the development of chronic post-surgical pain.

9:45 am – 10:15 am

**PERSISTENT CARDIAC PAIN: A BURGEONING SCIENCE REQUIRING A NEW APPROACH
 CANADIAN PAIN SOCIETY EARLY CAREER AWARD RECIPIENT**

Michael McGillion, RN, PhD, University of Toronto, Lawrence S. Bloomberg Faculty of Nursing, Toronto, Ontario



Dr. McGillion's research focuses on improving access to appropriate healthcare for people suffering from persistent forms of cardiac pain including refractory angina and non-ischemic chest pain following successful percutaneous coronary interventions. Specifically, his research targets clinical decision support and self-management interventions as well as innovative approaches to cardiac pain education and knowledge dissemination.

CONFERENCE PROGRAM - FRIDAY MAY 10, 2013 (cont'd)
Learning Objectives:

1. To understand the underlying theory and process for development and evaluation of a decision support tool for the treatment of refractory angina.
2. To understand the process for development and evaluation of a multi-media, web-based resource centre for large-scale dissemination of persistent cardiac pain-related knowledge.
3. To understand the pedagogic design and evaluation of a complex simulation intervention to improve assessment and management of cardiac pain.

10:15 am – 11:15 am

ATTENDED POSTER SESSION & REFRESHMENT BREAK

11:15 am – 12:45 pm

CONCURRENT SESSIONS – CHOOSE ONE OF THE FOLLOWING – 301, 302 OR 303
SESSION 301
PEER-TO-PEER SUPPORT FOR PEOPLE WITH CHRONIC PAIN: THE NEED, THE DELIVERY MODELS, AND THE NEXT STEPS

11:15 am – 12:45 pm

Chair: James L. Henry, PhD, McMaster University, Hamilton, Ontario

Speakers: Janice Frampton, BA, ACTION PNP Committee, Toronto, Ontario; **Paula Forgeron, PhD**, University of Ottawa, Ottawa, Ontario; **James L. Henry, PhD**, McMaster University, Hamilton, Ontario; **Sara Ahola Kohut, PhD**, Hospital for Sick Children, Toronto, Ontario

WORKSHOP OBJECTIVE:

The objectives of this symposium are to provide an update on current research on peer-to-peer support for people who live with chronic pain and to capture perspectives on peer-to-peer support initiatives, exploring the need, the methods of delivery and recommendations for future initiatives and research.

Learning Objectives:

1. From this symposium those attending should understand the theories of social support and the importance of peer support programs for people living with chronic pain.
2. From this symposium those attending should understand the current state of research on the effectiveness of peer support programs for youth and adults with chronic pain and lessons learned.
3. From this symposium those attending should understand the perspectives from consumers living with chronic pain.

PEER TO PEER SUPPORT AND EDUCATION; LEGITIMATE NON-CANCEROUS CHRONIC PAIN PATIENT (NCCPP) OVERCOMING IGNORANCE AND ENMITY
Janice Frampton, BA, ACTION PNP Committee, Toronto, Ontario

LIVING WITH DIFFERENCE: CHALLENGES TO FRIENDSHIPS FOR ADOLESCENTS WITH PAIN
Paula Forgeron, PhD, University of Ottawa, Ottawa, Ontario

TOWARD HABERMAS' THEORY OF COMMUNICATIVE ACTION: LESSONS FROM A CHRONIC PAIN SUPPORT GROUP
James L. Henry, PhD, McMaster University, Hamilton, Ontario

VIRTUAL PEER-TO-PEER SUPPORT FOR YOUTH WITH CHRONIC PAIN
Sara Ahola Kohut, PhD, Hospital for Sick Children, Toronto, Ontario

SESSION 302
PARENTS AND FAMILIES AS ACTIVE PARTICIPANTS IN PAIN MANAGEMENT ACROSS THE AGE SPAN

11:15 am – 12:45 pm

Chair: Line Caes, PhD, Centre for Pediatric Pain Research, IWK Health Centre, Halifax, Nova Scotia

Speakers: Line Caes, PhD, Centre for Pediatric Pain Research, IWK Health Centre, Halifax, Nova Scotia; **Marsha Campbell-Yeo, PhD, RN, NNP-BC**, Dalhousie University and IWK Health Centre, Halifax, Nova Scotia; **Michael Sullivan, PhD**, Departments of Psychology, Medicine and Neurology, McGill University, Montreal, Quebec

WORKSHOP OBJECTIVE:

To identify challenges and potential solutions to involve parents and families as effective, active participants in pain management across the age span.

Learning Objectives:

1. Review the evidence regarding the efficacy of parent and family involvement in neonatal, pediatric and adult population.
2. Identify parents and families at risk and challenges of optimal involvement, which may vary across the age span.
3. Discuss the feasibility of implementation and potential solutions.

OPTIMAL INVOLVEMENT OF PARENTS IN PEDIATRIC PAIN MANAGEMENT: THE ROLE OF CATASTROPHIC THINKING
Line Caes, PhD, Centre for Pediatric Pain Research, IWK Health Centre, Halifax, Nova Scotia

MATERNAL AND FAMILY DRIVEN ANALGESIA IN THE NICU- EVIDENCE, CHALLENGES AND IMPLEMENTATION
Marsha Campbell-Yeo, PhD, RN, NNP-BC, Dalhousie University and IWK Health Centre, Halifax, Nova Scotia

DYADIC PROCESSES IN CHRONIC PAIN
Michael Sullivan, PhD, Departments of Psychology, Medicine and Neurology, McGill University, Montréal, Quebec

CONFERENCE PROGRAM - FRIDAY MAY 10, 2013 (cont'd)

SESSION 303

CRITICAL PERSPECTIVES OF PSYCHOSOCIAL CONCEPTS IN PAIN

11:15 am – 12:45 pm

Chair: Thomas Hadjistavropoulos, PhD, ABPP, FCAHS, Department of Psychology and Centre on Aging and Health, University of Regina, Regina, Saskatchewan

Speakers: Kenneth M. Prkachin, PhD, Department of Psychology, University of Northern British Columbia, Prince George, British Columbia; Thomas Hadjistavropoulos, PhD, ABPP, FCAHS, Department of Psychology and Centre on Aging and Health, University of Regina, Regina, Saskatchewan; Jennifer Stinson, RN-EC, PhD, CPNP, Scientist, Child Health Evaluative Sciences, Nurse Practitioner, Chronic Pain Program, The Hospital for Sick Children, Toronto, Ontario

WORKSHOP OBJECTIVE:

With a focus on both adults and children, the purpose of this symposium will be to shine a critical light on psychosocial concepts that influence clinical practice, with a view to identifying their areas of strength, weakness and need for further investigation.

Learning Objectives:

1. To familiarize participants with biopsychosocial formulation of the pain experience (e.g., the fear avoidance model of pain).
2. To familiarize participants with limitations of the empirical base of specific psychosocial formulations.
3. To highlight frequent misapplications of psychosocial constructs in clinical practice.

USE AND MISUSE OF THE CONCEPT OF PAIN BEHAVIOUR

Kenneth M. Prkachin, PhD, Department of Psychology, University of Northern British Columbia, Prince George, British Columbia

LIMITATIONS IN THE EMPIRICAL SUPPORT FOR THE FEAR AVOIDANCE MODEL OF PAIN

Thomas Hadjistavropoulos, PhD, ABPP, FCAHS, Department of Psychology and Centre on Aging and Health, University of Regina, Regina, Saskatchewan

APPLICATIONS AND MISAPPLICATIONS OF THE PEDIATRIC FEAR AVOIDANCE MODEL OF PAIN

Jennifer Stinson, RN-EC, PhD, CPNP, Scientist, Child Health Evaluative Sciences, Nurse Practitioner, Chronic Pain Program, The Hospital for Sick Children, Toronto, Ontario

12:45 pm – 1:15 pm

LUNCH AND LEARN

Pick up your boxed lunch and take in a concurrent session at the same time. Take 30 minutes to pick up your lunch and find the session you pre chose!

1:15 pm – 2:45 pm

LUNCH AND LEARN SESSIONS – CHOOSE ONE OF THE FOLLOWING – 304, 305 OR 306



LUNCH AND LEARN SESSION 304

THE IMPACT OF PERCEIVED INJUSTICE AND ACCEPTANCE ON CHRONIC PAIN OUTCOMES: EVIDENCE, PROCESSES, AND TREATMENT

1:15 pm – 2:45 pm

Chair: Anita Unruh, PhD, MSW, OT(c) RegNS, Professor and Associate Dean (Research & Academic), Faculty of Health Professions, Dalhousie University, Halifax, Nova Scotia

Speakers: Michael J.L. Sullivan, PhD, Department of Psychology, McGill University, Montréal, Quebec; Whitney Scott, BA, McGill University, Montréal, Quebec; Charles Nelson, PhD, University of Western Ontario, London, Ontario

WORKSHOP OBJECTIVE:

This symposium will bring together data examining the impact of two psychosocial constructs, perceived injustice and acceptance, on pain outcomes. The first speaker will examine the applicability of the construct of perceived injustice to the chronic pain context. This presentation will also review published research that indicates perceived injustice is a risk factor for adverse pain-related outcomes. The second speaker will explain the application of a conceptual model based on principles of Acceptance and Commitment Therapy (ACT) to understand the association between perceived injustice and problematic pain outcomes. Data examining the role of acceptance as a potential mediating process between perceived injustice and adverse pain outcomes will be presented. The third speaker will describe the utility of ACT for treating complex chronic pain in a sample of Canadian military personnel and veterans with posttraumatic stress disorder (PTSD). This presentation will explain how ACT was successfully adapted for group psychotherapy, and will provide pre- and post-treatment outcomes relating to pain intensity, anxiety, catastrophizing, and acceptance.

Learning Objectives:

1. Attendees will be informed about research demonstrating the adverse health and mental health outcomes associated with perceived injustice. Attendees will gain an understanding of the clinical assessment of perceived injustice and potential interventions strategies targeting injustice among patients with chronic pain.
2. Attendees will gain an understanding of the applicability of an ACT-based conceptual model to explain the impact of perceived injustice in chronic pain. Attendees will be familiarized with emerging research examining the relationship between perceived injustice and acceptance of chronic pain.

CONFERENCE PROGRAM - FRIDAY MAY 10, 2013 (cont'd)

SESSION 304 (cont'd)

3. *Attendees will be able to describe the components of a successful group therapy program using ACT to treat complex chronic pain. Additionally, attendees will improve their understanding of the relationship between pain and PTSD and how ACT can be used to assist in the reduction of pain and PTSD symptoms.*

THE IMPACT OF PERCEIVED INJUSTICE ON CHRONIC PAIN OUTCOMES

Michael J.L. Sullivan, PhD, McGill University, Montréal, Quebec

THE APPLICATION OF A CONCEPTUAL MODEL OF PSYCHOLOGICAL FLEXIBILITY TO UNDERSTAND PERCEIVED INJUSTICE IN CHRONIC PAIN

Whitney Scott, BA, McGill University, Montréal, Quebec

A PRELIMINARY STUDY OF THE EFFECTIVENESS OF GROUP ACCEPTANCE AND COMMITMENT THERAPY FOR COMPLEX CHRONIC PAIN AND POSTTRAUMATIC STRESS DISORDER

Charles Nelson, PhD, University of Western Ontario, London, Ontario

LUNCH AND LEARN SESSION 305

SPINAL FACET JOINT PAIN: HUMAN AND ANIMAL STUDIES OF BASIC MECHANISMS

1:15 pm – 2:45 pm

Chair: Howard Vernon, DC, PhD, Canadian Memorial Chiropractic College, Toronto, Ontario

Speakers: Howard Vernon, DC, PhD, Canadian Memorial Chiropractic College, Toronto, Ontario; **James L. Henry, PhD**, McMaster University, Hamilton, Ontario; **Beth A. Winkelstein, PhD**, Bioengineering & Neurosurgery, University of Pennsylvania, Philadelphia, Pennsylvania, USA

WORKSHOP OBJECTIVE:

The aim of this Symposium is to provide an update on the status of facet joint pain in the context of low back and neck pain in society. We propose to review clinical evidence and novel animal models investigating the lumbar and cervical facet joints with respect to pain and sensory-motor mechanisms.

Learning Objectives:

1. *Neuroanatomical details related to the facet joints which help explain the unique features of deep spinal pain: pain referral patterns, poor localization of pain and which contribute to the well-known chronicity and recurrence of low back pain.*
2. *Different methodologies for exploring facet joint pain in rat models.*
3. *Potential mechanisms of pain generation from the lumbar and cervical facet joints, resulting from different clinically-relevant aetiologies including osteoarthritis and trauma. Future applications of these studies will be discussed towards translational benefits.*

MECHANISMS OF FACET-BASED PAIN

Howard Vernon, DC, PhD, Canadian Memorial Chiropractic College, Toronto, Ontario

A NOVEL RAT MODEL OF LUMBAR FACET INJURY

James L. Henry, PhD, McMaster University, Hamilton, Ontario

CERVICAL FACET JOINT INJURY:

REVIEW OF ANIMAL STUDIES

Beth A. Winkelstein, PhD, Bioengineering & Neurosurgery, University of Pennsylvania, Philadelphia, Pennsylvania, USA



CONFERENCE PROGRAM - FRIDAY MAY 10, 2013 (cont'd)

LUNCH AND LEARN SESSION 306

PREVENTION OF CHRONIC POST-SURGICAL PAIN: FROM BENCH TO BEDSIDE

1:15 pm – 2:45 pm

Chair: Joel Katz, PhD, Department of Psychology, York University, Department of Anesthesia and Pain Management, Toronto General Hospital and University of Toronto, Toronto, Ontario

Speakers: Simon Beggs, PhD, Programmes in Brain and Behaviour, Hospital for Sick Children and Faculty of Dentistry, University of Toronto, Toronto, Ontario; Joel Katz, PhD, Department of Psychology, York University, Department of Anesthesia and Pain Management, Toronto General Hospital and University of Toronto, Toronto, Ontario; Hance Clarke, MD, MSc, FRCPC, PhD(c), Department of Anesthesia and Pain Management, University of Toronto, Toronto, Ontario

WORKSHOP OBJECTIVE:

Chronic post-surgical pain (CPSP) is now recognized as an adverse outcome of surgery. The occurrence of CPSP varies according to the surgical procedure; surgeries that result in damage to peripheral nerves --- whether intention or accidental --- are typically associated with a higher incidence and intensity of CPSP suggesting that the problem is mainly neuropathic in nature. Nevertheless, other factors are clearly involved since not all patients with nerve damage develop CPSP and not all CPSPs involve nerve damage. Moreover, we are a long way from being able to predict who will develop CPSP and who will recover uneventfully. The overall aims of this workshop are (1) to review the neurobiological mechanisms underlying chronic neuropathic pain with an emphasis on novel neuron-glia interactions that contribute to physiological and pathological processes in the central nervous system and ultimately to pain; (2) to present what is known about the risk and protective factors that predict the transition of acute pain to CPSP; and (3) to provide evidence for and against the possibility that administration of various analgesic agents during the perioperative period will reduce the incidence or intensity of CPSP.

Learning Objectives:

1. To understand the neurobiological mechanisms underlying chronic neuropathic pain.
2. To consider the risk and protective factors associated with CPSP.
3. To identify preventive approaches to the management of perioperative pain that might lessen the risk of developing CPSP.

THE PATHOBIOLOGY OF CHRONIC NEUROPATHIC PAIN: IMPLICATIONS FOR PREVENTION

Simon Beggs, PhD, Programmes in Brain and Behaviour, Hospital for Sick Children and Faculty of Dentistry, University of Toronto, Toronto, Ontario

RISK AND PROTECTIVE FACTORS ASSOCIATED WITH CHRONIC POST-SURGICAL PAIN

Joel Katz, PhD, Department of Psychology, York University, Department of Anesthesia and Pain Management, Toronto General Hospital and University of Toronto, Toronto, Ontario

THE PREVENTION OF CHRONIC POSTSURGICAL PAIN: RECENT FINDINGS

Hance Clarke, MD, MSc, FRCPC, PhD(c), Department of Anesthesia and Pain Management, University of Toronto, Toronto, Ontario

2:45 pm

CONFERENCE ENDS