

**CURRICULUM VITAE**

**VINCENT W.S. CHAN, MDCM, FRCPC**

Head, Regional Anesthesia & Pain Program  
Department of Anesthesia and Pain Management, University Health Network  
Professor of Anesthesia, University of Toronto

---

Home Address      4003-2045 Lakeshore Blvd. West  
Toronto, Ontario M8V 2Z6  
Tel (416) 255-0159

Hospital Address    Department of Anesthesia and Pain Management  
Toronto Western Hospital, University Health Network  
399 Bathurst Street, Toronto, Ontario M5T 2S8  
Tel (416) 603-5118    Fax (416) 603-6494

Email Address      vincent.chan@uhn.on.ca

Date of Preparation    March 2005

Citizenship          Canadian

**DEGREES & LICENSURE**

1994                  Diplomate, Added Qualifications in Pain Management, The  
American Board of Anesthesiology  
1992                  License, Medical Board of California  
1990                  Diplomate, The American Board of Anesthesiology  
1986                  Fellow of the Royal College of Physicians and Surgeons of Canada,  
F.R.C.P.(C), Anaesthesia  
1981                  License, The College of Physicians and Surgeons of Ontario  
1981                  National Board of Medical Examiners (U.S.A.)  
1980                  License of Medical Council of Canada  
1980                  M.D.C.M., McGill University, Montreal, Quebec  
1976                  B.Sc., Biochemistry (Honours), McGill University, Montreal

Vincent WS Chan

## **ACADEMIC APPOINTMENTS**

### Present Appointment

2004–present          Professor, Department of Anesthesia, University of Toronto

### Previous Appointments

1998–2004          Associate Professor, Department of Anesthesia, University of Toronto  
1995–1998          Assistant Professor, Department of Anesthesia, University of Toronto  
1992–1995          Assistant Professor in Residence, Department of Anesthesia, University of California, San Francisco  
1990–1992          Assistant Professor, Department of Anesthesia, University of Toronto  
1988–1989          Lecturer, Department of Anesthesia, University of Toronto

## **PROFESSIONAL TRAINING**

1987–1988          Clinical Fellow, Pain Management and Regional Anesthesia,  
Brigham and Women's Hospital, Harvard Medical School, Boston, MA  
1986–1987          Clinical Fellow, Department of Anesthesia, Toronto Western Hospital  
1983–1986          Anesthesia Resident, Faculty of Medicine, University of Toronto  
1981–1982          Resident, Internal Medicine, Toronto General Hospital  
1980–1981          Mixed Internship, St. Michael's Hospital

## **CLINICAL APPOINTMENTS**

1995–present          Active Staff, Department of Anesthesia, University Health Network  
1994–1995          Active Staff, Department of Anesthesia, San Francisco General Hospital,  
San Francisco, CA  
1992–1995          Active Staff, Department of Anesthesia, Moffitt Long Hospital,  
San Francisco, CA  
1988–1992          Active Staff, Department of Anesthesia, Toronto Western Hospital  
1982–1983          Associate Staff, Department of Family Medicine, Oakville Trafalgar  
Memorial Hospital, Oakville, Ontario

## **HONORS & AWARDS**

2003                  Smiths Medical Canada Ltd Canadian Research Award in Pain Research  
and/or Regional Anesthesia  
1998                  Carl Koller Award, American Society of Regional Anesthesia  
1996                  Research Grant Award, Society of Ambulatory Anesthesia  
1977-1978          McGill University, Montreal, Quebec, Canada  
1973-1974          University Scholarship  
1972-1975          J.W. McConnell Scholarship, McGill University

## **PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

### **International and National Activities**

#### 1) Journal, Editorial Board and Grant Reviews

- Editor, Canadian Journal of Anesthesia (2000-present)
- Editor, Regional Anesthesia and Pain Medicine Journal (1999-present)
- Associate Editor, Regional Anesthesia and Pain Medicine Journal (1998–1999)
- Guest Editor, Techniques in Regional Anesthesia & Pain Management (1998)
- Ad-Hoc Grant Reviewer: Canadian Institute of Health Research, Physicians Services Incorporated (Ontario), Alberta Heritage Foundation For Medical Research (1993-present)
- Ad-Hoc Journal Reviewer: Anesthesiology, Anesthesia and Analgesia, Journal of Clinical Anesthesia, Clinical Journal of Pain, Chest (1991–present)

#### 2) American Society of Regional Anesthesia and Pain Medicine

- Board Member (1999-present)
- Associate Treasurer (2003-present)
- Chair, Management Committee (2002-2003)
- Chair, Master Class Section, Scientific Program Committee (1997–2003)
- Member, Scientific Program Committee (1997–present)
- Moderator, Scientific Program (1998)
- Member, Communication Committee (2000-present)
- Workshop Instructor (1988–present)
- Member, One-Day Workshop Program Committee (1998–2000)

#### 3) American Society of Anesthesiologists

- Member, Committee on Regional Anesthesia (2003-present)

#### 4) International Meetings

- Member, Local Arrangements Committee, International Society of Regional Anesthesia, Montreal 2000
- Member, International Advisory Committee, Scientific Program, Acute Pain section, the 12th World Congress 2000
- Member, International Advisory Committee, Scientific Program, Regional Anesthesia section, the 12th World Congress 2000

#### 5) International Research Organizations

- Faculty of 1000 Medicine (2003)

Vincent WS Chan

- Member, Global Perioperative Research Organization, International Anesthesia Research Society (2001-present)

6) Canadian Anesthesiologists' Society

- Vice Chair, Regional Anesthesia Section (1998–present)
- Co–Chair, Poster Discussion Session (Regional Anesthesia/Pain), 53rd Annual Meeting (1996)
- Chronic Pain Subcommittee Member, 53rd Annual Meeting (1996)
- Regional Anesthesia Workshop Instructor, 53<sup>rd</sup> Annual Meeting (1996)
- Co–Chair, Poster Discussion Session (Regional Anesthesia/Pain), 53rd Annual Meeting of the Canadian Anesthetists' Society (1996)
- Chronic Pain Subcommittee Member, Canadian Anesthetists' Society Annual Meeting, Montreal, Quebec (1996)
- Regional Anesthesia Workshop Instructor, Canadian Anesthetists' Society Annual Meeting, Montreal, Quebec (1996)

7) Ontario Medical Association

- Regional Anesthesia Workshop Instructor, Ontario Medical Association Annual Meeting, Windsor, Ontario (1996)

8) Academy of Medicine

- Co–Chair, Anesthesia Section, Toronto, Ontario (1996–1999)

**University Professional Activities**

1) University of Toronto

- Chair, Research Committee, Department of Anesthesia (1997–2001)
- Co–Chair, Annual Regional Anesthesia and Pain Medicine Conference, Continuing Medical Education, University of Toronto (1996–present)
- Coordinator, Regional Anesthesia Section, U of T Resident Seminar Series (1997-present)
- Examiner, Anesthesia Resident Oral Examination (1996–present)
- Residents' Regional Anesthesia One Day Workshop (1998–present)
- Facilitator, Medical student teaching, Pain: Putting the Person at the Centre, Understanding the issues from molecules to society, University of Toronto Centre of the Study of Pain (2003-present)

2) University Health Network

- Head, Regional Anesthesia and Pain Program, Department of Anesthesia (2001-present)
- Medical Director, Acute Pain Research Unit (2000-present)
- Coordinator, Regional Anesthesia and Pain Fellowship Program (1996–present)

Vincent WS Chan

- Director, Regional Anesthesia and Acute Pain Management (1995–2001)
- Coordinator, U of T Resident Regional Anesthesia Elective Program (1995-present)
- Coordinator, Acute Pain Treatment Service, Toronto Western Hospital (1989–1992)

3) University of California, San Francisco

- Director (Anesthesia), Postanesthetic Care Unit, Clinical Practice Committee, San Francisco General Hospital (1994-1995)
- Coordinator, Epidural Analgesia Service, San Francisco General Hospital (1994–1995)
- Member, Neuroanesthesia Section, Department of Anesthesia (1992–1994)

### **University Committee Assignments**

1) University of Toronto

- Member, University Promotion Committee, Department of Anaesthesia (1998, 1999, 2002, 2004)
- Member, Department Council, Department of Anesthesia (1997-2001)

2) University of California, San Francisco

- Member, Pain Quality Assurance Committee (1992-1994)
- Member, Academic Senate (1992–1995)

### **Hospital Committee Assignments**

1) University Health Network

- Chair, Anesthesia Academic Committee, Department of Anesthesia (1999–2001)
- Member, Corporate Pain Committee, University Health Network (2003-present)
- Member, Pain Management Committee, The Toronto Hospital (1995–2000)
- Member, Search Committee for Anesthesiologist-in-Chief (2000)
- Member, Anesthesia Workload Committee, Department of Anesthesia (1999-2001)
- Member, Anesthesia Business Unit Committee, The Toronto Hospital (1996–2000)
- Member, Quality Assurance Committee, Department of Anesthesia (1997–2001)
- Member, Equipment Committee, Department of Anesthesia (1995–2000)
- Member, Executive Business Committee, Anesthesia Associates, University Health Network (1996–2003)
- Business Manager, Anesthesia Associates, Toronto Western Hospital, University Health Network (1996–2003)
- Member, Pharmacy and Therapeutic Committee, Toronto Western Hospital (1990-1992)

2) San Francisco General Hospital

- Member, Epidural Analgesia Task Force (1994–1995)
- Member, Pain Management Committee (1994–1995)

Vincent WS Chan

## **TEACHING EXPERIENCE**

### **GRADUATE EDUCATION**

2002-present Facilitator for medical student teaching, Pain: Putting the Person at the Centre, Understanding the issues from molecules to society, University of Toronto Centre of the Study of Pain

### **POSTGRADUATE EDUCATION**

1998-present Residents' Regional Anesthesia One Day Workshop, University of Toronto, Toronto, Ontario  
1995-present Residency teaching program, Department of Anaesthesia, University of Toronto, Toronto, Ontario  
1992-1995 Residency teaching program, Department of Anesthesia, University of California, San Francisco  
1988-1992 Residency teaching program, Department of Anaesthesia, University of Toronto, Toronto, Ontario

## **PROFESSIONAL SOCIETY MEMBERSHIPS**

1987-present American Society of Anesthesiology  
1986-present The Royal College of Physicians and Surgeons of Canada  
1985-present Canadian Anaesthetists' Society  
1985-present American Society of Regional Anesthesia  
1985-present International Anesthesia Research Society  
1981-present Ontario Medical Association  
1981-present The College of Physicians and Surgeons of Ontario  
1995-1999 Academy of Medicine, Anesthesia Section  
1992-1995 California Society of Anesthesiologist

## **PUBLICATIONS**

### ***Journal Articles***

1. Enneking FK, Chan V, Greger J, Hadzic A, Lang SA, Horlocker TT: Lower-extremity peripheral nerve blockade: essentials of our current understanding. *Reg Anesth.Pain Med.* 2005; 30: 4-35
2. Porter JM, McCartney CJL, Chan VWS. Needle placement and injection posterior to the axillary artery may predict successful infraclavicular brachial plexus block: a report of three cases. *Can J Anesth* 2005; 52:69-73
3. Awad IT, Chan V: Developing yet another spinal analgesic drug? [Editorial] *Can J Anesth* 2004;51: 871-4
4. McCartney CJ, Brull R, Chan VW, Katz J, Abbas S, Graham B, Nova H, Rawson R, Anastakis DJ, von Schroeder H. Early but no long-term benefit of regional compared with general anesthesia for ambulatory hand surgery. *Anesthesiology* 2004; 101: 461-7
5. Brull R, McCartney CJL, Chan VWS. A Novel Approach to Infraclavicular Brachial Plexus Block: The Ultrasound Experience. *Anesth Analg* 2004;99: 950 [letter]

6. Chan VWS, Perlas A. Response to: One View Is No View [letter]. *Anesth Analg* 2004;98:1812-1813
7. McCartney CJL, Brauner I, and Chan VWS. Ultrasound guidance for a lateral approach to the sciatic nerve in the popliteal fossa. *Anaesthesia* 2004;59:1-3
8. Brill S, McCartney C, Sawyer RJ, Chan V. Intra-articular ketamine analgesia following knee arthroscopy: a dose-finding study. *The Pain Clinic* 2004;XXXXX
9. Oldman M, McCartney CJ, Leung A, Rawson R, Perlas A, Gadsden J, Chan VW. A survey of orthopedic surgeons' attitudes and knowledge regarding regional anesthesia. *Anesth Analg* 2004;98:1486-90
10. Sinha A, Chan VWS. Ultrasound imaging for popliteal sciatic nerve block. *Reg Anesth Pain Med* 2004;29:130-134
11. Watt-Watson J, Chung F, Chan VWS, McGillion M. Pain Management Following Discharge After Ambulatory Same-Day Surgery. *Journal of Nursing Management* 2004;12:153-161
12. Brull R, McCartney CJL, Chan VWS, Chung F, Rawson R. Are Patients Comfortable Consenting To Clinical Anesthesia Research Trials On The Day Of Surgery? *Anesth Analg* 2004;98:1106-10
13. Perlas A, Chan VWS, Simons M. Brachial Plexus Examination and Localization Using Ultrasound and Electrical Stimulation- A Volunteer Study. *Anesthesiology* 2003;99:429-435
14. Chan VWS. Applying Ultrasound Imaging To Interscalene Brachial Plexus Block. *Reg Anesth Pain Med* 2003;28:340-343
15. Chan VWS, Perlas A, Rawson R, Odukoya O. Ultrasound Guided Supraclavicular Brachial Plexus Block. *Anesth Analg* 2003;97:1514-7
16. Chan VWS. Programming errors from patient-controlled analgesia. *Can J Anaesth* 2003;50: 856-7
17. Katz J, Cohen L, Schmid R, Chan VW, Wowk A. Postoperative Morphine Use and Hyperalgesia Are Reduced by Preoperative but Not Intraoperative Epidural Analgesia: Implications for Preemptive Analgesia and the Prevention of Central Sensitization. *Anesthesiology* 2003;98:1449-1460
18. Sinha A, Chan V, Anastakis D. Anesthesia for carpal tunnel release [editorial]. *Can J Anesth* 2003;50:323-327
19. Ganapathy S, McCartney CJ, Beattie WS, Chan VW. Best evidence in anesthetic practice: Prevention: epidural anesthesia and analgesia does not reduce 30-day all-cause mortality and major morbidity after abdominal surgery. *Can J Anesth* 2003;50:143-6
20. Perlas A, Peng P, Barrera-Plaza M, Middleton W, Chan V, Sanandaji K. Forearm rescue cuff improves tourniquet tolerance during intravenous regional anesthesia. *Reg Anesth Pain Med* 2003;28:98-102
21. McCartney CJ, Murphy DB, Iagounova A, Chan VW. Intravenous ropivacaine bolus is a reliable marker of intravascular injection in premedicated healthy volunteers. *Can J Anesth* 2003; 50:795-800
22. McCartney CJL, Brill S, Rawson R, Sanandaji K, Iagounova A, Chan VWS. No anesthetic or analgesic benefit of neostigmine 1mg added to intravenous regional anesthesia with lidocaine 0.5% for hand surgery. *Reg Anesth Pain Med* 2003;28:414-417
23. Brill S, McCartney CJL, Weksler N, Chan VWS. Acute colonic pseudo-obstruction (Ogilvie's syndrome), lower limb arthroplasty and opioids. *Acute Pain* 2003;5:45-50

24. Brull R, McCartney CJL, and Chan VWS. Do preoperative anxiety and depression affect quality of recovery and length of stay after hip or knee arthroplasty? *Can J Anesth* 2002 49: 109
25. Chan VWS. Reply to: How Close is Close Enough-How Close is Safe Enough [letter]. *Reg Anesth Pain Med* 2002;27:228
26. Chan VWS. Nerve Localization – Seek But Not so Easy to Find? [Editorial]. *Reg Anesth Pain Med* 2002;27:245
27. Salomons TV, Wowk AA, Fanning A, Chan VWS, Katz J. Factors associated with refusal to enter a clinical trial: epidural anesthesia is a deterrent to participation. *Can J Anesth* 2002;49:583-7
28. Peng PWH, Coleman MM, McCartney CJL, Krone S, Chan VWS, Kaszas Z, Vucemilo I. Comparison of anesthetic effect between 0.375% ropivacaine versus 0.5% lidocaine in forearm intravenous regional anesthesia. *Reg Anesth Pain Med* 2002;27:595-9
29. Murphy DB, El Behiery H, Chan VW, Foss JF. Pharmacokinetic profile of epidurally administered methylnaltrexone, a novel peripheral opioid antagonist in a rabbit model. *Br J Anaesth* 2001;86:120-2
30. Choyce A, Chan VWS, Middleton WJ, Knight PR, Peng P, McCartney CJL. What is the relationship between paresthesia and nerve stimulation for axillary brachial plexus block? *Reg Anesth Pain Med* 2001;26:100-104
31. Krone SC, Chan VWS, Regan J, Peng P, Poate EM, McCartney C, Miniaci A. Analgesic Effects of Low-Dose Ropivacaine for Interscalene Brachial Plexus Block for Outpatient Shoulder Surgery – A Dose-Finding Study. *Reg Anesth Pain Med* 2001;26:439
32. Chan VWS, Peng PWH, Kaszas Z, Middleton WJ, Muni R, Anastakis DG, Graham BA. A comparative study of general anesthesia, intravenous regional anesthesia and axillary block for outpatient hand surgery- clinical outcome and cost analysis. *Anesth Analg* 2001;93:1181-4
33. Chan VWS. Reply to: Research in Regional Anesthesia: Objective Versus Subjective [letter]. *Reg Anesth Pain Med* 2001;26:594
34. Murphy DB, Chan VWS. Upper Extremity Blocks for Day Surgery. *Techniques in Regional Anesthesia & Pain Management* 2000;4:19–29
35. Chan VWS, Peng P, Chinyanga H, Lazarou S, Weinbren J, Kaszas Z. Determining Minimum Effective Anesthetic Concentration of Hyperbaric Bupivacaine for Spinal Anesthesia. *Anesth Analg* 2000;90:1135-40
36. Murphy DB, McCartney CJL, Chan VWS. Novel Analgesic Adjuncts for Brachial Plexus Block: A Systematic Review. *Anesth Analg* 2000;90:1122-8
37. Regan JM, Peng P, Chan VWS. Neurophysiology of Cancer Pain: From the Laboratory to the Clinic. *Current Review of Pain: Cancer Pain* 1999; 3:214–225
38. Peng P, Claxton A, Chung F, Chan V, Miniaci A, Krishnathas A. Femoral nerve block and ketorolac in patients undergoing anterior cruciate ligament reconstruction. *Can J Anesth* 1999; 46:919–924
39. Fleming NW, Chung F, Glass PSA, Kitts JB, Kirkegaard-Nielsen H, Gronert GA, Chan V, Gan TJ, Cicutti N, Caldwell JE. Comparison of the intubation conditions provided by rapacuronium (ORG 9487) or succinylcholine in humans during anesthesia with fentanyl and propofol. *Anesthesiology* 1999;91:1311–7
40. Coleman MM, Chan VWS. Meperidine in Forearm Intravenous Regional Anesthesia? *Anesth Analg* 1999;89:1326

41. Chan, VWS, Nazarnia S, Kaszas Z, Perlas A. The impact of saline flush of the epidural catheter on resolution of epidural anesthesia in volunteers: a dose-response study. *Anesth Analg* 1999;89:1006-1010
42. Al-Kaisy AA, Chan VWS, Perlas A. Respiratory Effects of Low-Dose Bupivacaine Interscalene Block. *Br J Anaesth* 1999; 82:217-20
43. Coleman M, Chan VWS. Continuous Interscalene Brachial Plexus Block. *Can J Anesth* 1999; 46:209-214
44. Mulroy MF, Greengrass R, Ganapathy S, Chan V, Heierson A. Sameridine is safe and effective for spinal anesthesia: a comparative dose-ranging study with lidocaine for inguinal hernia repair. *Anesth Analg* 1999;88:815-21
45. Vaghadia H, Chan V, Ganapathy S, Lui A, McKenna J, Zimmer K. A multicentre trial of ropivacaine 7.5 mg.mL<sup>-1</sup> vs bupivacaine 5 mg.mL<sup>-1</sup> for supraclavicular brachial plexus anesthesia. *Can J Anesth* 1999; 46:946-951
46. Coleman MM, Bardwaj A, Chan VWS. Back pain and collapse associated with receding subarachnoid blockade. *Can J Anesth* 1999; 46:464-466
47. Coleman MM, Peng PW, Regan JM, Chan VWS, Hendler AL. Quantitative Comparison of Leakage Under the Tourniquet in Forearm Versus Conventional intravenous regional anesthesia. *Anesth Analg* 1999;89:1482-6
48. Chan VWS, Weisbrod MJ, Kaszas Z, Dragomir C. Comparison of Ropivacaine and Lidocaine for Intravenous Regional Anesthesia in Volunteers. A Preliminary Study on Anesthetic Efficacy and Blood Level. *Anesthesiology* 1999;90:1602-8
49. Chan VWS, Garcia J, Al-Kaisy A, Drasner K. A Comparative Study of Low-Dose Hyperbaric Spinal Lidocaine 0.5% Versus 5% for Continuous Spinal Anesthesia. *Reg Anesth and Pain Med* 1998; 23:164-169
50. Peng PWH, Chan VWS, Perlas A. Minimum Effective Anaesthetic Concentration of Hyperbaric Lidocaine for Spinal Anaesthesia. *Can J Anaesth* 1998; 45:122-129
51. Chan VWS. Advances in Regional Anaesthesia and Pain Management. *Can J Anaesth* 1998; 45:R49
52. Middleton WJ, Chan VWS. Lumbar Sympathetic Block: A Review of Complications. *Techniques in Regional Anesthesia & Pain Management* 1998; 2:137-146
53. Sandler AN, Arlander E, Finucane BT, Taddio A, Chan V, Milner A, Callahan-Enright SO, Friedlander M, Muzyka D: Pharmacokinetics of Three Doses of Epidural Ropivacaine During Hysterectomy and Comparison With Bupivacaine. *Can J Anaesth* 1998; 45:843-849
54. Al-Kaisy A, McGuire G, Chan VWS, Bruin G, Peng P, Miniaci A, Perlas A. Analgesic Effect of Interscalene Block Using Low-Dose Bupivacaine For Outpatient Arthroscopic Shoulder Surgery. *Reg Anesth and Pain Med* 1998;23:469-473
55. Beattie WS, Warriner CB, Etches R, Badner NH, Parsons D, Buckley N, Chan V, Girard M. The addition of Continuous Intravenous Infusion of Ketorolac to a Patient-Controlled Analgetic Morphine Regime Reduced Postoperative Myocardial Ischemia in Patients Undergoing Elective Total Hip or Knee Arthroplasty. *Anesth Analg* 84:715-22, 1997
56. Peng PWH, Chan VWS, Chung FFT. Regional Anaesthesia in Ambulatory Surgery. *Ambulatory Surgery* 1997; 5:133-143
57. Weitz SR, Chan V: Enoxaparin and epidural analgesia [letter]. *Anesthesiology* 1996;85:432-4

58. Chan VWS: Chronic Diarrhea: An Uncommon Side Effect of Celiac Plexus Block. *Analg Anesth* 82:205–208, 1996
59. Looi–Lyons LC, Chung FF, Chan VW, McQuestion M: Respiratory Depression: An Adverse Outcome During Patient Controlled Analgesia Therapy. *J Clin Anesth* 8:151–156, 1996
60. Finucane BT, Sandler AN, McKenna J, Milner A, Friedlander M, Reid D, Muzyka D, Chan V, O'Callaghan-Enright S: A Double-blind Comparison of Clinical Effects of Ropivacaine 0.5%, 0.75%, 1.0%, and Bupivacaine 0.5%, Injected Epidurally in Patients Undergoing Hysterectomy. *Can J Anaesth* 43:442–9, 1996
61. Chan VWS, Chung FF. Propofol Infusion for Induction and Maintenance of Anesthesia in Elderly Patients: Recovery and Hemodynamic Profiles. *J of Clin Anesthesia* 1996; 8:317–323
62. Sakura S, Chan VWS, Ciriales R, Drasner K: The Addition of 7.5% Glucose Does Not Alter the Neurotoxicity of 5% Lidocaine Administered Intrathecally in the Rat. *Anesthesiology* 82:236-240, 1995
63. Chan VWS, Chung F, McQuestion M, Gomez M: The Impact of Patient Controlled Analgesia (PCA) on Utilization of Nursing Time and Duration of Postoperative Recovery. *Reg Anesth* 20:506–514, 1995
64. Etches RC, Warriner C, Badner N, Buckley N, Beattie S, Chan V, Parsons D, Girard M: Continuous Intravenous Administration of Ketorolac Reduces Pain and Morphine Consumption Following Total Hip or Knee Arthroplasty. *Anesth Analg* 81:1175–1181, 1995
65. Chung F, Chan VW, Ong D: A Post-anesthetic Discharge Scoring System for Home Readiness After Ambulatory Surgery. *J Clin Anesth* 1995; 7:500-6
66. Drasner K, Sakura S, Chan VWS, Bollen AW, Ciriales R: Persistent Sacral Sensory Deficit Induced by Intrathecal Local Anesthetic Infusion in the Rat. *Anesthesiology* 80: 847-852, 1994
67. Chan VWS, Chung F, Gomez M, Seyone C, Baylon G: Anesthetic and Hemodynamic Effects of Single Bolus versus Incremental Titration of Hyperbaric Spinal Lidocaine Through Microcatheter. *Anesth Analg* 79:117-123, 1994
68. Chan VWS: Anaesthesia For The Geriatric Patient. *Contemporary Anaesthesia* 3:9-16, 1993
69. Chung FF, Chan VWS, Ong D: A Postanaesthetic Discharge Scoring System for Home Readiness After Ambulatory Surgery. *Ambulatory Surgery* 1:189-193, 1993
70. Chan VWS, Smyth RJ: Radiographic Examination Of Catheter Position In Restricted Sacral Block After Continuous Spinal Anesthesia. *Anesth Analg* 75: 449-52, 1992
71. Chan VWS, Chung F, Cheng DCH, Seyone C, Chung A, Kirby TJ: Analgesic And Pulmonary Effects Of Continuous Intercostal Nerve Block Following Thoracotomy. *Can J Anaesth* 38:733-739, 1991
72. Ferrante FM, Chan VWS, Arthur GR, Rocco AG: Interpleural Analgesia After Thoracotomy. *Anesth Analg* 72:105-109, 1991
73. Johnson LR, Magnani B, Chan V, Ferrante FM: Modifiers of Patient-Controlled Analgesia Efficacy: Part I. *Pain* 39:17-22, 1989
74. Rocco AG, Chan V, Iacobo C: An Algorithm For The Treatment Of Pain In Advanced Cancer. *The Hospice Journal* 5:93-103, 1989
75. Chan VWS, Vosu H, Morley-Forster PK: Temperature Change And Shivering Following Epidural Anaesthesia For Caesarean Section. *Regional Anesthesia* 14: 48-52, 1988

76. Chan VWS, Tindal S: Anaesthesia For Transsphenoidal Surgery In A Patient With Extreme Gigantism. *Br J Anaesth* 60:464-468, 1988

### ***Book Chapters***

1. Oldman M, Chan VWS. Anesthesia for Ambulatory Upper-Extremity Surgical Procedures. In Steeles SM, ed. *Ambulatory Anesthesia & Perioperative Analgesia*. McGraw-Hill Companies, Inc. p. 271-278
2. Chan VWS, Perlas A. Ultrasonography and Peripheral Nerve Blocks. In Steeles SM, ed. *Ambulatory Anesthesia & Perioperative Analgesia*. McGraw-Hill Companies, Inc. p. 545-552
3. McCartney CJL, Chan VWS. Training and education of a physician for regional anesthesia. In Raj PP, ed. *Textbook of Regional Anesthesia*. Philadelphia: Churchill Livingstone, p. 97–102, 2002
4. Weinbren J and Chan V: Complications of Regional Anesthesia in Chronic Pain Therapy. In Finucane BT, ed. *Complications of Regional Anesthesia*. Philadelphia: Churchill Livingstone, p. 139–169, 1999
5. Peng PWH, Chan VWS. Local and regional block in postoperative pain control. In: Sandler, AN, ed. *Pain Control in the Perioperative Period. The Surgical Clinics of North America*. Philadelphia: W.B. Saunders Company, p.345–370, 1999
6. Syllabus for ASRA Understanding Regional Anesthesia and Perioperative Pain Control One Day Workshop Syllabus. *Regional Techniques for Postoperative Pain #2. Peripheral Blocks for Inpatients and Outpatients 1998*
7. Chan VWS: Continuous Intercostal Nerve Block. In: Ferrante, FM, ed. *Postoperative Pain Management*. New York: Churchill Livingstone, p. 365-381, 1993
8. Chan VWS, Ferrante FM: Continuous Thoracic Paravertebral Block. In: Ferrante, FM, ed. *Postoperative Pain Management*. New York: Churchill Livingstone, p. 403-415, 1993

### ***Abstracts and Presentations***

1. Chan V, Valle-Leutri F, Clark AJ, Rossiter-Rooney M. Self-titrated aerosolized liposome-encapsulated fentanyl results in rapid onset and sustained analgesia following ACL knee surgery. Poster presentation (A-77) at the 2004 Annual Meeting of the American Society of Anesthesiologists, October 2004, Las Vegas, Nevada
2. Porter J, McCartney C, Chan V. Nerve Stimulator or Ultrasound for Coracoid Infraclavicular Brachial Plexus Block: Influence of needle position on nerve stimulation and spread of injectate. *American Society of Regional Anesthesia & Pain Medicine - 29th Spring Meeting 2004, Poster Presentation (Poster Number A16)*
3. Perlas A, Chan VWS, McCartney. Ultrasound assessment of paresthesia and electrical stimulation for nerve localization: A sensitivity study. *American Society of Regional Anesthesia & Pain Medicine - 29th Spring Meeting 2004, Poster Presentation (Poster Number A33)*
4. Perlas A, Chan VWS, McCartney. Ultrasound Localization of the Sciatic Nerve. A preliminary study. *American Society of Regional Anesthesia & Pain Medicine - 29th Spring Meeting 2004 (A1) One of 4 Best of Meeting Abstracts*
5. Chan VWS, Watt-Watson J, Chung F, McGillion M. Patients' pain management following discharge after day surgery. *Can J Anesth* 2003;50: A47

6. Oldman M, McCartney C, Perlas A, Chan V, Gadsden J, Rawson R, Leung A. A survey of surgeons' attitudes to regional anesthesia. Poster presentation (A12) at the 28<sup>th</sup> American Society of Regional Anesthesia and Pain Medicine Annual Spring Meeting, April 2003, San Diego, California
7. Brull RT, von Schroeder H, Anastakis D, Graham B, Katz J, Chan VWS, Abbas SN, Rawson R, McCartney CJ. Regional anesthesia versus general anesthesia for ambulatory hand surgery. Oral presentation (A1) at the 28<sup>th</sup> American Society of Regional Anesthesia and Pain Medicine Annual Spring Meeting, April 2003, San Diego, California
8. McCartney CJ, Chan VWS, Sanandaji K, Rawson R, Katz J, Choyce A. Small dose ketamine 0.5 mg/kg produces a peripheral preventive analgesic effect when added to interscalene block for major shoulder surgery. Oral presentation (A4) at the 28<sup>th</sup> American Society of Regional Anesthesia and Pain Medicine Annual Spring Meeting, April 2003, San Diego, California
9. Watt-Watson J, Chung F, Chan V, McGillion M. Patients' pain management k following discharge after day surgery. *Pain Research & Management* 2003; 8 Supplement B, P-114
10. Brull R, McCartney CJL, Rawson R, Abbas S, Chan VWS. The effect of anesthetic technique on paresthesiae after hand surgery. *Can J Anesth* 2003;50: A42
11. Chan V, Clark J, Davis J, Wolf RS, Forsythe A, Manning D, Jayawardene S. A comparison of Cox 189, naproxen and placebo for relief of post-orthopedic surgery pain. 10<sup>th</sup> World Congress on Pain August 2002, San Diego, CA
12. Sawyer RJ, Brill S, McCartney C, Chan V, Katz J. An evaluation of intra-articular ketamine analgesia following knee arthroscopy. World Congress on Regional Anaesthesia & Pain Therapy, May 29th -June 1st 2002, Barcelona, Spain
13. Perlas A, Chan VWS. Ultrasound Guided Localization of the Brachial Plexus. A Volunteer Study. Poster presentation (A-892) at the 2002 Annual Meeting of the American Society of Anesthesiologists, October 2002, Orlando, Florida
14. Perlas A, Peng P, Chan VWS, Barrera-Plaza M, Sanandaji K. A forearm rescue cuff improves tourniquet pain tolerance and prolongs tourniquet time for intravenous regional anesthesia. Poster presentation (A-891) at the 2002 Annual Meeting of the American Society of Anesthesiologists, October 2002, Orlando, Florida
15. AJ Prabhu, Song D, VW Chan, Jenkins KL, Wong J, Yogendran S, Chung F. Low dose spinal anaesthesia: how should we test for the ability to walk? *Reg Anesth Pain Med* 2001;26:A29
16. McCartney CJ, Brill S, Chan VW, Sittampallam V, Li M, Iagounova A. A randomised double-blind study of the analgesic effect of neostigmine added to intravenous regional anesthesia. *Reg Anesth Pain Med* 2001;26:A128
17. McCartney CJL, Murphy DB, Vucemilo I, Chan VWS. Intravenous ropivacaine test dose– a volunteer study. *Reg Anesth Pain Med* 2000;25:A7
18. McCartney CJL, Bhardwaj A, Middleton W, Peng P, Kaszas Z, Chan VWS. Patient controlled epidural analgesia- comparison between high concentration low volume and low concentration high volume techniques. Poster presentation at International Symposium on Regional Anesthesia & Pain Medicine 2000, Quebec, Canada
19. Poate E, Regan J, Middleton W, Peng P, Chan V. Analgesic effects of low dose ropivacaine for interscalene brachial plexus block for outpatient shoulder surgery. A dose response study. Poster discussion presentation at International Symposium on Regional Anesthesia & Pain Medicine 2000, Quebec, Canada

20. Coleman M, Peng P, Regan J, Hendler A, Chan V. Quantitative comparison of tourniquet leakage between forearm and conventional (upper arm) intravenous regional anesthesia. *Can J Anaesth* 1999; 46:A28–B
21. Murphy DB, El-Beheiry H, Foss J, Chan V. Pharmacokinetic of epidural administered methylnaltrexone a novel peripheral opioid antagonist. *Anesthesiology* 1999; 91:A349
22. Chan VWS, Nazarnia S, Kaszas Z, Perlas A. The Impact of Epidural Saline Administration on the Resolution of Epidural Anesthesia. *Reg Anesth and Pain Med* 1998; 23:S73
23. Chan VWS, Chinyanga H, Peng P, Kaszas Z. Minimum Effective Anesthetic Concentration of Hyperbaric Bupivacaine for Spinal Anesthesia. *Reg Anesth and Pain Med* 1998; 23:S9
24. Vaghadia H, Chan V, Ganapathy S, Lui A, McKenna J, Zimmer K. Ropivacaine 7.5 mg/mL versus bupivacaine 5 mg/mL for brachial plexus block: a multicentre trial. *Can J Anaesth* 1998; 45:A37–A
25. Weisbrod MJ, Chan VWS, Kaszas Z, Dragomir C. Intravenous regional anaesthesia with ropivacaine. *Can J Anaesth* 1998; 45:A14–A
26. Peng P, Claxton AR, Chung F, Chan V, Miniaci A, Krishnathas A. Femoral nerve block improves postoperative pain control in patients undergoing anterior cruciate ligament repair. *Anesthesiology* 1998;89:A1122
27. Nazarnia S, Chan VWS, Clune L, Peng P, Al-Kaisy A, Perlas A. A Comparison of Cost Effectiveness of Regional Anesthesia versus General Anesthesia For Outpatient Hand Surgery. *Reg Anesth* 22:S20, 1997
28. Peng PWH, Chan VWS. Determination of minimum effective anesthetic concentration (MEAC) of hyperbaric lidocaine for spinal anesthesia. *Reg Anesth* 22:S121, 1997
29. Chan VWS, Nazarnia S, Dombek T. The Impact of Epidural Saline Administration on the Resolution of Epidural Anesthesia– A Dose Response Study. Society of Ambulatory Anesthesia 13th Annual Meeting, May 1997
30. Al-Kaisy AA, McGuire G, Chan V, Miniaci A, Bruin G, Peng P, Perlas A. Effective Interscalene Block Using Low Dose Bupivacaine Shortens Discharge Time Following Outpatient Shoulder Arthroscopy. Society of Ambulatory Anesthesia 13th Annual Meeting, May 1997
31. Al-Kaisy AA, Chan V, Peng P, Perlas A, Miniaci A. Postoperative analgesic effect of low dose bupivacaine for interscalene brachial plexus block for shoulder surgery, a dose finding study. *Can J Anaesth* 44: A60–A, 1997
32. Peng P, Chan V. Dose-dependency of minimum effective anaesthetic concentration (MEAC) of hyperbaric lidocaine for spinal anaesthesia. *Can J Anaesth* 44: A69–A, 1997
33. Peng P, Chung F, Claxton AR, Chan V, Krishnathas A. Reducing pain after arthroscopic anterior cruciate ligament repair– comparison of ketorolac vs femoral nerve block. *Can J Anaesth* 44: A69–B, 1997
34. Al-Kaisy AA, McGuire G, Chan V, Miniaci A, Bruin G, Peng P, Perlas A. Effective Interscalene Block Using Low Dose Bupivacaine Shortens Discharge Time Following Outpatient Shoulder Arthroscopy. PGA Annual Meeting, December 1996
35. Chan VWS, Infosino A, Olney R: Accurate Electrolocalization of the Brachial Plexus for Interscalene Block Using Electromyographic (EMG) Technology. *Reg Anesth* 20:S15, 1995
36. Sandler A, Finucane B, McKenna J, Reid D, Milner A, Friedlander M, Muzyka D, O'Callaghan-Enright S, Chan V, Nierenberg H: A Pharmacokinetic Comparison Between Ropivacaine 0.5%, 0.75%, 1.0% and Bupivacaine 0.5% in Epidural Anaesthesia: A Double Blind Multi Centre Study in Women Undergoing Hysterectomy. *Can J Anaesth* 42:A43, 1995

37. Chan VWS, Garcia J, Drasner K: A Comparative Study of Hyperbaric Spinal Lidocaine 0.5% Versus 5% for Urologic Surgery. *Anesthesiology* 83:A777, 1995
38. Chan VWS, Chung F, McQuestion M, Gomez M, Cruise C, Evans D, Shumka D: Does Patient Controlled Analgesia (PCA) Therapy Quicken Recovery Following Spinal Surgery? *Anesth Analg* 78: S53, 1994
39. Finucane BT, Sandler AN, McKenna J, Milner A, Friedlander M, Reid D, Muzyka D, Chan V, O'Callaghan-Enright S: A Double-blind Comparison of Clinical Effects of Ropivacaine 0.5%, 0.75%, 1.0%, and Bupivacaine 0.5%, Injected Epidurally in Patients Undergoing Hysterectomy. *Reg Anesth* 19: S11, 1994
40. Chan VWS, Chung F, Gomez M, Baylon GJ: Anesthetic Effects of Single Bolus Versus Incremental Titration of Hyperbaric Spinal Lidocaine Through Microcatheter. *Anesth Analg* 76:S42, 1993
41. Chung FF, Chan VWS, Baylon GJ: Propofol Infusion Induction in the Elderly-Haemodynamic Profile. *Can J Anaesth* 40:A38, 1993
42. Sakura S, Chan V, Ciriales R, Drasner K: Intrathecal Infusion of Lidocaine in the Rat Results in Dose-Dependent, but Not Concentration-Dependent, Sacral Root Injury. *Anesthesiology* 79:A851, 1993
43. Sakura S, Chan V, Ciriales R, Drasner K: Do Local Anesthetic Solutions Currently Used For Spinal Anesthesia Differ in Their Neurotoxic Potential? *Anesthesiology* 79:A880, 1993
44. Chan VWS, Chung F, McQuestion M, Gomez M, Cruise C, Evans D, Shumka D: Patient Controlled Analgesia (PCA) Therapy: Cost Saving in Nursing Time and Early Hospital Discharge? *Can J Anaesth* 39:A73, 1992
45. Yogendran S, McGuire G, Gomez M, Chan V, Chung F: Postoperative Hypoxemia In Ambulatory Surgery. *Can J Anaesth* 39:A134, 1992
46. Chan VWS, Mati N, Seyone C, Evans D, Chung F: Continuous Spinal Anaesthesia: Effects Of Titrated Lidocaine Boluses. *Can J Anaesth* 38:A8, 1991
47. Chan VWS, Chung F, Mati N, Evans D, Cruise C, Shumka D, Seyone C: Patient-Controlled Analgesia (PCA): Use Patterns In Abdominal And Thoracic Surgery. *Can J Anaesth* 38:A115, 1991
48. Chung F, Ong D, Seyone C, Mati N, Powell P, Chan V: A New Postanesthetic Discharge Scoring System For Ambulatory Surgery. *Anesth Analg* 72:S42, 1991
49. Chung F, Seyone C, Mati N, Ong D, Powell P, Chan V: Validation Of An Objective Ambulatory Surgery Discharge Scoring System. *Can J Anaesth* 38:A59, 1991
50. Chan VWS, Evans D, Chung F, Shumka D, Patel P, Seyone C. Economics and Use Patterns of Patient-Controlled Analgesia (PCA): A Canadian Experience, Scientific Exhibit., Canadian Anaesthetists' Society Annual Meeting 1990, Vancouver, Canada
51. Chan VWS, Chung F, Cruise C, Johnston N, Evans D, Shumka D. Initiation and organization of a patient-controlled analgesia (PCA) service: a practical guide, Information Booklet, Canadian Anaesthetists' Society Annual Meeting 1990, Vancouver, Canada
52. Chan VWS, Chung F, Cheng DCH, Seyone C, Chung A, Kirby TJ: Analgesic Effect of Continuous Intercostal Nerve Block Following Thoracotomy. *Anesth Analg* 68:S50, 1989
53. Chan VWS, Ferrante FM, Arthur GR: Analgesic Effect of Intrapleural Bupivacaine Following Thoracotomy. *Can J Anaesth* 36:S154, 1989
54. Chan VWS, GR Arthur and FM Ferrant. Intrapleural Bupivacaine Administration For Pain Relief Following Thoracotomy. International Symposium on Regional Anesthesia 1988, Williamsburg, Virginia
55. Rocco AG, Chan V, Iacobo C. An Algorithm for the Treatment of Pain in Adanced Cancer. Joint Meeting of the Canadian and American Pain Societies 1988, Toronto, Canada

Vincent WS Chan

56. Chan VWS, Chung F, Cheng DCH, Kirby TJ, Chung A, Sandler A: Continuous Intercostal Nerve Block for Pain Relief Following Thoracotomy- A New Approach. Can J Anaesth 35:S113, 1988
57. Chan VWS, H Vosu, PK Morley-Forster. Shivering Following Epidural Anaesthesia For Caesarean Section. Society For Obstetric Anesthesia & Perinatology Annual Meeting 1987, Halifax, Nova Scotia

## **VISITING PROFESSORSHIPS, INVITED LECTURES, SYMPOSIA AND WORKSHOPS**

### **VISITING PROFESSORSHIPS**

- 2004 Dec Ralph M. Waters Visiting Professor, Department of Anesthesiology, University of Wisconsin, Madison, Wisconsin  
Lectures "*Ultrasound Imaging as a Teaching Tool*" and "*Is Ultrasound Guided Nerve Block Practical?*"
- 2004 May Department of Anesthesia, Wake Forest University Health Sciences Center, Winston-Salem, North Carolina  
Lectures "*Ultrasound Imaging As A Teaching Tool*" and "*Is Ultrasound Guided Nerve Block Practical?*"
- 2004 Apr Department of Anesthesia, Universitair Medisch Centrum, St Radboud, Nijmegen, Netherlands  
Lectures "*Epidural Analgesia- Does It Improve Outcome?*", "*Ultrasound Imaging for Peripheral Nerve Blocks*"
- 2004 Jan Department of Anesthesia, University of Western Ontario  
Lecture "*Ultrasound and Regional Anesthesia*"
- 2003 Sep Department of Anesthesiology, Mayo Clinic, Rochester MN  
Lectures "*Ultrasound Imaging for Peripheral Nerve Blocks*", "*Regional Anesthesia Case Presentations*"
- 2001 Apr Department of Anesthesia, University of Iowa, Iowa City, IA  
Lectures "*What is New in Regional Anesthesia for Pain Management?*"  
"*Treatment of Postdural Puncture Headache*"
- 2001 Jan Department of Anesthesia, University of Manitoba, Winnipeg, Canada  
Lecture "*What is New in Regional Anesthesia for Pain Management*"  
Lecture "*Regional Analgesia for Thoracic Surgery*"  
Workshop "*Brachial Plexus Blocks*"
- 2000 Mar Department of Anesthesia, McMaster University, Hamilton, Canada  
Lecture "*Promotion of Regional Anesthesia in a Busy Clinical Practice*"  
Workshop "*Brachial Plexus Blocks*"
- 1999 Oct Leonard Jenkins Visiting Professor, Department of Anesthesia, University of British Columbia, Vancouver, Canada  
Lecture "*Recent Advances in Regional Anesthesia*"  
Lecture "*Epidural Analgesia for Postoperative Pain*"  
Workshop "*Brachial Plexus Blocks*"
- 1999 Mar Department of Anesthesia, University of Calgary  
Lectures "*Recent Advances in Regional Anesthesia*"  
"*Regional Anesthesia in a Teaching Hospital- Challenges and Solutions*"

Vincent WS Chan

- 1995 Sept First Affiliated Hospital of the West China University of Medical Sciences, Sichuan, China "*Understanding the Management of Pain*"
- 1995 Sept Peoples' Hospital of Mingshan Prefecture, Sichuan, China "*Recent Advances in Regional Anesthesia and Pain Management*"

### International Meetings

- 2004 Dec 3<sup>rd</sup> Annual Comprehensive Review of Regional Anesthesia, The Department of Anesthesiology, St. Luke's & Roosevelt Hospitals and New York School of Regional Anesthesia, New York, New York  
Lecture "*What You See is What You Get: Ultrasound-Guided Nerve Blocks*"  
Panel "*Upper Extremity Blocks: Mistakes to Avoid*"
- 2004 Oct 55<sup>th</sup> American Society of Anesthesiologists Annual Meeting, Las Vegas, Nevada  
Lecture "*What You See Is What You Get: Will Ultrasound Become Standard Equipment for Regional Blocks*"  
Lecture "*Neural Localization With Ultrasound*"  
Workshop "*Continuous Nerve Blocks for Pain Control: In the Hospital and Beyond*"
- 2004 Oct 6<sup>th</sup> Regional Anesthesia International Symposium, 2<sup>nd</sup> Orthopedic Anesthesia, Pain and Rehabilitation Symposium, Las Vegas, Nevada  
Workshop "*Use of Ultrasound for Peripheral Nerve Blocks*"
- 2004 Aug 7<sup>th</sup> Pan American Symposium on Regional Anesthesia and Pain Control, Recife, Pernambuco, Brazil  
Lecture "*The Use of Ultrasound for Regional Anesthesia*"  
Workshop "*Ultrasound Guided Brachial Plexus Blocks*"
- 2004 May 2nd Joint Scientific Meeting of the American Pain Society and the Canadian Pain Society, Vancouver  
Lecture "*Regional Analgesic Techniques For Ambulatory Same-day Surgery*"
- 2004 Apr International Symposium on Ultrasound and Regional Anesthesia, Schwetzingen, Germany  
Lectures "*Ultrasound guided brachial plexus blocks*", "*The past, present and future of regional anesthesia in perioperative medicine: an outlook*"
- 2004 Mar American Society of Regional Anesthesia & Pain Medicine - 29th Spring Meeting 2004, Orlando, FL  
Master Class "*Making peripheral nerve blocks work in a busy practice*"  
Lecture "*Using ultrasound for nerve localization*" "*Ultrasound-an innovative approach to teaching regional anesthesia*"  
Intensive workshop "*Mastering the lumbosacral plexus and lower extremity peripheral blockade: A comprehensive approach to anatomy and clinical applications*"
- 2004 Feb 3<sup>rd</sup> International Conference on Pain Control and Regional Anaesthesia, Santiago, Chile  
Lectures "*Adjuvants in Neuraxial Blocks*", "*Does postoperative pain management affect outcome? The role of epidural technique*", "*Ultrasound Guided Peripheral Nerve Blocks*"  
Workshops "*Update on Transient Neurologic Syndrome*", "*Upper Extremity Blocks*"
- 2004 Feb Continuing Medical Education Course, Gulfcoast Ultrasound Institute, Inc., Chicago  
Lecture "*Ultrasound Guided Nerve Block Techniques and CVC Placement for the Anesthesiologist*"

Vincent WS Chan

- 2003 Oct 54<sup>th</sup> American Society of Anesthesiologists Annual Meeting, San Francisco, California  
Lecture "*Lower Extremity Peripheral Nerve Block: Everything You Need to Know From the Experts- Video Presentation of Techniques*"
- 2003 Oct XI<sup>th</sup> Live Videoconference on Regional Anesthesia, Toulouse, France  
Workshop "*Ultrasound Guided Supraclavicular Block*"
- 2003 Apr Lecture, 28<sup>th</sup> American Society of Regional Anesthesia and Pain Medicine Annual Spring Meeting, San Diego, California  
"*Imaging Techniques for Peripheral Nerve Blocks*"
- 2003 Apr Intensive Workshop, Mastering the Lumbosacral Plexus and Lower Extremity Peripheral Blockade: A Comprehensive Approach to Anatomy & Clinical Applications, 28<sup>th</sup> American Society of Regional Anesthesia and Pain Medicine Annual Spring Meeting, San Diego, California
- 2003 Apr Lecture, Controversies and Fundamentals in Regional Anesthesia 2003, 7<sup>th</sup> Annual Symposium, Hospital for Special Surgery, New York, New York  
"*Who says nerve stimulators are the best way to go?*"
- 2002 Nov Lecture, The 22<sup>nd</sup> Annual Meeting of Japan Society for Clinical Anesthesia, Kofu, Japan  
"*Patient Controlled Epidural Analgesia*"
- 2002 May Intensive Workshop, Mastering the Lumbosacral Plexus and Lower Extremity Peripheral Blockade: A Comprehensive Approach to Anatomy & Clinical Applications, American Society of Regional Anesthesia and Pain Medicine Annual Meeting, Chicago, Illinois
- 2002 Apr Master Class, American Society of Regional Anesthesia and Pain Medicine Annual Meeting, Chicago, Illinois  
"*Making Upper Extremity Blocks Work in a Busy Clinical Practice*"
- 2001 Oct Lecture, Society of Ambulatory Anesthesia Mid Year Meeting, New Orleans, Louisiana  
"*New Pharmacological Techniques for Postoperative Analgesia*"
- 2001 Oct Lecture, Panel Speaker, American Society of Anesthesiology Annual Meeting, New Orleans, Louisiana  
"*Recent Advances in Intravenous Regional Anesthesia*"
- 2001 Aug Lectures, 8<sup>th</sup> Annual Comprehensive Review of Pain Management, American Society of Regional Anesthesia and Pain Medicine, Newport Beach, CA  
"*Local Anesthetics*"  
"*Evaluation and Management of Cancer Pain*"  
"*Acute Pain*"
- 2001 Aug Lecture, International Symposium Ambulatory Surgery in the New Millennium, Stockholm, Sweden  
"*Regional Techniques for Ambulatory Surgery- Peripheral Nerve Blocks in Day Surgery*"
- 2001 June Lecture, Society for Education in Anesthesia Annual Meeting, Cleveland, Ohio  
"*Acquiring Regional Anesthesia Skills*"
- 2001 June Workshop, Society for Education in Anesthesia Annual Meeting, Cleveland, Ohio  
"*Teaching Regional Anesthesia- What Works*"
- 2001 May Master Class, American Society of Regional Anesthesia and Pain Medicine Annual Meeting, Vancouver, BC  
"*Making Upper Extremity Blocks Work in a Busy Clinical Practice*"

Vincent WS Chan

- 2000 May Lecture, American Society of Regional Anesthesia and Pain Medicine Annual Meeting, Vancouver, BC  
" *Arm Blocks for Outpatients* "
- 2001 Feb Lectures, Mayo Clinic Symposium on Anesthesia, Perioperative Medicine and Equipment, Orlando, Florida  
" *Treatment of Postdural Puncture Headache* "  
" *Cox-2 Inhibitors: Efficacy and Side Effects* "  
Panel member, " *Expert "On Call" Session* "
- 2000 Sept Lecture, Symposium on Understanding Regional Anesthesia and Perioperative Pain Control, The American Society of Regional Anesthesia, Syracuse, NY  
" *Advantages of Regional Anesthesia* ", " *Brachial Plexus Blockade* "
- 2000 Aug Lecture, 5<sup>th</sup> Pan-American Symposium on Regional Anesthesia and Pain Control  
" *New Technological Advances In Regional Anesthesia* "
- 2000 Aug Interactive Session, 5<sup>th</sup> Pan-American Symposium on Regional Anesthesia and Pain Control " *Analgesic Adjuncts for Regional Anesthesia: What Do I Use?* "
- 2000 Aug Workshop, 5<sup>th</sup> Pan-American Symposium on Regional Anesthesia and Pain Control " *Glass Spine Model* "
- 2000 June Chairman, AstraZeneca Symposium, 12<sup>th</sup> World Congress of Anesthesiologists, Montreal, Canada  
" *An integrated approach to anaesthesia and pain management: Today and tomorrow* "
- 2000 June Chairman, 12<sup>th</sup> World Congress of Anesthesiologists, Montreal, Canada  
" *Regional Analgesia vs. Systemic Analgesia* "
- 2000 June Lecture, 12<sup>th</sup> World Congress of Anesthesiologists, Montreal, Canada  
" *Reflections on the Blood Patch after 40 Years* "
- 2000 June Lecture, International Symposium on Regional Anesthesia & Pain Medicine, Quebec, Canada  
" *Regional for Upper Extremity* "
- 2000 Mar Master Class, American Society of Regional Anesthesia and Pain Medicine Annual Meeting, Orlando, FL  
" *Recent Technical Advances in Regional Anesthesia and Pain Medicine* "
- 2000 Mar Workshop, American Society of Regional Anesthesia and Pain Medicine Annual Meeting, Orlando, FL  
" *Brachial Plexus Above the Clavicle* "
- 2000 Feb Lecture, Symposium on Understanding Regional Anesthesia and Perioperative Pain Control, The American Society of Regional Anesthesia, New Orleans, LA  
" *Brachial Plexus Blockade* "  
Workshop " *Upper Extremity Anesthesia* "
- 1999 Dec Lecture, Current Concepts in Acute, Chronic and Cancer Pain Management, The World Foundation for Pain Relief and Research, New York, NY  
" *Pain Management for the Out-Patient Surgical Patient* "
- 1999 Dec Lecture, Symposium on Understanding Regional Anesthesia and Perioperative Pain Control, The American Society of Regional Anesthesia, Cincinnati, OH  
" *Regional Techniques for Postoperative Pain: Making the Pain Service Work* "  
" *Advantages of Regional Anesthesia* "
- 1999 Sept Lecture, Symposium on Understanding Regional Anesthesia and Perioperative Pain Control, The American Society of Regional Anesthesia, Milwaukee, WI

- 1999 Sept *"Regional Techniques for Postoperative Pain: Making the Pain Service Work"*  
Workshop, Symposium on Understanding Regional Anesthesia and Perioperative Pain Control, The American Society of Regional Anesthesia, Milwaukee, WI  
*"Upper Extremity Anesthesia"*
- 1999 May Lecture, American Society of Regional Anesthesia Annual Meeting, Philadelphia PA *"Regional Anesthesia of the Thorax"*
- 1999 May Workshop, American Society of Regional Anesthesia Annual Meeting, Philadelphia PA *"Brachial Plexus Block Below the Clavicle"*
- 1999 May Panel Discussion, American Society of Regional Anesthesia Annual Meeting, Philadelphia PA *"International Perspectives on Regional Anesthesia"*
- 1999 Feb Lecture, Symposium on Understanding Regional Anesthesia and Perioperative Pain Control, The American Society of Regional Anesthesia, Houston, TX  
*"Brachial Plexus Blockade"*
- 1999 Feb Workshop, Symposium on Understanding Regional Anesthesia and Perioperative Pain Control, The American Society of Regional Anesthesia, Houston, TX  
*"Upper Extremity Anesthesia"*
- 1998 Sept Lecture, Symposium on Understanding Regional Anesthesia and Perioperative Pain Control, The American Society of Regional Anesthesia, Rochester, NY  
*"Upper Extremity Blocks: Perioperative Applications"*
- 1998 Sept Workshop, Symposium on Understanding Regional Anesthesia and Perioperative Pain Control, The American Society of Regional Anesthesia, Rochester, NY  
*"Brachial Plexus Blocks"*
- 1998 May Lecture, American Society of Regional Anesthesia Annual Meeting, Seattle WA  
*"Recent Technological Advances in Regional Anesthesia and Pain Management"*
- 1998 May Workshop, American Society of Regional Anesthesia Annual Meeting, Seattle WA *"Combined Spinal Epidural Anesthesia"*
- 1996 Sept Lecture, Symposium on Regional Anesthesia in the perioperative period, The American Society of Regional Anesthesia, Cambridge, MA  
*"Thoracic Epidural Anesthesia for Chest and Upper Abdominal Surgery"*
- 1995 Sept Lecture, University of California, San Francisco Annual Refresher Course- Changing Practice of Anesthesia, San Francisco, CA  
*"Chronic Pain: Pharmacologic Options when Blocks Fail"*
- 1995 May Lecture, Symposium on Regional Anesthesia for Surgery, The American Society of Regional Anesthesia, Phoenix, Arizona *"Epidural Anesthesia"*
- 1995 Mar Workshop, University of California, San Francisco Continuing Medical Education Course, San Francisco *"Fiberoptic Airway Management"*
- 1994 Nov Workshop, University of California, San Francisco, Continuing Medical Education Course, San Francisco, CA  
*"Fiberoptic Airway Management"*
- 1994 Oct Workshop, American Society of Anesthesiology Annual Meeting, San Francisco  
*"Interactive Video Workshop on Regional Anesthesia"*
- 1994 Aug Lecture, Symposium on Regional Anesthesia for Surgery, The American Society of Regional Anesthesia, Burlingame, CA  
*"Regional Anesthesia for Thoracic and Upper Abdominal Surgery"*
- 1994 Apr Workshop, The American Society of Regional Anesthesia meeting, Chicago  
*"Interpleural, Intercostal and Thoracic Sympathetic Block"*
- 1993 Sept Lecture, University of California, San Francisco Annual Refresher Course- Changing Practice of Anesthesia, San Francisco, CA, USA

*"The Basics of Postoperative Epidural Pain Management"*

National Meetings

- 2004 Dec The Varkey Continuous Catheter Regional Anesthesia and Anatomy Workshop, London, Ontario  
Lectures "*Ultrasound Imaging: Case Vignettes*", "*Ultrasound Guided Vascular Access*"  
Workshop "*Pig Lab Demonstration*"
- 2004 Nov Anaesthetic Practice 2004, University of Toronto, Toronto, Ontario  
Workshop "*Ultrasound Imaging for Regional Anesthesia*"
- 2004 Oct University of Western Ontario  
Lecture "*Basics of Ultrasound Guided Blocks*"  
Workshop "*Ultrasound Guided Brachial Plexus Blocks*"
- 2004 Jun Canadian Anesthesiologists' Society 60<sup>th</sup> Annual Meeting, Quebec City, Quebec  
Moderator, "Applying Ultrasound Technology in Anesthesia" Symposium  
Lecture "*Ultrasound For Line Placement*"
- 2004 May 45<sup>th</sup> Annual McGill Anesthesia Update, Montreal, Quebec  
Lectures "*Regional Anesthesia for Day Surgery*", "*Continuous Peripheral Blockade*"  
Workshop "*Ultrasound in Regional Anesthesia*"
- 2003 Oct Department of Anesthesia, William Osler Health Center, Brampton, Ontario, Canada  
Lecture "*Managing Pain with Opioids*"
- 2003 Sep Lecture, The Third Princess Margaret Hospital Conference: New Developments in Cancer Management, Toronto, Ontario  
"*Intraspinal Analgesia: What Every Oncologist Should Know*"
- 2003 Sep Lecture and workshop, 10<sup>th</sup> Annual Regional Anesthesia and Pain Medicine Conference, Continuing Medical Education, University of Toronto  
Workshop  
"*Ultrasound Imaging for Peripheral Nerve Blocks*"  
"*Inter-Sternocleidomastoid Block*"
- 2003 June Workshop, Canadian Anesthesiologists' Society 59<sup>th</sup> Annual Meeting, Ottawa, Ontario "*Ultrasound and Regional Techniques*"
- 2003 Mar Workshop, 13<sup>th</sup> Annual Hospice Palliative Care Conference, Toronto, Canada  
"*Management of Malignant Pain: Anesthesiologist's Perspectives*"
- 2003 Jan Lecture, The Toronto Chapter of Oncology Nurses Group, Toronto, Canada  
"*Anesthetic Interventions For Cancer Pain*"
- 2002 Sep Lecture and workshop, 9<sup>th</sup> Annual Regional Anesthesia and Pain Medicine Conference, Continuing Medical Education, University of Toronto  
Workshop  
"*New Nonsteroidal Anti-inflammatory Drugs*"  
"*Inter-Sternocleidomastoid and Infraclavicular Brachial Plexus Blocks*"
- 2002 Apr Lecture, Update in General Surgery 2002, 42<sup>nd</sup> Annual Course for Practising Surgeons, University of Toronto, Toronto, Ontario  
"*Epidural Anesthesia versus the Pain Pump*"
- 2002 Feb Lecture, Winterlude Symposium "Controversies in Anesthetic Practice"

Vincent WS Chan

- University of Ottawa, Ottawa, Ontario  
*"What Is The Best Local Anesthetic For Acute Pain Management?"*
- 2002 Feb Workshops, Second Annual Mont Tremblant Anesthesia Meeting, Quebec  
*"Blocks for Arm Surgery"*  
*"Blocks for Leg Surgery"*
- 2001 Dec Lecture, Anaesthetic Practice 2001, Focus on Patient Safety, University of Toronto, Toronto, Ontario  
*"Treatment of Postdural Puncture Headaches"*
- 2001 Nov Lecture and Workshops, The Varkey Continuous Catheter Regional Anesthesia & Anatomy Workshop, London Health Sciences Centre, London, Ontario  
*"How to Set Up Ambulatory Regional Anesthesia Service"*  
*"Intersternocleidomastoid Block"*  
*"Sciatic Block: Labat's Approach"*
- 2001 Sept Lecture, 8<sup>th</sup> Annual Regional Anesthesia and Pain Medicine Conference, Continuing Medical Education, University of Toronto  
*"New Local Anesthetics"*
- 2001 May Lecture, Windsor Regional Hospital, Western Campus, Windsor, Ontario, Canada  
*"Management of Epidural/Spinal Catheter For Cancer Pain"*
- 2001 May Lecture, The Hospice of Windsor, Inc., Windsor, Ontario, Canada  
*"Management of Epidural/Spinal Catheter For Cancer Pain"*
- 2001 May Lecture, Markham-Stouffville Hospital, Department of Anesthesia, Ontario, Canada  
*"Continuous Catheter Techniques for Ambulatory Anesthesia"*
- 2001 Mar Lecture, Department of Anesthesia, St. Joseph's Health Centre, Ontario, Canada  
*"Continuous Peripheral Nerve Catheter and Infusion"*
- 2001 Mar Lecture, Surgical Services Rounds, University Health Network, Toronto, Canada  
*"Pain Management at UHN: An Update"*
- 2000 Oct Workshop, 7<sup>th</sup> Annual Regional Anesthesia and Pain Medicine Conference, Continuing Medical Education, University of Toronto  
*"Brachial Plexus Blocks Above the Clavicle"*
- 2000 Oct Lecture, Neuroscience Rounds, Toronto Western Hospital, University Health Network  
*"Analgesic Care for Patients After Major Spinal Surgery"*
- 2000 Oct Workshop, 7<sup>th</sup> Annual Pain and Symptom Management Conference, Continuing Medical Education, University of Toronto  
*"Management of Epidural Catheters in Home / Hospital Setting"*
- 2000 Sept Lecture, 7<sup>th</sup> Annual Regional Anesthesia and Pain Medicine Conference, Continuing Medical Education, University of Toronto  
*"Treatment of Postdural Puncture Headache"*
- 2000 June Lecture, Ambulatory Anesthesia 2000, Montreal, Canada  
*"Why is Regional Anesthesia the Best for Ambulatory Anesthesia?"*
- 2000 Apr Lecture, Department of Anesthesia, William Osler Health Center, Brampton, Ontario, Canada  
*"How to set up an Acute Pain Service"*
- 2000 Mar Lecture, Palliative Care Grand Rounds, The Temmy Latner Centre for Palliative Care and the Hospice Palliative Care NETwork Project, Toronto, Ontario  
*"Anaesthetic Interventions in Cancer Pain Management"*
- 2000 Mar Lecture, Toronto Vascular Surgery Symposium, Toronto, Ontario

Vincent WS Chan

- “Are there significant benefits to epidural anesthesia for elective vascular surgery?”*
- 1999 Oct Workshop, Regional Anesthesia and Analgesia '99 Conference, Continuing Medical Education, University of Toronto  
*"Psoas Compartment and 3-in-1 Blocks"*
- 1999 Oct Lecture, Grand Round, Department of Anesthesia, Royal Columbian Hospital, British Columbia  
*“Recent Advances in Regional Anesthesia”*
- 1999 May Lecture, Seventeenth Annual Can–Am Clinical Anaesthesia Conference, Niagara–On–The–Lake, Ontario  
*"What's New in Spinal Anesthesia"*
- 1999 May Panel Discussion, Seventeenth Annual Can–Am Clinical Anaesthesia Conference, Niagara–On–The–Lake, Ontario  
*"Controversies in Ambulatory Anesthesia"*
- 1999 May Lecture, McGill Anaesthesia Update '99, Montreal, Quebec  
*"What's New in Spinal Anaesthesia"*
- 1999 May Lecture, McGill Anaesthesia Update '99, Montreal, Quebec  
*"Managing Thoracic Epidurals"*
- 1999 Apr Lecture, Victoria Order of Nursing Canada, Markham, Ontario  
*“Epidural Analgesia”*
- 1999 Apr Lecture, North York General Hospital Department of Anesthesia Round  
*“Patient Controlled Epidural Analgesia”*
- 1999 Mar Lecture, The Toronto Anaesthesia Symposium, Toronto, Ontario  
*"Update on Local Anesthetic Pharmacology"*
- 1998 Nov Lecture, Anaesthetic Practice '98, Continuing Medical Education, University of Toronto  
*“Lidocaine Spinals- Why the Bad Rap?”*
- 1998 Nov Problem Based Learning Workshop, Anaesthetic Practice '98, Continuing Medical Education, University of Toronto  
*“Trouble Shooting in Regional Anaesthesia”*
- 1998 Oct Lecture, Regional Anesthesia and Analgesia '98 Conference, Continuing Medical Education, University of Toronto  
*"Patient Controlled Epidural Analgesia"*
- 1998 Oct Lecture, Regional Anesthesia and Analgesia '98 Conference, Continuing Medical Education, University of Toronto  
*"Spinal Anesthesia in Outpatients"*
- 1998 Oct Workshop, Regional Anesthesia and Analgesia '98 Conference, Continuing Medical Education, University of Toronto  
*"Intercostal and Suprascapular Nerve Blocks"*
- 1998 Oct Lecture, 13<sup>th</sup> Annual Ontario Peri–Anaesthesia Nurses Association Conference  
*"Patient Controlled Epidural Analgesia"*
- 1998 June Refresher Course Lecture, Canadian Anesthetists' Society Annual Meeting, Toronto  
*"Recent Advances in Regional Anesthesia and Pain Management"*
- 1998 June Workshop, Canadian Anesthetists' Society Annual Meeting, Toronto,  
*"Upper Extremity Brachial Plexus Block"*
- 1998 June Workshop, Canadian Anesthetists' Society Annual Meeting, Toronto  
*“How to Set-up a Regional Anaesthesia Program”*
- 1997 Sept Lecture, Regional Anesthesia and Analgesia '97 Conference, Continuing Medical Education, University of Toronto  
*"Intravenous Regional Anesthesia"*

Vincent WS Chan

- 1997 Sept Workshop, Regional Anesthesia and Analgesia '97 Conference, Continuing Medical Education, University of Toronto  
*"Use of Nerve Stimulator and IV Regional Anesthesia"*
- 1997 Apr Workshop, Toronto Anaesthesia Symposium, Toronto *"Peripheral Nerve Blocks"*
- 1997 Mar Lecture, Academy of Medicine, Toronto, Canada *"The Changing Practice of Regional Anesthesia "*
- 1996 Oct Lecture, Anesthesia Round, North York General Hospital, North York, Canada  
*"What's New in Spinal Anesthesia"*
- 1996 Oct Lecture, Anesthesia Round, Women's College Hospital, University of Toronto,  
*"Interscalene Brachial Plexus Block for Shoulder Surgery"*
- 1996 Oct Lecture, Toronto Critical Care Medicine & Trauma Symposium, Toronto  
*"Regional Analgesia in the ICU "*
- 1996 Sept Lecture, Regional Anesthesia '96 Conference, Continuing Medical Education, University of Toronto *"What's New in Spinal Anesthesia"*
- 1996 Sept Workshop, Regional Anesthesia '96 Conference, Continuing Medical Education, University of Toronto *"Thoracic or Lumbar Epidural?"*
- 1996 Sept Workshop, Regional Anesthesia '96 Conference, Continuing Medical Education, University of Toronto *"Thoracic Epidural Anesthesia"*
- 1996 June Workshop, Ontario Medical Association/Canadian Anesthetists' Society Annual Meeting, Windsor, Canada *"Lower Extremity Block"*
- 1996 June Lecture, Case Discussion, Canadian Anesthetists' Society Annual Meeting, Montreal *"Reflex Sympathetic Dystrophy"*
- 1996 June Workshop, Canadian Anesthetists' Society Annual Meeting, Montreal, Canada  
*"Upper Extremity Block"*
- 1993 Oct Lecture, Anesthesia Round, Naval Hospital, Oakland, California, USA  
*"Continuous Spinal Anesthesia"*
- 1993 Oct Lecture, Anesthesia Round, Naval Hospital, Oakland, CA, USA  
*"Current Controversies In The Efficacy of Postoperative Epidural Analgesia"*
- 1991 Oct Lecture, Anaesthesia Round, York County Hospital, Newmarket, Canada  
*"Patient Controlled Analgesia"*
- 1991 May Lecture, Anaesthesia Rounds, Telemedicine Canada, Continuing Medical Education, University of Toronto, *"Management of Postoperative Pain "*
- 1990 March Lecture, Anaesthesia Round, Women's College Hospital, Toronto  
*"Acute Pain Management by a Postoperative Pain Service."*