

Ernest W.N. LAM

B.Sc.(Hons.), D.M.D., M.Sc., Ph.D., Cert. O.M.R., F.R.C.D.(C)
Diplomate, the American Board of Oral and Maxillofacial Radiology

EDUCATION

<i>Degree</i>	<i>Institution</i>	<i>Date</i>	<i>Field</i>	<i>Supervisor</i>
B.Sc. (Hons.)	University of British Columbia	1985	Chemistry	F.G. Herring
D.M.D.	University of British Columbia	1989	Dentistry	-
M.Sc.	University of British Columbia	1991	Dental Science	A.G. Hannam
Cert. Oral & Maxillofacial Radiology	University of Iowa	1994	Oral & Maxillofacial Radiology	A. Ruprecht
Ph.D.	University of Iowa	1998	Radiation Biology	L.W. Oberley

SPECIALTY CERTIFICATION

Diplomate, the American Board of Oral and Maxillofacial Radiology, 1994
 Fellow, the Royal College of Dentists of Canada (Oral and Maxillofacial Radiology), 1997

LICENSURE

Royal College of Dental Surgeons of Ontario, 2005 to present
 Alberta Dental Association and College, 1998 to present
 Iowa Board of Dental Examiners, 1991 to 1998
 College of Dental Surgeons of British Columbia, 1989 to 2000.

RESEARCH TRAINING

<i>Dates</i>	<i>Institution</i>	<i>Department</i>	<i>Supervisor</i>
1984 to 1985	University of British Columbia	Chemistry Pharmaceutical Sciences	F.G. Herring H.M. Burt
1989 to 1991	University of British Columbia	Oral Biology	A.G. Hannam
1994 to 1998	University of Iowa	Radiology	L.W. Oberley
2001 to 2005	University of Alberta	Pharmacology	R. Schulz

PROFESSIONAL APPOINTMENTS

<i>Position</i>	<i>Institution</i>	<i>Dates</i>
Associate Staff	Princess Margaret Hospital, UHN Toronto, ON	June, 2006 to present
Associate Staff	Mt. Sinai Hospital Toronto, ON	Mar., 2006 to present
Associate Professor (Tenured)	Faculty of Dentistry University of Toronto	Oct., 2005 to present

PROFESSIONAL AFFILIATIONS

<i>Organization</i>	<i>Dates</i>
Royal College of Dental Surgeons of Ontario	Oct., 2005 to present
Canadian Academy of Oral and Maxillofacial Radiology	Nov., 1999 to present
Alberta Dental Association and College	July, 1998 to present
Royal College of Dentists of Canada	Aug., 1997 to present
American Board of Oral and Maxillofacial Radiology	Nov., 1994 to present
American Academy of Oral and Maxillofacial Radiology	July, 1992 to present
Canadian Association for Dental Research	Jan., 1992 to present
International Association for Dental Research	Jan., 1987 to present
Canadian Dental Association	Jan., 1986 to present
College of Dental Surgeons of British Columbia	June, 1989 to Dec., 2000

TEACHING EXPERIENCE

<i>Institution</i>	<i>Course</i>	<i>Dates</i>
Faculty of Dentistry University of Toronto	317-Y1 Oral Radiology (Drs. R. Barlow, S. Perschbacher, Course Directors)	Oct., 2005 to present
	DEN 1007F Graduate Oral Radiology	Oct., 2006 to present

COMMITTEE MEMBERSHIPS

<i>Organization (Position)</i>	<i>Dates</i>
The Royal College of Dentists of Canada (Secretary/Treasurer)	Jan., 2008 to present
The Royal College of Dentists of Canada (Chief Examiner, Oral & Maxillofacial Radiology)	Jan., 2006 to present
The National Dental Examining Board of Canada (Examinations Consultant)	Oct., 2004 to present
<i>Canadian Dental Association Journal</i> (Advisory Board member)	Nov., 2001 to present

AWARDS

<i>Award, Organization</i>	<i>Dates</i>
Farquharson Research Scholarship, Medical Research Council of Canada	May, 1986 to Aug., 1986 May, 1987 to Aug., 1987 May, 1988 to Aug., 1988 May, 1989 to Aug., 1989
Student Clinician Award, Canadian Dental Association/Dentsply Teacher/Researcher Fellowship, Canadian Fund for Dental Education	May, 1987 July, 1991 (Declined) July, 1992
Henry M. Thornton Award, Canadian Fund for Dental Education Fellowship Award, Medical Research Council of Canada	July, 1992 July, 1995 to June, 1998
Young Investigator Award, Oxygen Society	Nov., 1996
Support Group Leader of the Year, Faculty of Medicine and Dentistry	2001
Clinical Investigator Award, Alberta Heritage Foundation for Medical Research	July, 2001 to Sept., 2005
W.W. Wood Teaching Award, Association of Canadian Faculties of Dentistry	2003

PEER REVIEW

Dentomaxillofacial Radiology (ad hoc)
European Journal of Oral Sciences (ad hoc)
Journal of the Canadian Dental Association
 Natural Sciences and Engineering Research Council of Canada (*ad hoc*)
Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontology (Oral & Maxillofacial Radiology section) (ad hoc)
Radiation Research (ad hoc)
Special Care in Dentistry (ad hoc)

GRADUATE STUDENT SUPERVISION

Supervisory committee memberships for graduate students:

<i>Date</i>	<i>Name of Student</i>	<i>Degree</i>
1999	Mark-Ulrich Knoefl	M.Sc. (Orthodontics)
2000	Jeffrey Stewart	M.Sc. (Orthodontics)
2001	Ian McKee	M.Sc. (Orthodontics)
2001	Biljana Trpkova	M.Sc. (Orthodontics)
2003	Farah Mawani	M.Sc. (Orthodontics)
2003	Kurt Popowich	M.Sc. (Orthodontics)
2005	Keith King	M.Sc. (Orthodontics)
2005	Mariano Garcia	M.Sc. (Orthodontics)
2006	Ricarda Prentice	M.Sc. (Orthodontics)
2006	Susanne Perschbacher	M.Sc. (Oral Radiology)
2006 to 2008	Mariam Baghdady	M.Sc. (Oral Radiology)
2007 to present	Noura Al-Sufyani	M.Sc. (Oral Radiology)
2007 to present	Fatima Jadu	Ph.D. (Oral Radiology)
2007 to present	Brian Laski	M.Sc. (Orthodontics)
2008 to present	Jaffer Kermalli	M.Sc. (Periodontology)

Examining committees for graduate students:

<i>Date</i>	<i>Name of Student</i>	<i>Degree</i>	<i>Type</i>
1999	Craig Williams	M.Sc. (Physiology)	Final
2000	Kirby Cadman	M.Sc. (Orthodontics)	Final
2000	Colleen Adams	M.Sc. (Orthodontics)	Final
2004	Hernando Leon	Ph.D. (Medical Sciences, Pharmacology)	Candidacy
2005	Sharon Barker	Ph.D. (Oncology)	Final
2007	Sarah Al-Fiddel	Ph.D. (Prosthodontics)	Candidacy
2008	Tracy Doyle	M.Sc. (Pediatric Dentistry)	Final

PUBLICATIONS

1. Herring FG, **Lam EWN**, Burt HM. A spin label study of the membranolytic effects of monosodium urate monohydrate. *J. Rheumatol.* **13**:623-630; 1986.
2. Burt HM, Evans E, **Lam EWN**, Gehrs PF, Herring FG. Membranolytic effects of monosodium urate monohydrate: influence of grinding. *J. Rheumatol.* **13**:778-783; 1986.
3. **Lam EWN**, Hannam AG, Wood WW, Fache JS, Watanabe M. Imaging orofacial tissues by magnetic resonance. *Oral Surg., Oral Med., Oral Pathol.* **68**:2-8; 1989.

4. **Lam EWN**, Hannam AG, Christiansen EL. Estimation of tendon-plane orientation within human masseter muscle from reconstructed magnetic resonance images. *Archs. Oral Biol.* **36**:845-853; 1991.
5. **Lam EWN**, Hannam AG. Regional ³¹P magnetic resonance spectroscopy of exercising human masseter muscle. *Archs. Oral Biol.* **37**:49-56; 1992.
6. **Lam EWN**, Ruprecht A. Delayed eruption of teeth. *Iowa Dent. J.* **78**:13, 15-16; 1992.
7. **Lam EWN**, Ruprecht A. Radiolucent entity of the anterior maxilla. *Iowa Dent. J.* **80**:17-18; 1994.
8. **Lam EWN**, Ruprecht A, Dolan KM, Frank JA. Osteomyelitis of the mandible simulating a Stafne mandibular lingual cortical defect. *Ann. Otol. Rhinol. Laryngol.* **103**:490-494; 1994.
9. **Lam EWN**, Ruprecht A, Yang J. Comparison of two-dimensional orthoradially formatted computed tomography and panoramic radiography for dental implant treatment planning. *J. Prosthet. Dent.* **74**:42-46; 1995.
10. **Lam EWN**, Zwacka R, Engelhardt JF, Davidson BL, Domann Jr. FE, Yan T, Oberley LW. Adenovirus-mediated manganese superoxide dismutase gene transfer to hamster cheek pouch carcinoma cells. *Cancer Res.* **57**:5550-5556; 1997.
11. Närhi TO, Ettinger RA, **Lam EWN**. Radiographic findings, ridge resorption and subjective complaints of complete denture patients. *Int. J. Prosthodont.* **10**:183-189; 1997.
12. **Lam EWN**, Zwacka R, Seftor EA, Nieva D, Davidson BL, Engelhardt JF, Hendrix MJC, Oberley LW. Effects of antioxidant enzyme overexpression on the invasive phenotype of hamster cheek pouch carcinoma cells. *Free Radic. Biol. Med.* **27**:572-579; 1999.
13. **Lam EWN**, Hammad HM, Zwacka R, Darby CJ, Baumgardner KR, Davidson BL, Oberley TD, Engelhardt JF, Oberley LW. Immunolocalization and adenoviral vector-mediated manganese superoxide dismutase gene transfer to experimental oral tumors. *J. Dent. Res.* **79**:1410-1417; 2000.
14. **Lam EWN**, Canadian Academy of Oral & Maxillofacial Radiology. Diagnostic challenge. CAOMR challenge no. 2. *J.C.D.A.* **67**:336-338; 2001.
15. McKee IW, Glover KE, Williamson PC, **Lam EWN**, Heo G, Major PW. The effect of vertical and horizontal head positioning in panoramic radiography on mesiodistal tooth angulations. *Angle Orthodont.* **71**:442-451; 2001.
16. Stewart JA, Heo G, Glover KE, Williamson PC, **Lam EWN**, Major PW. Factors relating to treatment duration of palatally impacted maxillary canines. *Am. J. Orthodont. Dentofac. Orthoped.* **119**:216-225; 2001.
17. McKee IW, Glover KE, Williamson PC, **Lam EWN**, Heo G, Major PW. The accuracy of four panoramic units in the projection of mesiodistal tooth angulations. *Am. J. Orthodont. Dentofac. Orthoped.* **121**:166-175; 2002.
18. Yang J, **Lam EWN**, Hammad HM, Oberley TD, Oberley LW. Antioxidant enzyme levels in oral squamous cell carcinoma and normal human oral epithelium. *J. Oral Pathol. Med.* **31**:71-77; 2002.
19. **Lam EWN**, Canadian Academy of Oral & Maxillofacial Radiology. Diagnostic Challenge. CAOMR challenge no. 10. *J.C.D.A.* **69**: 448, 450; 2003.

20. **Lam EWN**, Kelley EE, Martin, SM, Buettner GR. Nitric oxide release from smokeless tobacco xenobiotics. *Tobacco Induced Diseases* **1**:207-211; 2003.
21. Trpkova B, Prasad NG, **Lam EWN**, Raboud D, Glover KE, Major PW. Assessment of facial asymmetries from posteroanterior cephalograms: Validity of reference lines. *Am. J. Orthod. Dentofacial Orthop.* **123**:512-520; 2003.
22. Packota GV, Petrikowski CG, **Lam EW**. Converting your radiographs into digital format. *J.C.D.A.* **70**:711-714; 2004.
23. Barley RDC, Pollock S, Shallow MC, Peters E, **Lam EW**. Tobacco-related compound-induced nitrosative stress injury in the hamster cheek pouch. *J. Dent. Res.* **83**:903-908; 2004.
24. Mawani F, **Lam EW**, Heo G, McKee I, Raboud DW, Major PW. Condylar Shape Analysis using Panoramic Radiography Units and Conventional Tomography. *Oral Surg., Oral Med., Oral Pathol., Oral Radiol., Endod.* **99**:341-348; 2005.
25. Yiu V, **Lam E**, Begg D, Rayner D, Sterns L, Kowaleswka-Grochowska K, Leonard J, Wilson B, Peters E, Ganatra S, Gitzel B, Cobban S. Mandatory one on one student advisor meetings with students in the Faculty of Medicine and Dentistry. *Univ. Alberta Health Sci. J.* **2**:7-10; 2005.
26. Burgess CA, **Lam EW**. CAOMR Diagnostic Challenge No. 20. *J.C.D.A.* **71**:843-844; 2005.
27. King KS, **Lam EW**, Faulkner MG, Heo G, Major PW. Predictive Factors of Vertical Bone Depth in the Paramedian Palate of Adolescents. *Angle Orthodont.* **76**:745-751; 2006.
28. King KS, **Lam EW**, Faulkner MG, Heo G, Major PW. Vertical bone volume in the paramedian palate of adolescents: a computed tomography study. *Am. J. Orthod. Dentofacial Orthop.* **132**:783-788; 2007.
29. **Lam EW**. Point of Care (Question 4): Where does cone beam computed tomography fit into modern dental practice. *J.C.D.A.* **73**: 921-923; 2007.
30. Kermalli JY, Deporter DA, Lai JY, **Lam E**, Atenafu E. Performance of threaded versus sintered porous-surfaced dental implants using open window or direct osteotome-mediated sinus elevation: a retrospective study. *J. Periodontol.* **79**:728-736; 2008.
31. Garcia-Figueroa MA, Raboud DW, **Lam EW**, Heo G, Major PW. Effect of buccolingual root angulation on the mesiodistal angulation shown on panoramic radiographs. *Am. J. Orthod. Dentofacial Orthop.* **134**:93-99; 2008.
32. Palla S, Hylander WL, McMillan AS, **Lam, EW**, Watanabe M, Langenbach GEJ, Stavness I, Peck CC, Hannam AG. From movement to models: a tribute to Professor Alan Hannam. *J. Orofac. Pain* **22**:307-316; 2008.
33. Chadwick JW, Prentice RN, Major PW, **Lam EW**. Image distortion and magnification of 3 digital CCD cephalometric systems. *Oral Surg., Oral Med., Oral Pathol., Oral Radiol., Endod.* **107**:105-112; 2009.
34. **Lam EW**, Lee L, Perschbacher SE, Pharoah MJ. The occurrence of keratocystic odontogenic tumours in nevoid basal cell carcinoma syndrome. *Dentomaxillofac. Radiol.*; 2009 (in press).

Book Chapters:

1. Ruprecht A, **Lam EWN**. Imaging facial trauma. *Oral & Maxillofac. Surg. Clinics N. America* **13**:603-622; 2001.
2. Ruprecht A, **Lam EWN**. Paranasal Sinuses. In: White SC, Pharoah MJ, *Oral Radiology, Principles and Interpretation* (5th edition). St. Louis: Mosby, 2004; pp. 576-596.
3. **Lam EWN**. Carcinogenic Mechanisms of Smokeless Tobacco. In: Wang XL, Scott DA, *Molecular Mechanisms for Cigarette Smoking-Induced Diseases*. Hauppauge (NY): Nova, 2005; pp. 377-402.
4. Ruprecht A, **Lam, EWN**. Paranasal sinuses. In: White SC, Pharoah MJ. *Oral Radiology Principles and Interpretation* (6th edition), St. Louis: Mosby, 2008; pp. 506-525.
5. **Lam EWN**. Dental anomalies. In: White SC, Pharoah MJ. *Oral Radiology Principles and Interpretation* (6th edition), St. Louis: Mosby, 2008; 295-324.
6. **Lam EWN**. Trauma to teeth and facial structures. In: White SC, Pharoah MJ. *Oral Radiology Principles and Interpretation* (6th edition), St. Louis: Mosby, 2008; 541-561.
7. Pharoah MJ, **Lam EWN**. Diagnostic imaging applied to implantology. In: Zarb GA *et al*. *Osseointegration: On Continuing Synergies in Surgery, Prosthodontics and Biomaterials*. Hanover Park: Quintessence, 2008; pp. 59-66.

Theses:

1. *An ESR study of the membranolytic effects of crystalline monosodium urate monohydrate*. B.Sc. (Hons.) thesis, Department of Chemistry, the University of British Columbia, Vancouver; 1985.
2. *Human masseter muscle studies by magnetic resonance*. M.Sc. (Dental Science) thesis, Department of Oral Biology, the University of British Columbia, Vancouver; 1991.
3. *Immunolocalization and adenoviral vector-mediated gene transfer of antioxidant enzymes in experimental oral tumors*. Ph.D. (Radiation Biology Graduate Program) thesis, Department of Radiology, the University of Iowa, Iowa City; 1998.

Published Abstracts:

1. **Lam EWN**, Hannam AG, Christiansen EL. Imaging jaw muscle architecture by magnetic resonance. *J. Dent. Res.* **67** (Special Issue):254; 1988.
2. **Lam EWN**, Hannam AG. Regional ³¹P magnetic resonance spectroscopy of exercising human masseter muscles. *J. Dent. Res.* **70** (Special Issue):553; 1991.
3. Darby CJ, Smith B, **Lam EWN**, Oberley LW. BCNU cytotoxicity is enhanced by overexpression of antioxidant enzymes *in vitro* and *in vivo*. *Free Radic. Biol. Med.* **25** (Supplement 1): S116; 1998.
4. **Lam EWN**, Zwacka R, Darby CJ, Engelhardt JF, Davidson BL, Oberley LW. Adenoviral vector-mediated manganese superoxide dismutase gene transfer to experimental oral tumors. *Free Radic. Biol. Med.* **25** (Supplement 1): S117; 1998.
5. **Lam EWN**, Zwacka R, Seftor EA, Nieva D, Hendrix MJC, Davidson BL, Engelhardt JF, Oberley LW. Modulating the invasive phenotype of hamster cheek pouch carcinoma (HCPC-1) cells. *Free Radic. Biol. Med.* **25** (Supplement 1): S118; 1998.

6. **Lam EWN**, Zwacka R, Darby CJ, Davidson BL, Engelhardt BL, Oberley LW. Adenoviral vector-mediated manganese superoxide dismutase gene transfer to experimental oral tumors. *J. Dent. Res.* **78** (Special Issue): 289; 1999.
7. **Lam EWN**, Kelley EE, Buettner GR. Nitric oxide release from smokeless tobacco and nicotine. *J. Dent. Res.* **80** (Special Issue): 22; 2001.
8. **Lam EWN**, Kelley EE, Martin SM, Buettner GR. Nitric oxide release from smokeless tobacco xenobiotics. *Free Radic. Biol. Med.* **33** (Supplement 2): S39; 2002.
9. **Lam EWN**, Kelley EE, Martin SM, Buettner GR. Nitric oxide release from smokeless tobacco xenobiotics. *J. Dent. Res.* **82** (Special Issue A): 77; 2003.
10. Barley RDC, **Lam EWN**. Effects of smokeless tobacco on protein nitrosation in oral keratinocytes. *J. Dent. Res.* **83** (Special Issue A): 1235; 2004.
11. DuVal M, Pollock S, **Lam EWN**. Nitrosative damage from smokeless tobacco xenobiotics. *J. Dent. Res.* **83** (Special Issue A): 2440; 2004
12. **Lam EWN**, Barley RDC, Shallow MC, Peters E. Nitrosation of tyrosine in the hamster cheek pouch. *J. Dent. Res.* **83** (Special Issue A): 1234; 2004.
14. Pollock S, Barley RDC, **Lam EWN**. Quantifying DNA damage from smokeless tobacco xenobiotics in immortalized human oral keratinocytes. *J. Dent. Res.* **83** (Special Issue A): 2438; 2004.
15. Baghdady M, Klieb HE, Lee L, Mock D, **Lam EWN**. Granular Cell Ameloblastoma: Report of a Case and Review of the Literature. *Oral Surg, Oral Med, Oral Pathol, Oral Radiol, Endod* **105**:e48-49; 2008.
16. Chadwick J, Prentice RN, Major PW, **Lam EWN**. Image Distortion and Magnification of Three Digital CCD Cephalometric Systems. *Oral Surg, Oral Med, Oral Pathol, Oral Radiol, Endod* **105**:e50; 2008.
17. **Lam EWN**, Lee L, Perschbacher SE, Pharoah MJ. The Occurrence of Keratocystic Odontogenic Tumors in Nevoid Basal Cell Carcinoma Syndrome. *Oral Surg, Oral Med, Oral Pathol, Oral Radiol, Endod* **105**:e55; 2008.

PRESENTATIONS AT SCIENTIFIC MEETINGS

1. **Lam EWN**, Hannam AG. Imaging jaw muscle architecture by magnetic resonance. Satellite Symposium on Orofacial Sensorimotor Function, International Union of Physiological Sciences, Vancouver; 1986.
2. **Lam EWN**. Imaging jaw architecture by magnetic resonance. Canadian Dental Association/Dentistry Student Clinician program, Canadian Dental Association, Montréal; 1987.
3. **Lam EWN**, Hannam AG, Christiansen EL. Imaging jaw muscle architecture by magnetic resonance. International Association for Dental Research, Montréal; 1988.
4. **Lam, EWN**, Hannam AG. Regional ³¹P magnetic resonance spectroscopy in exercising human masseter muscles. International Association for Dental Research, Acapulco; 1991.
5. **Lam EWN**, Ruprecht A, Dolan K, Frank JA. Osteomyelitis of the mandible. American Society of Head & Neck Radiology, Vancouver; 1993.

6. **Lam EWN**, Hammad H, Baumgardner K, Oberley TD, Oberley LW. Antioxidant enzyme distribution during oral carcinogenesis in the hamster cheek pouch. Oxygen Society, Pasadena; 1995.
7. **Lam EWN**, Zwacka R, Engelhardt JF, Oberley LW. Adenovirus-mediated manganese superoxide dismutase gene transfer to hamster cheek pouch carcinoma cells: *in vitro* results. Oxygen Society, Miami Beach; 1996.
8. **Lam EWN**, Zwacka R, Engelhardt JF, Nieva D, Seftor EA, Hendrix MJC, Oberley LW. The effects of antioxidant enzyme overexpression on the invasive phenotype of hamster cheek pouch carcinoma cells. 13th Mallinkrodt Institute of Radiology/Radiation Oncology Center Radiation and Biological Sciences Symposium, St. Louis; 1997.
9. **Lam EWN**, Zwacka R, Darby CJ, Engelhardt JF, Davidson BL, Oberley LW. Adenoviral vector-mediated manganese superoxide dismutase gene transfer to experimental oral tumors. Oxygen Society, Washington DC; 1998.
10. **Lam EWN**, Zwacka R, Seftor EA, Nieva D, Hendrix MJC, Davidson BL, Engelhardt JF, Oberley LW. Modulating the invasive phenotype of hamster cheek pouch carcinoma (HCPC-1) cells. Oxygen Society, Washington DC; 1998.
11. **Lam EWN**, Zwacka R, Darby CJ, Davidson BL, Engelhardt JF, Oberley LW. Adenoviral vector-mediated manganese superoxide dismutase gene transfer to experimental oral tumors. International Association for Dental Research, Vancouver; 1999.
12. **Lam EWN**, Kelley EE, Buettner GR. Nitric oxide release from smokeless tobacco and nicotine. American Association for Dental Research, Chicago; 2001.
13. **Lam EWN**, Kelley EE, Martin SM, Buettner GR. Nitric oxide release from smokeless tobacco xenobiotics. Oxygen Society, San Antonio; 2002.
14. **Lam EWN**, Kelley EE, Martin SM, Buettner GR. Nitric oxide release from smokeless tobacco xenobiotics. American Association for Dental Research, San Antonio; 2003.
15. **Lam EWN**. Animal models in oral carcinogenesis. International Society for the Prevention of Tobacco Induced Diseases (invited), Winnipeg; 2003.
16. Barley RDC, **Lam EWN**. Effects of smokeless tobacco on protein nitrosation in oral keratinocytes. International Association for Dental Research, Honolulu; 2004.
17. Duval M, Pollock S, **Lam EWN**. Nitrosative damage from smokeless tobacco xenobiotics. International Association for Dental Research, Honolulu; 2004.
18. **Lam EWN**, Barley RDC, Shallow MC, Peters E. Nitrosation of tyrosine in the hamster cheek pouch. International Association for Dental Research, Honolulu; 2004.
20. Pollock S, Barley RDC, **Lam EWN**. Quantifying DNA damage from smokeless tobacco xenobiotics in immortalized human oral keratinocytes. International Association for Dental Research, Honolulu; 2004.
21. **Lam EWN**. Reactive oxygen species production from smokeless tobacco. International Society for the Prevention of Tobacco Induced Diseases (invited). Louisville; 2004.
22. Major, P, King KS, Heo G, **Lam EWN**. The Paramedian Palate of Adolescents Explored with Cone Beam CT. American Association for Dental Research, Baltimore; 2005.

23. Prentice RN, Major PW, Heo G, **Lam EWN**, Raboud DW. Accuracy and Precision of Scanning Direct Digital Cephalometric Radiographs. American Association for Dental Research, Orlando; 2006.
24. Baghdady MB, Lee L, Pharoah M, Symington OG, **Lam EWN**. Noonan syndrome with multiple giant cell lesions. American Academy of Oral and Maxillofacial Radiology, Kansas City, MO, November, 2006.
25. Jadu, F, **Lam EWN**, Lee L, Pharoah M. Central giant cell granuloma of the mandibular condyle. American Academy of Oral and Maxillofacial Radiology, Kansas City, MO, November, 2006.
26. Perschbacher SE, Pharoah MJ, Leake J, **Lam EWN**, Lee L. A retrospective analysis of referral patterns for oral radiologic consultation. American Academy of Oral and Maxillofacial Radiology, Kansas City, MO, November, 2006.
27. **Lam EWN**, Lee L, Perschbacher SE, Pharoah MJ. The occurrence of odontogenic keratocysts in nevoid basal cell carcinoma syndrome. International Association of Dentomaxillofacial Radiology, Beijing, June, 2007.
28. Baghdady M, Klieb, HE, Lee, L, Mock, D, **Lam EWN**. Granular cell ameloblastoma: Report of a case and review of the literature. American Academy of Oral and Maxillofacial Radiology, Chicago, IL, November, 2007.
29. Chadwick J, Prentice RN, Major PW, **Lam EWN**. Image distortion and magnification of 3 digital CCD cephalometric systems. American Academy of Oral and Maxillofacial Radiology, Chicago, IL, November, 2007.
30. **Lam EWN**. Multi-dimensional imaging of the jaws. Satellite symposium on Orofacial Pain and Motor Control, International Association for Dental Research, Toronto, ON, July, 2008.
31. Al-Sufyani N, **Lam EWN**, Pharoah MJ. Simple bone cysts and the cemento-osseous dysplasias. American Academy of Oral and Maxillofacial Radiology, Pittsburgh, PA, October, 2008.
32. Baghdady M, Woods NN, Regehr G, **Lam EWN**. The role of basic sciences in diagnostic radiology. American Academy of Oral and Maxillofacial Radiology, Pittsburgh, PA, October, 2008.
33. Chadwick JW, **Lam EWN**. The effects of slice thickness and interslice interval on bone height measurements in cone beam CT studies. American Academy of Oral and Maxillofacial Radiology, Pittsburgh, PA, October, 2008.
34. Jadu F, Yaffe M, **Lam EWN**. Cone beam computed tomography sialography versus conventional sialography: a dosimetric study. American Academy of Oral and Maxillofacial Radiology, Pittsburgh, PA, October, 2008.
35. Lee L, **Lam EWN**, Pharoah MJ. Myositis ossificans circumscripta of the temporalis muscle: report of 2 cases. American Academy of Oral and Maxillofacial Radiology, Pittsburgh, PA, October, 2008.

PRESENTATIONS AT CLINICAL MEETINGS

1. *2D and 3D Imaging of the Face and Jaws*. Multidisciplinary Study Club, Edmonton; 1999.
2. *2D and 3D Imaging of the Face and Jaws*. Alberta Society of Dental Specialists, Red Deer, AB; 1999.
3. *Normal Anatomy on Oral & Maxillofacial Radiographs*. Dental Hygiene Select Study Club, Edmonton, AB; 1999.
4. *Reviews in Oral Pathology and Radiology*. University of Alberta Continuing Dental Education, Edmonton, AB; 2000.
5. *Radiation Biology and Protection*. Dental Hygiene Select Study Club, Edmonton, AB; 2000.
6. *Radiation Protection: What do you and your patients need to know*. University of Alberta Continuing Dental Education, Edmonton, AB; 2001.
7. *Imaging of the Periodontal Diseases*. Dental Hygiene Select Study Club, Edmonton, AB; 2000.
8. *Clinical Radiology Conference*. University of Minnesota School of Dentistry, Department of Endodontics, Minneapolis, MN; 2001.
9. *Risk vs. Benefit: The Ins and Outs of Radiologic Decision Making*. Edmonton & District Dental Society, Edmonton, AB; 2002.
10. *Risk vs. Benefit: The Ins and Outs of Radiologic Decision Making*. Dental Hygiene Select Study Club, Edmonton, AB; 2002.
11. *Clinical Radiology Conference*. University of Minnesota School of Dentistry, Department of Endodontics, Minneapolis; 2002.
12. *Multi-Dimensional Imaging For Dental Implants and of the Temporomandibular Joint*. Red Deer Study Club, Red Deer, AB; 2002.
13. *Common Things Occur Commonly*. Dental Hygiene Select Study Club, Edmonton, AB; 2003.
14. *Common Things Occur Commonly*. Park Dental, Minneapolis, MN; 2003.
15. *Imaging Root Parallelism using Panoramic Radiography*. University of Minnesota School of Dentistry, Department of Orthodontics, Minneapolis, MN; 2003.
16. *Diving Into Digital: Are You Ready to Take the Plunge?* University of Alberta Continuing Dental Education, Edmonton, AB; 2003.
17. *An Introduction to Cone Beam Computed Tomography: Applications for TMJ Imaging*. TMJ Study Club, Edmonton, AB; 2004.
18. *Cone Beam Computed Tomography: Applications in Orthodontics*. University of Minnesota School of Dentistry, Department of Orthodontics. Minneapolis, MN; 2004.
19. *Cone Beam Computed Tomography: Applications in Imaging of Orofacial Pain*. University of Minnesota School of Dentistry, Orofacial Pain Program, Minneapolis, MN; 2004.
20. *Clinical Radiology Conference*. University of Minnesota School of Dentistry, Department of Endodontics, Minneapolis, MN; 2004.

21. *Pre-operative Imaging for Dental Implants: an Introduction to Cone Beam Computed Tomography*. Canadian Academy of Restorative Dentistry and Prosthodontics, Banff, AB; 2004.
22. *Temporomandibular Joint Imaging*. Canadian Academy of Restorative Dentistry and Prosthodontics, Banff, AB 2004.
23. *An Introduction to Cone Beam Computed Tomography*. Alberta Gnathological Society, Edmonton, AB; 2005.
24. *The ABCs of CT*. Alberta Dental Hygienists' Association, Edmonton, AB; 2005.
25. *Nitrosative Stress Injury from Smokeless Tobacco Compounds*. University of Toronto Faculty of Dentistry, Toronto, ON; 2005.
26. *The Future of Oral and Maxillofacial Radiology in Education and Clinical Practice*. University of Washington School of Dentistry, Seattle, WA; 2005.
27. *Principles of Radiographic Interpretation*. Diagnostic Study Club, Guelph, ON; 2006.
28. *Digital Radiology Technology and Applications: Intra-oral sensors to cone beam CT*. Hamilton Study Club, Hamilton, ON; 2006.
29. *Interpretation and Diagnosis of Periradicular Radiolucencies and Radiopacities*. Jasper Dental Congress, Alberta Dental Association and College, Jasper, AB; 2006.
30. *The Role of Advanced Imaging in the Investigation of Oral and Maxillofacial Lesions*. University of Southern California School of Dentistry, Los Angeles, CA; 2006.
31. *Risk vs. Benefit: The Ins and Outs of Radiologic Decision Making*. Toronto Dental Public Health, Toronto, ON; 2007.
32. *Diving into Digital: Are You Ready to Take the Plunge?* University of Toronto Continuing Dental Education, Toronto, ON; 2007.
33. *Principles of Radiographic Interpretation: the Role of Advanced Imaging*. Halton-Peel Dental Association, Mississauga, ON; 2007.
34. *Radiographic Considerations in Implantology*. Nobel Biocare World Conference 2007, Las Vegas, NV; 2007.
35. *Digital Panoramic and Cephalometric Radiography*. Canadian Association of Orthodontists Annual General Session, St. John's, NL; 2007.
36. *Clinical Radiology for the Dental Team*. University of Victoria Continuing Dental Education, Victoria, BC; 2007.
37. *Radiographic Considerations in Implantology*. University of Toronto CDE, Toronto, ON; 2007.
38. *Radiographic Considerations in Implantology*. Straumann and Edmonton Diagnostic Imaging, Edmonton, AB; 2007.
39. *Current Scope of Digital Radiography Systems in Dentistry*. Association of Canadian Faculties of Dentistry/Canadian Dental Association Teaching Conference, Toronto, ON; 2008.
40. *Common Things Occur Commonly*. Ottawa Dental Study Club, Ottawa, ON; 2008.
41. *Principles of Radiographic Interpretation*. Ontario Dental Association, Toronto, ON; 2008

42. *Risk vs. Benefit: the Ins and Outs of Radiologic Decision-making*. Ontario Dental Association, Toronto, ON; 2008.
43. *Cone Beam CT: the Latest Controversy in Dentistry*. Chinese-Canadian Dental Association, Toronto, ON; 2008.
44. *Radiographic Considerations in Implantology*. Toronto Implant Study Club, Toronto, ON; 2008.
45. *Cone beam CT: Applications in Dentistry*. Ontario Society of Periodontists, Toronto, ON; 2008.
46. *Cone beam CT: Applications in Dentistry*. Central District Dental Society, Toronto, ON; 2008.
47. *Clinical Radiology Conference: Interesting cases from the Great White North*. Department of Oral Pathology, Radiology and Medicine, College of Dentistry, the University of Iowa, Iowa City, IA; 2008.
48. *Class of 1989 Continuing Education Program: Multidisciplinary Treatment Planning Conference*. Pacific Dental Conference, Vancouver, BC; 2009.
49. *Radiographic Considerations in Implantology*. Victoria and District Dental Society, Victoria, BC; 2009.