

¹DR. NORMAN M.R. THIE
CURRICULUM VITAE



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Temporomandibular Disorders/
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Clinical Associate Professor;
Temporomandibular Disorders/
Orofacial Pain Clinic,
Oral Medicine Graduate Program,
Faculty of Medicine and Dentistry,
School of Dentistry, University of
Alberta, Edmonton, Alberta

EDUCATION:

Fellow, American Academy of Orofacial Pain	January 2006
Fellow, American Academy of Oral Medicine	June 2002
Dental Medicine and Stomatology University of Montreal & McGill University, Sleep & Biological Rhythm Research Center Sacred Heart Hospital of Montreal, Montreal, Quebec, Canada	October 2001
Masters in Medical Science (Oral Health Sciences) Temporomandibular Disorders/Orofacial Pain University of Alberta Edmonton, Alberta, Canada	October 2000
Diplomate, American Board of Orofacial Pain	June 1999
Doctor of Dental Surgery University of Western Ontario London, Ontario, Canada	October 1996
Masters of Science – Biology University of Ottawa Ottawa, Ontario, Canada	October 1991
Bachelor of Science – (Honors) Biology University of Ottawa Ottawa, Ontario, Canada	October 1989

ACADEMIC PROFILE:

Clinical Associate Professor, Oral Medicine Graduate Program Temporomandibular Disorders/Orofacial Pain, Faculty of Medicine and Dentistry, School of Dentistry, University of Alberta	2015 -
Clinical Associate Professor and Director, Temporomandibular Disorders/Orofacial Pain Graduate Program, Faculty of Medicine and Dentistry, School of Dentistry, University of Alberta	2001 – 14
Graduate Committee member - School of Dentistry, University of Alberta	2004 –13
Manuscript Reviewer	
- Journal of Orofacial Pain	2004 – ...
- Journal of the Canadian Dental Association	2002 – ...
- European Journal of Oral Health Sciences	2007 – ...
- American Family Physician	2007 – ...
Natural Sciences and Engineering Research Council (NSERC) of Canada research grant reviewer	2003 – ...
Clinical Instructor, University of Western Ontario Operative Dentistry, Periodontics, Oral Medicine/Oral Radiology	1996-1997

PROFESSIONAL MEMBERSHIPS:

Canadian Dental Association
Alberta Dental Association
Canadian Academy of Pain Management
Canadian Pain Society
Canadian Sleep Society
Pain Society of Alberta
American Headache Society
American Academy of Oral Medicine
American Academy of Orofacial Pain
American Academy of Sleep Medicine
International Association for the Study of Pain
Association of University TMD and Orofacial Pain Programs

HONOURS AND AWARDS:

Fellow of the American Academy of Orofacial Pain
Fellow of the American Academy of Oral Medicine
Diplomate of the American Board of Orofacial Pain
University of Alberta Tuition Scholarship
University of Alberta Fund for Dentistry Research Scholarship
Ontario Graduate Scholarship
Immigration and Employment Canada Research Scholarship

PUBLICATIONS

Susan Armijo-Olivo, Laurent Pitance, Vandana Singh, Francisco Neto, Norman Thie and Ambra Michelotti. The effectiveness of manual therapy and therapeutic exercise for temporomandibular disorders: a systematic review and meta-analysis. *PHYS THER*, 2016; 1: 1-45.

Marie Dagenais, David MacDonald, Murray Baron, Marie Hudson, Solène Tatibouet, Russell Steele, Sabrina Gravel, Shrishna Mohit, Tarek El Sayegh, Janet Pope, Audrey Fontaine, Ariel Masetto, Debora Matthews, Evelyn Sutton, Norman Thie, Niall Jones, Maria Copete, Dean Kolbinson, Janet Markland, Getulio Nogueira-Filho, David Robinson, Mervyn Gornitsky. The Canadian Systemic Sclerosis Oral Health Study IV: Oral radiographic manifestations in systemic sclerosis compared with the general population. *Oral Surgery Oral Med Oral Pathol Oral Radiol*, 2015; 215: 104-111.

Murray Baron, Marie Hudson, Solène Tatibouet, Russell Steele, Ernest Lo, Sabrina Gravel, Geneviève Gyger, Tarek El Sayegh, Janet Pope, Audrey Fontaine, Ariel Masetto, Debora Matthews, Evelyn Sutton, Norman Thie, Niall Jones, Maria Copete, Dean Kolbinson, Janet Markland, Getulio Nogueira-Filho, David Robinson, and Mervyn Gornitsky. The Canadian Systemic Sclerosis Oral Health Study II: the relationship between oral and global health-related quality of life in systemic sclerosis. *Rheumatology*, 2015; 54: 692-696.

Susan Armijo Olivo, Ambra Michilotti and Norman Thie 2014. Advances in Physical Therapy Interventions for Managing Orofacial pain. In: Barry J. Sessle (ed) *Orofacial Pain: Recent Advances in Assessment, Management, and Understanding of Mechanisms*. IASP Press. International Association for the Study of Pain, Washington DC, p 269-288

L Avivi-Arbor, K Blanchard, N Rei, J Sawynuk, P Schweinhardt, B Sessle, P Svensson, V Singh, N Thie, M Ware, A Woda. Complementary and alternative medicine, topical agents and the role of stress in chronic orofacial pain. Canadian Orofacial Pain Team Workshop Report On Global Year Against Orofacial Pain. In: *Pain Res Manag* 2014, 19, 1-8; GJ Lavigne, BJ Sessle.

Baron M, Hudson M, Tatibouet S, Steele R, Lo E, Gravel S, Gyger G, El Sayegh T, Pope J, Fontaine A, Masetto A, Matthews D, Sutton E, Thie N, Jones N, Copete M, Kolbinson D, Markland J, Nogueira G, Robinson D, Fritzler M, Gornitsky M. The Canadian Systemic Sclerosis Oral Health Study III: Relationship between disease characteristics and orofacial manifestations in systemic sclerosis. *Arthritis Care Res (Hoboken)*. 2014 Oct 9. doi: 10.1002/acr.22490.

Murray Baron, Marie Hudson, Solène Tatibouet, Russell Steele, Ernest Lo, Sabrina Gravel, Geneviève Gyger, Tarek El Sayegh, Janet Pope, Audrey Fontaine, Ariel Masetto, Debora Matthews, Evelyn Sutton Norman Thie, Niall Jones, Maria Copete, Dean Kolbinson, Janet Markland, Getulio Nogueira-Filho, David Robinson, and Mervyn Gornitsky. The Canadian systemic sclerosis oral health study: orofacial manifestations and oral health-related quality of life in systemic sclerosis compared with the general population. *Rheumatology*, 53: 1386-1394. 2014.

Mohammed Al-Saleh, Vandana Singh, Yasser Khalid, Norman Thie. Clicks, Cracks and Pops; Solving jaw joint and muscle problems. *Family Health*: 33-34, Summer 2013.

Mohammed A.Q. Al-Saleh, Susan Armijo-Olivo, Norman Thie, Hadi Seikaly, Pierre Boulanger, Johan Wolfaardt, Paul Major. Morphologic and Functional Changes in the Temporomandibular Joint and Stomatognathic System after Transmandibular Surgery in Oral and Oropharyngeal Cancers: Systematic Review. *Journal of Otolaryngology-Head & Neck Surgery*, 41: 344–359. 2012.

Armijo-Olivo S, Saleh M, Flores-Mir C, Thie N. EMG and TMD. In response to the Diagnostic Accuracy of Electromyography in Diagnosing Temporomandibular Disorders: A Systematic Review. Letter to Editor. *Journal of the American Dental Association*; 143: 1072-1080. 2012.

Al-saleh M., Flores-Mir C., Aldagreer S., Olivo S., Thie N.M.R. Electromyography in Diagnosing Temporomandibular Disorders: A Systematic Review. *Journal of the American Dental Association*. 143:351-362. 2012.

Senye M, Mir CF, Morton S, Thie NM. Topical Nonsteroidal Anti-inflammatory Medications for Treatment of Temporomandibular Joint Degenerative Pain: A Systematic Review. *Journal of Orofacial Pain*. 26:26-32, 2012.

Armijo-Olivo S, Silvestre RA, Fuentes JP, da Costa BR, Warren S, Major P, Thie NM, Magee DJ. Patients with temporomandibular disorders have increased fatigability of the cervical extensor muscles. *Clinical Journal of Pain*. 28: 55-64, 2012.

Armijo-Olivo S, Rappoport K, Fuentes J, Gadotti I, Major P, Warren S, Thie N, Magee D. Head and cervical posture in patients with temporomandibular Disorders. *Journal of Orofacial Pain*. 25:199-209, 2011.

Armijo-Olivo S, Silvestre R, Fuentes J, Da Costa Bruno, Warren S, Major P, Thie N, Magee D. Electromyographic Evaluation of the Performance of Cervical Flexor Muscles in Patients with Temporomandibular Disorders While Executing the Craniocervical Flexion Test: a cross-sectional study. *Physical Therapy*. 91: 1184-97, 2011.

Armijo-Olivo S, Fuentes J, Major P, Warren S, Thie NM, Magee D. Is Maximal strength of the cervical flexor muscles reduced in patients with temporomandibular Disorders? *Archives of Physical Medicine and Rehabilitation*. 91: 1236-1242, 2010.

Armijo-Olivo S, Fuentes J, Da Costa Bruno, Major P, Warren S, Thie N, Magee D. Reduced endurance of the cervical flexor muscles in patients with concurrent temporomandibular disorders and neck disability. *Manual Therapy* 15:586-592, 2010.

Armijo-Olivo SA, Fuentes J, Major P, Warren S, Thie N, Magee D. The association between neck disability and jaw disability. *Journal of Oral Rehabilitation* 2010 37:670-679.

Norman M.R. Thie. Snoring – When it’s more than just annoying. *Family Health*: 24-27, Spring 2010.

Norman M.R. Thie, Pablo Kimos, Gilles J. Lavigne, Paul W. Major 2009. Sleep structure, bruxism and headache. In: Peter Selvaratnam, Ken Niere and Maria Zuluaga (eds) *Headache, Orofacial Pain and Bruxism: Diagnosis and multidisciplinary approaches to management*, Elsevier Churchill Livingstone, Edinburgh, p 55 – 68.

Judy Watt-Watson, M McGillion, J Hunter, M Choiniere, J. Clark, A Dewar, C Johnston, M. Lynch, P Morley-Forster, D Moulin, N Thie, CL von Baeyer, K Webber. A Survey of Pre-Licensure Pain Curricula in Health Science Faculties in Canadian Universities. *Pain Research & Management*. 14: 439-444, 2009.

Sayeh Ehsani, Mahmoud Alsulaimani, Norman Thie. Why do dentists need to know about myofascial pain? *Journal of the Canadian Dental Association* 75: 109-112, 2009.

J. Watt-Watson M. McGillion, J. Hunter, M. Choiniere, J. Clark, C. Johnston, M. Lynch, P. Morley-Forster, D. Moulin, N. Thie, CL von Baeyer, K. Webber. A Survey of Pre-Licensure Pain Curricula in Health Science Faculties in Canadian Universities. *Pain Research and Management* 13: 151, 2008.

Pablo Kimos, Catherine Biggs, Jennifer Mah, Giseon Heo, Saifudin Rashid, Norman M.R. Thie and Paul W. Major. Analgesic action of gabapentin on chronic pain in the masticatory muscles: A randomized controlled trial. *Pain* 127: 151-160, 2007.

Norman M.R. Thie. Temporomandibular Degenerative Joint Disease. Annual Conference of the Canadian Pain Society. *Pain Research and Management* 11: 93, 2006.

Susan Armijo Olivo, Jaime Bravo, David J. Magee, Norman M.R. Thie, Paul W. Major, Carlos Flores-Mir. The Association Between Head and Cervical Posture and Temporomandibular Disorders: A Systematic Review. *Journal of Orofacial Pain* 20: 9-23, 2006.

Susan Armijo Olivo, David J. Magee, Martin Parfit, Norman M.R. Thie. The Cervical spine, the Stomatognathic System and Orofacial pain: What is the Connection? A Critical Review. *Journal of Orofacial Pain* 20: 271-287, 2006.

Norman M.R. Thie. Headaches – Can your dentist make them go away? *Family Health*: 28-29, Fall 2006.

Boychuk D, Norman M.R. Thie. How do I diagnose degenerative joint disease (osteoarthritis) of the temporomandibular joint? *Journal of the Canadian Dental Association* 71: 46, 2005.

Kimos P, Norman M.R. Thie. How do I manage a patient with trigeminal neuralgia? *Journal of the Canadian Dental Association* 70: 706-707, 2004.

Wilson M, Norman M.R. Thie. Is it true that facial pain may be the initial presenting symptom in a patient with cancer of the lung? *Journal of the Canadian Dental Association* 70: 708, 2004.

Press Release – July 23, 2003 - Canadian Dental Association - Overcoming Pain-Related Sleep Loss – From the article "Understanding and Managing the Interaction between Sleep and Pain: An Update for the Dentist" published in the July/August edition of the *Journal of the Canadian Dental Association (JCDA)*. Defines and explains the nature of pain and its perception. It also gives dentists a practical four-step system to assist them to assess and treat sleep disorders caused by orofacial pain.

Paul W. Major, Helen S.I. Grubisa, Norman M.R. Thie. Triptans for Treatment of Acute Paediatric Migraine: A Systematic Literature Review. *Pediatric Neurology* 29: 425-429, 2003.

Takafumi Kato, Norman M.R. Thie, Nelly Huynh, Shouichi Miyawaki, Gilles J. Lavigne. Topical Review: Sleep Bruxism and the Role of Peripheral Sensory Influences. *Journal of Orofacial Pain* 17: 191-213, 2003.

Maryse Brousseau, Christiane Manzini, Norman Thie, Gilles Lavigne. Understanding and Managing the Interaction between Sleep and Pain: An Update for the Dentist. *Journal of the Canadian Dental Association* 69: 437-442, 2003.

Norman M.R. Thie, Hernandez I, Kimos P. I think my patient needs a splint. What is the best option? Point of care. *Journal of the Canadian Dental Association* 69: 241, 2003.

Hernandez I, Norman M.R. Thie. When should I refer a patient to a specialist in temporomandibular disorders and orofacial pain? *Journal of the Canadian Dental Association* 69: 36, 2003.

Hernandez I, Norman M.R. Thie. Does tooth pain always represent a tooth problem? Point of care. *Journal of the Canadian Dental Association* 69: 36-38, 2003.

Kimos P, Norman M.R. Thie. What is the difference between an open and closed lock? *Journal of the Canadian Dental Association* 69: 38, 2003.

Kimos P, Norman M.R. Thie. What causes temporomandibular joint sounds? Point of care. *Journal of the Canadian Dental Association* 69: 39-40, 2003.

Norman M.R. Thie, Takafumi Kato, Gaby Bader, Jacques Y. Montplaisir and Gilles J. Lavigne. The Significance of Saliva during Sleep and the Relevance of Oromotor Movements. *Sleep Medicine Reviews* 6: 213-227, 2002.

Norman M.R. Thie, Lavigne GJ, Kato T, et al: Relevance of rhythmic masticatory muscle activity (RMMA) in normal controls during sleep. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 91: 429, 2001.

Kato T, Norman M.R. Thie, Montplaisir JY, Lavigne GJ. Bruxism and orofacial movements during sleep. *Dental Clinics of North America* 45: 657-684; 2001.

Norman M.R. Thie, Narasimha G. Prasad and Paul W. Major. Evaluation of glucosamine sulphate compared to ibuprofen for the treatment of temporomandibular joint osteoarthritis: A randomized double blind controlled 3 month clinical trial. *Journal of Rheumatology* 28: 1347-55; 2001.

Norman M.R. Thie. Temporomandibular Degenerative Joint Disease. Masters of Medical Sciences thesis, Faculty of Medicine and Dentistry, University of Alberta, May 2000.

INTERNATIONAL PRESENTATIONS

Armijo-Olivo S, Pitance L, Neto F, Singh V, Thie N, Michelotti A. The Effectiveness of Manual Therapy and Therapeutic Exercise for Temporomandibular Disorders: A Systematic Review and Meta-Analysis. IASP 15th Congress of Pain. Argentina, October 6-10, 2014.

M. Alsaleh, S. Armijo Olivo, S. Al-daghreer, C. Flores Mir, and N. Thie. The Accuracy of Electromyography in Diagnosing Temporomandibular Disorders: A Systematic Review. IADR/AADR/CADR 89th General Session and Exhibition (March 16-19, 2011), San Diego, CA USA.

Armijo-Olivo S, Fuentes J, Da Costa B, Silvestre R, Gadotti, I, Warren S, Major P, Thie N, Magee D. Relationship between Cervical Musculoskeletal Impairments And Temporomandibular Disorders: Clinical And Electromyographic Variables. The World Physical Therapy Conference. Amsterdam, June 2011, Conference Proceedings p.129 CD

Armijo-Olivo S, Fuentes J, Da Costa B, Major P, Warren S, Thie N, Magee D. Endurance of the cervical flexor muscles in patients with Temporomandibular Disorders (TMD). Pain and Movement III Symposium. An official satellite symposium of the 13th World conference on Pain, Montreal, Quebec, Canada. August 29, 2010.

Armijo-Olivo S, Silvestre R, Da Costa B, Major P, Warren S, Thie N, Magee D. The Association between Neck Disability and Jaw Disability in Subjects with Jaw Pain. 13th World conference on Pain, Montreal, Quebec, Canada. August 29-September 2, 2010.

Susan L. Armijo-Olivo BScPT, PhD, Jorge P. Fuentes BScPT, MSc, PT, Paul W. Major DDS, MSc, FRCD(c), Sharon Warren PhD, Norman M. Thie DDS, MSc and David J. Magee BScPT, PhD. Is Maximal Strength of the Cervical Flexor Muscles Reduced in Patients With Temporomandibular Disorders? Presented to the International Conference of Temporomandibular Disorders and Orofacial Pain, August 26–30, 2009, Salvador de Bahia, Brazil.

J. Watt-Watson (PI), M. McGillion Co-PI), J. Hunter (Co-PI), M. Choiniere, AJ. Clark, A. Dewar, C. Johnston, M. Lynch, P. Morley-Forster, D. Moulin, N. Thie, CL von Baeyer, K. Webber (2008). Pre-Licensure Pain Curricula In Health Science Faculties: A Survey Of Canadian Universities. International Association for the Study of Pain 12th World Congress on Pain, Glasgow, August 17-22, 2008 P# 189.

J. Watt-Watson M. McGillion, J. Hunter, M. Choiniere, J. Clark, C. Johnston, M. Lynch, P. Morley-Forster, D. Moulin, N. Thie, CL von Baeyer, K. Webber. A Survey of Pre-Licensure Pain Curricula in Health Science Faculties in Canadian Universities. Annual Conference of the Canadian Pain Society (Victoria, British Columbia, Canada), May 2008.

Moldez M, Nebbe B, Major P, Giseon H, Warren S, Thie N. Predictive value of MRI disc status for TMD clinical signs and symptoms over 4 to 5-year interval in an adolescent patient population. Annual Conference of the American Academy of Orofacial Pain, Los Angeles, California, USA, April 2008.

Wilson M, Boychuk D, Heo G, Major P, Flores C, Thie NMR. Topical Diclofenac Gel Efficacy in Symptomatic Relief of Primary Osteoarthritis of the Knee: Systematic Review and Meta-Analysis. International Association for the Study of Pain (Sydney, Australia), August 2005.

Armijo –Olivo S, Bravo J, Magee D, Major P, Thie N, Flores-Mir C. Relationship between Head and Cervical Posture and Temporomandibular Disorders: A Systematic Review. Proceedings of the 4th International Conference on Orofacial Pain and Temporomandibular Disorders. Sydney-Australia: 2005, p.34.

Norman M.R. Thie. Alternative Musculoskeletal Medications American Academy of Orofacial Pain Annual Meeting (San Juan, Puerto Rico), April 2003.

Sleep Bruxism: Clinical Findings and management
Lavigne GJ, Kato T, Norman M.R. Thie, Montplaisir JY,
American Academy of Orofacial Pain Annual Meeting
(San Antonio, Texas), April 2002

Movement Disorders and Sleep with an Emphasis on Bruxism
and Myofascial Pain Lavigne GJ , Kato T, Norman M.R. Thie, Montplaisir JY,
American Academy of Orofacial Pain Annual Meeting
(San Antonio, Texas), April, 2002.

NATIONAL PRESENTATIONS

Oral and Facial Pain. Edmonton Multidisciplinary Dental Study Club	November 8, 2016
Temporomandibular Joint Disorders (TMD)/Orofacial Pain and Neuromodulators. University of Alberta, Division of Continuing Dental Education; Advanced Neuromodulators: Mid-Face and Lower Face/Neck Regions and Myofascial Pain and Dysfunction Treatment	October 26, 2016
Temporomandibular Joint Disorders (TMD)/Orofacial Pain and Neuromodulators. University of Alberta, Division of Continuing Dental Education; Advanced Neuromodulators: Mid-Face and Lower Face/Neck Regions and Myofascial Pain and Dysfunction Treatment	April 26, 2016
Temporomandibular Joint Disorders (TMD)/Orofacial Pain and Neuromodulators. University of Alberta, Division of Continuing Dental Education; Advanced Neuromodulators: Mid-Face and Lower Face/Neck Regions and Myofascial Pain and Dysfunction Treatment	March 26, 2016
Tooth Pain of non-odontogenic origin; “Oral Pain” University of Alberta, Division of Continuing Dental Education	February 26, 2016
Temporomandibular Joint Disorders (TMD)/Orofacial Pain and Neuromodulators. University of Alberta, Division of Continuing Dental Education; Advanced Neuromodulators: Mid-Face and Lower Face/Neck Regions and Myofascial Pain and Dysfunction Treatment	November 20, 2015
Sleep/Pain & Sleep Apnea. What do you need to Know! Edmonton Dental Assistants Association	September 17, 2015
Temporomandibular Joint Disorders (TMD)/Orofacial Pain and Neuromodulators. University of Alberta, Division of Continuing Dental Education; Advanced Neuromodulators: Mid-Face and Lower Face/Neck Regions and Myofascial Pain and Dysfunction Treatment	May 1, 2015

Alberta Civil Trials Lawyers Association TMJ Injuries, Edmonton, Alberta, Canada	March 18, 2015
Alberta Civil Trials Lawyers Association TMJ Injuries, Calgary, Alberta, Canada	March 16, 2015
Temporomandibular Disorders/Orofacial Pain/Sleep Medicine Royal Canadian Dental Corps - Regional Symposium Presentation 1 Dental Unit Detachment, Edmonton, Alberta, Canada	October 21, 2014
Topical Agents for Chronic Orofacial Pain (COP) Canadian Orofacial Pain Team WORKSHOP NCOHR-CIHR Sheraton Montreal Airport Hotel, Montreal, Canada	November 22, 2013
CTV Alberta Primetime - In-Depth Look at Insomnia Dr. Atul Khullar Northern Alberta Sleep Clinic, Dr. Norman Thie University of Alberta, Dr. Manish Witman University of Alberta	May 30, 2013
Understanding the Impact of Tempomandibulars, Orofacial Pains for the Endodontic Practitioner Calgary, Alberta, Canada	February 5, 2013
The Dentists Role in Diagnosing and Treatment of Sleep Apnea Bernard Snell Hall, University of Alberta Edmonton, Alberta, Canada	October 20, 2012
Understanding the Impact of Tempomandibular /Orofacial Pains for the Endodontic Practitioner Canadian Academy of Endodontics Meeting Edmonton. Alberta, Canada	October 18, 2012
Orofacial Pain Edmonton Pain Interest Group Edmonton, Alberta, Canada	March 22, 2012
Temporomandibular Disorders Insurance Claim Representatives Edmonton, Alberta, Canada	November 9, 2010
Temporomandibular Disorders Alberta Civil Trials Association Edmonton, Alberta, Canada	March 17, 2010

Sleep/Pain, Sleep Apnea Chronic Pain Association of Canada Edmonton, Alberta, Canada	November 1, 2008
Diagnosis and Treatment of Temporomandibular Joint Disorders Central Alberta Dental Association of Alberta Red Deer, Alberta, Canada	January 26, 2008
Sleep/Pain, Sleep Apnea College of Registered Dental Hygienists of Alberta Edmonton, Alberta, Canada	May 5, 2007
Sleep, Sleep Bruxism, Sleep Apnea Central Alberta Dental Association of Alberta Red Deer, Alberta, Canada	April 10, 2007
Sleep, Sleep Bruxism, Sleep Apnea Dental Assistants Association of Alberta Edmonton, Alberta, Canada	March 10, 2007
Temporomandibular Degenerative Joint Disease Annual Conference of the Canadian Pain Society Edmonton, Alberta, Canada	June 15, 2006
Diagnosis and Treatment of Temporomandibular Disorders and other Orofacial Pains Alberta Dental Hygiene Association (Edmonton)	December 6, 2005
Diagnosis and Treatment of Temporomandibular Disorders and other Orofacial Pains Alberta Dental Hygiene Association (Calgary)	December 7, 2005
Temporomandibular Degenerative Joint Disease & Complementary Alternative Medicines Multidisciplinary Dental Study Club of Edmonton	November, 2005
TMD/Orofacial Pain/Sleep Bruxism ½ day course - Alberta College of Denturists, Panorama, British Columbia	June, 2005
TMD/Orofacial Pain – diagnosis and management, Sleep Medicine, Sleep Apnea, Complementary Alternative Medicines Full day course - Peace River District Dental Society	April, 2005

Sleep Medicine, Sleep Bruxism and Sleep Apnea Multidisciplinary Dental Study Club of Edmonton	February, 2005
Sleep/Pain/Temporomandibular disorders & other Orofacial Pains The Chronic Pain Association of Canada	November, 2004
Dental Management of Obstructive Sleep Apnea - What do we know? Symposium on Upper airway considerations in Orthodontics University of Alberta Continuing Dental Education	October, 2004
TMD/Orofacial Pain & Sleep Disordered Breathing Edmonton District Dental Society Edmonton, Alberta	May, 2004
Temporomandibular Degenerative Joint Disease Forum on Dental Occlusion University of Alberta Continuing Dental Education	May, 2004
Sleep and Orofacial Pain: A Symposium for Health Care Providers University of Alberta Continuing Dental Education	Feb, 2004
Relevance of rhythmic masticatory muscle activity (RMMA) in normal controls during sleep Norman M.R. Thie, Lavigne GJ, Kato T, et al American Academy of Oral Medicine Annual Meeting (Montreal, Canada)	May, 2001
Sleep and Pain The University of Alberta Hospital Pain Clinic	December, 2001
Sleep and Pain The Chronic Pain Association of Canada	November, 2001
Sleep Bruxism in Children Lavigne GJ, Kato T, Norman M.R. Thie University of Toronto – Continuing medical education	October, 2000
TMD - It's Not Just Splints Anymore Red Deer District Dental Society Red Deer, Alberta	April, 1999

TMD - It's Not Just Splints Anymore
St. Paul District Dental Society
St. Paul, Alberta

April, 1999

TMD - It's Not Just Splints Anymore
University of Alberta, Dental Continuing Education

May, 1999

Orofacial Pain
The Chronic Pain Association of Canada
Edmonton, Alberta, Canada

November, 1998