

# Western University

## Pain Medicine Residency

### Lecture Series 2013-2015

Lectures will be allotted 2-3 hours of time starting at 13:00 on Wednesday afternoons. The exact dates of the presentations have yet to be determined.

The academic half-day for the Pain Medicine Residency will be unique in that a small number of residents will be enrolled in the program (no more than two per year). As such, academic half days will take on a tutorial format in which discussion between the teacher and students is encouraged.

Residents will also be granted protected time to attend academic half-days organized by other departments that also teach subjects related to pain medicine. The Department of Psychiatry has agreed to allow Pain Medicine residents to participate in selected teaching sessions, which overlap with their objectives of training. The Departments of Neurology and Physiatry have also agreed to participate in such an arrangement. There will be flexibility within the schedule to give residents the ability to attend these lectures if they are not scheduled on Wednesday afternoons.

There is flexibility within the schedule to add lectures that are not included in the current schedule but are identified by the residents to be in line with their personal educational objectives.

#### **Legend:**

\*Lectures shared with the Psychiatry Residency Program

§Lectures shared with the Palliative Care Residency Program

1. Anatomy and Physiology of Pain Transmission - Dr. G. Bellingham
2. Evidence Based Pain Medicine
3. Childhood and Early Life Experiences Impact on Pain Perception - Dr. J. Sukhera
4. Cultural and Behavioral Strategies for Managing Pain
5. Epidemiology and Neurobiology of Unipolar and Bipolar Depression\* - Dr. V. Dua
6. Psychopharmacology of Depression\* - Dr. S. Armstrong
7. Epidemiology and Neurobiology of Anxiety\* - Dr. V. Dua
8. Anxiety Disorders\*
9. Psychopharmacology of Anxiety Disorders\* - Dr. S. Armstrong
10. Cluster A & C Personality Disorders\* - Dr. V. Dua
11. Cluster B Personality Disorders\* - Dr. P. Links
12. Principles of Chemical Neurotransmission: Receptors and Enzymes as Targets of Drug Action\* - Dr. V. Dua

13. Serotonin, Noradrenaline, Dopamine\* - Dr. N. Rajakumar
14. Ach, GABA, BDNF, NMDA\* - Dr. W. Rushlow
15. Bioethics Module 1: Informed Consent - Dr. J. Nisker
16. Somatoform Disorders and Chronic Pain\* - Dr. C. Garcia
17. Introduction to Addictions\* - Dr. G. McCarthy
18. Pain Management and Addiction\* - Dr. G. McCarthy
19. Sleep Disorders 1\* - Dr. J. Barr
20. Sleep Disorders 2\* - Dr. J. Barr
21. Formulation of Personality Disorders\* - Dr. J. Ross
22. Personality Disorders in Pain Management - Dr. A. Iezzi
23. Motivational Interviewing and Stages of Change in Pain Management Part 1 - Dr. A. Iezzi
24. Pre Pain Adversity Variables in Predicting Treatment Outcomes Part II-Dr A Iezzi
25. Variables in Predicting Treatment Outcome Part III - Dr. A. Iezzi
26. Seronegative Joint Diseases - Dr. S. Haig
27. Fibromyalgia - Dr. S. Haig
28. Spinal Cord Injury Pain and Related Issues - Dr. E. Loh
29. Post-Stroke Pain and Related Issues - Dr. S. Macaluso
30. Limb Amputation and Related Issues - Dr. M. Payne
31. Mechanical Low Back Pain - Dr. R. Viana
32. Lumbar Radicular Pain - Dr. R. Viana
33. Mechanical Cervical Pain - Dr. E. Loh
34. Cervical Radicular Pain - Dr. C. Clarke
35. Osteoarthritis TBA Medical Expert
36. Assessment of Pain in Physical Rehabilitation - Dr. D. Walton
37. Conservative Treatment of Pain – Physiotherapy Modalities - Dr. D. Walton SJHC Medical Expert
38. Bioethics Module 2: Advocacy
39. Diagnosing Neuropathic Pain - Dr. D. Moulin
40. Post Herpetic Neuralgia and Painful Diabetic Neuropathy - Dr. D. Moulin
41. Headache - Dr. P. Cooper
42. Neuromodulation for Pain Management - Dr. A. Parrent
43. Introduction to Pediatric Pain and Acute Pain Management
44. Chronic Pediatric Non-Malignant Pain
45. Neonatal Pain and Long-Term Consequences
46. Psychotherapeutic Approaches to Pediatric Pain Part I - Dr. E. Gold
47. Psychotherapeutic Approaches to Pediatric Pain Part II- Dr. E. Gold
48. Acute Postoperative Pediatric Pain - Dr. Vanessa Fantillo
49. Pediatric Palliative Care and Pain Management - Dr. Lisa Pearlman
50. Pharmacological strategies for acute pain management - Dr. J. Brookes
51. Nerve blocks in acute pain management - Dr. R. Vijayashankar
52. Acute on chronic pain - Dr. P. Morley-Forster
53. Pain encountered with malignancy § - Dr. A. Singh
54. Pharmacological approaches to cancer pain - Dr. S. Malik
55. Interventional strategies for cancer pain - Dr. C. Clarke

56. Addiction and palliative medicine § - Dr. D. Moulin TBA
57. Neuropathic Pain in Palliative Care § - Dr. D. Moulin
58. Bioethics Module 3: Justice - Dr. J. Nisker
59. Psycho-oncology\* - Dr. C. Garcia
60. Opioids and the National Opioid Use Guidelines - Dr. K. Ower
61. Methadone and Buprenorphine - Dr. G. Bellingham
62. Acetaminophen and NSAIDs in Chronic – Pain - Dr. R. Viana
63. Topical Therapeutic Agents - Dr. P. Morley-Forster
64. Intravenous Infusions - Dr. K. Ower
65. Cannabinoids - Dr. P. Morley-Forster
66. Misc. Agents: Alpha 2 agonists, muscle relaxants, NMDA antagonists
67. Antidepressants and Antiepileptics for Pain Management - Dr. G. Bellingham
68. Trigger Point Injections and Botox - Dr. E. Loh
69. Epidural Steroids - Dr. G. Bellingham
70. Sympathetic Nervous System Blocks - Dr. G. Bellingham
71. Neurolytic Procedures - Dr. C. Clarke
72. Radiofrequency Ablation - Dr. E. Loh
73. Ultrasound Guided Interventions Part I - Dr. G. Bellingham
74. Ultrasound Guided Interventions Part II - Dr. G. Bellingham
75. Geriatric Patients and Pain
76. Visceral Pain - Dr. P. Morley-Forster
77. Urogenital Pain - Dr. P. Morley-Forster
78. Bioethics Module 4: Resource Allocation - Dr. J. Nisker SJHC Medical Expert
79. Pain Management for the Cognitively Impaired Patient
80. Communicating with the Angry Patient - Phylis Brady
81. Impairment, Disability, and Handicap in Pain Medicine - Dr. K. Sequiera
82. Managing a Community Pain Clinic - Dr. G. Ram



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